BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY,
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

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Agr. Gaz. N.S.W. (Sydney)
Anderson, R. H.
Farm forestry. V.The native and introduced trees of New South Wales (cont.) Agr. Gaz. N.S.W. 39: 833-842. illus. N.1928. no.11.

Manuel, H. L.
Experiments in the control of black spot of the vine. Agr. Gaz. N.S.W. 39: 849-853. N. 1928. no.11.

Agr. Journ. Fiji.
Kermack, J.
Action taken in regard to control of noxious weeds. Agr. Journ. Fiji. 1(2): 9-10. 1928.

Marechal, H.
Observations and preliminary experiments on the coconut palm with a view to developing improved seed-nuts for Fiji. Agr. Journ. Fiji. 1(2): 16-45. 1928.

Agr. Nouvelle. (Paris)
Faideau, F.
La récolte sans culture un champignon d'hiver: l'hygrophore blanc de neige. Agr. Nouvelle. 38: 760. illus. D.22,1928. no.1529.
Hygrophorus niveus.

Amer. Flor.(Chicago)
John Merle Coulter. Amer. Flor. 71(2117): 13. D.29, 1928.
Notice of death.

Amer. For. & For. Life. (Wash.,D.C.)

Borah, A.
Trees of the Bible. II.The oaks of Palestine. Amer. For. & For. Life. 35: 13-15, 60. illus. Ja. 1929. no.1.

Mather, S.T.
The new Bryce Canyon national park. Amer. For. & For.Life. 35: 37-38. illus. Ja. 1929. no.1.

Ann. Bot.(London)

Allen, W. W.
Branched cones of Equisetum maximum. Ann. Bot. 42: 1025-1026. illus. O.1928. no.168.

Barnes, B.
Variations in Eurotium herbariorum (Wigg.) Link. induced by the action of high temperature. Ann. Bot. 42: 783-812. illus., pl.xv. (col.) O. 1928. no.168.

Butler, E.J.
Morphology of the chytridaceae fungus, Catenaria anguillulae, in liver-fluke eggs. Ann. Bot. 42: 813-821. illus. O.1928. no.168.

Dastur, R.H. & Buhariwalla, N.A.
Chlorophyll from tropical plants and its quantitative determination by means of the spectrograph. Ann. Bot. 42: 949-964. pl. O.1928. no.168.

Dix, E.
Seeds associated with Linopteris munsteri, Eichwald. Ann. Bot. 42: 1019-1023. illus. O. 1928. no.168.

Haines, F.M.
The significance of the 'drought resistivity' and 'effect', with special reference to the values obtained for certain heath plants on Hindhead Common. Ann. Bot. 42: 823-854. O.1928. no.168.

Ann. Bot. (cont.)

Haynes, D. & Archbold, H.K.
Chemical studies in the physiology of apples X. A quantitative study of chemical changes in stored apples. Ann. Bot. 42: 965-1017. O. 1928. no.168.

Jones, G.H.
An Alternaria disease of the cotton plant. Ann. Bot. 42: 935-947. illus., pl.xxii. O. 1928. no.168
Alternaria macrospora.

Mohendra, K.R.
A study of the changes undergone by certain fungi in artificial culture. Ann. Bot. 42:863-889. pl. xvii-xix. O.1928. no.168.
Neocosmospora vasinfecta, Phoma A, Phoma B, Alternaria tenuis.

Thrupp, T.C.
A plugging substance in the vessels of hops. Ann. Bot. 42: 1027-1028. illus. O.1928. no.168.

Ward, F.K.
Burmese species of Meconopsis. Ann. Bot. 42: 855-862. pl.xvi. O.1928. no.168.

Wodehouse, R.P.
The phylogenetic value of pollen-grain characters. Ann. Bot. 42: 891-934. illus., pl.xx-xxi. O. 1928. no.168.

Ann. Missouri Bot. Gard. (St. Louis)

Larsen, E.L.
A new variety of Vernonia lindheimeri. Ann. Missouri Bot. Gard. 15: 333-334. pl.45. N. 1928. no.4.
Vernonia lindheimeri var. leucophylla.

Woodson, R.E.
Dysosma: a new genus of Berberidaceae. Ann. Missouri Bot. Gard. 15: 335-340. pl.46. N.1928. no.4.

Ann. Missouri Bot. Gard. (cont.)

Woodson, R.E.

Studies in the Apocynaceae. Ann. Missouri Bot. Gard. 15: 341-378, 379-434. pl. 47-53. N. 1928. no.4.

II. A revision of the genus Stemmadenia. III. A monograph of the genus Amsonia.

No I not yet published.

Arch. de Bot. Caen. Bull. Mens.

Perrier de la Bathie, H.

Les Ficus de Madagascar. Arch.Bot. Caen Bull. Mens. 2: 137-180. Ag./S.1928. no.8/9.

Atti R.Accad. Lincei VI, Rend. Cl.Sci. Fis. Mat. e Nat.(Rome)

Barbieri, N.A.

La cultura fisiologica. Atti R. Accad. Lincei VI. Rend.Cl.Sci. Fis. Mat. e Nat. 7: 1043-1049. illus. Je. 1928(Rec'd Ja.1929) no.12.

Cecco, M.de.

Applicazione dei raggi ultravioletti alla ricerca di sostanze fluorescenti nelle piante in rapporto ad alcuni fenomeni di patologia vegetale. Atti R. Accad.Lincei VI. Rend. Cl.Sci. Fis. Mat. e Nat. 8: 101-104. 1928(Rec'd Ja.1929) no.1/2.

Petri, L.

Sopra le radiazioni mitogenetiche del Gurwitsch. Atti R. Accad. Lincei VI. Rend. Cl. Sci. Fis. Mat. e Nat. 7: 891-896. Je.1928(Rec'd Ja.1929) no.11.

Bol. Agr. Bahia.

Martins Ramos, C.S.

O combate ao mosaico. Bol. Agr. Bahia. 1926(4/9): 29-31. 1928.

Menezes Sobrinho, A.

O mosaico da canna. Bol. Agr. Bahia. 1926 (4/9): 25-28. 1928.

Rangel, E.

O combate ao mosaico. Bol. Agr. Bahia. 1926(4/9): 20-24. 1928.

Bol. R. Soc. Españ. Hist. Nat. (Madrid)

Allorge, P.

Note préliminaire sur la flore des algues d'eau douce de la Galice. Bol. R.Soc. Españ. Hist. Nat. 28: 469-476. N.1928. no.9.

Euchlorophycées, conjuguées et hétérocontes.

Bol. R. Soc. Espan. Hist. Nat.(cont.)
Miranda, F.
Sobre una nueva especie de Strepsithalia Sauv. (Streps. Liebmanniae). Bol. R. Soc. Espan. Hist. Nat. 28: 457-462. illus. N.1928. no.9.

Bol. Soc. Broteriana (Coimbra)
Barros, J.J.de.
Sociologia botánica. Bol. Soc. Broteriana. II, 5: 3-103. 1928.

Lopes, J.M.M.
A flora do concelho de Vimioso. Bol. Soc. Broteriana. II, 5: 234-255. 1928.

Machado Guimarães, A.L.
Sinopse das briófitas de Portugal II. Musgos. Bol. Soc. Broteriana. II, 5: 104-226. illus. 1928.

Pereira Coutinho, A.X.
Notas a algunas plantas Transmontanas. Bol. Soc. Broteriana. II, 5: 227-233. 1928.

Boll. Uff. R. Staz. Sper. Ind. Pelli Napoli-Torino.
Schiaparelli, G. & Bussino, G.
Di alcuni fenomeni della concia vegetale. Boll. Uff. R. Staz. Sper. Ind. Pelli Torino-Napoli. 6: 259-267. N.1928. no.11.

Bot. Arch. (Königsberg)
Bitzek, E.
Der centrospermenast der dikotylen. Bot. Arch. 22: 257-384. O.1928. no.3/4.
English abstract: p.382-384.

Dembowski, & Ziegenspeck, H.
Ueber das verhalten der nukleolen bei der kernteilung in der äussersten meristemzone von wurzeln von Helianthus. Bot. Arch. 22: 571-574. O. 1928. no.3/4.

Draheim, W. & Ziegenspeck, H.
Beitrage zur assimilationstheorie. Bot.Arch. 22: 385-413. O.1928. no.3/4.

Köstlin, O.
Ueber den einfluss von standraum und aussaatmenge auf den ertrag (bei getreide). Bot. Arch. 22: 414-456. O.1928. no.3/4.
English abstract: p.455-456.

Bot. Arch.(cont.)

Rohde, H.
Ueber die kontraktilen wurzeln einiger oxalidaceen. Bot. Arch. 22: 463-532. 2 pl. O.1928. no.3/4.
English abstract: p.529-530.

Steinecke, F.
Glazialrelikte und glazialformen unter den algen. Bot. Arch. 22: 533-570. O.1928. no.3/4.
English abstract: p.570.

Ziegenspeck, H.
Alfred Fuchs. Bot. Arch. 22: 457-462. O. 1928. no.3/4.

Bot. Not. (Lund, Sweden)

Arwidsson, Th.
Nya svenska värdväxter för Cuscuta europaea. Bot. Not. 1928: 389-395. no.5/6.

Erman, C.
Förberedande undersökningar över kolsyreassimilationen hos Laminaria. Bot. Not. 1928: 331-342. no.5/6.
German résumé: p.341-342.

Gaunitz, S.
Floristiska uppgifter från Smaland. Bot. Not. 1928: 327-330. no.5/6.

Gertz, O.
In memoriam. Gunnar Andersson. En minnesteckning. Bot. Not. 1928: 399-404. port. no.5/6.

Gertz, O.
Ionopsidium acaule (Desf.) Rchb. Bot. Not. 1928: 411. no.5/6.

Gertz, O.
Några anteckningar rörande växter ur Olof Celsii och Johan Leches herbarier. Bot. Not. 1928: 348-356. no.5/6.

Gertz, O.
Om anthocyanblomman hos Daucus carota L. Bot. Not. 1928: 297-319. illus. no.5/6.

Bot. Not. (cont.)

Gertz, O.
Om Cuscuta europaeas värdväxter. Bot. Not. 1928: 320-322. no.5/6.

Gertz, O.
Smicronyx jungermanniae Reich. a Cuscuta europaea L. Ett för Sverige nytt zoocecidium. Bot. Not. 1928: 412. illus. no.5/6.

Hase, O.
Zur verbreitung der moose in den Sphagnum-mooren des gouvernements Wologda der U.S.S.R. Bot. Not. 1928: 323-326. no.5/6.

Hasslow, O.J.
En givande Epilobium-lokal. Bot. Not. 1928: 407-408. no.5/6.

Kurck, C.
Fynd av Cephalanthera ensifolia Rich. fran sydöstra Skåne. Bot. Not. 1928: 409. no.5/6.

Lindquist, B.
Equisetum maximum Lam. på skånska fastlandet. Bot. Not. 1928: 343-347. no.5/6.

Lundin, P.E.
Om Cuscuta halophyta Fr. och dess förekomst i Småland. Bot. Not. 1928: 379-381. illus. no.5/6.

Stenar, H.
Zur embryologie der Veratrum- und Anthericum-gruppen. Bot. Not. 1928: 357-378. illus. no.5/6.

Wiger, J.
Nya reliktlokaler för hassel i Gästrikland. Bot. Not. 1928: 396-398. no.5/6.

Wiger, J.
Phyllitis Scolopendrium i en brunn i Halland. Bot. Not. 1928: 410. no.5/6.

Bryologist. (Pittsburg)

Armitage, E.
Some Spanish bryophytes. Bryologist. 31: 123-126. N.1928. no.6.

Moxley, E.A.
Further notes on mosses of the Bruce Peninsula. Bryologist. 31: 126-127. N.1928. no.6.

Williams, R.S.
Some apparently undescribed mosses from Peru, also new combinations. Bryologist. 31: 109-122. illus. N.1928. no.6.

Bull. Indian Central Cotton Comm.

Gulati, A.N.
A note on the early history of cotton. Bull. Indian Central Cotton Comm. 17. 10 p. pl. O. 1928.

Bull. Misc. Inform. Kew. (London)

Hutchinson, J. & Dalziel, J.M.
Tropical African plants VI. Bull. Misc. Inform. Kew. 1928: 397-404. no.10.

Sprague, T.A.
Discovery of the genus Cooperia in Peru. Bull. Misc. Inform. Kew. 1928: 385-388. illus. no. 10.

Sprague, T.A.
Oreocnide versus Villebrunea. Bull. Misc. Inform. Kew. 1928: 395-397. no.10.
Author considers that the name Oreocnide should be adopted.

Summerhayes, V.S.
New plants from the Seychelles. Bull. Misc. Inform. Kew. 1928: 388-395. no.10.

Calif. Cult. (Los Angeles)

Zink, C.H.
Turkey mullein weed poisonous to stock. Calif. Cult. 71: 644-645. illus. D.22, 1928. no.25.
Eremocarpus setigerus.

Citrus Indust. (Tampa, Fla.)

Rhoads, A.S.
Mottle-leaf, marl chlorosis, nitrogen starvation, three forms of chlorosis on citrus trees. Citrus Industr. 9(12): 3-5, 28-29. illus. D.1928.

Citrus Indust. (cont.)

Stevens, H.E.

Suggestions for reducing losses from stem-end rot. Citrus Industr. 9(12): 10, 27. D.1928.

Compt. Rend. Acad. Agr. France. (Paris)

Crépin, Ch.

Lignées physiologiques, "races culturales" et "acclimatement". Compt. Rend. Acad. Agr. France. 14: 1139-1148. N.28, 1928. no.35.

Of wheat.

Compt. Rend. Acad. Sci. Paris.

Bertrand, G. & Benzon, B.

La teneur en zinc des aliments végétaux. Compt. Rend. Acad. Sci. Paris. 187: 1098-1101. D.10, 1928. no.24.

Chevalier, A.

Sur l'origine du bois d'imbuia du Brésil et sur la biologie de l'arbre producteur, le Phoebe porosa Mez de la famille des lauracées. Compt. Rend. Acad. Sci. Paris. 187: 1153-1155. D.10,1928. no.24.

Phoebe porosa (Oreodaphne porosa).

Dangeard, P.

Action favorisante de l'iodure de potassium sur l'iodovolatilisation. Compt. Rend. Acad. Sci. Paris. 187: 1156-1158. D.10, 1928. no.24.

Guérin, P.

L'acide cyanhydrique chez les Lotus. Compt. Rend. Acad. Sci. Paris. 187: 1158-1160. D.10, 1928. no.24.

Hamel, G.

La répartition géographique des fucacées et des laminaires sur les côtes occidentales de la péninsule ibérique. Compt. Rend. Acad. Sci. Paris. 187: 1162-1163. D.10, 1928. no.24.

Compt. Rend. Soc. Biol. Paris.

Eichhorn, A.

Sur la mitose somatique et le satellite du Ginkgo biloba. Compt. Rend. Soc. Biol. Paris. 99: 1787-1788. D.14,1928. no.36.

Country Life. (London)

Taylor, G.C.
Some rose species. Country Life 64(Suppl.): cxlvi, cxlviii, cl, clii. illus. D.8, 1928. no.664.

Dansk Bot. Ark. (København)

Børgesen, F.
On Rosenvingea stellata, a new Indian alga, and on an interesting littoral algal vegetation in which this species is a characteristic constitutent. Dansk Bot. Ark. 5(6). 11 p. illus., pl.1. N. 1928.

Buchwald, N.F.
De danske arter af slaegten Merulius (Hall.) Fr. med en saerlig omtale af gruppen Coniophori Fr.
5 Dansk Bot. Ark. 5(21). 47 p. illus. N.1928.
English summary: p.45-46.

Christensen, C.
On the systematic position of Polypodium vulgare. Dansk Bot. Ark. 5(22). 10 p. illus. N.1928.

Ferdinandsen, C. & Rostrup, O.
Om den rette systematiske stilling af Dissomycopsis rhytismoides Jul. Muller. Dansk Bot. Ark. 5(20). 10 p. illus., pl. 1. N.1928.
German summary: p.9-10.
Euryachora rhytismoides (J.Mull.) comb.nov.

Ferdinandsen, C. & Winge, O.
Parasitisk optraeden af Epochnium monilioides Lk. paa nellikerod. Dansk Bot. Ark. 5(17). 5 p. illus. N.1928.
English summary: p.5.
On Geum urbanum and G. intermedium.

Gallø, O.
Individforskning i planteriget. Dansk Bot. Ark. 5(12). 16 p. N.1928.

Hagerup, O.
En hygrofil baelgplante (Aeschynomene aspera L.) med bakterieknolde paa staengelen. Dansk Bot. Ark. 5(14). 9 p. illus. N.1928.

Iversen, J.
Ueber Isoëtes in China und Japan. Dansk Bot. Ark. 5(23). 4 p. illus. N.1928.

Dansk Bot. Ark. (cont.)

Jørgensen, C.A.
The microsporangia of Pilularia globulifera L. Dansk Bot. Ark. 5(24). 9 p. illus. N.1928.

Juel, H. O.
What is Neuroecium degueliae Kunze? Dansk Bot. Ark. 5(15). 5 p. illus. N.1928.
Not a fungus, to be discarded.

Kylin, H.
Ueber Wrangelia penicillata und ihre systematische stellung. Dansk Bot. Ark. 5(7). 8 p. illus. N.1928.

Lind, J.
Nogle danske mikromyceter. Dansk Bot. Ark. 5(18). 7 p. N.1928.

Lynge, B.
The Peltigeraceae in the Copenhagen Arctic herbarium. Dansk Bot. Ark. 5(11). 13 p. N. 1928.

Ostenfeld, C.H.
Note on Halosphaera Schmitz. Dansk Bot. Ark. 5(8). 8 p. col.pl. N.1928.

Petersen, E.J.
Undersøgelser over kaerneforholdet og sporedannelsen hos Bacillus mycoides. Dansk Bot. Ark. 5(13). 12 p. N.1928.
English summary: p.11-12.

Petersen, J.B.
Algefloraen i nogle jordprøver fra Island. Dansk Bot. Ark. 5(9). 23 p. N.1928.
English summary (The alga-flora of some soil-samples from Iceland): p.21-23.

Petersen, H.E.
Nogle iagttagelser over cellekernerne hos Ceramium (Roth) Lyngbye. Dansk Bot. Ark. 5(10). 5 p. illus. N.1928.

Raunkiaer, C.
Myxomycetes from the West Indian Islands St. Croix, St.Thomas and St.Jan. Dansk Bot. Ark. 5(16). 9 p. N.1928.

Facts about Sugar (N.Y.)

Keys, S.W.

Creosote treatment of timber. A method of protecting against rot and insect attacks which prolongs life in industrial uses. Facts about Sugar. 23: 1236-1237. D.29, 1928. no.52.

Priode, C.N.

Pokkahbong and twisted top diseases of cane. Their causes, symptoms and effects on different varieties of sugar canes as observed in Cuba. Facts about Sugar. 23: 1244. D.29, 1928. no.52.

Pokkahbong due probably to Fusarium, the same as was described from Java; twisted top caused by mechanical friction of leaves.

Flora. (Jena)

Gaumann, E.

Die chemische zusammensetzung des fichten- und tannenholzes in den verschiedenen jahreszeiten. Flora. 123(n.s.23): 344-385. N.1928. no.4.

Schwartz, W.

Entwicklungsphysiologische untersuchungen uber die gattungen Aspergillus und Penicillium. I- Flora. 123(n.s.23): 386-440. illus. N.1928. no.4.

I. Aspergillus-arten.

Troll, W.

Ueber antherenbau, pollen und pollination von Galanthus L. Flora. 123(n.s.23): 321-343. illus. N.1928. no.4.

Floralia (Assen, Netherlands)

Schenk, P.J.

Bestrijding van plantenziekten in de fruitteelt. Floralia. 49: 803-805. illus. D.14, 1928. no.50.

Florida Grow. (Tampa)

Diseases and insects of royal palms. Methods of control studied by specialists. Florida Grow. 37(1): 48-49. Ja.1929.

New method to minimize citrus decay. How to treat fruit with sodium bicarbonate. Florida Grow. 37(1): 36-37. Ja.1929.

Weber, G.F.

Soil sterilization stops damping-off. Two methods of control are suggested. Florida Grow. 37(1): 45. Ja.1929.

Flor. Exch. (N.Y.)

John Merle Coulter. Flor. Exch. 69: 1743. D.29,1928. no.18.

Notice of death.

Fortschr. Landw. (Vienna)

Buchinger, A.

Selektion nach der saugkraft. Fortschr. Landw. 3: 1065-1067. D.1, 1928. no.23.

Hauer, E.

Ueberprüfung der keimpflanzenmethode nach Neubauer. Fortschr. Landw. 3: 1086-1089. D.1, 1928. no.3.

Zederbauer, E.

Zur prioritätsfrage der saugkraftbestimmungen an landwirtschaftlichen kulturpflanzen. Fortschr. Landw. 3: 1089. D.1, 1928. no.23.

Fruit Grow. Fruiterer, Flor. & Mark. Gard.

Denny, F.E.

Crops at the right time always. Eliminating "rest period" in plants. Fruit-Grow., Fruiterer, Flor. & Market Gard. 66: 913-914. D.6, 1928. no.1721.

Gard. Chron. (London)

Anderson, A.W.

Celmisias (concl.) Gard. Chron. III, 84: 449. illus. D.8,1928. no.2189.

Gard. Chron. (cont.)

Brown, N.E.
Mesembryanthemum (cont.)Dinteranthus, Schwant. Gard. Chron. III, 84: 472. D.15,1928. no.2190.

Coutts, J.
Primula wilsoni. Gard. Chron. III, 84: 469. illus. D.15,1928. no.2190.

Darlington, C.D.
The relation of chromosome studies to horticulture. Gard. Chron. III, 84: 450-451. D.8, 1928. no.2189.

Darnell, A.W.
The genus Primula (cont.) Gard. Chron. III, 84: 455, 472-473. D.8,15, 1928. no.2189-90.

Friend, H.
Plant history in nomenclature (cont.) Poppies and opiates. Gard. Chron. III, 84:470. D.15, 1928. no.2190.

Hall, J.W.
American gooseberry mildew. Gard. Chron. III, 84: 474. D.15, 1928. no.2190.

Steam sterilisation of potting soil and the effect of artificial sunlight rays on seedlings. Gard. Chron. III, 84: 472-474. D.15,1928. no.2190.
On practical demonstration by means of steam given by Mr. Allan Falconer, gardener at Cheadle Royal Mental Hospital, Cheadle, Cheshire.

Gartenbauwissensch. (Berlin)

Bach, F.
Ueber die künstliche kreuzung einiger wichtiger äpfelsorten. Gartenbauwissensch. 1: 358-374. illus. N.1928. no.4.

Gassner, G. & Rabien, H.
Weitere untersuchungen zur frage des frühtreibens durch garförmige blausäure. Gartenbauwissensch. 1: 385-402. illus. N.1928. no.4.

Gleisberg, W.
Beziehungen der keimkurve zur jugendentwicklung bei salat. Gartenbauwissensch. 1: 332-357. illus. N.1928. no.4.

Gartenbauwissensch. (cont.)

Kotowski, F.von.
Das bluhen und fruchten des kopfkohles. Gartenbauwissensch. 1: 375-384. N.1928. no.4.

Laubert, R.
Beobachtungen und bemerkungen über die Gloeosporium- krankheit der eichen. Gartenbauwissensch. 1: 463-466. illus. N.1928. no.4.

Merkenschlager, F.
Die Peronosporakrankheit des hopfens. Gartenbauwissensch. 1: 467-470. col.pl. N.1928. no.4.

Muth, F.
Ueber topophysis an der tomate (Solanum lycopersicum L.) und der wohlriechenden wicke (Lathyrus odoratus L.) Gartenbauwissensch. 1: 328-331. N.1928. no.4.

Richter, O.
Hans Molisch und die dankesschuld des gartenbaues an ihn. Gartenbauwissensch. 1: 297-327. illus. N.1928. no.4.
Verzeichnis der von Prof. Dr. Hans Molisch verfassten wissenschaftlichen arbeiten: p.320-326.

Riede, W.
Elektrizitat und pflanzenwachstum. Die beduntung der elektrokultur fur den gartenbau. Gartenbauwissensch. 1: 403-462. N.1928. no.4.

Gartenzeit. Oesterr. Gartenb.-Ges. Wien.

Köck, G.
Ueber das ulmensterben und die bekampfung von baumkrankheiten durch baumimpfungen. Gartenzeit. Oesterr. Gartenb.-Ges. Wien. 1928: 107-108. Jl. 1928. no.7.

Machovec, F.
Abutilon vexillarium Morr. Gartenzeit. Oesterr. Gartenb.-Ges. Wien. 1928: 105-106. illus. Jl. 1928. no.7.

Vollbracht, A.
Fockea capensis Endl. Gartenzeit. Oesterr. Gartenb.-Ges. Wien. 1928: 101-103. illus. Jl. 1928. no.7.

Glad. Rev. Amer. Gladiolus Soc. (Rochester, N.Y.)
Drayton, F.L.
Recommendations for the control of gladiolus diseases. Glad. Rev. Amer. Glad. Soc. 6: 11-12. Ja.1929. no.1.

Hilgardia (Berkeley,Cal.)
Kelley, W.P. & Brown, S.M.
Boron in the soils and irrigation waters of southern California and its relation to citrus and walnut culture. Hilgardia. 3: 445-458. N.1928. no.16.

House & Gard. (Greenwich,Conn.)
Stout, A.B.
New day lilies for the garden. House & Gard. 55: 88-89, 124, 126, 134. illus. Ja.1929. no.1.

Wilder, L.B.
Gems among the little brooms. House & Gard. 55: 94-95, 132, 134. illus. Ja.1929. no.1.

Intern. Sugar Journ. (London)
Barber, C.A.
Dissection of cane roots in Hawaii. Intern. Sugar Journ. 30: 634-640. D.1928. no.360

Irish Gard. & Hort. Rev.
Bracken, G.
Notes on the derivation and culture of Pelargonium. Irish Gard. & Hort. Rev. 1: 145. D.1928. no.12.

Journ. Amer. Soc. Agron. (Geneva, N.Y.)
Adrian J. Pieters. Journ. Amer. Soc. Agron. 20: 1331-1332. port. D.1928. no.12.

Alfred T. Wiancko. Journ. Amer. Soc. Agron. 20: 1334-1335. port. D.1928. no.12.

Atkinson, A. & Love, H.H.
A biometrical analysis of the effect of environment on a pure line of oats. Journ. Amer. Soc. Agron. 20: 1251-1291. D.1928. no.12.

Journ. Amer. Soc. Agron. (cont.)

Clark, J.A. & Smith, R.W.
Inheritance in Nodak and Kahla durum wheat crosses for rust resistance, yield, and quality at Dickinson, North Dakota. Journ. Amer. Soc. Agron. 20: 1297-1304. D.1928. no.12.

Hayes, H.K. & McClelland, C.K.
Lodging in selfed lines of maize and in F1 crosses. Journ. Amer. Soc. Agron. 20: 1314-1317. D.1928. no.12.

Kennedy, P.B.
Goat grass or wild wheat (Aegilops triuncialis). Journ. Amer.Soc.Agron. 20:1292-1296. illus. D. 1928. no.12.

Latshaw, W.L. & Zahnley, J.W.
Magnesium and calcium chlorate as substitutes for sodium chlorate for killing field bindweed. Journ. Amer. Soc. Agron. 20: 1329. D.1928. no.12.

Oswald Schreiner. Journ. Amer. Soc. Agron. 20: 1333-1334. port. D.1928. no.12.

Journ. Bot. (London)

Dandy, J.E.
Two new Michelias from Kwangtung. Journ. Bot. 66:359-361. D.1928. no.792.
Michelia faveolata, M.macclurei, sp.nov.

Dixon, H.N.
Miscellanea bryologica XI. Journ. Bot. 66: 347-354. D.1928. no.792.
Hypopterygium atrotheca, sp.nov.

Flintoff, R.J.
Crepis nicaeensis Balb. (em.) at Burton Agnes in the East Riding of Yorkshire. Journ. Bot. 66: 362-363. D.1928. no.792.

Grove, W.B.
Another instructive pyrenomycete (Cladosphaeria.) Journ. Bot. 66: 354-356. D.1928. no.792.

Journ. Bot. (cont.)

Hall, L.B.
Juncus maritimus Lamb., a new variety. Journ. Bot. 66: 361. D.1928. no.792.
Juncus maritimus var. congestus.

Migeod, F.W.H.
Plant-collecting in British Cameroons. Journ. Bot. 66: 356-359. D.1928. no.792.

Rendle, A.B.
Mibora minima Desvaux. Journ. Bot. 66: 363-364. D.1928. no.792.

Roper, I.M.
Erodium ballii Jord. in Ireland. Journ. Bot. 66:363. D.1928. no.792.

Salmon, C.E.
Alchemilla pubescens Lam. as a British plant. Journ. Bot. 66: 345-347. pl.588. D.1928. no.792.

Wolley-Dod, A.H.
Rosa hibernica Templ. Journ. Bot. 66: 361-362. D.1928. no.792.

Journ. Genetics (London)

Chittenden, R.J.
Ever-sporting races of Myosotis. Journ. Genetics. 20: 123-129. illus. Jl.1928 (Rec'd Ja. 1929) no.1.

Fisher, R.A. & Balmukand, B.
The estimation of linkage from the offspring of selfed heterozygotes. Journ. Genetics. 20: 79-92. Jl.1928 (Rec'd Ja.1929) no.1.

Hall, A.D.
Bateson's experiments on bolting in sugar beet and mangolds. Journ. Genetics. 20: 219-231. N.1928. no.2.

Huskins, C.L.
On the cytology of speltoid wheats in relation to their origin and genetic behavior. Journ. Genetics. 20: 103-122. illus. Jl.1928 (Rec'd Ja.1929) no.1.

Journ. Genetics. (London)

Jones, W.N.
Species hybrids in Digitalis. Journ.Genetics. 20: 217-218. N.1928. no.2.

Meister, N. & Tjumjakoff, N.A.
Rye-wheat hybrids from reciprocal crosses. Journ. Genetics. 20: 233-245. pl. iv. N. 1928. no.2.

Saunders, E.R.
Further studies on inheritance in Matthiola incana. II. Plastid colour and doubling. Journ. Genetics. 20: 53-77. Jl.1928 (Rec'd Ja.1929) no.1.

Watkins, A.E.
The genetics of wheat species crosses I- Journ. Genetics. 20: 1-27. illus., pl. i. Jl. 1928 (Rec'd Ja.1929) no.1.

Journ. Hered. (Wash.,D.C.)

Hayes, H.K. & Brewbaker, H.E.
Heritable characters in maize XXXIII Sorghum tassel. Journ. Hered. 19: 561-567. illus. D.1928. no.12.

Popenoe, W.
The mangosteen in America. Journ. Hered. 19: 537-545. illus. D.1928. no.12.

Journ. Pharm. Soc. Japan.

Asahina, Y. & Hayashi, H.
Ueber die bestandteile von Alectoria sulcata Nyl. Journ. Pharm. Soc. Japan. 48: 1094-1102. N.1928. no.11.
Text in Japanese; German summary: p.154-155.

Nakarai, S. & Sano, T.
Beiträge zur toxikologische untersuchung über giftige bestandteile von Ryania acuminata. Journ. Pharm. Soc. Japan. 48: 1102-1110. illus. N.1928. no.11
Text in Japanese; German summary: p.157-161.

Journ. Soc. Agr. & For. Sapporo, Japan.

Hiratsuka, N.
Notes on the Melampsoraceae collected in Manchuria and Siberia in "Jaczewski, Komarov & Tranzschel, Fungi rossiae exsiccati (1895-99)" Journ. Soc. Agr. & For. Sapporo, Japan. 20: 689-698. N.1928. no.90.
Text in Japanese, with Latin diagnosis of the new species quoted.

Journ. Soc. Agr. & For. Sapporo, Japan. (cont.)

Ito, H.

Biochemical differences of rice seeds by different subvarieties I. Journ. Soc. Agr. & For. Sapporo, Japan. 20: 706-742. N. 1928. no.90.

Text in Japanese.

Journ. Washington Acad. Sci.

Bartram, E.B.

Additional Costa Rican mosses. Journ. Washington Acad. Sci. 19: 11-27. illus. Ja.4,1928. no.1.

Landw. Jahrb. (Berlin)

Chiritescu-Arva, M.

Der einfluss von trockenperioden auf die sommerweizensorte "Ulca" in verschiedenen wachstumstadien. Landw. Jahrb. 68: 407-422. 1928. no.3.

Medlemsskr. Seksk. Havedyrkn. Venner Norway (Oslo)

Olsen, A.

Lonicera pileata. Medlemsskr. Selsk. Havredyrkn. Venner Norway. 6: 105-107. illus., col.pl. 1928. no.4.

Mycologia.

Charles, V.K.

Mrs. Flora Wambaugh Patterson. Mycologia. 21: 1-4. port. Ja./F.1929. no.1.

Publications of Flora W. Patterson: p.4.

Jenkins, A.E. & Horsfall, J.G.

A comparison of two species of Plectodiscella. Mycologia. 21: 44-51. illus. Ja./F.1929. no.1.

Plectodiscella veneta, P.piri.

Stewart, F.C.

Is Psalliota brunnescens under cultivation? Mycologia. 21: 41-43. pl.6-7. Ja./F.1929. no.1.

Rare in the wild state and not generally under cultivation by mushroom growers. Grown at N.Y. Agr. Exp. Stat.

Mycologia. (cont.)

Vainio, E.A.
New species of lichens from Porto Rico II. Mycologia. 21: 33-40. Ja./F.1929. no.1.

Whetzel, H.H.
North American species of Sclerotinia II. Two species on Carex, S. duriaeana (Tul.) Rehm, and S.longisclerotialis n.sp. Mycologia. 21: 5-32. illus., 5 pl. Ja./F.1929. no.1.

Nat. Belge.(Bruxelles)

Beeli, M.
Nos polypores (cont.) Nat. Belg. 9: 185-188. D. 1928. no.12.

Nature (London)

Belling, J.
The chromosomeres of Lilium. Nature. 122: 882. D.8, 1928. no.3084.

Cockerell, T.D.A.
What is a hybrid? Nature. 122: 845. D.1, 1928.no.3083.
Suggests that it would be more convenient to restrict the name hybrid to crosses between species.

Priestley, J.H.
A "growth substance" and phototropic response in plants. Nature. 122: 928-930. D.15, 1928. no.3085.

Woodward, B.B.
Manuscript herbals. Nature. 122: 844. D.1, 1928. no.3083.

New Zeal. Jour. Agr. (Wellington)

Hadfield, J.W.
Potato-culture. Descriptions of some of the more important varieties (concl.) New Zeal. Journ. Agr. 37: 309-316. illus. No.1928. no.5.

Ochrana Rostlin (Prague)

Blattný, C.
Vyznačná ochuravění zdřevnatělých castí a mladých výhonu chmele. Ochrana Rostlin. 8: 117-128. N.1928. no.5.
On diseases of hop.

Ochrana Rostlin (cont.)

Magerstein, Č.
Škodliví činitelé na košíkářské vrbě V R 1927. Ochrana Rostlin. 8: 128-130. N.1928. no.5.
On diseases of willow.

Tomsa, K.
Fusariosní infekce semene cibule kuchyňské a následná tracheomykosa (chorobné vadnutí). (cont.) Ochrana Rostlin. 8: 105-112. illus. N.1928. no.5.
Résumé francais: p.111-112 (Infection par le Fusarium de la graine de l'oignon et le trachéomycose qui s'ensuit (flétrissement morbide).

Plant Physiology.

Beck, W.A.
Osmotic pressure, osmotic value, and suction tension. Plant Physiol. 3: 413-440. O.1928. no.4.

Bouillenne, R.
Anatomical material for the study of growth differentiation in higher plants. Plant Physiol. 3:459-471. illus. O.1928. no.4.
Observations on the palm, Iriartea exorrhiza.

Clements, H.F.
Plant nutrition studies in relation to the triangular system of water cultures. Plant Physiol. 3:441-458. O. 1928. no.4.

Haasis, F.W.
Germinative energy of lots of coniferous-tree seed, as related to incubation temperature and to duration of incubation. Plant Physiol. 3: 365-412. O.1928. no.4.

Hoagland, D.R., Davis, A.R. & Hibbard, P.L.
The influence of one ion on the accumulation of another by plant cells with special reference to experiments with Nitella. Plant Physiol. 3: 473-486. O. 1928. no.4.

Schertz, F.M.
The preparation of chlorophyll. Plant Physiol. 3: 487-497. O.1928. no.4.

Plant Physiology. (cont.)

Sessions, A.C. & Shive, J.W.
A method for the determination of inorganic nitrogen in plant extracts. Plant Physiol. 3: 499-511. illus. O.1928. no.4.

Wood, A.G.
Effect of sunshine and shape of fruit on the rate of ripening of tomato fruits. Plant Physiol. 3: 513-517. illus. O.1928. no.4.

Plant. & Sugar Manuf. (New Orleans)

Deerr, N.
Note on the canes common in northern India. Plant. & Sugar Manuf. 81: 485, 500. D.22,1928. no.25.

Earle, F.S.
Sugar cane varieties (cont.). Plant. & Sugar Manuf. 81: 482-484. D.22, 1928. no.25.

Proc. & Papers 1st Intern. Congr. Soil Sci. Washington.

Briston-Roach, B.M.
The present position of our knowledge of the distribution and functions of algae in the soil. Proc. & Papers 1st Intern. Congr. Soil Sci. Washington, 1927. 3: 30-38; 1928.

Farr, C.H.
The effect of calcium and hydrogen ions upon root hair growth. Proc. & Papers 1st Intern. Congr. Soil Sci. Washington, 1927. 3: 393-415. illus. 1928.
Experiments with Brassica.

Hoagland, D.R. & Martin, J.C.
Recent experiments concerning the adequacy of artificial culture solutions and of soil solutions for the growth of different types of plants. Proc. & Papers 1st Intern. Congr. Soil Sci. Washington, 1927. 3: 381-392. 1928.

McHargue, J.S.
The significance of small amounts of inorganic elements in plants. Proc. & Papers 1st Intern. Congr. Soil Sci. Washington, 1927. 3: 316-422. 1928.

Proc. & Papers 1st Intern. Congr. Soil Sci. Washington (cont.)

McCool, M.M.
The effect of soil fertilization on the moisture content, density, heat of wetting and phosphorus content of the cell sap of plants. Proc. & Papers 1st Intern. Congr. Soil Sci. Washington, 1927. 3: 449-453. 1928.

Magrou, J.
Les champignons de mycorhizes et leur rôle dans le développement des plantes. Proc. & Papers 1st Intern. Congr. Soil Sci. Washington, 1927. 3: 72-91. 1928.

Rapaics, R.
The indicative native vegetation of the szik soils in Hungary. In Treitz, P. Preliminary report on the alkali land investigations of the Hungarian Great Plain for 1926. Proc. & Papers 1st Intern. Congr. Soil Sci. Washington, 1927. 4: 600-614. illus. 1928.

Rayner, M.C.
The rôle of mycorrihiza in plant nutrition. Proc. & Papers 1st Intern. Congr. Soil Sci. Washington, 1927. 3: 317-324. 1928.

Thom, C.
Present and future studies of soil fungi. Proc. & Papers 1st Intern. Congr. Soil Sci. Washington, 1927. 3: 39-47. 1928.

Trenk, F.B.
The occurrence of hickories in Iowa in relation to soil types. Proc. & Papers 1st Intern. Congr. Soil Sci. Washington, 1927. 4: 318-322. 1928.

Truog, E.
How plants feed. Proc. & Papers 1st Intern. Congr. Soil Sci. Washington, 1927. 3: 628-636. 1928.

Veihmeyer, F.J. & Hendrickson, A.H.
The relation of soil moisture to cultivation and plant growth. Proc. & Papers 1st Intern. Congr. Soil Sci., Washington, 1927. 3: 498-513. 1928.

Proc. Nat. Acad. Sci.
Pearl, R., Winsor, C.P., & White, F.B.
The form of the growth curve of the canteloup (Cucumis melo) under field conditions. Proc. Nat. Acad. Sci. 14: 895-901. D.1928. no.12.

Quart. Rev. Biol. (Baltimore)
Schertz, F.M.
The chloroplast pigments, their functions, and the probable relation of chlorophyll to the vitamines. Quart. Rev. Biol. 3: 459-485. D.1928. no.4.

Queensl. Agr. Jour. (Brisbane)
Brooks, G.B.
The algaroba or mesquite tree in central Queensland, Prosopis juliflora. Queensl. Agr. Journ. 30:481-487. illus. N.1928. no.5.

Dickson, B.T.
Leaf spot of banana in southern Queensland. Queensla Agr. Journ. 30: 455-457. N.1928. no.5.

Francis, W.D.
Queensland rain-forest trees (cont.) Grey handlewood, Aphananthe philippinensis. Queensl. Agr. Journ. 30: 478-480. illus. N.1928. no.5.

Simmonds, J. H.
Diseases of the banana in Queensland. Queensl. Agr. Journ. 30: 438-454. illus. N.1928. no.5.

Rev. Agr. Puerto Rico (San Juan)
Richardson, P.
P.O.J. 2878 - Nueva variedad de caña en Puerto Rico. Rev. Agr. Puerto Rico. 21: 163-164. illus. N.1928. no.5.

Rhodora. (Boston)
Blake, S.F.
Notes on Aster. Rhodora. 30: 226-228. N.1928. no.359.

Fernald, M.L.
Some eastern American forms of Senecio. Rhodora. 30: 224-226. N.1928. no.359.

Rhodora. (cont.)

Louis-Marie, Pere, C.C.
The genus Trisetum in America. Rhodora. 30: 209-223. N.1928. no.359.
Trisetum projectum, T.williamsii, T.oreophilum, sp.n.

Mackenzie, K. K.
Solidago flexicaulis and Solidago latifolia. Rhodora. 30: 223-224. N.1928. no.359.

Sbornik Českoslov. Akad. Zeměd. (Praha)

Kočnar, K. & Šmerda, V.
Výsledky pokusů, sledujicich "vegetativni štěpeni" barvy květu u bramborové sorty "Pac." (Ergebnisse der versuche, welche die "vegetative spaltung" der blütenfarbe bei der kartoffelsorte "Pac" verfolgen). Sbornik Českoslov. Akad. Zeměd. 3: 497-521. illus. 1928. no.3.
German summary: p.517-521.

Zima, Fr.
Příspěvek k morfologii a biologii lesniho žita. (Beitrag zur morphologie und biologie des waldkornes). Sbornik Českoslov. Akad. Zeměd. 3: 523-536. illus. 1928. no.3.
German summary: p.535-536.
Secale cereale multicaule.

Science. (Lancaster,Pa.)

Dr. Ludwig Klein. Science. 68: 617. D.21, 1928. no.1773.
Notice of death.

Scient. Month. (Lancaster, Pa.)

Small, J.K.
The Everglades. Scient. Month. 28: 80-87. illus. Ja.1929. no.1.

Soil Sci. (Baltimore)

Skeen, J.R.
Some reactions of seedlings to weak concentrations of hydrochloric acid and calcium. Soil Science. 26: 471-478. D.1928. no.6.

Stephenson, R.E.
Crop response to lime on acid soils. Soil Science. 26: 423-434. D.1928. no.6.

V.11, no.1, p.27.

Tijdschr. Plantenz. (Amsterdam)
Goossens, J.A.A.M.H.
Onderzoek over de door Phoma apiicola Klebahn veroorzaakte schurftziekte van de knoldselderij en over synergetische vormen en locale rassen van deze zwam. Tijdschr. Plantenz. 34: 271-316. D.1928. no.11/12.

Timberman. (Portland, Ore.)
Wyckoff, S.N.
Report of rust control office. Timberm. 30(2): 50-53. D.1928.

Zimmerman, C.W.
Treatment of wood. Timberm. 30(2): 188, 190, 192. illus. D.1928.

Trop. Agriculture West Indies (Trinidad)
Ballou, H.A.
Mr. John R. Bovell, I.S.O., F.C.S., F.L.S. Trop. Agr. West Indies. 6: 30. Ja.1929.

Verh. V. Intern. Kongr. Vererbungswiss. Berlin.
Andersson, I.
The inheritance of variegation in some ferns. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 1: 382-383. 1928.
Abstract.

Blackburn, K.B.
Chromosome number in Silene and the neighbouring genera. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 1: 439-446. illus. 1928.

Blakeslee, A.F.
Genetics of Datura Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 1: 117-130. illus. 1928.

Bleier, H.
Zytologische untersuchungen an seltenen getreide- und rübenbastarden. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 1: 447-452. 1928.

Boeuf, F.
Influence probable de l'état hétérozygote sur la productivité du blé tendre (Essais préliminaires). Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 1: 468-483. 1928.
Avec la collaboration de J. Lenoble.

Verh. V. Intern. Kongr. Vererbungswiss. Berlin. (cont.)

Brieger, F.
Ueber artkreuzungen in der gattung Nicotiana. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 1: 485-495. illus. 1928.

Chodat, F.
La mutation chez les champignons. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 1: 520-521. 1928.
Abstract.

Chodat, R.
Les clones chez les algues inférieures. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 1: 522-530. 1928.

Christiansen-Weinger, F.
Der anatomische blattbau und der entwicklungsrhythmus einiger weizensorten und untersuchungen uber ihre modifizierbarkeit (Vorlaufige mitteilung) Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 1: 531-54.. illus. 1928.

Clausen, R.E.
Interspecific hybridization and the origin of species in Nicotiana. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 1: 547-553. 1928.

Cleland, R.E.
The genetics of Oenothera in relation to chromosome behavior, with special reference to certain hybrids. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 1: 554-567. 1928.

Correns, C.
Ueber nichtmendelnde vererbung. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 1: 131-168. 1928.

Crépin, Ch.
Les fausses folles avoines; mutations ou hybrides? Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 1: 568-575. 1928.

Verh. V. Intern. Kong. Vererbungswiss. Berlin. (cont.)

Duckart, J.
Ergebnisse neunjähriger inzestzuchtversuche bei roggen. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 1: 603-608. 1928.

East, E.M.
The genetics of trimorphism in Lythrum salicaria. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 1: 618-624. 1928.

East, E.M.
Heredity in the genus Fragaria with special reference to the false hybrids of Millardet. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 1: 625-630. 1928.

Ernst, A.
Zur genetik der heterostylie. Verh. V. Intern, Kongr. Vererbungswiss. Berlin, 1927. 1: 635-665. 1928.

Eyster, W.H.
The mechanism of variegations. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 1: 666-686. 1928.

Federley, H.
Chromosomenvarhaltnisse bei mischlingen. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 1: 194-222. iii pl. 1928.

Gates, R.R.
The relations of cytology to genetics in Oenothera. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 1: 749-758. 1928.

Bleisberg, W.
Klonenauslese bei obstunterlagen. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 1: 761-772. illus. 1928.

Haase-Bessel, G.
Ueber genombindungen. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 1: 778-783. 1928.

Verh. V. Intern. Kongr. Vererbungswiss. Berlin. (cont.)

Hansen, N.E.
The relative value of homozygous and heterozygous parents in the breeding of the apple, plum, cherry, grape and other fruits. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 796-812. 1928.

Heilbronn, A.
Ueber experimentell erzeugte tetraploidie bei farnen. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 830-844. illus. 1928.

Honing, J.A.
Dominanzwechsel bei der lichtkeimung. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 861-865. 1928.
Experiments with tobacco.

Hurst, C.C.
Differential polyploidy in the genus Rosa L. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 866-906. 1928.

Huskins, C.L.
Genetical and cytological studies of fatuoid oats and speltoid wheats. Vern. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 1: 907-916. illus. 1928.

Jakushkin, I.V.
Von ergänzenden richtungen auf dem gebiete der zuckerrübenzucht. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 920-925. illus. 1928.

Kobel, F.
Zutologische untersuchungen an kern- und steinobstarten. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 927-930. 1928.

Landau, E.
Die unpacking-theorie von W. Bateson. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 947-952. 1928.

Lathouwers, V.
Étude de certaines variations speltoïdes apparues dans les lignénes pures de froment. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 953-954. 1928.

Verh. V. Intern. Kongr. Vererbungswiss. Berlin. (cont.)

Lebedev, A.F.
Vergleichende untersuchungen über einige physiologische prozesse bei altinotischem und grünem. mais. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2:955-972. 1928.

Levitsky, G.A.
Biometrisch-geographische untersuchung der heterostylie bei Anchusa officinalis L. (s.l.) Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 987-1005. 1928.

Lilienfeld, F.
Ueber einen fall nichtmendelnder vererbung. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 1016-1030. illus., pl.viii-xiii. 1928.
Malva parviflora.

Lindstrom, E.W.
Linkage of size, shape and color genes in Lycopersicum. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 1031-1057. 1928.

Lubimenko, V.N.
Ueber die spektrolorimetrische methode bei der quantitaven bestimmung der pflanzenpigmente und ihre gebrauch für hubridologische analysen. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 1058-1073. illus. 1928.

Lotsy, J.P. & Goddyn, W.A.
Demonstration einiger in Südafrika wildwachsender pflanzenbastarde sowie dort vorkommender kreuzungsprodukte verschiedener menschenrassen. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 1: 773-775. 1928.
Ergebnisse einer reise durch Südafrika 1926-1927.

Macoun, W.T.
The McIntosh apple a parent in breeding new varieties. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 1087-1089. 1928.

Malinowski, E.
A peculiar case of heterosis in Phaseolus vulgaris. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 1090-1093. illus. 1928.

Verh. V. Intern. Kongr. Vererbungswiss. Berlin. (cont.)

Meister, G.K.
Das problem der s peziesbastardierung im lichte der experimentellen methode. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 1094-1117. illus. 1928.

Miège, E.
Complexité de la descendance de deux hybrides intraspécifiques. Valeur génetique du groupe Triticum inflatum Vav. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2:1118-1121. illus. 1928.

Munerati, O.
L'hérédité de l'albinisme en Beta vulgaris L. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 1137-1142. 1928.

Navashin, M.
"Amphiplastie" - eine neue karyologische erscheinung. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 1148-1152. 1928.

Pellew, C.
Further data on the genetics of "rogues" among culinary peas (Pisum sativum). Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 1157-1181. illus. 1928.

Percival, J.
Hybrids of Aegilops sp. x wheats. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 1182-1183. 1928.

Philiptschenko, J.
Ueber die vererbung der quantitativen merkmale beim weizen. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 1184-1192. 1928.

Renner, O.
Ueber koppelungswechsel bei Oenothera. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 1216-1220.

Verh. V. Intern. Kongr. Vererbungswiss. Berlin. (cont.)

Rosenberg, O.
Speziesbildung mit vervielfältigung von chromosomen. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 1: 332-341. 1928.

Salaman, R.N.
Abnormal segregation in families arising from the cross Solanum utile x Solanum tuberosum, (with a cytological analysis by Mary Adams). Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 1230-1239. 1928.

Salaman, R.N.
The inheritance of cropping in the potato. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 1240-1253. 1928.

Sapiegin, A.A. & Sapiegin, L.A.
Hylogenetische untersuchungen an weizen. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 1254-1262. illus. 1928.

Savelli, R.
Quelques observations sur la sexualité sur la fécondation et sur l'héfédité en "Cucurbita." Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 1263-1266. 1928.

Sax, K.
Chromosome behavior in Triticum hybrids. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 1267-1284. illus. 1928.

Scheibe, A.
Eine methode zur quantitativen ermittlung des entwicklungsverlaufe bei getreidesorten. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 1285-1288. 1928.

Schneider, E.
Saatzüchtung und saatbauwesen im rahmen der zuckerindustrie der U.S.S.R. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 1289-1298. 1928.

Verh. V. Intern. Kongr. Vererbungswiss. Berlin. (cont.)

Shull, G.H.
A new gene mutation (mut.bullata) in Oenothera lamarckiana and its linkage relations. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 1322-1342. illus. 1928.

Skalińska, M.
Études sur la sterilité partielle des hybrides de genre Aquilegia. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 1343-1372. illus. 1928.

Stomps, T.J.
Ueber die mutationserscheinungen der Oenothera biennis L. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 1405-1414. illus. 1928.

Sveshnikova, I.
Die genese des kerns im genus Vicia. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 1415-1421. illus., col.pl. xiv. 1928.

Szabó, Z.
Zur erklarung der exzessiven variationskurven. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 1439-1446. illus. 1928.

Takezaki, Y.
The inheritance of the ear-length and awn-length in barley, with special reference to their factor analysis and the determination of their qualifying value. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 1447-1454. illus. 1928.

Tavčar, A.
Beitrag zur vererbung der anzahl und lange von spaltoffnungen bei Zea mays L. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 1455-1478. 1928.

Tischler, G.
Ueber eigenartige chromosomenbindung bei Ribes gordonianum (R.sanguineum x R.aureum). Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 1487-1494. 1928.

Tschermak, E.
Ueber seltene getreide- und rübenbastarde. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 1495-1498. 1928.

Verh. V. Intern. Kongr. Vererbungswiss. Berlin. (cont.)

Vavilov, N.I.
Geographische genzentren unserer kulturpflanzen. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 1: 342-369. illus. (map) 1928.

Vilmorin, R.de. & Meunissier, A.
Note sur le pois "foposer" ou pois "de cire." Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 1517-1519. 1928.

Vilmorin, R.de. & Simonet, M.
Recherches sur le nombre des chromosomes chea les solanées. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 1520-1536. illus. 1928.

Wettstein, R.
Das problem der evolution und die moderne vererbungslehre. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 1: 370-380. 1928.

White, O.E.
Mutation, adaptation to temperature differences, and geographical distribution in plants.. Verh. V. Intern.Kongress Vererbungswissensch. Berlin, 1927. 2: 1575-1586. 1928.

Winton, D.de.
Further linkage work in Pisum sativum and Primula sinensis. Verh. V. Intern. Kongr. Vererbungswiss. Berlin, 1927. 2: 1594-1600. 1928.

Vie Agr. et Rur. (Paris)

Diffloth, P.
Quelques ennemis dangereux des cultures potagères. Vie Agr. et Rur. 32: 391-393. illus. D.16,1928. no.51.

Zeitschr. Pilzk. (Leipzig)

Krause, E.H.L.
Cortinarius fulvescens Fr.? Zeitschr. Pilzk. 12(n.s.7): 170. illus. N.1928. no.11.

Kunz,
Auffallende färbung vom birken-reizker (Lactarius torminosus). Zeitschr. Pilzk. 12(n.s.7): 170-171. N.1928. no.11.

Zeitschr. Pilzk. (cont.)

Singer, R.
Ziele der systematischen hymenomyzetenforschung. Zeitschr. Pilzk. 12(n.S.7): 161-167. N.1928. no.11.

Villinger, W.
Im Weymouthskiefernwald. Zeitschr. Pilzk. 12(n.s.7): 167-169. N.1928. no.11.

Zeitschr. Sukkulentk. (Berlin)

Bödeker, F.
Mamillaria aurihamata Böd. Zeitschr. Sukkulentk. 3: 340-342. illus. N.1928. no.15.

Bödeker, F.
Mamillaria durispina Böd. Zeitschr. Sukkulentk. 3:342-343. illus. N.1928. no.15.

Tischer, A.
Aus N.E. Browns Mesembrianthemum-studien. (cont.) Zeitschr. Sukkulentk. 3: 347-351. illus. N.1928. no.15.

Werdermann, E.
Echinopsis ducis pauli Foerst. Zeitschr. Sukkulentk. 3: 334-336. illus. N.1928. no.15.

Exper. Stat. Publ.

Breazeale, J.F.
The effect of one element of plant food upon the absorption by plants of another element. Arizona Agr. Exp. Stat. Techn. Bull. 19: 465-480. My.1928.

LeClerg, E.L. & Durrell, L.W.
Vascular structure and plugging of alfalfa roots. Colorado Agr. Exp. Stat. Bull. 339. 19 p. illus. O.1928.

Woodroof, J.G., Woodroof, N.C. & Bailey, J.E.
Unfruitfulness of the pecan. Georgia Agr. Exp. Stat. Bull. 148. 40 p. illus. D.1928.

Wells, B.W. & Shunk, I.V.
A southern upland grass-sedge bog: an ecological study. North Carolina Agr. Exp. Stat. Techn. Bull. 32. 75 p. illus. O.1928.
Area in question, is located about two miles north of Burgaw, Pender Co., North Carolina, where it is locally known as "Big Savannah."

V.11, no.1, p.37.

New Books.

Beckwith, M.W.
Notes on Jamaican ethnobotany. Poughkeepsie, Vassar College, 1927.

Braun-Blanquet, J.
Pflanzensoziologie, grundzuge der vegetationskunde. Berlin, J. Springer, 1928.

Schaffner, J.H.
Field manual of the flora of Ohio. Columbus Ohio, R.G. Adams & Co.,1928.

Sen, H.K.
The utilization of water hyacinth for the production of alcohol and potassium chloride. Calcutta, Univ. Coll. Sci., Ap.1928.

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON

Vol. 11, no.2. January 7-19,1929.

Agr. Gaz. N. S. W. (Sydney)

Anderson, R. H.
Farm forestry V. The native and introduced trees of New South Wales. (cont.) Agr. Gaz. N.S.W. 39: 919-926. illus. D. 1928. no.12.

Hynes, H.J.
Stem rust of wheat. The isolation of resistant types from a Federation x Khapli cross. Agr. Gaz. N.S.W. 39:871-880. illus. D. 1928. no.12.

Agr. Journ. India (Calcutta)

Uppal, B. and Malelu, J.S.
A preliminary report on experiments in the control of grain smut of jowar (Andropogon sorghum) Agr. Journ. India 23:471-472. N.1928. no.6.

Agr. Res. Roy. Agr. Soc. (London)

Engledow, F.L.
Crops and plant breeding. Agr. Res. Roy. Agr. Soc. 1927:1-27. 1928.
Seed setting and sterility in the cabbage group Reversion and deterioration in plants.

Agric. Colon. (Firenze)

Nicastro, C.
Il mate o tè del Paraguay (Ilex paraguariensis St. Hil) Agric. Colon. 22:403-417, 465-469, 2 pl. N.-D.1928. no.11-12.

Amer. Journ. Bot.

Kostoff, D.
Studies on callus tissue. Amer. Journ. Bot. 15:565-576. pl. xxxvii-xli. D.1928(Rec'd Ja.1929) no.10

Taylor, W.R., and Colton, H. S.
The phytoplankton of some Arizona pools and lakes. Amer. Journ. Bot. 15:596-614. pl. xlvi-xlvii. D.1928. (Rec'd Ja.1929) no.10.

Taylor, W.R.,
A species of Acrothix on the Massachusetts Coast. Amer. Journ. Bot. 15:577-583. pl. xlii-xliii. D.1928. (Rec'd) Ja.1929) no.10.
A. novae-angliae.

Amer. Journ. Bot. (cont.)

Rydberg, P. A.
Genera of North American Fabaceae V. Astragalus and related genera. Amer. Journ. Bot. 15:584-595. pl. xliv-xlv. D.1928. (Rec'd Ja.1929) no.10.
See also at end of list.

Ann. di Bot. (Roma)

Bambacioni, V.
Ricerche sulla ecologia e sulla embriologia di "Fritillaria persica" L. Ann. di Bot. 18:7-37. pl. iii-v. O. 1928. no.1.

Colla, S.
Osservazioni sulla presenza di fermenti ossidanti nei tessuti di alcune fanerogame parassite. Ann. di Bot. 18:113-123. illus. O.1928. no.1.
Cuscuta epithymum, Lathraea spuamaria.

Colla, S.
Sulla localizzazione del glicogeno nei funghi e sul suo significato biologico. Ann. di Bot. 18:124-143. O.1928. no.1.

Colla, S.
Sulla localizzazione delle ossidasi e delle perossidasi nei basidiomiceti. Ann. di Bot. 18: 106. illus. O. 1928. no.1.

Dragone, G. T.
Fluorescenza di succhi vegetali ai raggi ultravioletti filtrati. Ann. di Bot. 18:107-112. O.1928. no.1.

Montemartini, L.
Materiali per uno studio del sistema assimilatore delle piante. Ann. di Bot. 18:38-91. O.1928. no.1.

Ann. Rep. Dept. Agr. Maruitius.

Shepherd, E.F.S.
[Report of the] Botanical division. Ann. Rep. Dept. Agr. Mauritius 1927:17-19. 1928.
Mainly plant diseases.

Arb. Biol Oka-Stat. (Muram)

Meyer, C.I.
...Introduction to the algoloical flora of the river Oka and its valley II. The riverside inundated meadows. Arb. Biol.Oka-Stat. 5:57-80. 1928. no.2/3.

Arb. Biol Oka-Stat. (Muram) (cont.)

Nazarov, M. I.

... Addenda à la flore de la partie orientale du gnt. de Vladimir. Arb. Biol. Oka-Stat. 5:161-169. 1928. no.2/3.

Russian with French résumé.

Shadin, V.

...Professor Constantin I. Meyer. Arb. Biol. Oka-Stat. 5:55-56. port. 1928. no.2/3.

Russian.

Usachev, P.I.

... Kurze beschreibung der algenflora des Weletminskij teiches (gouv. Nishnij Novgorod, Mittelrussland). Arb. Biol. Oka-Stat. 5: 143-153. 1928. no.2/3.

Russian with German summary.

Arch. de Bot. Caen Bull. Mens.

Charles Eugene Adolphe Gerber. Arch. Bot. Caen Bull. Mens. 2:208. N. 1928. no.11.

Obituary notice.

Thériot, I.

Etude sur Campylopus consolor (Hook.) Mitt. et C. Jamesoni (Hook.) Jaeg. Arch. Bot. Caen Bull. Mens. 2:185-188. illus. O. 1928. no.10.

Campylopus apollinairei, sp. nov.

Zahn, K. H.

Notes sur quelques Hieracium nouveaux ou critiques de l'herbier R. de Litardière. Arch. Bot. Caen Bull. Mens. 2:193-202. N. 1928. no.11.

Arch. Koffiecult. (Batavia)

Bally, W.

Eerste rapport over de topsterfte van de koffie in de residenties Benkoelen en Palembang. (First report on the coffee top-disease in the residencies Benkoelen and Palambang (Sumatra) Arch. Koffiecult. 2:53-132. illus. N.1928. no.2.

English summary: p. 96-98.

Pestalozzia versicolor, Clasosporium herbarum, Acrostalagmus cinnabarinus (Verticillium latiritium), Gloeosporium sp., Diplodia sp. isolated from the wood of 20 different trees; no one of them as yet proved to be the cause.

Arch. Pharm. & Ber. Deut. Pharm. Ges. (Leipzig)

Heyl, G.
Ueber das alkaloid von Carnegiea gigantea (Engelm.) Britt. und Rose. (Cereus giganteus Engelm.) Arch. Pharm. u. Ber. Deut. Pharm. Ges. 266:668-673. pl. D.1928. no.9.

Arch. Protistenk. (Jena)

Geitler, L.
Neue cytologische arbeiten über diatomeen. Arch. Protistenk. 64:495-506. illus. D.1928. no.3.

Ber. Deut. Bot. Ges. (Berlin)

Blochwitz, A.
Hygiene der schimmelpilze. Ber. Deut. Bot. Ges. 46:550-551. N.1928. no.8.

Ernst, A.
Zur vererbung der morphologischen heterostylie-merkmale. Ber. Deut. Bot. Ges. 46:573-588. N.1928. no.8.

Schürhoff, P.N.
Ueber die entwicklung des eiapparates der angiospermen. Ber. Deut. Bot. Ges. 46:560-572. N.1928. no.8.

Schwemmle, J.
Genetische untersuchungen an eu-oenotheren. Ber. Deut. Bot. Ges. 46:552-559. illus. N.1928.
Vorlaufige mitteilung.

Walter, H.
Die bedeutung des wassersättigungszustandes für die CO_2- assimilation der pflanzen. Ber. Deut. Bot. Ges. 46:530-539. N.1928. no.8.

Walter, H.
Ueber die pretzsaftgewinnung für kryoskopische messungen des osmotischen wertes bei pflanzen. Ber. Deut. Bot. Ges. 46:539-549. N.1928. no.8.
Vorlaufige mitteilung.

Better Fruit (Portland, Ore.)

Bush, C.D.
Serums for plant diseases. Better Fruit 23(7): 10. Ja.1929.
Work of G. A. Zimmerman in treatment of chestnut blight by injecting solutions into trees.

Biochem. Zeitschr. (Berlin)

Acklin, O., and Schneider, W.
Zur biochemie des Penicillium glaucum. Ein beitrag zum problem der methylketonbildung aus triglyceriden bzw. fettsäuren im stoffwechsel des schimmelpilzes. Biochem. Zeitschr. 202:246-283. N.1928. no.4/6.

Herzner, R.
Ueber die natur des wasserlöslichen proteins im weizensamen. Biochem. Zeitschr. 202:320-328. N.1928. no.4/6.

Iwanoff, N.N., and Grigorjewa, W.F.
Ueber die unveränderlichkeit des ätherischen oles beim keimen der anisfrüchte. Biochem. Zeitschr. 202:284-293. N. 1928. no.4/6.

Michlin, D.
Weiteres uber pflanzliche oxydoredukase. Biochem. Zeitschr. 202:329-336. N.1928. no.4/6.

Biol. Gen. (Vienna)

Daumann, E.
Zur biologie der blüte von Nicotiana glauca Grah. (Zugleich ein beitrag zur erweiterung unserer kenntnisse über ungewöhnlichen blütenbesuch der honigbiene) Biol. Gen. 4:571-588. illus. 1928. no.6/8.

Knoll, F.
Ueber die laubblattnektarien von Catalpa bignonioides und ihren insektenbesuch. Mit. ausblicken auf blütenökologische probleme. Biol. Gen. 4: 541-570. illus. 1928. no.6/8.

Niethammer, A.
Stimulationswirkungen im pflanzenreiche II. Biol. Gen. 4:655-694. 1928. no.6/8.

Pohl, F.
Ueber blütenknospenverschlüsse bei einigen wasserpflanzen. Biol. Gen. 4:589-604. illus. 1928. no.6/8.

Biull. Gosudarstv. Nikitsk. Opytn. Bot. Sad. (Bull. Gov. Bot. Gard. Nikita) (Ialta)

Gun'ko, G. K.
Cephalophora aromatica Schrad. Biull. Gosudarstv. Nikitsk. Opytn. Bot. Sad (Bull. Gov. Bot. Gard. Nikita) no.1. 19 p. illus. 1929.
Russian with English summary.

Bol. Agr. Tecn. & Econ. Spain (Madrid)
Benlloch, M.
El "negrón" o marchitez temprana de los patatares. Bol. Agr. Técn. y Econ. Spain 20:553-558. N.1928. no.239.
Alternaria solani.

Rodríguez Sardiña, J.
La "sarna verrugosa" o "sarna negra" de la patata. Bol. Agr. Técn. y Econ. Spain. 20:559-562. N.1928. no.239.
Synchytrium endobioticum.

Bol. Mus. Nac. Rio de Janeiro.
Kuhlmann, J.G., and Sampaio, A.J. de
Clinostemon, Kuhlm. et A. Samp. n. gen. de Lauraceas, da Amazonia. Bol. Mus. Nac. Rio de Janeiro 4:57-59. 2 pl. Je.1928. no.2.
C. mahuba.

Bol. Patol. Veg. y Entom. Agr. (Madrid)
Benlloch, M.
La "abolladura" de las hojas del melocotonero. Taphrina [Exoascus] deformans (Fuck) Tul. Bol. Patol. Veg. y Entom. Agr. 3:41-44. illus. Ja./Je. 1928. (Rec'd Ja.1929) no.10/11.

Benlloch, M.
Notas sobre el estudio de insecticidas y criptogamicidas. Bol. Patol. Veg. y Entom. Agr. 3:16-23. Ja./Je.1928. (Rec'd Ja.1929) no.10/11.

Benlloch, Miguel
Sobre el tratamiento del "repilo" o caída de las hojas de los olivos. (Cycloconium oleaginum, Cast.) Bol. Patol. Veg. y Entom. Agr. 3:3-8. illus. Ja./Je.1928. (Rec'd Ja.1929) no.10/11.

Rodríguez Sardiña, J.
El Profesor González Fragoso. Bol. Patol. Veg. y Entom. Agr. 3:75-80. port. Ja./Je.1928. no.10/11. (Rec'd Ja.1929)
Principales publicaciones micológicas del Profesor González Fr agoso: p.78-80.

Bot. Gaz. (Chicago)
Cain, S. A.
Plant succession and ecological history of a central Indiana swamp. Bot. Gaz. 86:384-401. illus. D.1928. (Rec'd Ja.1929) no.4.
Bacon's swamp in Washington township, Marion County, Indiana.

Bot. Gaz. (cont.)

Goldstein, B.
Nuclear form as related to functional activities of normal and pathological cells. Bot. Gaz. 86: 365-383. illus. D.1928. no.4. (Rec'd Ja.1929)

Haas, A.R.C., and Batchelor, L.D.
Relation of phosphorus content to shriveling of walnut kernels. Bot. Gaz. 86:448-455. illus. D.1928. (Rec'd Ja.1929) no.4.

Jeffrey, E. C.
Technical contributions. Bot. Gaz. 86:456-467. illus. D.1928. (Rec'd Ja.1929) no.4.

I. Improved method of softening hard tissues.
II. Mass method of imbedding.
III. Sliding microtome for cutting hard tissues.
IV. Improvements in use of nitrocellulose for imbedding.
V. Air pump for the field.

Moore, L.B.
Pelvetia fastigiata. Bot. Gaz. 86:419-434. illus. D.1928. (Rec'd Ja.1929) no.4.

Sherff, E.E.
Studies in the genus Bidens IX. Bot. Gaz. 86: 435-447. pl. xiv-xvi. D.1928. (Rec'd Ja.1929) no.4.
Bidens fulvescens, B. Wiebkei, B. coartata, B. salicoides, B. populifolia, sp. nov.

Zirkle, C.
Nucleolus in root tip mitosis in Zea mays. Bot. Gaz. 86:402-418. pl. xii-xiii. D.1928. (Rec'd Ja.1929) no.4.

Bot. Mag. Tokyo.

Emoto, Y.
On the myxomycetes newly found in Japan. Bot. Mag. Tokyo 42:536-543. plates. N.1928. no.503.
Text in Japanese; English summary: p.540-543.

Hiratsuka, N.
Additional notes on the Melampsoraceae of Hokkaido. Bot. Mag. Tokyo 42:503-504. N.1928. no.503.
Phakopsora itôana nov. sp.

Honda, M.
Nuntia ad floram Japoniae I. Bot. Mag. Tokyo, 42:506-509. N.1928. no.503.
Carex conicoides, Eriocaulon senile, Eragrostis aquatica, Meisteria nudipes, sp. nov.

Bot. Mag. Tokyo. (cont.)

Morikawa, K.
Torreya igaensis, a new species of the genus Torreya and Torreya macrosperma. Bot. Mag. Tokyo. 42:533-536. illus. N.1928. no.503.
Text in Japanese; English summary: p.536.

Nishiyama, I.
Reduction division in Lycoris. Bot. Mag. Tokyo 42:509-513. illus. N.1928. no.503.
Text in Japanese; English summary: p. 513.

Ohki, K.
On the systematic importance of the spodograms of the leaves of the Bambusaceae V. Bot. Mag. Tokyo. 42:514-524. illus. N.1928. no.503.

Ono, T.
Further investigations on the cytology of Rumex. Bot. Mag. Tokyo 42: 524-533. illus. N.1928. no.503.
Text in Japanese; English summary: p.532-533.

Sugiura, T.
Chromosome numbers in some higher plants I- Bot. Mag. Tokyo 42:504-506. illus. N.1928. no.503.

Bulet. Grad. Bot. Univ. Cluj. (Roumania)

Nyárády, E. I.
Studiu preliminar asupra unor specii de Alyssum din sectia odontarrhena (Vorstudium uber einige arten der section odontarrhena der gattung Alyssum) (cont.) Bulet. Grad. Bot. Univ. Cluj. 7:65-160. illus. 1928. no.3/4.

Bull. Agence Gén. Colon. France (Paris)

Heim de Balsac, F., Deforge, A., Heim de Balsac, H.
Contribution a l'étude des écorces tanniferes de Madagascar (cont.) VII. Écorce de "fany" (Piptadenia chrysostachys Benth.- Légumineuses-Mimos.) Bull. Agence Gén. Colon. France. 21: 1266-1274. pl. D. 1928. no.239.

Heim de Balsac, F., Dagand, G.S., Heim de Balsac, H., Lefevere, L., Maheu, J. & Parveaud, A.
Suifs d'Irvingia, leurs plantes productrices (cont.) II. Suif de "cay-cay" (I. oliveri Pierre) Bull. Agence Gén. Colon. France 21:1251-1265. plates. D. 1928. no.239.

Bull. Agr. Dept. Madras.

Anstead, R. D.
Mosaic disease. Bull. Agr. Dept. Madras. 92. 13 p. 2 pl. (col.) 1928.

Bull. Cl. Sci. Acad. Roy. Belg. (Bruxelles)
Wildeman, E. de
Sur la ramification du palmier a huile (Elaeis guineensis Jacq.) Bull. Cl. Sci. Acad. Roy. Belg. V, 14:403-407. pl. 1928. no.7.

Bull. Imp. Inst. Gt. Brit. (London)
Dried litchis from Mauritius. Bull. Impr. Inst. Gt. Brit. 26:423-426. Ja.1929. no.4.
Litchi chinensis - Nephelium litchi.

A new oil seed from Brazil. Bull. Imp. Inst. Gt. Brit. 26:416-418. Ja. 1929. no.4.
Joannesia heveoides.

Oil seeds from British Guiana. Bull. Imp. Inst. Gt. Brit. 26:411-416. Ja.1929. no.4.
Crabwood seeds (Carapa guianensis); Awarra palm fruits (Astrocaryum sp.)

Bull. Scripps Inst. Oceanogr. Techn. Ser.
Allen, W. E.
Quantitative studies on inshore marine diatoms and dinoflagellates collected in southern California in 1924. Bull. Scripps Inst. Oceanogr. Techn. Ser. 1:347-356. N.1928. no.15.

Allen, W. E.
Review of five years of studies on phytoplankton at southern California piers, 1920-1924 inclusive. Bull. Scripps Inst. Oceanogr. Techn. Ser. 1:357-401. N.1928. no.16.

Bull. Soc. Hist. Nat. Afr. Nord.
Humbert, H.
Vegetation de l'Atlas saharien occidental el additions a l'etude botanique de l'Ari Ayachi. Bull. Soc. Hist. Nat. Afr. Nord. 19:204-240. pl. xx-xxvii. My. 1928. no.5/6.

Bull. So. Calif. Acad. Sci. (Los Angeles)
Davidson, A.
Fritillaria hutchinsoni n. sp. Bull. So. Calif. Acad. Sci. 27:79. pl. viii. S./D. 1928. no.3.

Davidson, A.
Stylophyllum anomalum n. sp. Bull. So. Calif. Acad. Sci. 27:79. S./D. 1928.

Canad. Alpine Journ.
MacFadden, F. A.
Plant life of Mt. Robson and Tonquin valley. Canad. Alpine Journ. 16:219-226. pl. 1928.

Compt. Rend. Acad. Agr. France. (Paris)

André, E.
L'aleurone des graines oléagineuses substance alimentaire. Compt. Rend. Acad. Agr. France. 14:1292-1303. D. 26, 1928. no.38.

Bertrand, G.
Sur la teneur en zinc des aliments végétaux. Compt. Rend. Acad. Agr. France. 14:1303-1307. D.26,1928. no.38.

Hitier, H.
Jean Dybowski. Compt. Rend. Acad. Agr. France. 14:1288-1291. D. 26, 1928. no.38.

Compt. Rend. Acad. Sci. Paris.

Boeuf, F.
A propos de la génétique du blé. Compt. Rend. Acad. Sci. Paris. 14:1252-1264. D.12,1928.

Chalaud, G.
Le spermatozoïde de Cephalozia bicuspidata (L.) Dum. Compt. Rend. Acad. Sci. Paris 188:76-77. Ja.2,1929. no.1.

Chevalier, A.
Sur la dégradation des sols tropicaux causée par les feux de brousse et sur les formations végétales régressives qui en sont la conséquence. Compt. Rend. Acad. Sci. Paris. 188:84-86. Ja.2, 1929. no.1.

Combes, R., and Piney, M.
Protéolyse et protéogénèse chez les plantes ligneuses au début de la période active de végétation. Compt. Rend. Acad. Sci. Paris. 188: 79-81. Ja.2,1929. no.1.

Fondard, L.
Recherches sur la composition de l'épinard. Compt. Rend. Acad. Sci. Paris 14:1265-1270. D.12, 1928. no.1.

Obaton, Fernand.
Origin et évolution du mannitol chez les végétaux. Compt. Rend. Acad. Sci. Paris. 188: 77-79. Ja.2, 1929. no.1.

Schribaux, Emile
Expérience de traitement à sec de la carie sur les blés de printemps. Compt. Rend. Acad. Sci. Paris. 14:1270-1275. D.12,1928. no.37.

Compt. Rend. Acad. Sci. Paris. (cont.)

Simonet, M.
Nouvelles recherches sur le nombre des chromosomes chez les hybrides des Iris des jardins (Iris germanica hort.) Compt. Rend. Acad. Sci. Paris. 188: 82-84. Ja.2, 1929. no.1.

Compt. Rend. Soc. Biol. Paris.

Auger, D.
Conduction de la variation négative dans les tissus végétaux. Compt. Rend. Soc. Biol. Paris. 99: 1822-1824. D.21, 1928. no.37.

Cantacuzène, A.
De l'existence de tumeurs chez diverses algues marines et de leur répartition régionale. Compt. Rend. Soc. Biol. Paris. 99: 1832-1835. D.21, 1928. no.37.

Cantacuzene, A.
Tumeurs bactériennes des thalles de Saccorhiza bulbosa. Compt. Rend. Soc. Biol. Paris. 99: 565-566. Jl.27, 1928. no.25.

Ledous, P.
Sur l'histologie foliare de divers Entandrophragma C.DC. (Meliaceae) du Congo Belge. Compt. Rend. Soc. Biol. Paris. 99: 1886-1889. D.21, 1928. no.37.

Country Life (Amer.) (Garden City, N.Y.)

Frothingham, R.
Deserts that "bloom as the rose". Country. Life. Amer. 55(3): 35-37. illus. (col.) Ja.1929.
Mexico's vast cactus forests.

Curiamo Piante (Milan)

Ferraris, T.
Mummificazione delle nespole. Curiamo Piante. 7: 234-235. illus. D.29, 1928. no.12.
Monilia fructigena on Mespilus germanica.

Ecology, (Brooklyn, N.Y.)

Chalkley, H.W. & Livingston, B.E.
Atmometric rates read instantaneously and an automatic continuous recorder for rate fluctuation. Ecology. 10: 37-46. illus. Ja.1929. no.1.

Core, E.L.
Plant ecology of Spruce Mountain, West Virginia. Ecology. 10: 1-13. illus. Ja.1929. no.1.

Ecology. (cont.)

Harris, J.A., Kuenzel, J. & Cooper, W.S.
Comparison of the physical factors of habitats. Ecology. 10: 47-66. Ja.1929. no.1.

Larsen, J.A.
Fires and forest succession in the Bitterroot Mountains of northern Idaho. Ecology. 10: 67-76. Ja.1929. no.1.

Erdész. Kisérl. (Hungary) (Sopron)

Benkovits, K.
Az Amorpha fruticosa morphologiája. (Die morphologie der Amorpha fruticosa). Erdész. Kisérl. 30: 269-281. illus. N.1928. no.3.
German summary: p.306-312.

Ernahr. Pflanz. (Berlin)

Kobel, F.
Befruchtung und fruchtbildung bei unseren obstbaumen. Ernahr. Pflanz. 24: 456-461. illus. D.15, 1928. no.24.

Espana Forestal. (Madrid)

Podhorsky, J.
El pino de Córcega (P.laricio, var. poiretiana. Ant. (concl.) Expana Forestal. 13: 170-171. N. 1928. no.151.

Farming South Africa.

Verwoerd, L.
Two diseases of the tomato. Farming South Africa. 3:1167-1169. illus. D.1928. no.33.
A disease which resembles tomato yellows but is provisionally called "mosaic"; Macrosporium solani.

Faserforsch. (Leipzig)

Fabian, H.
Der einfluss der ernahrung auf die wertbestimmenden eigenschaften von bastfaserpflanzen (flachs und nessel) unter besonderer berucksichtigung der ausbildung ihrer fasern II, Faserforsch. 7: 69-115. pl. viii-x. D.1928. no.2.

Flow. Grow. (Calcium, N.Y.)

Soares, A. J.
Coast flowers of California. Flow. Grow. 16: 27-28. illus. Ja.1929. no.1.

Forstarch. Zeitschr. Wissenschaftl. u. Techn. in Forstwirtsch. (Hannover)

Liese, J.
Frank Schwarz. Forstarch. Zeitschr. Wissenschaftl. u. Technisch. Fortschr. Forstwirtsch. 4: 461-463. port. D.15,1928. no.24.
Verzeichnis der veröffentlichungen: p.463.

Fortschr. Landw. (Vienna)

Rathlef, H.v.
Die stammbaumforschung und ihre bedeutung für die pflanzenzüchtung unter besonderer bezugnahme auf die kartoffel und die rose. Fortschr. Landw. 3: 1122-1126. D.15, 1928. no.24.

Gard. Chron. (London)

Anderson, A.W.
Ranunculus lyallii (Hook. F.) Gard. Chron. III, 84: 506-507. illus. D.29,1928. no.2192.
Includes R. buchanani; illus. also on p.503.

Bewley, W.F.
The glasshouse plant and its environment. Gard. Chron. III, 84; 481, 501. D.22,29, 1928.
Abstract of paper before Assoc. of economic biologists. I. In relation to health. II. In relation to disease.

Brown, N.E.
Mesembryanthemum (cont.) Gard. Chron. III, 84: 492-493. D.22,1928. no.2191.

Cheal, W.F.
The black dot fungus of potatoes. Gard Chron. III, 84: 508-509. illus. D.29, 1928. no.2192.
Colletotrichum atramentarium.

Darnell, A. W.
The genus Primula (cont.) Gard. Chron. III, 84: 488-489, 509-510. D.22,29,1928. no.2191-92.

Falconer, A.
The partial sterilisation of soil by steam. Gard. Chron. III, 84: 494-495. illus. D.22,1928. no.2191.
Abstract (Steam sterilisation of potting soil and the effect of artificial sunlight rays on seedlings) v.84, p.472-474 (entered in previous list)

William G. Smith. Gard. Chron. III, 84: 499. D.22, 1928.
Notice of death.

Gard. Chron. Amer. (N.Y.) [illegible]

Shaw, M. C.
Palms in California. Gard. Chron. Amer. 33(11): 7-8. illus. Ja.1929.

Wells, F.C.
Rust in snapdragons. Gard. Chron. Amer. 33(11): 20. Ja. 1929.

Gartenfl. (Berlin)

Schlieben, H.J.
Der botanische garten in Algier. Gartenfl. 77: 389-391. illus. D. 1928.

Wehrhahn, H.R.
Fritz von Oheimb. Gartenfl. 77: 418. D. 1928.

Genetics (Menasha, Wisc.)

Kemp, W.B.
Genetic equilibrium and selection. Genetics. 14: 85-127. Ja.1929. no.1.

Kostoff, D.
Acquired immunity in plants. Genetics. 14: 37-77. illus. Ja.1929. no. 1.
Experiments with Solanaceae.

Robertson, D.W.
L Linkage studies in barley. Genetics. 14: 1-36. illus. Ja.1929. no. 1.

Yarnell, S. H.
Notes on the somatic chromosomes of the seven-chromosome group of Fragaria. Genetics. 14: 78-84. pl.1-2. Ja. 1929. no.1.

Gironde Agr. et Vitic.

Lafforgue, G.
L'anthracnose de la vigne. Gironde Agr. et Vitic. 4(38): 5-7. F.1928.

Helvetica Chim. Acta (Basel)

Karrer, P., Helfenstein, A. & Widmer, R.
Pflanzenfarbstoffe IX. Zur kenntnis des crocetins und lycopins. Helvetica Chim. Acta. 11: 1201-1209. illus. 1928. no.6.

Gard. Chron. Amer. (N.Y.) [illegible]

Shaw, M. C.
Palms in California. Gard. Chron. Amer. 33(11): 7-8. illus. Ja.1929.

Wells, F.C.
Rust in snapdragons. Gard. Chron. Amer. 33(11): 20. Ja. 1929.

Gartenfl. (Berlin)

Schlieben, H.J.
Der botanische garten in Algier. Gartenfl. 77: 389-391. illus. D. 1928.

Wehrhahn, H.R.
Fritz von Oheimb. Gartenfl. 77: 418. D. 1928.

Genetics (Menasha, Wisc.)

Kemp, W.B.
Genetic equilibrium and selection. Genetics. 14: 85-127. Ja.1929. no.1.

Kostoff, D.
Acquired immunity in plants. Genetics. 14: 37-77. illus. Ja.1929. no. 1.
Experiments with Solanaceae.

Robertson, D.W.
L Linkage studies in barley. Genetics. 14: 1-36. illus. Ja.1929. no. 1.

Yarnell, S. H.
Notes on the somatic chromosomes of the seven-chromosome group of Fragaria. Genetics. 14: 78-84. pl.1-2. Ja. 1929. no.1.

Gironde Agr. et Vitic.

Lafforgue, G.
L'anthracnose de la vigne. Gironde Agr. et Vitic. 4(38): 5-7. F.1928.

Helvetica Chim. Acta (Basel)

Karrer, P., Helfenstein, A. & Widmer, R.
Pflanzenfarbstoffe IX. Zur kenntnis des crocetins und lycopins. Helvetica Chim. Acta. 11: 1201-1209. illus. 1928. no.6.

Journ. Agr.Res. (cont.)

Hahn, G.G.
The inoculation of Pacific northwestern Ribes with Cronartium ribicola and C.occidentale. Journ. Agr.Res. 37: 663-683. D.1.1928 (Rec'd Ja.12,1929) no.11.

McClelland, T.B.
Studies of the photoperiodism of some economic plants. Journ. Agr. Res. 37: 603-628. illus. N.15,1928 (Rec'd Ja.5, 1929) no.10.

Metzger, W.H. & Janssen, G.
The relation of sodium nitrate and certain other nitrogen carriers to the development of chlorosis in rice. Journ. Agr.Res. 37: 589-602. N.15, 1928 (Rec'd Ja.5,1929) no.10.

Swanson, A.F.
Seed-coat structure and inheritance of seed color in sorghums. Journ. Agr. Res. 37: 577-588. illus. N.15,1928 (Rec'd Ja.5,1929) no.10.

Thorne, G.
Nematodes inhabiting the cysts of the sugarbeet nematode (Heterodera schachtii Schmidt). Journ. Agr.Res. 37: 571-575. illus. N.15,1928 (Rec'd Ja.5,1929) no.10.

Journ. Biol. Chem. (Baltimore)

Hauge, S.M. & Trost, J.F.
An inheritance study of the distribution of vitamin A in maize. Journ. Biol. Chem. 80: 107-114. N.1928. no.1.

Morse, F.W.
The mineral constituents of cranberries. Journ. Biol. Chem. 81: 77-79. Ja.1929. no.1.

Journ. Helminth. (London)

Goodey, T.
Observations on Tylenchus musicola Cobb, 1919, from diseased banana roots. Journ. Helminth. 6: 193-198. illus. D.1928. no.4.

Journ. Pomol. & Hort. Sci. (London)

Hatton, R.G.
The behaviour of certain pears on various quince rootstocks. Journ. Pomol. & Hort. Sci. 7: 216-233. plates. D.1928. no.3.

Journ. Pomol. & Hort. Sci. (cont.)

Small, T.
A disease of the strawberry plant. Journ. Pomol. & Hort. Sci. 7: 212-215. 2 pl. D. 1928. no.3.
Diplodina lycopersici.

Wallace, T.
Investigations on chlorosis of fruit trees II. The composition of leaves, bark and wood of current season's shoots in cases of lime-induced chlorosis. III. A chlorosis of plums due to potassium deficiency. Journ. Pomol. & Hort. Sci. 7: 172-183, 184-198. D.1928. no.3.

Journ. Linn. Soc. Bot. (London)

Bandulska, H.
A cinnamon from the Bournemouth eocene. Journ. Linn. Soc. Bot. 48: 139-147. illus., pl.8. D.1928. no.320.

Groves, J.
On charophyta collected by Mr. Thomas Bates Blow, F.L.S., in Madagascar. Journ. Linn.Soc. Bot. 48: 125-137. pl. 4-7. D.1928. no.320.
Nitella inaequalis, N.graciliformis, N. sphaerocephala, N.vermiculata, N.blowiana, sp.n.

Sprague, T.A.
The herbal of Otto Brunfels. Journ. Linn. Soc. Bot. 48: 79-124. D.1928. no.320.

Journ. N.Y. Bot. Gard.

Boynton, K.R.
The chocolate tree fruiting under glass. Journ. N.Y. Bot. Gard. 29: 306. illus. D.1928. no.348.

Waite, W.H.
Growing dahlias from seed. Journ. N.Y. Bot. Gard. 29: 297-299. D.1928. no.348.

Journ. Roy. Micr. Soc. (London)

Carter, K. M.
A contribution to the cytology of the ovule of Orobanche minor. Journ. Roy. Micr. Soc. III, 48: 389-403. illus., 6 pl. D.1928. no.4.

Kranke Pflanze (Dresden)

Kaven, G.

Pflanzenschutzliches im gartenbau. Kranke Pflanze. 5: 200-202. D.1928. no.12.

Landbouwk. Tijdschr. Maanbl. Nederl. Genootsch. Landbouwwetensch. (Amsterdam)

Band, P.

Invloed van de grondsoort op het pootgoed bij aardappelen. Landbouwk. Tijdschr. Maandbl. Nederl. Genootsch. Landbouwwetensch. 40: 647-651. N. 1928. no.483. (Extra-no.)

Botjes, J.O.

Iets omtrent de beteekenis van enkele aardappelziekten en vooral van het lichtmozaiek bij verschillende rassen. Landbouwk. Tijdschr. Maandbl. Nederl. Genootsch. Landbouwwetensch. 40: 687-692. N.1928 no. 483 (Extra-no.)

Braak, C.

Voorspeeling van de aardappelziekte in verband met meteorologische factoren. Landbouwk. Tijdschr. Maandbl. Nederl. Genootsch. Landbouwwetensch. 40: 628-630. N.1928. no.483.(Extra-no.)

Bruyn, H.L.G. de.

De vatbaarheid van de aardappelplant voor de Phytophthoraziekte en haar bestrijding. Landbouwk. Tijdschr. Maandbl. Nederl. Genootsch. Landbouwwetensch. 40: 613-627. N.1928. no.483 (Extra-no.)

Kok, J.

Eenige ervaringen met kalibemesting bij aardappels in de veenkolonien. Landbouwk. Tijdschr. Maandbl. Nederl. Genootsch. Landbouwwetensch. 40: 651-659. N.1928. no.483 (Extra-no.)

Mayer Gmelin, H.

Een en ander over de korrelkleur bij onze granen. Landbouwk. Tijdschr. Maandbl. Nederl. Landbouwwetensch. 40: 742-760. D.1928. no.485.

Sprenger, A.M.

Zelfsteriliteit en kruisbevruchting van eenige kersensoorten in Zeeland (cont.) Landbouwk. Tijdschr. Maandbl. Nederl. Genootsch. Landbouwwetensch. 40: 737-741. D.1928. no.485.

Landw. Versuchsst. (Berlin)

König, F. & König, M.
Joseph König, sein leben und seine arbeit. Zur erinnerung an seinen 85. geburststag am 15. Nov. 1928. Landw. Versuchsst. 108 (Ergänzungsb.) 292 p. illus., plates (port.) 1928.
Verzeichnis des schrifttums: p.274-284.

Maine Naturalist (Augusta, Me.)

Pitman, E.M.
A partial list of mosses found in Winthrop, Maine. Maine Naturalist. 8: 131-132. D.1928. no.4.

Pitman, H.
Notes on some of the lichens and hepatics of Winthrop, Maine. Maine Naturalist. 8: 133-134. D.1928. no.4.

Whelden, R.M.
Observations on the red alga Dumontia filiformis. Maine Naturalist. 8: 121-130. illus. D.1928. no.4.

Matieres Grass. (Paris)

Pieraerts, J.
Contribution a l'étude chimique des Malvales V. A propos des constantes de l'huile d'Althaea rosea Coe. Matieres Grass. 20: 8363. D.15, 1928. no.248.

Mem. Coll.Agr. Kyoto Imp. Univ.

Abe, T.
Studies on a new disease of Celosia cristata caused by Fusarium celosiae n.sp. Mem. Coll. Agr. Kyoto Imp. Univ. 7: 51-64. pl.vi-vii. N.1928.

Hemmi, T. & Yokogi, K.
Experimental studies on the pathogenicity of certain fungi on rice seedlings. Mem. Coll. Agr. Kyoto Imp. Univ. 7: 1-22. pl.i-ii. N.1928.

Hemmi, T. & Endo, S.
On a staining method for testing the viability of sclerotia of fungi. Mem. Coll. Agr. Kyoto Imp. Univ. 7: 39-49. pl.v. N.1928.

Mem. Coll. Agr. Kyoto Imp. Univ. (cont.)

Seto, F.

The reactions of rice seedlings to infection of the causal fungus of the "bakanae" disease and to filtrates of its cultures. Mem. Coll. Age. Kyoto Imp. Univ. 7: 23-38. pl. iii-iv. N. 1928.

Lisea fujikuroi considered the ascigerous stage of the causal fungus.

Mid-Pacific Mag.

Bergman, H.F.

Some problems relating to a botanical survey and ways in which the Botanical society may aid in their solution. Mid-Pacific Mag. 3: 9-15. Ja./Mr.1929. no.1.

Bryan, E.H. jr.

The background of Hawaiian botany. Mid-Pacific Mag. 37: 33-40. illus. Ja.1929. no.1.

Darrow, G.M.

The strawberry - a gift of the Pacific. Mid-Pacific Mag. 37: 27-32. illus. Ja. 1929. no.1.

Shear, C.L.

Plant pathology. Mid-Pacific Mag. 37: 3-10. illus. port. Ja. 1929. no. 1.

Mitt. Ges. Vorratssch. Berlin-Steglitz.

Pape, H.

Die fäulnis des frischen obstes auf dem winterlager und ihre verhütung. Mitt. Ges. Vorratssch. Berlin-Steglitz. 4: 71-74. N.1928. no.6.

Nat. Hort. Mag. (Wash., D.C.)

Traub, H.

The development of American horticultural literature, chiefly between 1800 and 1850 II. Nat. Hort. Mag. 8: 7-17. port. Ja.1929. no.1.

Nature (London)

Matthews, L.H. & Hamilton, J.E.

Plant growth in Cheddar cave. Nature. 122: 962. D.22,1928. no.3086.

Nature Mag. (Washington, D.C.)

Lake, M.D.
Bluebonnets - they're Texas. Nature Mag. 13: 91-92. illus. F.1929. no.2.
Lupinus subcarnosus.

Morrell, F.
Stone forests of the Gallatin where mighty ruins hint of a glorious past. Nature Mag. 13: 105-106. illus. F.1929. no.2.

Naturforsch. (Berlin)

Fischer, H.
Zur verbreitungsgeschichte von Chaerophyllum aromaticum L. besiedelung neuartiger standorte. Naturforsch. 5: 406-407. D.1928. no.9.

Seide, J.
Periodizität und rhythmus in den lebensvorgängen von tier und pflanze. Naturforsch. 5: 394-398. D.1928. no. 9.

N.Y. State Mus. Handbook.

Taylor, N.
The vegetation of the Allegany state park. N.Y. State Mus. Handbook 5. 126 p. illus. 1928.
Reprinted as Contr. Brooklyn Bot. Gard. no.54.

Nuovi Ann. Agr. Min. Econ. Naz. Italy.

Crescini, F.
Sulla germinazione del grano a bassa temperatura. Nuovi Ann. Agr. Min. Econ. Naz. Italy. 8: 41-48. Je.1928. no.1/2.

Milan, A.
Contributo allo studio della biologia di Tilletia tritici e Tilletia laevis. Nuovi Ann. Agr. Min. Econ. Naz. Italy. 8: 3-24. Je.1928. no.1/2.

Morani, V.
Ricerche sull'olio essenziale di "Salvia officinalis L." Nuovi Ann. Agr. Min. Econ. Naz. Italy. 8: 25-40. Je. 1928. no.1/2.

Ohio Journ. Sci. (Columbus)

Anderson, D.B.
Some recent work on the structure of the plant cell wall. Ohio Journ. Sci. 28: 299-314. illus. N.1928. no.6.

Ohio Journ. Sci. (cont.)

Schaffner, J.H.
The general course of evolution in the plant kingdom. Ohio Journ. Sci. 28: 277-291. N. 1928. no.6.
1. Studies in determinate evolution.

Orchid Rev. (Richmond, England)

Smith, J. J.
The Oxyglossum section of Dendrobium. Orchid Rev. 37: 9-10. Ja.1929. no.427.

Laycock, J.
Concerning two Vandas. Orchid Rev. 37: 5-6. Ja. 1929. no.427.
Vanda dearei, Vanda L., the latter an arboreal species which appears to be new to the Malay Penin. & may be altogether new.

Philipp. Agr. (Los Banos)

Fandino, J.B.F.
A study on the growth of coconut. Philipp. Agr. 17: 361-365. D.1928. no.7.

Peralta, F.de.
Third list of cyanophoric plants of Maquiling region. Philipp. Agr. 17: 333-335. D.1928. no.7.

Philipp. Journ. Sci. (Manila)

Maranon, J.M.
Total alkaloids of Datura fastuosa Linnaeus and Datura alba Nees from the Philippines. Philipp. Journ. Sci. 37: 251-260. N.1928. no.3.

Phytopath. (Lancaster, Pa.)

Craigie, J.H.
On the occurrence of pycnia and aecia in certain rust fungi. Phytopath. 18: 1005-1015. illus. D.1928. no. 12.

Guterman, C.E.F.
A preliminary report on mechanical transmission of the mosaic of Lilium auratum. Phytopath. 18: 1025-1026. D.1928. no.12.

Hanna, W.F.
A simple apparatus for isolating single spores. Phytopath. 18: 1017-1021. illus. D.1928. no.12.

Phytopath. (cont.)

Lee, H.A. & Martin, J.P.
Oxidising agents in sulphur to increase fungicidal activity. Phytopath. 18: 1026-1027. D.1928. no.12.

McCubbin, W.A.
Permanent mounts of white pine blister rust aecia. Phytopath. 18: 1029. D.1928. no.12.

Rodenhiser, H.A.
Physiologic specialization in some cereal smuts. Phytopath. 18: 955-1003. illus. D.1928. no.12.

Stair, E.C., Brown, H.D. & Hienton, T.E.
Forced ventilation as a means of controlling tomato Cladosporium and Septoria in hotbeds. Phytopath. 18: 1027-1029. illus. D.1928. no.12.

Planta,Arch. Wiss. Bot. (Berlin)

Guttenberg, H.von.
F.A. Preisings untersuchungen über den kohlenhydratstoffwechsel immergrüner blätter im laufe eines jahres. Planta, Arch. Wiss. Bot. 6: 801-808. D.1928. no.5.

Guttenberg, H.von.
H. Weidlichs Versuche über die bewegungsmechanik der variationsgelenke. Planta, Arch. Wiss. Bot. 6: 790-800. D.1928. no.5.

Haase-Bessell, G.
Karyologische untersuchungen an Anthurium andraeanum, A. scherzerianum und A.magnificum. Planta, Arch. Wiss. Bot. 6: 767-789. illus. D. 1928. no.5.

Smirnow, A.I., Erygin, P.S., Drboglaw, M.A. & Maschkowzew, M.Th.
Ueber die biochemischen eigentümlichkeiten des alterns der laubblätter. Planta, Arch. Wiss. Bot. 6: 687-766. D.1928. no.5.

Prakt. Blätt. Pflanzenb. u. Pflanzensch. (Freising)

Böning, K.
Die wildfeuerkrankheit des tabaks. Prakt. Blätt. Pflanzenb. u. Pflanzensch. 28: 210-214. D. 1928. no.9.

Prakt. Blätt. Pflanzenb. u. Pflanzensch. (cont.)
Korff, G. & Böning, K.
Bericht über das auftreten von krankheiten und schädlingen an landwirtschaftl. kulturpflanzen im Oktober und November 1928 (cont.) Prakt. Blätt. Pflanzenb. u. Pflanzensch. 28: 218-223. D.1928. no. 9.

Proc. Univ. Durham Phil. Soc.
Jorgensen, O.M.
The plankton of the River Tyne estuary. Proc. Univ. Durham Phil. Soc. 8: 41-54. 1928. no.1.

Progr. Agr. & Vitic. (Montpellier)
Degrully, L. & Ravaz, L.
M.Georges Couderc. Progr. Agr.et Vitic. 90: 587. D.16,1928. no.51.

[Publ.] Estac. Agron. Moca (Santo Domingo)
Ciferri, R.
Dr. Romualdo González Fragoso (1862-1928) [Publ.] Estac. Agron. Moca (Santo Domingo) Ser.B. Bot. no.12. 17 p. N.1928.
Publicaciones del Dr. Romualdo Gonzalez Fragoso: p.10-17.

Gonzalez Fragoso, R. & Ciferri, R.
Hongos parasitos Y saprofitos de la Republica Dominicana 11a-15a. [Publ.] Estac. Agron. Moca (Santo Domingo) Ser.B. Bot. no. 11. 79 p. illus. S.1928.

Repert. Spec. Nov. Fedde. (Berlin)
Bornmüller, J.
Ergebnis einer botanischen reise nach Griechenland im jahre 1926 (Zante, Cephalonia, Achaia, Phokis, Ætolien). Repert. Spec. Nov. Fedde. 25(Repert. Europ. et Med. 2:241-283): 161-203. N. 1928. no.7/13.

Novák, F.A.
Dianthi fimbriati europaei II. Repert. Spec. Nov. Fedde. 25(Repert. Europ. et Med. 2: 284-288): 204-208. N.1928. no.7/13.

Papp, C.
Monographie der südamerikanischen arten der gattung Melica L. Repert. Spec. Nov. Fedde. 25: 97-160. pl.xlv-lviii. N.1928. no.7/13.

Rev. Bot. Appl. (Paris)
Esteve, M.L.
Quelques plantes fourrageres au Bresil.
Rev. Bot. Appl. 8: 749-755. N.1928. no.87.
Melinis minutiflora (common names: capim gordura, capim melado, catingneiro)

Rev. Hort. Algerie (Alger)
Joessel, P.H.
Quelques maladies du pecher et de l'abricotier dans la région rhodanienne. Rev. Hort. Algérie. 32: 236-243. N.1928. no.11.

Rhodesia Agr. Jour. (Salisbury)
Hopkins, J.C.F.
Preliminary experiments on the control of white mould of tobacco. Rhodesia Agr. Journ. 25: 1342-1348. D.1928. no.12.
Erysiphe cichoracearum.

Roczn. Nauk Rolnicz. i Leśn. (Polish Agr. & For. Ann.) (Poznań)
Chrzaszcz, T. & Suchodolski, J.
Oznaczenie skrobi w zbożu metoda pośrednia. (Indirekte bestimmung des stärkewertes im getreide). Roczn. Nauk Rolnicz. Leśn. (Polish Agr. & For. Ann.) 20: 229-236. 1928. no.2.
German summary:p.235-236.

Sächsisch. Gärtnerbl.
Laubert, R.
Die wichtigsten krankheiten der gurken unter glas. Sachsisch. Gartnerbl. 9: 15-18. Ja. 1,1929. no.1.

Schwiz. Zeitschr. Obst- u. Weinb. (Wädensvil)
Erni, W.
Versuche über berschiebung der ersten bespritzung nach blütenblattfall, insbesondere im hinblick auf die bekämpfung des schorfes, der schrotschutz-krankheit und der tierischen schädlinge. Schweiz. Zeitschr. Obst. u. Weinbau. 37: 463-469. illus. D.1928. no.26.

Osterwalder, A.
Schorfbekämpfungsversuche mit schwefelkalkbrühe und verschiedenen zusätzen. Schweiz. Zeitschr. Obst. u. Weinbau. 37: 446-454. D.1928. no.26.

Schweiz. Zeitschr. Obst- u. Weinb. (cont.)
Osterwalder, A.
Die verwendung 5°/°iger schwefelkalkbrühe (1:20) bei der schorfbekämpfung im sommer. - Günstige wirkungen gegen den schorf von bespritzungen mit schwefelkalkbrühe bei knospenaufbruch oder vor dem oeffnen der blüten. Schweiz. Zeitschr. Obst. u Weinbau. 37: 469-473. D.1928. no.26.

Science. (Lancaster, Pa.)
Eyster, W.H.
Variation in size of plastids in genetic strains of Zea mays. Science. 69: 48. Ja.11,1929. no.1776.

Scient. Agr. (Ottawa)
Kirk, L.E.
Natural crossing between white flowered and yellow flowered sweet clover. Scient. Agr. 9: 313-315. Ja. 1929. no.5.

Soil Sci. (Baltimore)
Heck, A.F.
A study of the nature of the nitrogenous compounds in fungous tissue and their decomposition in the soil. Soil Science. 27: 1-46. pl. 1. Ja. 1929. no. 1.

Skeen, J.R.
The tolerance limit of seedlings for aluminum and iron and the antagonism of calcium. Soil Science. 27: 69-80. Ja.1929. no. 1.

South African Gard. (Johannesburg)
Bolus, L.
Dod's Staavia, Diamond eyes (Staavia dodii, Bolus) South African Gard. 18: 364. col.pl. D.1928. no.12.

Bolus, L.
South African succulents: Mesembrianthemem and allied genera. Stomatum, Schwantes and Rhinephyllum, N.E.Br. South African Gard. 18: 370-371, illus. D.1928. no.12.

Special Crops (Skaneateles, N.Y.)
Whetzel, H.H.
The Ramularia rust of ginseng. Special Crops. 27: 326-330. D.1928. no.316.

Svenska Skogsvardsforen. Tidskr. (Journ. Swedish For. Soc.)
Ekbon, O.
Bidrag till kännedomen om bleckningsskador pa gran. (Contribution towards a comprehension of blaze-damage in spruce.). Svenska Skogsvardsfören. Tidskr. (Journ. Swedish For. Soc.) 26: 659-684. illus. 1928.
English summary: p.683-684.

Johansson, N. & Stalfelt, M.G.
Die stomatäre beeinflussung der kohlensäure-assimilation der fichte. Svenska Skogsvards-fören. Tidskr. (Journ. Swedish For. Soc.) 26:814-817. 1928. no.3/4.

Klason, P.
Om akroleingruppen i växternas lignin (Ueber die akroleingruppe in dem lignin der pflanzen) Svenska Skogsvarddfören. Tidskr. (Journ. Swedish For. Soc.) 26: 914-921. 1928. no.3/4.

Lagerberg, T.
Rötskador a barrvirke i vatten (Rot-damages to coniferous timber in water). Svenska Skogsvards-fören. Tidskr. (Journ. Swedish For. Soc.) 26: 617-658. illus. 1928. no.3/4.
English summary: p.656-58.

Stalfelt, M.G.
Die physiologisch-ökologischen bedingungen der stomatären diffusionskapazität. Svenska Skogs-vardsfören. Tidskr. (Journ. Swedish For. Soc.) 26: 818-845. 1928. no.3/4.
Picea excelsa, Pinus silvestris.

Tasmanian Fruitgrow. & Farm. (Franklin, Tasm.)
Thomas, P.H.
Tree surgery. Tasmanian Fruitgrow. & Farmer. 14(160): 12-13. illus. D.1928.

Trudy Prikl. Bot. Gen. i Selek. (Bull. Appl.Bot. Gen. & Plant Breed.) (Leningrad)
Sinskaja, E.N.
... The oleiferous plants and root crops of the family Cruciferae. Trudy Prikl. Bot., Gen.i Sel.(Bull.Appl.Bot., Gen. & Plant Breed.) v.19, no.3. 648 p. illus., xv col. pl. 1928.
Russian with English summary.

U.S. Dept. Agr. Farm. Bull.
Harter, L.L.
Sweet-potato diseases. U.S. Dept. Agr. Farm. Bull. 1059. 23 p. illus. N.1928.
Issued O.1919, Rev. N.1928.

Univ. Calif. Publ. Bot. (Berkeley, Cal.)
Babcock, E.B.
New species of Crepis from southern Asia. Univ. Calif. Publ. Bot. 14: 323-333. D.1928. no.13.

Belling, J.
Contraction of chromosomes during maturation divisions in Lilium and other plants. Univ. Calif. Publ. Bot. 14: 335-343. illus. D.1928. No.14.

Vict. Nat. (Melbourne)
Nicholls, W.H.
A new Victorian greenhood. Pterostylis woollsii, Fitzg. Vict. Nat. 45: 223-224. pl.viii. D.1928. no.8.

Vidler, E.A.
Dr. George Bennett. Vict. Nat. 45: 207-208. pl. vii(port.) D.1928. no.8.

Williamson, H.B.
The lilies of Victoria (cont.) Vict. Nat. 45: 218-222. illus. D.1928. no. 8.

Visnik Kiivsk. Bot. Sadu (Bull. Jard. Bot. Kieff)
Bordzilovski, E.
Contributiones ad floram Caucasi novae. Visnik Kiivsk. Bot. Sadu (Bull. Jard. Bot. Kieff) 7/8: 3-24. illus. 1928.
Ukrainian with German summary and Latin diagnosis of new species and varieties.

Gizhitska, Z.
Fungi novi vel rari pro flora mycologica. Visnik Kiivsk. Bot. Sadu (Bull. Jard. Bot. Kieff) 7/8: 78-79. illus. 1928.
Diplodia ligusticola sp.n., Colletotrichum padi var. amygdali nanae.

Visnik Kiivsk. Bot. Sadu. (Bull. Jard. Bot. Kieff) (cont.)

Kleopov, Iu.
... Ueber die sebständigkeit als art der Daphne julia K.-Pol. Visnik Kiivsk. Bot. Sadu (Bull. Jard. Bot. Kieff) 7/8: 74-77 1928.
Ukrainian with German summary.
D. julia only an ecological variety of D. cneorum.

Modilevski, J.
Die embryologische entwicklung von Thesium intermedium. Visnik Kiivsk. Bot. Sadu (Bull. Jard. Bot. Kieff) 7/8: 65-70. pl. 1928.

Modilevski, J.
Weitere beiträge zur embryologie und cytologie von Allium-arten. Visnik Kiivsk. Bot. Sadu (Bull. Jard. Bot. Kieff) 7/8: 57-64. pl. 1928.

Moissejeva, M.
... Zur frage nach der wuchshormonen des getreides. Visnik Kiivsk. Bot. Sadi (Bull. Jard. Bot. Kieff.) 7/8: 36-51. illus. 1928.
Ukranian with German summary.

Oksner, A.M.
... Neue für die Ukraine flechtenarten. Visnik Kiivsk. Bot. Sadu (Bull. Jard. Bot. Kieff) 7/8: 71-73. 1928.
Ukranian with German summary.

Persidsky, D.
... Polar structure in the cells of a root's growth-zones. Visnik Kiivsk. Bot. Sadu (Bull. Jard. Bot. Kieff) 7/8:52-56. pl. 1928.
Ukranian with English summary.

Sokolovsky, O.
... Interesting cases of abnormality in clovers(Trifolium). Visnik Kiivsk. Bot. Sadu (Bull. Jard. Bot. Kieff) 7/8: 112-117. illus. 1928.
Ukranian with English summary.

Visnik Kiivsk. Bot. Sadu. (Bull. Jard. Bot. Kieff) (cont.)
Sokolovsky, O.
... New forms of Trifolium pratense. Visnik. Kiivsk. Bot. Sadu. (Bull. Jard. Bot. Kieff) 7/8: 118-119. 1928.
Trifolium pratense turkestanicum subsp. nova., T.pratense cretaceum var. nova.
Ukrainian with Latin diagnosis.

Svirenko, D.
... Sur les algues de l'Ingoul. Visnik Kiivsk. Bot. Sadu (Bull. Jard. Bot. Kieff) 7/8: 80-111. 1928.
Ukrainian.

Wisconsin Hort. (Madison)
Riker, A. J.
Simple control for crowngall and root-knot found. Wisconsin Hort. 19: 139. Ja.1929. no.5.
Abstract of paper before Amer. Phytopath. Soc., N.Y., D.31,1928.

Zapiski Gosudarstv. Nikitsk. Bot. Sad. (Journ. Gov. Bot. Gard. Nikita) (Ialta)
Kostina, K.F.
... Self pollination of fruit trees. Zapiski Gosudarstv. Nikitsk. Bot. Sad. (Journ. Gov. Bot. Gard. Nikita) v.10, no.1. 86 p. illus. 1928.
Russian with English summary.

Zeitschr. Angew. Chem. (Leipzig)
Stock, A. & Zimmermann, W.
Geht quecksilber aus saatgut-beizmitteln in das geerntete korn und in das mehl über? Zeitschr. Angew. Chem. 41: 1336-1337. D.22,1928. no.51.

Zhurn. Opytn. Agron. Iugo-Vost.(Journ. Exp.Landw. Südost. Eur.-Russl.) (Saratov)
Novikov, V.A.
... Investigations on the cold-resistance of plants. Zhurn. Opytn. Agron. Iugo-Vost. (Journ. Exp.Landw. Südost. Eur. Russl.) 6: 71-100. 1928. no.1.
Russian with English summary.

Sukhorukov, K. T.
... Alkaloid content of Atropa and Datura growing under the conditions of Nijnee Powoljie. Zhurn. Opytn. Agron. Jugo-Vost. (Journ. Exp. Landw. Südost. Eur.-Russl.) 6: 107-127. 1928.
Russian with English summary,

Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie)

Busch, N.A.

... Sur un nouveau genre de crucifères [Pseudocamelina]. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie). 13: 113-115. illus. 1928. no.1/2.

Segregated from genus Cochlearia.

Russian with Latin diagnosis.

Černjavsky, P.

... Anabiosis of the Ramondia nathaliae Panc.-Petr. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie). 13: 27-38. illus. 1928.

Russian with English summary.

Cholodnyi, N.G.

... Contributions to the hormonal theory of tropisms. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie). 13: 191-206. illus. 1928. no.1/2.

Russian with English summary.

Cholodnyi, N.

... On the apparent anomaly in the growth of the roots of Lupinus albus. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 13: 207-212. 1928. no.1/2.

Russian with English summary.

Gurwitsch, A.

... Einige probleme der mitogenetischen strahlung. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie). 13: 179-189. 1928. no.1/2.

Russian with German summary.

Keller, B. A.

... Probleme der botanischen erforschung der wüsten u. salzböden. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 13: 167-177. 1928.

Russian.

Levitsky, G. A.

... Experimentally induced translocation of chromosomones from one cell to another. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 13: 19-25. illus. 1928. no.1/2.

Russian with English summary.

Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) (cont.)

Lilienstern, M.

... Recherches physiologiques sur Cuscuta monogyna Vahl. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 13: 97-108. illus. 1928. no.1/2.

Russian with French résumé.

Magitt, M. & Magitt, E.

... Contributions à l'anatomie du cotonnier I. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 13: 155-165. illus. 1928.

Russian with French résumé.

I. Le sort du nucléole au cours de la cariokinèse somatique.

Nadson, G.A. & Philippov, G.

... De la formation de nouvelles races stables chez les champignons inférieurs sous l'influence des rayons X. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 13: 221-239. 1928.

Russian with French résumé.

1. Mucos & Zygorhynchus. 2. Sporobolomyces & Nadsonia.

Navashin, S.G.

... Serges Gabriel Navachine. Autobiographie. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 13: 7-18. illus. (port.) port. 1928.

Russian.

List of publications: p.15-18.

Palibin, I.V.

... Saussurea dorogostaiskii sp.n. [from northern Mongolia. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 13: 109-111. illus. 1928. no.1/2.

Russian with Latin diagnosis.

Poplavskaja, G.I.

... Ueber die birke der Krim. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 13: 65-95. 1928. no.1/2.

Russian with German summary.

Rischkov, V., Shapiro, S. & Bulanova, M.

... Ueber die verbreitung des chlorophylls in der epidermis der dikotyledonen. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 13: 141-154. 1928. no.1/2.

Russian with German summary.

Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) (cont.)

Saposhnikova, K.V.
... Physiologische untersuchungen an arthybriden des weizens. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 13: 213-220. 1928. no.1/2.
Russian with German summary.

Smirnov, P.P., Poliakova, T.N. & Krotov, P.Vl.
... L'influence des électrolytes sur l'exosmose du pigment des bulbes d'oignon. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 13: 49-64. 1928. no.1/2.
Russian with French résumé.

Smirnov, P.P. & Krasichkova, M.P.
... Ueber die zusammenwirkung der säuren und neutralsalzen auf das plasma (v.m.) Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 13: 136-140. 1928. no.1/2.
Russian with German summary.
Allium cepa.

Tausson, W.O.
... Zur frage über die oxydation der wächse durch mikroorganismen. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 13: 39-48. 1928. no.1/2.

Vasil'ev, I.M.
... Ueber die regulierende tätigkeit der pflanzen bei der transpiration. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 13: 117-134. 1928. no.1/2.
Russian with German summary.
With reference to wheat.

Exper. Stat. Publ.

Kemp, W.B. & Metzger, J.E.
Environmental factors influencing wheat production in Maryland. Maryland Agr. Exp. Stat. Bull. 297: 125-173. Jl.1928.

Nightingale, G.T. & Schermerhorn, L.G.
Nitrate assimilation by asparagus in the absence of light. New Jersey Agr. Exp. Stat. Bull. 476. 24 p. D.1928.

Exper. Stat. Publ. (cont.)

Taubenhaus, J.J., Ezekiel, W.N. & Killough, D.T.
Relation of cotton root rot and Fusarium wilt to the acidity and alkalinity of the soil.
Texas Agr. Exp. Stat. Bull. 389. 19 p. N.1928.

New Books.

Blatter, E.
Beautiful flowers of Kashmir. v. 2. London John Bale Sons, 1929.

Bresadola, G.
Iconographia mycologia... v.7. Mediolani, 1928.

Bonnier, G. & Douin, R.
Flore complète illustrée... v.10, fasc. 97. col.pl. 577-582. Paris, 1928.

Clements, E. S.
Flowers of coast and Sierra. N.Y., H.W. Wilson company, 1928.
Plates are the same as those which appeared with her "Wild flowers of the west" in the Nat.Geogr. Mag. of May 1927; the text contains much of the same material, tho more extensive.

Clute, W.N.
The fern alliesof North America north of Mexico. Joliet, Ill., W.N. Clute Co., 1928.

Hannig, E. & Winkler, H.
Die pflanzenzreale.... 2 reihe, heft.2. Jena, G. Fischer, 1928.
Schwartz, O. Die Pontederiaceen - Jaccard, P. & Frey, A. Tilia cordata Miller und Tilia platyphyllos Scop. (unter einschluss von Tilia corinthiaca Bosc. und Tilia rubra DC.)

Ideta, A.
Supplement to Hand-book of the plant diseases. in Japan. 2d ed. vol.1. Tokyo, 1925.

Keller, G. & Schlechter, R.
Monographie und iconographie der orchideen Europas und des mittelmeergebietes... v.1, lfg. 7/8. Dahlem bei Berlin, 1928.(Repert. Spec. Nov. Sonderbeiheft A)

New Books (cont.)

McKelvey, S.D.

The lilac. N.Y., Macmillan, 1928.

History and distribution by E.H.Wilson; Description of the genus and its sections with a key to the species, by A. Rehder; Diseases and insect pests, by W.T. Councilman.

North American flora. v.23, pt.3. Mimosaceae (concl.). by N.L.Britton & J.N.Rose. p. 137-194. D.1928.

Oltmanns, F;

Das pflanzenleben des Schwarzwaldes. 3. aufl. erweitet auf Randen, Hegau und Bodenseegebiet Freiburg im Breisgau, Hrsg. vom Badischen Schwarzwaldverein, 1927. 2.v.

Reprints from Journals not yet rec'd or not available.

Dufrenoy, G.

Études cytologiques de haricots sensibles et de haricots résistants au Colletotrichum lindemuthianum. Reprinted from Rev. Path. Vég. et Entom. Agr. 2 p. 4 pl. Jl./S.1928.

Hemmi, T. & Nojima, T.

Studies on Polyporus orientalis parasitic on the roots of pine trees. Reprinted from Ann. Phytopath. Soc. Japan. 2(2). 19 p. 2 pl. 1928.

Text in Japanese; English résumé; ;. (18)-(19).

Seto, F.

Studies on the "bakanae" disease of the rice plant I- A consideration of the occurrence of the "bakanae" disease and the "bakanae" phenomenon. Reprinted from Ann. Phytopath. Soc. Japan. 2(2). 22 p. illus. 1928.

Caused by a species of Fusarium.

Text in Japanese; English résumé; p.19-20.

Translations filed in Library of Bur. Plant Industry.

Savelli, R.

La canapa monofilla ed il suo luogo d'origine (The monophyllous hemp and its original station) Ital. Agric. 65: 669-706. 1928.

Omitted from regular place.

Amer. Journ. Bot.

Botanical society of America - Physiological Sect.

Abstracts of papers presented before [the meeting at] New York, Dec. 27-29, 1928. Amer. Journ. Bot. 15: 615-633. D.1928 (Rec'd Ja.1929) no.10.

BOTANY
CURRENT LITERATURE

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Vol. 11, no.3. January 21-Feb.2,1929.

Acta Horti Bot. Latv. (Riga)

Galenicks, M.
New localities with fossil Trapa natans in Latvia. Acta Hort. Bot. Latvia. 3: 95-102.
Text in both English and Latvian.

Skuja, H.
Vorarbeiten zu einer algenflora von Lettland IV. Acta Hort. Bot. Latv. 3: 103-218. illus. 4 pl. 1928. no.2/3.
Latvian summary.

Zamelis, A.
Zum blütenbau von Pirola uniflora L. nebst einigen allgemeinen bemerkungen über die knospendeckung aktinomorpher blüten. Acta Hort. Bot. Latvia. 3: 219-230. illus. 1928. no.2/3.
Latvian summary.

Actes 1. Conf. Intern. Blé. Rome.

Dreger, W.
La lutte contre les maladies et les insectes. Actes 1. Conf. Intern. Blé, Rome. 1927. p.297-299. 1928.

Jablonowski, J.
Les ennemis des cereales en Hongorie. Actes 1.Conf. Intern. Blé. Rome, 1927. p.300-306. 1928.

Köck, G.
Parasitäre schädlinge des weizens. Actes 1. Conf. Intern. Blé. Rome, 1927. p.288-290. 1928.

Rabaté, E.
Emploi de l'acide sulfurique contre les mauvaises herbes et contre certains parasites des cultures de blé. Actes 1.Conf. Intern.Blé. Rome, 1927. p.311-318. pl. 1928.
Against "le piétin de blé"

Vavilov, N.
Les centres mondiaux des genes du blé. Actes 1. Conf. Intern. Blé. Rome. 1927. p.368-376. 1928.

Agr. Journ. Brit. Guiana.

Abraham, A.A.
Palm features of the botanic gardens. Agr. Journ. Brit. Guiana. 1: 231-235. pl. xv-xviii. D.1928. no.4.

Ashby, S.F.
The bacterial wilt of bananas and plantains. Agr. Journ. Brit. Guiana. 1: 217-220. pl. xi-xiv. D.1928. no.4.

Amer. Bot. (Joliet, Ill.)

Clute, W.N.
Botanical essays XI-XIII (Desert vegetation - Flowers of Autumn - Plant partnerships. Amer. Bot. v.35, no.1, suppl. p.49-64. Ja.1929. no.1.

[Clute, W.N.]
Death of Albert Schneider. Amer. Bot. 35: 24. Ja.1929. no.1.

[Clute, W.N.]
Dehiscence in Campanula. Amer. Bot. 35: 23-24. Ja.1929. no.1.

[Clute, W.N.]
Globe mallow in Illinois. Amer.Bot. 35: 20-22. Ja.1929. no.1.
Phrymosa remota.

Clute, W.N.
The meaning of plant names XXXVII. Asteraceae 3. Amer. Bot. 35: 8-12. Ja.1929. no. 1.

Stevens, O.A.
Wildflowers from northeastern Kansas. Amer. Bot. 35: 1-5. illus. Ja.1929. no.1.

Amer. For. & For. Life. (Wash., D.C.)

Borah, A.
Trees of the Bible III. The date palm and the pomegranate. Amer. For. Life. 35: 89-92, 128. illus. F.1929. no.2.

Amer. For. & For. Life. (cont.)

Chesnut, A.

A little friend of the trees. Amer. For. & For.Life. 35: 83-84. illus. F.1929. no.2.

Pachysandra terminalis (Japanese spurge) a cover for bare spots made by shade of trees.

Sackett, F.M.

The Abraham Lincoln National park. Amer. For. & For.Life. 35: 101. illus. F.1929. no.2.

Ann. Rep. Dept. Agr. Brit.Columbia.

Eastham, J.W.

Report of provincial plant pathologist. Ann. Rep. Dept. Agr. Brit.Columbia. 22(1927): Q 34-Q37. 1928.

Arch. Suikerind. Nederl. Indie (Soerabaja)

Posthumus, O.

De rietveredeling aan het Proefstation voor de Java-Suikerindustries te Pasoeroean. Overzicht over 1926 tot en met 1928. Arch. Suikerind. Ned. Indië. v.36, pt.3 (Meded. Proefstat.Java-Suikerind. 1928, no.21) p.991-1022. 1928.

Booberg, G.

De red-stripe disease. Arch. Suikerind. Ned. Indië. 36(2): 1246-1250. D.1928. no.51.

Korte Meded. Proefsta. Java-Suikerind. 1928, no.22.

Atti R.Accad. Lincei VI, Rend. Cl. Sci. Fis. Mat. e Nat. (Rome)

Caro, L.d.

Energia di cresenza dello "Sterigmatocistis nigra". Atti R. Accad. Naz. Lincei VI. Rend. Cl.Sci. Fis., Mat. e Nat. 8: 258-263. 1928. no.5/6.

Ber. Deut. Bot. Ges. (Berlin)

Helwig, B.

Ueber die frage der heterorhizie bei radix valerianae officinalis. Ber. Deut. Bot. Ges. 46: 595-609. pl.xix. D.1928. no.9.

Huber, B.

Zur physik der spaltoffnungstranspiration I-II. Ber.Deut. Bot. Ges. 46: 610-620, 621-625. D.1928. no.9.

I.Das maximale diffusionsvermögen von porenmembranen. II.Die abhängigkeit der verdunstungsgrösse von der porendichte.

Ber.Deut.Bot. Ges. (cont.)

Lepeschkin, W.W.
Der thermische effekt des todes. Ber.Deut. Bot.Ges. 46: 591-593. D.1928. no.9.

Lingelsheim, A.v.
Cumarin bei der gattung Rudbeckia. Ber. Deut. Bot. Ges. 46: 593-594. D. 1928. no.9.

Schmidt, O.C.
Ueber monözie und diözie in der chlorophyceen-gattung Codium Stackh. Ber. Deut. Bot. Ges. 46: 625-630. illus. D.1928. no.9.

Better Homes & Gard. (Des Moines, Ia.)

McReynolds, W.D.
Hardy vines we all should know. Better Homes & Gard. 7(6): 34-35, 93-94. illus. F.1929.

Bienn. Rep. Kansas State Hort. Soc.

Elmer, O.H.
Some diseases of the peach. Bienn. Rep.Kansas State Hort. Soc. 39: 77-83. 1928.

Graves, C.E.
The spindle tuber disease in Irish potatoes. Bienn. Rep. Kansas State Hort. Soc. 39: 146-148. 1928.

Biochem. Zeitschr. (Berlin)

Fischer, F. & Lieske, R.
Untersuchungen über das verhalten des lignins bei der natürlichen zersetzung von pflanzen. Biochem. Zeitschr. 203: 351-362. illus. D.1928. no.1/6.

Hess, K.
Zur frage des aufbaues pflanzlicher membrane. Biochem. Zeitschr. 203: 409-420. illus. D.1928. no.1/6.

Stern, K. & Bunning, E.
Ueber elektromotorische kräfte an pflanzen bei ableitung mit K CL-lösungen verschiedener konzentration. Biochem. Zeitschr. 203: 400-408. D. 1928. no.1/6.

Biol. Zentralbl. (Leipzig)

Correns, C.

Neue untersuchungen an selbststerilen pflanzen I- Biol. Zentralbl. 48: 759-768. illus. 1928. no.12.

I. Tolmiea menziesii.

Moritz, O.

Zur kritik der phytoserologie. Biol. Zentralbl. 48: 431-443. 1928. no.7.

Bol. Patol. Veg. y Entom. Agr. (Madrid)

González de Andrés, C.

Práctica de las pulverizaciones. Bol.Patol. Veg. y Entom. Agr. 3: 31-36. Ja./Je.1928. (Rec'd Ja.1929) no.10/11.

Bot. Arch. (Königsberg)

Küssner, W.

Physiologische untersuchungen über die ernährung von Penicillium glaucum durch fette. Bot.Arch. 23: 197-237. N.1928. no.1/2.

English abstract: p.236.

Risse, K.

Beiträge zur zytologie der dipsacaceen. Bot. Arch. 23: 266-288. illus. N.1928. no.1/2.

English abstract: p.287-288.

Soó, R.v.

Revision der orchideen südosteuropas und südwestasiens. Bot. Arch. 23: 1-196. N.1928. no.1/2.

Steinbruck, A.

Untersuchungen über die beziehung zwischen der bodenlockerung und der wasserverdunstung des bodens. Bot. Arch. 23: 238-265. N.1928. no.1/2.

English abstract: p.264-265.

Bull. Bernice Pauahi Bishop Mus. (Honolulu)

Brown, F.B.H.

Cornaceae and allies in the Marquesas and neighboring Islands. Bull. Bernice Pauahi Bishop Mus. 52. 22 p. illus. 1928.

Lautea stokesiana, L.serrata, n.sp.

Bull. Bernice Pauahi Bishop Mus.(cont.)

Wilder, G.P.
The breadfruit of Tahiti. Bull. Bernice Pauahi Bishop Mus. 50. 83 p. illus., plates. 1928.

Bull. Ohio Biol. Surv.

Braun, E.L.
The vegetation of the mineral springs region of Adams County, Ohio. Bull. Ohio Biol. Surv. 15(v.3, no.5): 376-517. illus. Je. 1928.

Bull. Torr. Club.

Campbell, D.H.
The phylogeny of the angiosperms. Bull. Torrey Bot. Club. 55: 479-497. illus. D.1928. (Ja.23,1929) no.9.

Farr, C.H.
Studies on the growth of root hairs in solutions VIII. Structural and intracellular features of collards in calcium nitrate. Bull. Torrey Bot. Club. 55: 529-553. D.1928 (Ja.23,1929) no.9.

Hein, I.
Studies on morphogenesis in fungous mycelia. Bull. Torrey Bot. Club. 55: 513-528. pl.15. D.1928 (Ja.23,1929) no.9.

Kenyan, F.M.G.
A morphological and cytological study of Ipomoea trifida. Bull. Torrey Bot. Club. 55: 499-512. pl.14. D.1928 (Ja.23,1929) no.9.

Calif. Citrogr. (Los Angeles)

Fawcett, H.S.
Nematospora fungus found in citrus, pomegranate, cotton boll. Calif. Citrogr. 14: 124. F.1929. no.4.

Centralbl. Bakt. Abt.II (Jena)

Carbone, D.
Ueber die aktive immunisierung der pflanzen. Centralbl. Bakt. Abt.II. 76: 428-437. Ja.1929. no.25/26.

Centralbl. Zuckerind. (Magdeburg)
Plaut, M.
Die rübenkrankheiten des jahres 1928. Centralbl. Zuckerind. 37: 39-41. illus. Ja.12, 1929. no.2.

Compt. Rend. Acad. Sci. Paris.
Eftimiu, P.
Sur la karyokinese de Spathularia flavida Fr. ex Pers. Compt. Rend. Acad. Sci. Paris. 188: 267-269. Ja.14, 1929. no.3.

Mazé, P. & Evens, P.
La chlorose des cultures en terrain d'epandage; sa cause et son remede. Compt. Rend. Acad. Sci. Paris. 188: 191-193. Ja.7, 1929. no.2.

Nicolas, G.
Sur un endophyte du Lunularia cruciata (L.) Dumortier. Compt. Rend. Acad.Sci. Paris. 188: 188-189. Ja.7, 1929. no.2.

Compt. Rend.Soc. Biol. Paris.
Petit, A.
Action de certains sels halogénés sur la spore d'une ustilaginée, Tilletia levis. Compt.Rend. Soc. Biol. Paris. 99: 2003-2004. Ja.4, 1929. no.38.

Petit, A.
Le sac embryonnaire et la formation de l' albumen chez le Fumaria officinalis. Compt. Rend. Soc. Biol. Paris. 99: 1961-1963. Ja.4, 1929. no.38.

Simonet, M.
Contribution a l'étude des chromosomes chez le genre Iris. Compt. Rend. Soc. Biol. Paris. 99: 1928-1931. illus. Ja.4, 1929. no.38.

Country Life (Amer.) (Garden City, N.Y.)
Hart, D.W.
Dahlia debutantes. Varieties responsible for the flower's popularity. Country Life.(Amer.) 55(4): 50-51. illus. F.1929.

Empire Cotton Grow. Rev. (London)
Hansford, C.G.
Cotton diseases in Uganda, 1926-1928. Empire Cotton Grow. Rev. 6: 10-26. Ja.1929. no.1.

Empire Cotton Grow. Rev. (cont.)

Methods of selfing cotton flowers. Empire Cotton Grow. Rev. 6: 44-49. Ja.1929. no.1.

Nye, G.W.

Some results obtained from the sulphuric acid treatment of cotton seed. Empire Cotton Grow. Rev. 6: 50-52. Ja. 1929. no.1.

Estate Mag.

Die-back in plums. Estate Mag. 29: 54-56. Ja.1929. no.1.

Florida Grow. (Tampa)

Beisler, W.H.

Possibilities of Florida tung oil. About 400,000 trees are now planted. Florida Grow. 37(2): 14. illus. F.1929.

Flow. Grow. (Calcium, N.Y.)

Bouffioux, M.R.

The Ginkgo tree - ancient and modern. Flow. Grow. 16: 45-48. illus. F.1929. no.2.

McFarland, E.

Curiosities of the flower world. Flow. Grow. 16: 50-51. illus. F.1929. no.2.

Fortschr. Landw. (Vienna)

Buchinger, A.

Die keimung von Oryza sativa zwischen glasstäben. Fortschr. Landw. 4: 46-47. Ja.15, 1929 no.2.

Rogenhofer, E.

Cynosurus echinatus L. als handelsware. Fortschr. Landw. 4: 42-43. illus. Ja.15, 1929. no.2.

Weiser, St. & Szegfy, L.

Wassergehalt des maises vom zeitpunkt des brechens bis zum frühling. Fortschr. Landw. 4: 43-45. Ja.15,1929. no.2.

Gard. Chron.(London)

Anderson, A.W.
Two New Zealand Droseras. Gard. Chron. III, 85: 9. illus. Ja.5, 1929. no.2193.
Drosera arcturi, D.binata.

Brown, N.E.
Mesembryanthemum (cont.) Punctillaria, N.E.Br. Bijlia, N.E.Br. Gard.Chron. III, 85: 34. Ja.12,1929. no.2194.

Darnell, A.W.
The genus Primula (cont.) Gard. Chron. III, 85: 14-15, 34. Ja.5,12, 1929. no.2193-94.

Friend, H.
Plant history in nomenclature (cont.) Tobacco and its derivatives. Gard. Chron. III, 85: 14. Ja.5,1929. no.2193.

Grove, A.
Lilies in 1928. Gard.Chron. III, 85: 30-31. illus. Ja.12, 1929. no.2194.

Redgrove, H.S.
The cultivation and uses of henna. Gard.Chron. III, 85: 13-14. illus. Ja.5, 1929. no.2193.
Lawsonia alba.

Sir William T.Thiselton-Dyer. Gard.Chron. III, 85: 1-2. Ja.5, 1929. no.2193.
Obituary notice.

Worsley, A.
Amaryllis (?) banksiana. Gard.Chron. III, 85: 12. illus. Ja.5, 1929. no.2193.

Worsley, A.
Self-fertile, constant-cropping, and seedling fruit trees. Gard. Chron. III, 85: 31-34. Ja.12, 1929. no.2194.

Yashiroda, K.
Crawfurdia trinervis. Gard. Chron. III, 85: 28. illus. Ja.12,1929. no.2194.

Gartenschönheit. (Berlin)

Correvon,H.
Cyclamen rolfsianum. Gartenschönheit. 9: 497-499. illus. D.1928. no.12.

Gartenw. (Berlin)
Schwantes, G.
Mesembriaceen-studien IV. Gartenw. 33: 25. illus. Ja.11, 1929. no.2.

Unger, A.
Erfahrungen mit den neuen japanischen azaleen. Gartenw. 33: 17-18. illus. Ja.11, 1929. no.2.

Indische Culturen (Soerabaja)
Wellensiek, S.J.
Graanroest-bestrijding met zwavel. Indische Culturen. 13: 1123-1124. D.16, 1928. no.24.

Irish Gard. & Hort. Rev.
Bracken, G.
Notes on the derivation and culture of Pelargoniums (concl.). Irish Gard. & Hort. Rev. 2: 10-11. Ja.1929. no.1.

Reid, P.D.
Pests and diseases of plants. Irish Gard. & Hort. Rev. 2:6. Ja.1929. no.1.

Journ. Agr.Res.
Richards, L.A.
The usefulness of capillary potential to soil-moisture and plant investigators. Journ. Agr.Res. 37: 719-742. illus. D.15, 1928 (Rec'd Ja.29, 1929) no.12.

Journ. Agr. Sud-Ouest. (Toulouse)
Héron, G.
Comparaison entre les cultures de viniferas et d'hybrides. Journ. Agr. Sud-Ouest. 7: 226-234. N.1928. no.83.

Journ. Amer. Pharm.Assoc. (Easton,Pa.)
Miller, E.R.
The alkaloids of Bocconia frutescens L. Journ. Amer. Pharm. Assoc. 18: 12-14. illus. Ja.1929. no.1.

Journ. Amer. Soc. Agron. (Geneva, N.Y.)
Bayles, B.B. & Coffman, F.A.
Effects of dehulling seed and of seeding on germination and smut infection in oats. Journ. Amer. Soc. Agron. 21: 41-51. Ja.1929. no.1.

Journ. Amer. Soc. Agron. (cont.)

Jones, J.W.
Technic of rice hybridization in California. Journ. Amer. Soc. Agron. 21: 35-40. Ja.1929. no. 1.

Kennedy, P.B.
Proliferation in Poa bulbosa. Journ. Amer. Soc. Agron. 21: 80-91. illus. Ja.1929. no.1.

Mangelsdorf, P.C. & Goodsell, S.F.
The relation of seminal roots in corn to yield and various seed, ear and plant characters. Journ. Amer. Soc. Agron. 21: 52-68. Ja.1929. no.1.

Stallings, J.H.
Effect of some seed potato treatments on germination and yield. Journ. Amer. Soc. Agron. 21: 86-79. Ja. 1929. no.1.

Journ. Bot. (London)

Brown, N.E.
Mesembryanthemum and allied genera (cont.) Journ. Bot. 67: 17-20. Ja.1929. no.793.

Druce, G.C.
Scorzonera humilis L. Journ. Bot. 67:26-27. Ja.1929. no.793.

Epling, C.
Notes on the Linnean types of American Labiatae. Journ. Bot. 67: 1-12. Ja.1929. no.793.

Exel, A.W.
Mr. John Gossweiler's plants from Angola and Portuguese Congo. Dicotyledones: Polypetalae (cont.) Journ. Bot. 67: 177-184. Ja.1929. no.793.

Flintoff, R.J.
Andromeda polifolia L. near Goathland, North Yorkshire. Journ. Bot. 67: 24-25. Ja.1929. no.793.

Gepp, A.
Dr. Julius Röll. Journ. Bot. 67: 22. Ja. 1929. no.793.

Price, W.R.
Betula pubescens Ehrh. in Shetland. Journ. Bot. 67: 27-28. Ja. 1929. no.793.

Journ. Bot. (cont.)

Salmon, C.E.
Some British Alchemillas. Journ. Bot. 67: 12-16. Ja.1929. no.793.

Williams, I.A.
A British Veronica hybrid. Journ. Bot. 67: 23-24. Ja.1929. no.793.
Veronica anagallis x V.aquatica.

Journ. Chem.Soc. London.

Sharp, T.M.
The alkaloids of some Indian aconites II. Pseudaconitine. Journ. Chem.Soc. London. 1928: 3094-3106. D.1928.

Journ.Gen. Physiol. (Baltimore, Md.)

Castle, E.S.
Dark adaptation and the light-growth response of Phycomyces. Journ. Gen. Physiol. 12: 391-400. Ja.1929. no.3.

Irwin, M.
Spectrophotometric studies of penetration V. Resemblances between the living cell and an artificial system in absorbing methylene blue and trimethyl thionine. Journ. Gen. Physiol. 12: 407-418. Ja.1929. no.3.
Experiments with Nitella and Valonia.

Osterhout, W.J.V. & Harris, E.S.
The death wave in Nitella II. Applications of unlike solutions. Journ. Gen. Physiol. 12: 355-361. illus. Ja.1929. no.3.

Journ. Inst.Brew. (London)

Salmon, E.S. & Ware, W.M.
The downy mildew of the hop in 1928. Journ. Inst. Brew. 35(n.s.,26): 20-25. pl. i. Ja. 1929. no.1.

Journ. Kew Guild.

Dunk, E.G.
Walter Irving. Journ. Kew Guild. 4: 555. port. 1928. no.35.

Howes, F.N.
"Aburi", the botanic gardens of the Gold Coast. Journ. Kew Guild. 4: 597-603. pl. 1928. no.35.

Journ. N.Y.Bot.Gard.

Bowers, C.G.
The blooming dates for Rhododendrons and Azaleas. Journ. N.Y. Bot.Gard. 30: 18-20. Ja.1929. no.349.

Dr. Sven Johan Enander . Journ. N.Y. Bot. Gard. 30: 23. Ja.1929.
Notice of death.

Dodge, B.O.
Notes on some iris troubles. Journ. N.Y. Bot. Gard. 30: 5-10. illus. Ja.1929. no.349.
Deals mostly with insects and Sclerotium delphinii.

Sinnott, E.W.
The plant life of Australia and New Zealand. Journ. N.Y. Bot. Gard. 30: 11-18. illus. Ja. 1929. no.349.

Journ. Washington Acad. Sci.

Berry, E.W.
An Anacardium in the lower Eocene of Texas. Journ. Washington Acad. Sci. 19: 37-39. illus. Ja.19, 1929. no.2.
Anacardium kirni, n.sp.

Berry, E.W.
The genus Amygdalus in North America. Journ. Washington Acad. Sci. 19: 41-43. illus. Ja.19, 1929. no.2.

Berry, E.W.
Seeds of a new species of Vitaceae from the Wilcox Eocene of Texas. Journ.Washington Acad. Sci. 19: 39-41. illus. Ja.19,1929. no.2.
Ampelocisiites lytlensis, n.gen. &sp.

Kartoffel, Zeitschr. Kartoffelbau. (Berlin)

Böhme, H.
Kann durch chemische mittel die keimung der kartoffeln gehemmt werden? Kartoffel, Zeitschr. Kartoffelbaugellsch. 9: 3-5. Ja.1, 1929. no.1.

Landbouwk. Tijdschr. Maanbl. Nederl. Genootsch. Landbouwwetensch. (Amsterdam)

Lek, H.A.A. van der
Overzicht over eenige oude en nieuwe publicaties betreffende de anatomische structuur in verband met het bewortelingsvermogen. Landbouwk. Tijdschr. Maandbl. Nederl. Genootsch. Landbouwwet. 40:568-580. 1928. no.482.
English summary: p.581-582.

Landw. Jahrb. Schweiz. (Bern)
Müller, H.
Untersuchungen über den blüten- und fruchtansatz unserer obstbäume. Landw. Jahrb. Schweiz. 42: 685-782. illus 1928. no.6.

Lesnická Práce (Pisek, Moravia)
Matvienko-Kikar, S.
Červenání listí stromu v Novém světě (Le rougissement des feuilles des arbres au Nouveau-Monde). Lesnicá Práce. 7: 587-589. 1928. no.12.

Mikyška, R.
Lesní typy na Králové hradecku (Types forestiers de la région de Králové Hradec). Lesnicá Práce. 7: 563-587. 1928. no.12.
French résumé: p.583-587.

Meded. Inst. Plantenz. Dep.Landb. &c. Nederl.Ind.
Goot, P.van der.
Ziekten en plagen der cultuurgewassen in Nederlandsch-Indie in 1927. Meded. Inst. Plantenz. Dep. Landb. Nederl. Ind. 74. 85 p. 1928.

Mem. Dept. Agr. India Bot.Ser.
Patel, M.L. & Patel, G.B.
Studies in the jowars of Gujarat. I. The jowars of the Surat district. Mem. Dept. Agr. India. Bot.Ser. 16: 1-57. pl.i-vi (4 col.) 1928.

Möller's Deut.Gartn.-Zeit.
Frič, A.V.
Der kakteenjäger (cont.) Möllers Deut. Gartn.-Zeit. 44: 23-24. Ja.11, 1929. no.2.

Nachrichtenbl. Deut. Pflanzenschutzd. (Berlin)
Winkelmann, A.
Zur methodik der bestimmung des bestäubungs-grades trockengebeizten getreides. Nachrichtenbl. Deut. Pflanzenschutzd. 9: 3-5. Ja.1929. no.1.

Nat. Nurserym. (Hatboro, Pa.)
Maney, T.J. & Pickett, B.S.
A proposed control method for crown gall and callus knot on apple in the nursery. Nat. Nurserym. 37(2): 6-8, 12-13. illus. Ja.15,1929.

Nat. Hist. (N.Y.)

Fisher, C.

How nature plants her flowers. The many ways that flowers and trees scatter their seed -- How the wind aids some -- How birds and animals carry others -- The extraordinary diversity of these natural methods. Nat. Hist. 29: 65-74. illus. Ja./F.o929. no.1.

Nature.

Mr.R.H. Cambage, C.B.E. Nature. 123: 101. Ja.19, 1929. no.3090.

Naturforsch. (Berlin)

Morton, F.

Schneerose und waldameise. Aus der verbreitungs-biologie einer waldpflanze. Naturforsch. 5: 423-424. Ja.1929. no.10.

Helleborus niger.

New Flora & Silva. (London)

Bean, W.J.

The Davidias. New Flora & Silva. 1: 90-93. pl. xxv. Ja.1929. no.2.

Darlington, H.R.

Roses since the war. New Flora & Silva. 1: 79-89. pl.xxiv. Ja.1929. no.2.

Elliott, C.

Manavlins from my garden .II. New Flora & Silva. 1: 112-117. pl. xxxvi. Ja.1929. no.2.

Plants for the rock garden: alpines, conifers, some others, as Sedum, Saxifraga, Dianthus.

Harrow, R.L.

Nomocharis. New Flora & Silva. 1: 75-78. pl. xxi-xxiii. Ja.1929. no.2.

Moore, P.

A letter from Ireland. A review of some of the older gardens with their special plants. New Flora & Silva. 1: 118-123. Ja.1929. no.2.

Schneider, C.

Notes on Berberis II. New Flora & Silva. 1: 126-136. pl. xxxix. Ja.1929. no.2.

Taylor, G.C.

Garden annuals, a short survey. New Flora & Silva. 1: 137-144. pl.xl-xli. Ja.1929. no.2.

New Zeal. Journ. Agr. (Wellington)

Atkinson, E.
Weeds and their identification. New Zeal. Journ. Agr. 37: 408-410. illus. D.1928. no.6.
Tutsan (Hypericum androsaemum L.)

Gill, D.A.
Laurel poisoning in stock. A case of death among calves. New Zeal. Journ. Agr. 37: 407. D. 1928. no.6.
Prunus laurocerasus.

North West. Nat. (Arbroath, Scotland)

Ellis, H.
Algae of north east Lancashire. North West. Nat. 3: 178-181. D.1928. no.4.

Salter, J.H.
The altitudinal range of flowering plants and ferns in mid Wales (concl.) North West. Nat. 3: 170-174. D.1928. no.4.

Obst- u. Gemüseb.(Berlin)

Gleisberg, W.
Ein wichtiger schritt zu bekämpfung des amerikanischen stachelbeermehltaues. Obst. u. Gemüseb. 74: 177-179. illus. D.19, 1928. no.12.

Pam. Państw. Inst. Nauk. Gospod. Wiejsk. Puławach (Mém. Inst. Nat. Polon. Econ. Rur. Pulawy) (Krakow)

Barbacki, S.
Z badań porównawczych nad odmianami pszenicy ozimej Sandomierka i Wysokolitewka (A comparative study on the varieties of winter wheat Sandomierka and Wysokolitewka) Pam. Państw. Inst. Nauk Gospod. Wiejsk. Puławach (Mém. Inst. Nat. Polon. Econ. Rur. Pulawy). 9: 252-282. illus. 1928. no.1.
English summary: p.280-282.

Jankowska, K.
Zewnetrzniaki polski (Exoasceae of Poland) Pam. Państw. Inst. Nauk Gospod. Wiejsk. Puławach. (Mém. Inst.Nat. Polon. Econ. Rur. Pulawy) 9: 183-215. 4 pl. 1928. no.1.
English summary: p.212-214.

Pam.Panstw. Inst. Nauk. Gospod. Wiejsk. Puławach.(Mém. Inst. Nat. Polon. Econ. Rur. Pulawy) (cont.)

Lewicki, S.
Osypywanie sie ziarna u zbóz jako cecha dziedziczna. (Shedding of grains as hereditary character). Pam. Państw. Inst. Nauk. Gospod. Wiejsk.Puławach. (Mém. Inst. Nat. Polon. Econ. Rur. Pulawy) 9: 19-31. illus. 1928. no.1.
English summary:p.30-31.

Nowotnówna, A.
Procentowa i absolutna zawartość alkaloidów oraz agólnego azotu w łubinie zołtym w czasie wegetacji (Der absolute und der prozentuale alkaloid- und gesamt-stickstoffgehalt einzelner teile von Lupinus luteus während dessen vegetation). Pam. Państw. Inst. Nauk. Gospod. Wiejsk. Puławach. (Mém. Inst. Nat. Polon. Econ. Rur. Pulawy) 9:5-18. 1928. no.1.
German summary: p.14-15.

Pamph. Canada Dept. Agr.

Davis, M.B. & Hill, H.
Nitrogen, phosphoric acid and potash starvation at different stages of the growth of Fragaria. Pamph. Dept. Agr. Canada. n.s.,96. 8 p. 3 col. pl. 1928.

Phytopath. (Lancaster,Pa.)

American phytopathological society.
Abstracts of papers presented at 20th annual meeting... New York, Dec.28,1928 to Ja.1,1929. Phytopath. 19: 79-108. Ja.1929. no.1.

Lambert, E.B.
The relation of weather to the development of stem rust in the Mississippi Valley. Phytopath. 19: 1-77. Ja.1929. no.1.

Melhus, I.E., Reddy, C.S., Henderson, W.J. & Vestal,E.
A new virus disease epidemic on onions. Phytopath. 19: 73-77. illus. Ja.1929. no.1.

Proc. Amer. Soc. Hort. Sci.

Adriance, G.W.
A preliminary report on dichogamy in the pecan. Proc. Amer. Soc.Hort. Sci. 24(1927): 95-97. [1928]

Proc. Amer.Soc. Hort. Sci. (cont.)

Duruz, W.P.
Coryneum of apricots and its control. Proc. Amer.Soc. Hort. Sci. 24(1927): 176-179. [1928]

Duruz, W.P. & Goldsworthy, M.C.
Spraying for peach rust (a progress report). Proc. Amer. Soc. Hort. Sci. 24(1927): 168-171. [1928]

Finch, A.H.
Notes on the physiology of apple varieties. Proc. Amer. Soc. Hort. Sci. 24(1927): 212-216. [1928]

Heppner, M.J.
Pear black-end and its relation to different root-stocks. Proc. Amer.Soc. Hort. Sci. 24 (1927): 139-142. [1928]

Hooker, H.D.
Movement of fat in apple shoots. Proc.Amer. Soc. Hort. Sci. 24(1927): 185-187. [1928]

Howlett, F.S.
Further self- and cross-pollination experiments with the Baldwin apple. Proc. Amer. Soc. Hort. Sci. 24(1927): 105-110. [1928]

Huelsen, W.A. & Gillis, M.C.
A study of certain morphological characters of sweet corn and their relation to yield. Proc. Amer. Soc. Hort. Sci. 24(1927): 31-36. [1928]

Kimball, D.A.
Effect of the hardening process on the water content of some herbaceous plants. Proc. Amer. Soc. Hort. Sci. 24(1927): 64-70. [1928]

Knott, J.E. & Anthony, R.D.
Catalase as an indication of fruit tree response to soil treatment. Proc. Amer. Soc. Hort. Sci. 24(1927): 188-190. [1928]

Lincoln, F.B.
The loss of nitrogen from pear leaves, associated with natural defoliation. Proc. Amer. Soc. Hort. Sci. 24(1927): 207-209. [1928]

Proc. Amer. Soc. Hort. Sci. (cont.)

McHatton, T.H.
Some factors influencing pecan germination. Proc. Amer. Soc. Hort. Sci. 24(1927): 125-129. illus. [1928]

Murneek, A.E.
Effects of pruning on the carbohydrate-nitrogen ratio in the tomato. Proc. Amer. Soc. Hort. Sci. 24(1927): 180-184. [1928]

Potter, G.F. & Phillips, T.G.
Statistical analysis of data on fruit spur composition. Proc. Amer.Soc. Hort. Sci. 24(1927): 197-201. [1928]

Rosa, J.T.
Results of inbreeding melons (Preliminary report) Proc. Amer. Soc. Hort. Sci. 24(1927): 79-84. [1928]

Thayer, D.H., Haber, E.S. & Erwin, A.T.
Gross morphology of the sweet corn kernel. Proc. Amer. Soc. Hort. Sci. 24(1927): 26-30. illus. [1928]

Wentworth, S.W., Furr, J.R. & Mecartney, J.L.
The spur-unit method of determining the comparative effectiveness of different varieties of apple pollen. Proc. Amer. Soc. Hort. Sci. 24(1927): 85-90. [1928]

Queensl. Agr. Journ. (Brisbane)

Francis, W.D.
Queensland rain-forest trees (cont.) Oliver's sassafras (Cinnamomum olivieri) Queensl. Agr. Journ. 30: 580-582. illus. D.1928. no.6.

Pollock, N.A.R.
Inkweed eradication. Queensl. Agr. Journ. 30: 583-588. illus. D.1928. no.6.
Phytolacca octandra.

Simmonds, J.H.
Flag smut of wheat. Queensl. Agr. Journ. 30: 542-548. illus. D.1928. no.6.

Queensl. Agr. Journ. (cont.)

White, C.T.

Weeds of Queensland (cont.) Button weed or button mallow (Modiola caroliniana). Queensl. Agr. Journ. 30: 598-599. illus. D.1928. no.6.

Rep. Canada Exp. Farms.(Rep. Dom. Bot.)

Bailey, D.L. & Greaney, F.J.

Dusting with sulphur for the control of leaf and stem rust of wheat in Manitoba. Rep. Canada Exp. Farms. 1927(Rep.Dom.Bot.): 64-86. illus. 1928.

In Report of Dominion rust research laboratory.

Bailey, D.L.

Report of Dominion rust research laboratory, Winnipeg, Man. Rep. Canada Exp.Farms. 1927 (Rep.Dom.Bot.): 47-97. illus. 1928.

Berkeley, G.H.

Ginseng diseases. Rep. Canada Exp. Farms. 1927(Rep.Dom.Bot.): 35-36. 1928.

Berkeley, G.H.

Report of the Dominion laboratory of plant pathology, St.Catharines, Ontario. Rep. Canada Exp. Farms. 1927(Rep.Dom.Bot.): 121-139. illus. 1928.

Conners, I.L.

Smut experiments. Rep. Canada Exp. Farms. 1927(Rep.Dom.Bot.): 91-97. 1928.

In Report Dominion Rust research laboratory.

Control.

Craigie, J.H. & Popp, W.

Rust epidemiology. Rep. Canada Exp. Farms. 1927(Rep.Dom.Bot.): 47-54. 1928.

In Report of Dominion rust research laboratory.

Craigie, J.H.

Sexual behavior of the stem rust organism (Puccinia graminis tritici). Rep. Canada Exp. Farms. 1927 (Rep. Dom.Bot.): 59-61. illus. 1928.

In Report of Dominion rust research laboratory.

Rep. Canada Exp. Farms (Rep.Dom.Bot.) (cont.)

Drayton, F.L.
Studies and notes on diseases of ornamental plants. Rep.Canada Exp. Farms. 1927(Rep. Dom. Bot.): 14-32. illus. 1928.
Tulip - Narcissus - Hyacinth - Chionodoxa and snowdrop - Iris - Gladiolus - Crocus - Peony.

Gordon, W.L.
Physiologic forms of oat stem rust. Rep. Canada Exp. Farms. 1927(Rep.Dom.Bot.): 57-59. 1928.
In Report of Dominion rust research laboratory.

Greaney, F.J.
Studies on the toxicity and fungicidal efficiency of sulphur dusts in the control of some cereal rusts. Rep. Canada Exp. Farms. 1927 (Rep. Dom.Bot.): 86-90. illus. 1928.
In Report of Dominion rust research laboratory.

Harrison, K.A.
Fleshy fungi of Kentville, N.S., 1927. Rep. Canada Exp. Farms. 1927(Rep.Dom.Bot.): 32-35 1928.

Hockey, J.F.
The control of spread of mosaic of potatoes by the use of nicotine dust. Rep. Canada Exp. Farms. 1927(Rep.Dom.Bot.): 205-206. 1928.

Hockey, J.F.
Report of the Dominion Laboratory of plant pathology, Kentville, N.S. Rep. Canada Exp. Farms. 1927(Rep.Dom.Bot.): 139-156. illus. 1928.
Diseases of apples, currant rust, club root of turnips.

Hurst, R.R.
Control of wheat smut (Ustilago tritici (Pers.) Jens.) in the Huron variety, at Charlottetown, P.E.I. Rep. Canada Exp. Farms. 1927(Rep.Dom.Bot.): 116-117. 1928.

Rep. Canada Exp. Farms. (Rep.Dom.Bot.) (cont.)

Hurst, R.R.
Hollyhock rust control. Rep. Canada Exp. Farms. 1927(Rep.Dom.Bot.): 35. 1928.

Hurst, R.R.
Report of the Dominion laboratory of plant pathology, Charlottetown, P.E.I. Rep. Canada Exp. Farms. 1927(Rep.Dom.Bot.): 198-205. illus. 1928.
Potato diseases.

McCallum, A.W.
Forest pathology. Rep. Canada Exp. Farms. 1927(Rep.Dom.Bot.): 39-44. 1928.

McCulloch, W.K.
Seed potato improvement. Rep. Canada Exp. Farms. 1927(Rep.Dom.Bot.): 206-209. 1928.

McLarty, H.R.
Plant disease survey in the Okanagan valley. Rep.Canada Exp. Farms. 1927(Rep.Dom.Bot.): 192-193. 1928.

McLarty, H.R.
Report of the Dominion field laboratory of plant pathology, Summerland, B.C. Rep. Canada Exp. Farms. 1927(Rep.Dom.Bot.): 157-193. illus. 1928.
Fire-blight(pears): apple disease (collar rot, perennial canker, physiological diseases).

MacLeod, D. J.
Report of the Dominion laboratory of plant pathology, Fredericton, N.B. Rep.Canada Exp. Farms. 1927(Rep.Dom.Bot.): 209-218. 1928.
Potato diseases.

MacLeod, D.J.
Seasonal development of apple scab. Rep. Canada Exp. Farms. 1927(Rep.Dom.Bot.): 194. 1928.

Mounce, I.
Cultural studies of wood-destroying fungi. Rep. Canada Exp. Farms. 1927(Rep.Dom.Bot.): 41-44. 1928.

Newton, M.,Johnson, T. & Brown, A.M.
Physiologic forms of wheat stem rust in Canada. Rep. Canada Exp.Farms. 1927(Rep.Dom.Bot.): 54-57. 1928.
In Report of Dominion rust research laboratory.

Rep. Canada Exp. Farms.(Rep.Dom.Bot.) (cont.)

Newton, M. & Bailey, D.L.
Uniform rust nurseries in Canada. Rep. Canada Exp. Farms. 1927(Rep.Dom.Bot.): 61-64. 1928.
In Report of Dominion rust research laboratory.

Racicot, H.N.
Report of the Dominion laboratory of plant pathology, Ste.Anne de la Pocatiere, P.Q. Rep. Canada Exp. Farms. 1927(Rep.Dom.Bot.): 219-224. 1928.
Bean mosaic; Studies on diseases caused by sclerotia-producing fungi in Quebec; Late blight of potatoes.

Sanford, G.B.
Report of the Dominion laboratory of plant pathology for Alberta. Rep.Canada Exp. Farms. 1927(Rep.Dom.Bot.): 112-115. illus.(map) 1928.

Simmonds, P.M.
Report of the Dominion laboratory of plant pathology, Saskatoon,Sask. Rep. Canada Exp. Farms. 1927(Rep.Dom.Bot.): 97-112. 1928.
Fusarium studies; Helminthosporium studies.

Woolliams, G.E.
An experiment to develop disease-free strains of potatoes at Summerland, B.C. Rep. Canada Exp. Farms. 1927(Rep.Dom.Bot.): 224-225. 1928.

Woolliams, G.E.
Fusarium bulb-rot of onions at Summerland, B.C. Rep. Canada Exp. Farms. 1927(Rep.Dom.Bot.): 189-192. illus. 1928.

Wolliams, G.E.
Tobacco diseases at Summerland, B.C. Rep. Canada Exp. Farms. 1927(Rep.Dom.Bot.): 226-228. 1928.

Rep. Dept. Agr. Govt. Res.Inst. Formosa, Japan.

Sawada, K.
Descriptive catalogue of the Formosan fungi. pt.IV. Rep. Dept. Agr. Govt. Res. Inst. Formosa. no.35. 123,35 p. 4 pl. Jl.1928.

Rep. Food Invest. Bd. Gt.Brit.

Barker, J.
Wastage in fruit commerce. Rep. Food Invest. Bd. Gt.Brit. 1927: 38-42. 1928.
South African plums and peaches - South African citrus fruit - South African pineapples - Citrus fruit in general - Internal breakdown in imported apples.

Kidd, F. & West, C.
Forecasting the life of an apple. Rep. Food Invest. Bd. Gt. Brit. 1927: 23-27. 1928.

Kidd, F. & West, C.
The influence of soil upon the keeping quality of apr ty of apples. Rep. Food Invest. Bd. Gt. Brit. 1927: 27-30. 1928.

Kidd, F. & West, C.
Two types of storage internal breakdown in apples. Rep. Food Invest. Bd. Gt. Brit. 1927: 42-43. 1928.

Kidd, M.N. & Tomkins, R.G.
An analytical study of the mortality of orange fruits at various constant temperatures. Rep. Food Invest. Bd. Gt.Brit. 1927: 35-36. 1928.

Kidd, M.N. & Tomkins, R.G.
Fungal diseases of imported fruits. Rep. Food Invest. Bd.Gt.Brit. 1927: 45-48. 1928.

Onslow, M.
The biochemical study of senescence in apples - methods. Rep. Food Invest. Bd. Gt. Brit. 1927: 30-32. 1928.

Tomkins, R.G.
The water relationships of fruit-rotting fungi. Rep. Food Invest.Bd. Gt. Brit. 1927: 36-38. 1928.
Humidity and spore germination.

Rev. Hort. (Paris)

François, E.
Deux orchidées nouvelles de Madagascar. Rev. Hort. 100: 304-306. illus. D.16, 1928. no.12.
Gastrorchis schlechteri, G.francoisii.

Rev. Hort. (cont.)

Guillaumin, A.
Les cactées, principales espèces (cont.)
Rev. Hort. 100: 302-303. D.16, 1928. no.12.

Lemoine, H.
Un légume peu connu. le Polymnia edulis Wedd.
Rev.Hort. 100: 306-307. D.16, 1928. no.12.

Lesourd, F.
M.Pernet-Ducher. Rev.Hort. 100: 299-301.
D.16,1928. no.12.

Lesourd, F.
Les plus gros arbres de France I. Feuillus.
(cont.) Sophora du Japon, Sophora du Japon
pleureur, Ailante glanduleux, Catalpa. Rev.
Hort. 100: 316-317. illus. D.16,1928. no.12.

Meunissier, A.
Tecoma tagliabuana Vis. Rev.Hort. 100:
310-312. col.pl. D.16,1928. no.12.

Rev. Vitic. (Paris)

Marsais, P.
Le court-noué. Rev. Vitic. 70: 5-7. col.
pl. Ja.3, 1929. no.1801.

Rev. Zool. et Bot. Afr.

Robyns, W. & Lebrun, J.
Labiataceae novae Congolenses. Rev.Zool.
et Bot. Afr. 16: 346-372. D.1928. no.3.

Rhodora. (Boston)

Collins, J.F.
Notes on certain species of Panicum occurring
in or near Rhode Island. Rhodora. 30: 229-232.
D.1928. no.360.

Eaton, R.J.
Hydrangea paniculata naturalized in Massachu-
setts. Rhodora. 31: 18-19. Ja.1929. no.361.

Editorial announcement. Rhodora. 31: 1-6.
Ja.1929.
Change of editorship gives occasion for some
notes on history of the journal.

Rhodora. (cont.)

Fernald, M.L.
Roripa islandica an invalid name. Rhodora. 31: 17-18. Ja.1929. no.361.
Roripa palustris (L.) Bess.

Holm, T.
The application of the term "rhizome". Rhodora. 31: 6-17. pl.177-178. Ja.1929. no.361.

Knowlton, C.H.
Victorin's Les Gymnospermes du Québec. Rhodora. 31: 19-20. Ja.1929. no.361.

Louis-Marie, père.
The genus Trisetum in America (concl.) Rhodora. 30: 237-245. D.1928.

Mackenzie, K.K.
Concerning the proper identification of Linnaean species, especially those based on material collected by Clayton. Rhodora. 30: 232-237. D.1928. no.360.
Prunus virginiana, Aster Novae-Angliae, Acalypha virginica, Scirpus capitatus.

Science. (Lancaster,Pa.)

Jepson, W.L.
Samuel Bonsall Parish. Science. 69: 63. Ja.18, 1929. no1777.

Wieland, G.R.
The world's two greatest petrified forests. Science. 69: 60-63. Ja.18, 1929. no.1777.
The "Cycad National Monument" in the southern Black Hills "Rim"; The fossil Araucarian forest in Patagonia.

Sci. Rep. Tohoku Imp. Univ. 4 Ser. Biol.

Okabe, S.
Zur cytologie der gattung Prunus. Sci.Rep. Tôhoku Imp. Univ. 4 ser.Biol. 3: 733-743. illus. N.1928. no.2.

Tahara, M.
Contributions to morphology of Coccophora langsdorfii (Turn.) Grev. Sci.Rep. Tohoku Imp. Univ. 4 ser.Biol. 3: 727-732. illus.,pl.xxviii. N. 1928. no.2.

Sci.Rep. Tohoku Imp. Univ.4. Ser. Biol. (cont.)
Takamatsu, M.
On the arrangement of bast elements in conifers. Sci.Rep. Tohoku Imp. Univ. 4 ser. Biol. 3: 821-826. pl.xxxiv. N.1928. no.2.

Terasawa, Y. & Shimotomai, N.
Bastardierungsversuche bei Brassica und Raphanus. Sci.Rep.Tohoku Imp. Univ. 4. ser.Biol. 3: 827-841. illus., pl. xxxv-xxxvi.(part col.) N.1928. no.2.

Scient. Amer. (N.Y.)
Buchanan, A.E.jr.
Chemical alarm clocks arouse sleepy plants. Scient.Amer. 140: 116-117. illus. F.1929. no.2.

Scott. Journ.Agr. (Edinburgh)
Robb, W.
Some potato-breeding problems. Scott. Journ. Agr. 12: 46-53. Ja.1929. no.1.

Robertson, D.
Oat-sick land in relation to eelworm disease. Scott. Journ. Agr. 12: 40-45. Ja.1929. no.1.

South African Gard. (Johannesburg)
Bolus, L.
Blue Disa (Disa graminifolia, Ker.) South African Gard. 19: 8. illus. (col.). Ja.1929. no.1.

Bolus, L.
Plants - new and noteworthy. South African plants cultivated at the National botanic gardens, Kirstenbosch. South African Gard. 19: 27. illus. col.pl.(p.25.) Ja.1929. no.1.
Watsonia middlemostii, Ixia orientalis, I. metelerkampiae, n.sp.

Tidsskr. Planteavl. (København)
Gram, E., Jørgensen, C.A. & Rostrup, S.
Oversigt over sygdomme hos landbrugets og havebrugets kulturplanter i 1927. Tidsskr. Planteavl. 34: 778-836. 1928. no.5.

V.11, no.3, p.28.

Tijdschr. Plantenz. (Amsterdam)
Goossens, J.A.A.M.H.
Onderzoek over de door Phoma apiicola Klebahn veroorzaakte schurftziekte van de knoldselderij en over synergetische vormen en locale rassen van deze zwam (cont.) Tijdschr. Plantenz. 34: 317-348. pl. xvi-xviii. 1928. no.12.
English summary (Investigations on the "root-rot" of turnip-rooted celery (celeriac) caused by Phoma apiicola Klebahn, and on local strains and synergetic forms of this fungus): p.343-344.

Trans. & Proc. New Zeal. Inst. (Wellington, N.Z.)
Allan, H.H.
Further notes on an artificial Rubus hybrid (x Rubus parvicoloratus Vida). Trans. New Zeal. Inst. 59: 643-644. pl.77. S.1928. no.3.

Cunningham, G.H.
Sixth supplement to the Uredinales and Ustilaginales of New Zealand. Trans. New Zealand Inst. 59: 491-505. S.1928. no.3.

Sainsbury, G.O.K.
The validity of certain allied species of the moss Campylopus clavatus R.Br. Trans. New Zeal. Inst. 59: 506-507. S.1928. no.3.

Tribune Hort. (Bruxelles)
Brun, C.
M.Albert Maumené. Tribune Hort. 14: 33-34. port. Ja.19,1929. no.635.

U.S. Dept. Agr. Circ.
Kelly, J.W.
Methods of collecting and preserving pollen for use in the treatment of hay fever. U.S. Dept. Agr. Circ.46. 9 p. O.1928.

U.S. Dept. Agr. Farm. Bull.
Griffiths, D.
Prickly pear as stock feed. [revised] U.S. Dept. Agr. Farm. Bull.1072. 19 p. illus. D.1928.

Zeitschr. Anal. Chem.
Bodnár, J., Tergina, I. & Róth, L.E.
Einfache und schnelle analytische methoden zur bestimmung des wirkungsgehalts von pflanzenschutzmitteln. IV. Die titrimetrische bestimmung des quecksilbers in saatgutbeizmitteln. Zeitschr. Anal. Chem. 74: 81-105. 1928.

Zeitschr. Indukt. Abstamm. u. Vererbungsl. (Leipzig)
Burgeff, H.
Variabilität, vererbung und mutation bei Phycomyces blakesleeanus Bgff. Zeitschr. Indukt. Abstamm. u.Vererbungsl. 49: 26-94. illus. 1928.

Hoeppener, E. & Renner, O.
Genetische und zytologische oenotherenstudien I- Zeitschr. Indukt. Abstamm. u. Vererbungsl. 49: 1-25. illus. 1928. no.1.
I. Zur kenntnis der Oenothera ammophila Focke.

Zeitschr. Pilzk. (Leipzig)
Huber, H.
Standorte seltener pilze in der umgebung Wiener-Neustadt's (Niederosterreich und Burgenland). Zeitschr. Pilzk. 12(n.s.7): 178-182. D.1928. no.12.

Knauth, B.
Die höheren pilze der Dresdner heide (cont.) Zeitschr. Pilzk. 12(n.s.7): 182-186. D.1928. no.12.

Zeitschr. Sukkulentk. (Berlin)
Bödeker, F.
Zwei neue echinocacteen. Zeitschr. Sukkulentk. 3: 362-364. illus. D.1928. no.16.
Echinocactus sauerii, E. roseanus, sp.nova.

Werdermann, E.
Mamillaria gülzowiana Werd. n.sp. Zeitschr. Sukkulentk. 3: 356-357. illus. D.1928. no.16.

Zeitschr. Zuckerind. Cechoslovak. Rep.
Kreśl, F.X. & Peska, A.
Ein beitrag zur bekämpfung der Cercospora beticola auf zuckerrube. Zeitschr. Zuckerind. Cechoslov. Rep. 53: 177-180. D.21, 1928. no.16.

Stehlik, V. & Neuwirth, Fr.
Soll rübensamen stimuliert und gegen wurzelbrand gebeizt werden? II Zeitschr. Zuckerind. Cechoslovak. Rep. 53: 181-196. illus. Ja.4,1929. no.17/18.
Work of 1928 and further results of researches in 1927 prove that seed treatment is not effective with any of the existing preparations.

Exper. Stat. Publ.

Young, V.H.
Plant pathology. Arkansas Agr. Exp. Stat. Ann.Rep. 40(1927/28, Bull. 231): 64-73. D. 1928.

Randolph, L.F.
Chromosome numbers in Zea mays L. Cornell Agr. Exp. Sta. Mem. 117. 44 p. 2 pl. Je.1928. (Rec'd Ja.1929)

Adams, J.F.
[Report of] the Department of plant pathology [for the year ending June 30,1928] Delaware Agr. Exp. Stat. Ann.Rep. 1927/28: 34-43. 1928.

Detjen, L.R. & Gray, G. F.
Physiological dropping of fruits. II. In regard to genetic relationship of plants. Delaware Agr. Exp. Stat. Bull.157. 38 p. N.1928.

Doran, W.L. & Guba, E. F.
Blight and leaf-spot of carrot in Massachusetts. Massachusetts Agr. Exp. Stat. Bull.245: 271-278. Je.1928.
Macrosporium carotae; Cercospora apii carotae.

Whitcomb, W.D. & Guba, E.F.
Control of red spider and powdery mildew on greenhouse cucumbers. Massachusetts Agr. Exp. Stat. Bull.246: 280-294. illus. O.1928.

Morris, H.E. & Young, P.A.
The Department of botany and bacteriology presents some conclusions. Montana Agr. Exp. Stat. Ann. Rep. 34: 84-87. 1928.

Sayre, J.D.
Formaldehyde dust for the control of oat smut. Ohio Agr. Exp. Stat. Bimonth. Bull. 14: 9-11. Ja./F.1929. no.1.

State Publications.

Gladney, H., Colmer, R.P., Kislanko, J.P. & Miles, L.E.
Controlling pecan scab and other pests. Quart. Bull. State Plant Bd. Mississippi. 8: 1-7. illus. O.1928. no.3.

New Books.

Appel, O.
Atlas der krankheiten der landwirtschaftlichen kulturpflanzen. 2. reihe. Berlin, P.Parey, 1928.

Duetsche südpolar-expedition 1901-1903. Botanik. Die marinen diatomeen by H.Heiden & R.W. Kolbe. bd.8, heft 5. 1928.

Drude, O.
Pflanzengeographische ökologie. In Abderhalden, E. Handbuch der biologischen arbeitsmethoden. Abt.XI, teil 5, h.1. (lfg.279) p.1-156. 1928.

Earl, F.S.
Sugar cane and its culture. N.Y., J. Wiley & sons. 1928.
Sugar cane diseases: p.109-161.

Fisk, E.L., and Addoms, R.M.
A laboratory manual of general botany. New York, Macmillan, 1928.

Frey, A.
Anewndung graphischer methoden in der pflanzensoziologie. In Abderhalden, E. Handbuch der biologischer arbeitsmethoden. Abt.XI, teil 5, h.1. (lfg.279) p.203-232. 1928.

Gellhorn, E.
Das permeabilitätsproblem, seine physiologische und allgemeinpathologische bedeutung. Berlin, J. Springer, 1929 (Monographie aus dem gesamtgebiet der physiologie der pflanzen und der tiere 16.bd.)

Handel-Mazzetti, H.
Der ökologie auf reisen. In Abderhalden, E. Handbuch der biologischen arbeitsmethoden. Abt. XI, teil 5, h.1 (lfg.279) p.57-76. 1928.

Jaccard, P.
Die statistisch-floristische methode als grundlage der pflanzensoziologie. In Abderhalden, E. Handbuch der biologischer arbeitsmethoden. Abt.XI, teil 5, h .1 (lfg.279) p.165-202. 1928.

New Books (cont.)

Lectures on plant pathology and physiology in relation to man. Phila., W.B.Saunders, company, 1928.

A series given before the Mayo foundation and various universities.

Kunkel, L.O. Filterable viruses. - Cowles, H.C. Ecology and human affairs. - Coons, G.H. Some aspects of the Fusarium problem - Stakman, E.C. Racial specialization in plant disease fungi - Whetzel, H.H. The relation of plant pathology to human affairs - Osterhout, W.J.V. Some aspects of cellular physiology.

Die pflanzenzreale. 2. reihe, h.3. Jena, 1928.

Donat, A. Verbreitung einiger desmidiaceen II-III.

Robbins, W.J. & others.

Growth. New Haven, Yale university press, 1928.

Rosenvinge, L.K. and Warming, E., eds.

The botany of Iceland. v.2, pt.2. 1928.

7. The fresh-water Cyanophyceae of Iceland & 8. The aerial algae of Iceland, by J.B. Petersen.

Rübel,E.

Lichtklima und lichtgenuss. In Abderhalden, E. Handbuch der biologischer arbeitsmethoden. Abt.XI, teil 5, h.1 (lfg.279) p. 233-292. tab. 1928.

Scharfetter, R.

Die kartographische darstellung der pflanzengesellschaften. In Abderhalden, E. Handbuch der biologischen arbeitsmethoden. Abt.XI, teil 5, h.1.(lfg.279) p.77-164. 1928.

Schmidt, O.C.

Die algenvegetation Helgolands. In Karsten, G. Die vegetationsbilder. 19. reihe, heft. 5. pl.25-30. 1928.

New Books (cont.)

Schulz, E.D. (Mrs. Roy.W. Quillin)
Texas wild flowers, A popular account of the common wild flowers of Texas. Chicago, Laidlaw brothers, 1928.

Shirai, M.
A list of Japanese fungi hitherto unknown. Rev. and enl.by Kanesuke Hara, 3d. ed. 1927.

Simmonds, J.H.
Trees from other lands for shelter and timber in New Zealand. Eucalypts Auckland, N.Z., The Brett printing and publishing company, 1927.

Williams, R.O.
Flora of Trinidad and Tobago. v.1, pt.1-2. Trinidad, Dept. of Agriculture, 1928.
v.1. pt.1, Ranales; pt.2, Rubiales.

Translations filed in Library of Bur. of Plant Industry.

Schotte, G.
Svampar (Fungus injuries) In his Lärken och dess beteydelse för svenks skoghushallning. Medd. Stat. Skogsförsöksanst. 1916/17 (2): 676-691. 1917.
also includes transl. of p.749-752 (The diseases and damages of the Siberian larch) & p.770-771 (Diseases and injuries of the Japanese larch)

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY,
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

Vol. 11, no.4. February 4-16, 1929.

[Addresses] Ann. Placer Co. Fruit Grow. Conv.

Day, L.H.
New developments in pear blight control. [Addresses] Ann. Placer Co. Fruit Grow. Conv. 7(1927): 30-35. [1928]

Heppner, M.J.
Progress in pear black-end investigation. [Addresses] Ann. Placer Co. Fruit. Grow. Conv. 7(1927): 24-28. [1928]

Jones, B.J.
The "black-end" situation in Eldorado County. [Addresses] Ann. Placer Co. Fruit Grow.Conv. 7(1927): 28-30. [1928]

Morrison, A.E.
Pear blight control, Sacramento River District. [Addresses] Ann. Placer Co. Fruit Grow. Conv. 7(1927): 35-38. [1928]

Reimer, F.C.
Pear blight control. [Addresses] Ann. Placer Co. Fruit Grow. Conv. 7(1927): 76-81. [1928]

Agric. Colon. (Firenze.

Nicastro, C.
Il mate o tè del Paraguay (Ilex paraguariensis St.Hil.) (cont.). Agric. Colon. 23: 19-29. pl. Ja. 1929. no.1.

Agr. Journ. India. (Calcutta)

Mitra, M.
Gall formation on the roots of mustard due to a smut (Urocystis coralloides Rostrup). Agr. Journ. India. 23: 104-106. pl. xii-xiii. Mr. 1928.

Amer. Fern Journ.

Dobbie, H.B.
The propagation of ferns. Amer. Fern Journ. 19: 19-24. illus. Ja./Mr.1929. no.1.

Amer. Fern.Journ. (cont.)

Palmer, T.C.
Isoetes lachteri Mett. Amer. Fern Journ. 19: 17-19. Ja./Mr. 1929. no.1.

Schaffner, J.H.
The occurrence of three and four-angled branches in Equisetum arvense. Amer. Fern Journ. 19: 24-26. Ja./Mr. 1929. no.1.

St.John, H.
Notes on northwestern ferns. Amer. Fern Journ. 19: 11-16. Ja./Mr. 1929. no.1.

Steil, W.N. & Fuller, A.M.
Ferns and fern allies in Wisconsin - II. Amer. Fern Journ. 19: 1-10. Ja./Mr. 1929. no.1.

Amer. Journ. Bot.

Guilliermond, A.
The recent development of our idea of the vacuome of plant cells. Amer. Journ. Bot. 16: 1-22. illus. Ja. 1929. no.1.

Hilend, M.
A revision of the genus Zauschneria. Amer. Journ. Bot. 16: 58-68. Ja.1929. no. 1.

Rigg, G.B. & Cain, R.A.
A physico-chemical study of the leaves of three medicinal plants in relation to evergreenness. Amer. Journ. Bot. 16: 40-57 Ja.1929. no.1.
Arctostaphylos uva-ursi, Digitalis purpurea, Atropa belladonna.

Sorokin, H. & Sommer, A.L.
Changes in the cells and dissues of root tips induced by the absence of calcium. Amer. Journ. Bot. 16: 23-39. pl.i-iii. Ja.1929. no.1.
Experiments with Pisum sativum.

Ann. Sci. Nat. Bot. (Paris)

Costantin, J.
Enigmes des plantes à fourmis. Ann. Sci. Nat. X, Bot. 10: i-xxii. D.1928. no.3.

Ann. Sci. Nat. Bot. (cont.)

Magrou, J.
Etudes sur les galles produites par le "Bacterium tumefaciens". Ann. Sci. Nat. X, Bot. 10: 545-584. illus. pl. i-viii. D. 1928. no.3.

Motte, J.
Contribution a la connaissance cytologique des muscinées. Ann. Sci. Nat. X, Bot. 10: 293-543. illus., col.pl.i-xi. D.1928. no.3.

Ann. Rep. Conserv. Dept. N.Y.

New York. Conservation dept.
Experimental control of shoe string fungus. Ann. Rep. Conserv. Dept. N.Y. 18: 199-206. illus. 1929.
Armillaria mellea on conifers.

New York. Conservation dept.
Investigations on the sweet fern rust. Ann. Rep. Conserv. Dept. N.Y. 18: 197. 1929.
Chemican sprays for eradication of sweet fern.

New York. Conservation dept.
Investigations on white pine blister rust. Ann. Rep. Conserv. Dept. N.Y. 18: 195-197. 1929.

New York. Conservation dept.
White pine blister rust control. Ann.Rep. Conserv. Dept. N.Y. 18: 165-178. illus. 1929.

New York. Conservation dept.
Woodgate rust. Ann. Rep. Conserv. Dept. N.Y. 18: 179-181. 1929.

Arch. Rubbercult. Nederl.-Ind. (Batavia, Java)

Bobilioff, W.
Onderzoekingen over den meeldauw bij Hevea brasiliensis. Arch. Rubbercult. Nederl.-Indie. 13: 1-43. illus. Ja.1929. no.1.

Bergcultures (Batavia,Java)

Bally, W.
Over de Hollandsche iepenziekte. Bergcultures. 3: 645-647. D.29, 1928. no.26.

Gandrup, J.
Enkele gegevens over meeldauw in verband met bemesting. Bergcultures. 3: 668-674. Ja.5, 1929. no.27.
Rubber trees.

Biochem. Journ. (London)

Brink, R.A.

Dynamics of the waxy gene in maize. II. The nature of waxy starch. Biochem. Journ. 22: 1349-1361. 1928. no.6.

Buston, H.W.

Note on the isolation of mesaconic acid from cabbage leaves. Biochem. Journ. 22: 1523-1525. 1928. no.6.

Yuill, J.L.

Alcoholic fermentation by Aspergillus flavus, Brefeld. Biochem. Journ. 22: 1504-1507. 1928. no.6.

Biochem. Zeitschr. (Berlin)

Chrzaszcz, T. & Tiukow, D.

Ueber die säurebildung der Penicilliumarten (Link.) Biochem. Zeitschr. 204: 106-124. Ja.1929. no.1/3.

Biol. Gen. (Vienna)

Rasdorsky, W.

Ueber die baumechanik der pflanzen. Biol. Gen. 5: 63-94. illus. 1929. no.1.

Bol. Agr. y Cam. Guatemala.

Bardales, M.A.

Algunas enfermedades fungosas de los cafetales de Guatemala. Bol. Agric. y Cam. Guatemala. 7: 433-436, 495-499. S.-O. 1928. no.9,10.

Bol. Mens. Of. Defensa Agr. Sec. Agr. y Fom. Mexico.

Dampf, A.

No existe en Mexico el "mal de Panama" del platano. Bol. Mens. Of. Defensa Agr. Sec. Agr. y Fom. Mexico. 2: 638-642. illus. O./N. 1928. no. 10,11.

Bull. Soc. Bot. Genéve.

Beauverd, G.

Cas inédits de polymorphisme chez le Silene acaulis L. Bull. Soc. Bot. Genève. II, 20: 383-384. 1928. no.1.

Bull. Soc. Bot. Genéve. (cont.)

Evard, H.
Contribution à l'étude des ferments oxydants. Bull. Soc. Bot. Genéve. II, 20: 324-375. illus. 1928 no.1.

Porta, N.H.
Esquisse de géographie botanique et d'ecologie des "Rochers du Coin". Bull. Soc. Bot. Genéve. II, 20: 10-148. illus. 1928. no.1.

Schopfer, W.H.
Recherches sur la sexualité des champignons. Le problème de la biochimie comparée du sexe. Bull. Soc. Bot. Genéve. II, 20; 149-323. illus., xi pl. 1928. no.1.

Ström, K.M.
Active reaction of the medium and the growth of Hormidium forms. Bull. Soc. Bot. Genéve. II, 20: 1-9. illus. 1928. no.1.

Zender, J.
Le pavot et son usage ches les Assyriens. Bull. Soc. Bot. Genéve. II, 20: 379-382. 1928. no.1.

Bull. Soc. Centr. For. Belgique (Bruxelles)

Ledoux, P.
Contributions à la drymologie du Congo. II. Nouvelles recherches histologiques sur des Entandrophragma C.DC. (Meliaceae) du Congo belge. Bull. Soc.Centr. For. Belgique. 36: 18-22. Ja.1929. no.1.

Bull.Soc. Dendrol. France. (Paris)

Chassagne, M.
Considérations générales sur le genre Salix. Liste d'hybrides nouveaux pour la France. Bull. Soc. Dendrol. France. 68: 81-92. N.15, 1928.

Hickel, R.
La rouille des pins a cinq feuilles. Bull. Soc. Dendrol. France. 68: 97-101. N.15,1928.

La Cellule. (Lierre, Belgium)

Beal, J.M.
A study of the heterotypic prophases in the microsporogenesis of cotton. La Cellule. 38: 245-268. 2 pl. 1928. no.2.

Matsuda, H.
On the origin of big pollen grains with an abnormal number of chromosomes. La Cellule. 38: 213-242. 3 pl. 1928. no.2.
In Petunia violacea.

Sprumont, G.
Chromosomes et satellites dans quelques espèces d'Ornithogalum. La Cellule. 38: 269-292. 2 pl. 1928. no.2.

Vuckovic, R.
La noyau et la caryocinèse dans le Carex. La Cellule. 38: 197-210. pl. 1928. no.2.

Circ. Estac. Exp. Agr. Sec. Nac. Agr. Lima.

López Dominguez, F.A.
El mosaico en la cana de azúcar. Circ. Estac. Exp. Agr. Lima. 10. 23 p. illus. O. 1928.

Compt. Rend. Acad. Agr.France. (Paris)

Rives, L.
Sur les causes du dépérissement de l'abricotier par apoplexie. Compt. Rend. Acad. Agr. France. 15: 77-83. Ja.1929. no.2.
Bacillus amylovorus, disseminated by insects.

Compt. Rend. Acad. Sci. Paris.

Aversenq, Jaloustre, & Maurin, E.
Action du thorium X sur la teneur en principes actifs de certaines plantes médicinales. Compt. Rend. Acad. Sci. Paris. 188: 345-347. Ja.21, 1929. no.4.

Daniel, L.
Accentuation et persistance des adaptations symbiotiques chez le topinambour greffé sur le soleil annuel. Compt. Rend. Acad. Sci. Paris. 188: 417-419. illus. Ja.28, 1929. no.5.

Compt. Rend. Acad. Sci. Paris (cont.)

Mazé, P.

Détermination de la température des chloroleucites dans des plants de mais exposés au soleil. Compt. Rend. Acad. Sci. Paris. 188: 337-339. Ja.21, 1929. no.4.

Perrier, A.

Sur les transformations de la chlorophylle chez une algae verte. Compt. Rend. Acad. Sci. Paris. 188: 339-341. Ja.21, 1929. no.4.

Pontillon, C.

Sur l'existence de résines chez le Sterigmatocystis nigra V. Tgh. Compt. Rend. Acad. Sci. Paris. 188: 413-415. Ja.28, 1929. no.5.

Truffaut, G. & Thurneyssen, G.

Influence de la lumière artificielle sur la croissance des plantes supérieures. Compt. Rend. Acad. Sci. Paris. 188: 411-413. Ja.28, 1929. no.5.

Compt. Rend. Soc. Phys. & Hist. Nat. Genève.

Chodat, F.

Role des plantes dans l'équilibre atmométrique de leurs phyllosphères. Compt. Rend. Soc. Phys. & Hist. Nat. Genève. 45: 133-136. Ag./D.1923. no.3.

Ernähr. Pflanze. (Berlin)

Kappen, H.

Vegetationsversuche mit kalisalzen auf sauren böden (schluss). Ernähr. Pflanze. 25: 25-31. illus., tab. Ja.15, 1929. no.2.

Fortschr. Landw. (Vienna)

Bredemann, G. & Fabian, H.

Der einflusz der ernährung auf den fasergehalt und die faserbeschaffenheit von bastfaserpflanzen (flachs und nessel). Fortschr. Landw. 3: 406-407. Mr.1, 1928. no.9.

Demeter, K.J.

Bakteriophagie und landwirtschaft. Fortschr. Landw. 3:394-399. Mr.1, 1928. no.9.

Fortschr. Naturw. Forsch.

Ivanov, S.

Die klimatendes erdballs und die chemische tatigkeit der pflanzen. Fortschr. Naturw. Forsch. n.f., 5. 39 p. 1929.

Gard. Chron. (London)

Bracken disease in Scotland. Gard. Chron. III, 85: 56-57. Ja.26, 1929. no.2196.

Summary of a pamphlet on the subject by Mrs. N.L. Alcock and publ. by West of Scotland Agricultural college, Glasgow. Fungus not determined.

Brown, N.E.

Mesembryanthemum and some new genera separated from it. (cont.) Cryophytum. Gard. Chron. III, 85: 84. Feb.2, 1929. no. 2197.

Conference on polyploidy, John Innes horticultural institute. Gard. Chron. III, 85: 83-84. F.2, 1929. no. 2197.

Darnell, A.W.

The genus Primula (cont.). Gard. Chron. III, 85: 66, 85-86. Ja.26, Feb.2,1929. no.2196-97.

Friend, H.

Plant history in nomenclature. (cont.) Gard. Chron. III,84: 81-82. Feb.2, 1929. no.2197.

Grove, A.

A new disease of lilies. Gard. Chron. III, 85: 82-83. illus. Feb.2, 1929. no.2197.

Account of L.Ogilvie's work on virus diseases of lily in Bermuda.

Hornibrook, M.

Notes on some recantly discovered drarf conifers. Gard. Chron. III, 85: 49-50. illus. Ja.19, 1929. no.2195.

Knight, F.P.

Propagation of rhododendrons by cuttings. Gard. Chron. III, 85: 79. illus. F.2,1929. no.2197.

Taylor, G.

The status of Meconopsis baileyi. Gard.Chron. III, 85: 66. Ja.26, 1929. no.2196.

M. baileyi at most a geographic form of M. betonicifolia.

Gard. Chron. (cont.)
Ward, F.K.
Mr. F.K. Ward's tenth expedition in Asia, XI. Gard. Chron. III, 85: 46-47, 80-81. illus. Ja.19, F.2, 1929. no.2195,2197.

William Bateson. Gard. Chron. III, 85: 62-63. Ja.26, 1929. no.2196.

Gard. Chron. Amer. (N.Y.)
Eldredge, A.G.
Sea side wildflowers for your garden. Gard. Chron. Amer. 33: 41-42. illus. F.1929.

Gartenfl. (Berlin)
Nicolai, G.
Die methoden der orchideenvermehrung und ihr praktischer wert fur die erwerbsgartnerei. Gartenfl. 78: 11-16. illus. 1928.

Gladiolus Rev. (Rochester, N.Y.)
Maple, J.B.
Speculation about diseases of glads and their treatment. Gladiolus Rev. 6: 49-50, 74, 76. F.1929. no.2.

Godishn. Sofiisk. Univ. II, Fiziko-Mat. Fakul. (Ann. Univ. Sofia. II, Facul. Physico-Mat.)
Burzakov, B.
... Beitrag zur erforschung der pilzflora Bulgariens. Godishn. Sofiisk. Univ. II, Facul. Physico-Math.) V.24, suppl. 18 p. 1928.
Bulgarian with German summary.

Hawaiian Plant. Rec. (Honolulu)
Lyon, H.L.
Ten years in Hawaiian forestry. Hawaiian Plant. Rec. 33: 55-97. illus. Ja.1929. no.1.
Manoa arboretum: p.66-83.
Figs in Hawaiian forestry: p.83-96.

Horticulture (Boston)
Wilson, E.H.
Leaves from a plant hunter's notebook. no.1- Horticulture. 7: 51. illus. F.1929. no.3.
no. 1. Mrs. Thayer's lily (L.thayerii)

Joint Bull. Vermont Bot. & Bird Clubs.

Bamford, R. & Gershoy, A.
Germ cell sterility. Joint Bull. Vermont Bot. & Bird Clubs. 13: 92-94. D.1928. (Rec'd F.1929)

Chisholm, M.
Polystichum acrostichoides forma lanceolatum. Joint Bull.Vermont Bot. & Bird Clubs. 13: 88. D.1928 (Rec'd F.1929)

Dole, E.J.
The Hepaticae of Vermont. Joint Bull. Vermont Bot. & Bird Clubs. 13: 28-62. D.1928 (Rec'd F.1929)

Journ. Agr. Prat. (Paris)

Rives, L.
Sur un cas de fatigue du sol. La maladie des céréales semées sur défrichement du sol. Journ. Agr. Prat. n.s.,50: 491-494. D.1928. no.51.

Journ. Agr. Sci. (London)

Goodwin, W., Salmon, E.S. & Ware, W.M.
The action of certain chemical substances on the zoospores of Pseudoperonospora humuli (Miy. et Takah.) Wils. Journ. Agr.Sci. 19: 183-200. Ja.1929.

Journ. Hered. (Washington)

Lindstrom, E.W.
A haploid mutant in the tomato. Journ. Hered. 20: 23-30. illus. Ja.1929. no.1.

Smith, W.K. & Harrington, J.B.
Wheat albinos. Journ. Hered. 20: 19-22. illus. Ja.1929. no.1.

Tanaka, T.
The best oranges of the Far East. An account of the pankan, tankan, kosho-tankan and haili from Formosa and the adjacent Chinese coast. Journ. Hered. 20: 37-45. illus. Ja.1929. no.1.

Journ. Indian Bot. Soc. (Madras)

Blatter, E.
The flora of the Indus delta (cont.). Journ. Indian Bot. Soc. 7: 168-175. 5 pl. D.1928. no.3/4.

Blatter, E.
Myrmecosymbiosis in the Indo-Malayan flora. Journ. Indian Bot. Soc. 7: 176-185. D.1928. no.3/4.

Bose, S.R.
Injection-experiments on plants. Journ. Indian Bot. Soc. 7: 152-155. illus. D.1928. no.3/4.
Experiments with chlorotic plants (Crinum asiaticum, Mimosa pudica)

Sethi, M.L.
Contributions to our knowledge of the life-history of Pinus longifolia. Journ. Indian Bot. Soc. 7: 105-151. illus., pl.i-x. D.1928. no.3/4.

Singh, T.C.N. & Sinha, B.N.
Notes on the teratology of certain angiosperms Journ. Indian Bot. Soc. 7: 99-103. pl. i-ii. D.1928. no.3/4.

Sinha, B.N.
The origin and evolution of the archegonium. Journ. Indian Bot. Soc. 7: 156-167. D.1928. no.3/4.

Journ. Indian Inst. Sci. (Madras)

Constituents of some Indian essential oils pt. 22-24. Journ. Indian Inst. Sci. 11A: 181-199. 1928. no.15.
22. The essential oil from the flower heads of Cymbopogon coloratus, Stapf. By P.P. Pillay, B. Sanjiva Rao & J.J. Simonsen. 23. The essential oil from the fruits of Piper cubeba. By B.Sanjiva Rao, V.P. Shintre & J.L. Simonsen. 24. The essential oil from the rhizomes of Curcuma zedoaria, Roscoe. By B.Sanjiva Rao, V.P. Shintre & J.L. Simonsen.
All reprinted from the Journ. Chem. Industr. v.47,1928.

Journ.Landw. (Berlin)

Hatesaul, E.
Untersuchungen über wachstumsverhältnisse bei der kartoffel. Journ. Landw. 76: 327-362. D.1928. no.4.

V.11, no.4, p.12.

Journ. N.Y. Bot. Gard.

Stout, A.B.

The clon in plant life. Journ. N.Y. Bot. Gard. 30: 25-37. F.1929. no.350.

Journ. Pharm. & Chim. (Paris)

Bridel, M. & Grillon, S.

Le glucoside à salicylate de méthyle du Gaultheria procumbens L. est le monotropitoside. Journ. Pharm. & Chim. VIII, 9: 1-16. Ja.1, 1929.

Journ. Washington Acad. Sci.

Kearney, T.H.

Plants of Lower California relationship in central Arizona. Journ.Washington Acad. Sci. 19: 70-71. F.4, 1929. no.3.

Maurandya acerifolica & Colubrina californica.

Pennell, F.W.

A new Maurandya from Arizona. Journ. Washington Acad.Sci. 19: 69-70. F.4, 1929. no.3.

M.acerifolia.

Kartoffel, Zeitschr. Kartoffelbauges. (Berlin)

Braun, K.

Ueber die bekämpfung von schorf und Phytophthora durch züchtung. Kartoffel. Zeitschr. Kartoffelbauges. 9: 30-31. F.1929. no.3.

Kosmos (Lwów, Poland)

Goetz, J.

Rozmieszczenie brekini (Sorbus terminalis Crantz.) w Polsce Zachodniej. (Die verbreitung der elsbeere (Sorbus torminalis Crantz.) in Westpolen.) Kosmos. 53: 71-101. illus. 1928. no.1.

In Polish with German summary.

Koczwara, M.

Arthrospira leopoliensis Racib. i formy pokrewne. (Arthrospira leopoliensis Racib. und ihre verwandte). Kosmos. 53: 102-108. illus. 1928. no.1.

Raciborskia nov.gen.
In Polish with German summary.

Kranke Pflanze. (Dresden)
Esmarch, F.
Ringkranke kartoffeln. Kranke Pflanze. 6: 7-9. Ja.1929. no.1.

Landbouw Tijdschr. Vereen. Landb. Nederl.-Indie. (Buitenzorg)
Gebuis, Ir.L. & Abdul Kadir, R.
Enkele gegevens omtrent den Siwalan op Madoera (Some data concerning the Palmyra palm on Madura (Netherlands Indies). Landbouw. Tijdschr. Vereen. Landb. Nederl.-Indie. 4: 304-321. N.1928. no.5.
Dutch with English summary.

Landw. Jahrb. Bayern. (München)
Raum, H.
Beispiele über die beduntung der modernen vererbungslehre für die praktische pflanzenzüchtung. Landw. Jahrb. Bayern. 18: 497-512. 1928. no.9/12.

Malayan Agr. Journ. (Kuala Lumpur)
Sharples, A.
Palm diseases in Malaya. Malayan Agr. Journ. 16: 313-360. pl. i-xviii. S./O.1928. no.9/10.

Nature (London)
Priestley, J.H.
The transport of carbohydrates in the plant. Nature. 123: 133-135. Ja.26, 1929. no.3091.

New Phytol. (London)
Cook, W.R.I.
The inter-relationships of the Archimycetes (concl.) New Phytol. 27: 298-320. illus. D.1928. no.5.

North Amer. Veterin.
Hansen, A. A.
Mechanical plant injuries. North Amer. Veterin. 10: 29-33. illus. F. 1929. no.2.

Notizbl. Bot. Gart. Berlin.
Bornmüller, J.
Kritische bemerkungen über annuelle Hippocrepisarten. Notizbl. Bot. Gart. Berlin. 10: 421-451. D.1928. no.95.

Burret, M.
Eine neue Copernicia-art aus Paraguay. Notizbl. Bot. Gart. Berlin. 10: 402-404. D.1928. no.95.
C.ramulosa.

Kranke Pflanze. (Dresden)
Esmarch, F.
Ringkranke kartoffeln. Kranke Pflanze. 6: 7-9. Ja.1929. no.1.

Landbouw Tijdschr. Vereen. Landb. Nederl.-Indie. (Buitenzorg)
Gebuis, Ir.L. & Abdul Kadir, R.
Enkele gegevens omtrent den Siwalan op Madoera (Some data concerning the Palmyra palm on Madura (Netherlands Indies). Landbouw. Tijdschr. Vereen. Landb. Nederl.-Indie. 4: 304-321. N.1928. no.5.
Dutch with English summary.

Landw. Jahrb. Bayern. (München)
Raum, H.
Beispiele uber die beduntung der modernen vererbungslehre für die praktische pflanzenzüchtung. Landw. Jahrb. Bayern. 18: 497-512. 1928. no.9/12.

Malayan Agr. Journ. (Kuala Lumpur)
Sharples, A.
Palm diseases in Malaya. Malayan Agr. Journ. 16: 313-360. pl. i-xviii. S./O.1928. no.9/10.

Nature (London)
Priestley, J.H.
The transport of carbohydrates in the plant. Nature. 123: 133-135. Ja.26, 1929. no.3091.

New Phytol. (London)
Cook, W.R.I.
The inter-relationships of the Archimycetes (concl.) New Phytol. 27: 298-320. illus. D.1928. no.5.

North Amer. Veterin.
Hansen, A. A.
Mechanical plant injuries. North Amer. Veterin. 10: 29-33. illus. F. 1929. no.2.

Notizbl. Bot. Gart. Berlin.
Bornmüller, J.
Kritische bemerkungen über annuelle Hippocrepisarten. Notizbl. Bot. Gart. Berlin. 10: 421-451. D.1928. no.95.

Burret, M.
Eine neue Copernicia-art aus Paraguay. Notizbl. Bot. Gart. Berlin. 10: 402-404. D.1928. no.95.
C.ramulosa.

Notizbl. Bot. Gart. Berlin (cont.)

Burret, M.
Die palmengattung Manicaria Gaertn. Notizbl. Bot. Gart. Berlin. 10: 389-394. D.1928. no.95.
M.martiana, n.sp.

Burret, M.
Die palmengattungen Chelyocarpus Dammer und Tessmanniophoenix Burret nov.gen. Notizbl. Bot. Gart. Berlin. 10: 394-401. D.1928. no.95.
T. longibracteata, n.sp., T.chuco nov.comb.

Dingler, H.
Griechische rosen, von Dr. Joh. Mattfeld gesammelt auf seinen, 1924,1926 und 1927 in Bulgarien, Griechenland und der europäischen Türkei ausgefuhrten forschungsreisen. Notizbl. Bot. Gart. Berlin. 10: 479-488. D.1928. no.95.

Eig, A.
Aegilops sharonensis n.sp. Notizbl.Bot. Gart. Berlin. 10: 489-491. D.1928. no.95.

Harms, H.
Zur kenntnis der gattung Sciadodendron Griseb. Notizbl. Bot. Gart. Berlin. 10; 452-456. D. 1928. no.95.

Mansfeld, R.
Zur kenntnis der gattung Catasetum L.C.Rich. I. Notizbl. Bot.Gart. Berlin. 10: 476-478. illus. D.1928. no.95.
C.rolfeanum, n.sp.

Mattfeld, J.
Abies duplex Hormuzaki als gipfel von Abies alba Mill. Notizbl. Bot. Gart. Berlin. 10: 405-411. D.1928. no.95.

Mildbraed, J.
Neue arten von Coussapoa und Pourouma Aubl. Notizbl. Bot. Gart. Berlin. 10: 413-420. D. 1928. no.95.

Papp, C.
Berichtigung zu: Papp, Formen von Melica usw. Notizbl. Bot. Gart. Berlin. 10:412. D.1928. no.10.

V.11, no.4, p.15.

Notizbl. Bot. Gart. Berlin. (cont.)

Perkins, J.

Drei neue arten der gattung Styrax. Notizbl. Bot. Gart. Berlin. 10: 457-459. D.1928. no.95.

S.ledermannii, S.schultzei, S.tassmannii.

Werdermann, E.

Beiträge zur kenntnis der flora von Chile II. O.E. Schulz: Die von O.Berninger, A.Hollermayer und besonders von E.Werdermann in Chile gesammelten cruciferen. III. E.Werdermann: Uebersicht über die in Chile vorkommenden arten der gattung Salpiglossis ruiz et Pav. (Solanaceae). Notizbl. Bot. Gart. Berlin. 10: 460-475. illus. D.1928. no.95.

Hollermayera (n.gen.) H.silvatica; Microcardamum (n.gen.) M.tenue; Werdermannia (n.gen.) W. macrostachya.

Pharm. Journ. (London)

Perrins, G.

Insectivorous plants. Pharm. Journ. 122 (IV,68): 74-76. Ja.26, 1929. no.3404.

Redgrove, H.S.

Some notes on chamomile. Pharm. Journ. 122(IV,68): 50-51. illus. Ja.19, 1929 no.3403.

Philipp, Agr. Rev. (Manila)

Clara, F.M.

Control measures for the anthracnose disease of the mango. Philipp. Agr. Rev. 21: 81. 1928. no.1.

Planta, Arch.Wiss. Bot. (Berlin)

Alexandrov, W.G.

Beiträge zur kenntnis der zuckerrübenwurzel. Planta Arch. Wiss. Bot. 7: 124-132. illus. Ja.1929. no.1.

Delaunay, L.N.

Kern und art. Typische chromosomenformen. Planta, Arch. Wiss. Bot. 7: 100-112. illus., Ja.1929. no.1.

Iljin, W.S.

Der einfluss der standortsfeuchtigkeit auf den osmotischen wert bei pflanzen. Planta, Arch. Wiss. Bot. 7: 45-58. Ja.1929. no.1.

Planta, Arch. Wiss. Bot. (cont.)

Iljin, W.S.
Standortsfeuchtigkeit und der zuckergehalt in den pflanzen. Planta, Arch. Wiss. Bot. 7: 59-71. Ja.1929. no.1.

Möller, E.
Zer analyse der blattbewegungen von Coleus. Planta, Arch.Wiss. Bot. 7: 72-99. Ja.1929. no.1.

Schanderl, H.
Sagittaria sagittifolia als kopasspflanze. Planta, Arch. Wiss. Bot. 7: 113-117. illus. Ja.1929. no.1.

Schweizer, G.
Kulturmethode für coprophile ascomyceten. Planta, Arch. Wiss. Bot. 7: 118-123. illus. Ja.1929. no.1.

Troll, W.
Roscoea purpurea Sm., eine zingiberacee mit hebelmechanismus in den blüten. Mit bemerkungen über die entfaltungsbewegungen der fertilen staubblätter von Salvia. Planta Arch. Wiss. Bot. 7: 1-28 illus. Ja.1929. no.1.

Tuschnjakova, M.
Embryologische und zytologische beobachtungen über Listera ovata (Orchidaceae). Planta, Arch. Wiss. Bot. 7: 29-44. illus. Ja.1929. no.1.

Prakt. Blätt. Pflanzenb. u. Pflanzensch. (Freising)

Zattler, F.
Ueber eine kropfkrankheit des hopfens in Jugoslawien. Prakt. Blätt. Pflanzenb. u. Pflanzensch. 28(n.s.6): 238-245. illus. Ja.1929. no.10.

Proc. Potato Assoc.Amer.

Clark, C.F.
Some instances of bud mutation in the potato. Proc. Potato Assoc. Amer. 14: 35-38. [1928]

Goss, R.W. & Werner, H.O.
Seed potato treatments for scab control. Proc. Potato Assoc. Amer. 14: 109-116. [1928]

Proc. Potato Assoc. Amer. (cont.)

Kotila, J.E.
A review of contributions to potato pathology which appeared in American publications during the year 1927. Proc. Potato Assoc. Amer. 14: 226-232. [1928]

Kotila, J.E.
Transmission studies of virus diseases of potatoes in Michigan, 1926-27. Proc. Potato Assoc. Amer. 14: 95-101. [1928]

Krantz, F.A.
Contributions to potato breeding in 1927. Proc. Potato Assoc. Amer. 14: 210-213. [1928]

Martin, W.H.
The value of organic mercury compounds in the control of seed and soil borne scab. Proc. Potato Assoc. Amer. 14: 102-108. [1928]

Milward, J.G.
Mosaic control by tuber indexing method as applied to the triumph variety. Proc. Potato Assoc. Amer. 14: 88-91. [1928].

Orton, C.R. & Miles, G.F.
Seed potato treatments in 1927. Proc. Potato Assoc. Amer. 14: 117-120. [1928]

Rosa, J.T.
Some factors in preventing decay of potato sets. Proc. Potato Assoc. Amer. 14: 26-35. [1928]

Weiss, F.
A summary of the important contributions to potato pathology which have appeared in foreign periodical literature in the past year. Proc. Potato Assoc. Amer. 14: 215-225. [1928]

Werner, H.O.
Hollow heart of potatoes: occurrence and test of thiourea seed treatments for prevention. Proc. Potato Assoc. Amer. 14: 71-88. [1928]

Proc. R. Soc. Victoria. (Melbourne)

Ewart, A.J., and Jarrett, P.H.
Contributions to the flora of Australia, no.34. Additions to the flora of the northern territory and locality records. Proc. R. Soc. Victoria. 40: 81-87, Ja.1928. no.2.

Patton, R.T.
Fossil plants of the Stony Creek bason. Proc. R.Soc. Victoria. 40: 88-90. illus., pl. viii. Je.1928. no.2.

Williamson, H.B.
A revision of the genus Pultenaea. pt.V. Proc. R. Soc. Victoria. 40: 57-61. illus. Je.14,1928. no.2.

Progr. Agr. & Vitic. (Montpellier)

Jaguenaud.
Experiences de traitement a sec de la carie sur les blés de printemps. Progr. Agr. & Vitic. 92: 62-63. Ja.20,1929. no.3.

Ravaz, L.
L'excoriose. Progr. Agr. & Vitic. 92: 77-81. illus. Ja.27,1929. no.4.
Of the grape.

Ravaz, L.
Le rougeau en 1928. Progr. Agr. & Vitic. 92: 81-83. Ja.27,1929. no.4.
Of the grape.

Protoplasm. (Leipzig)

Albach, W.
Zellenphysiologische untersuchengen über vitale protoplasmafarbung. Protoplasma. 5: 410-443. D.1928. no.3.

Dostál, R.
Zur vitalfärbung und morphogenese der meeressiphoneen. Protoplasma. 5: 168-178. illus. D.1928. no.2.
Caulerpa.

Hercik, F.
Die photoelektrischen grundlagen der photokapillaren reaktion. Protoplasma. 5: 400-411. D.1928. no.3.

Protoplasma. (cont.)

Küster, E.
Beiträge zur zellenphysiologischen methodik I-II. Protoplasma. 5: 191-200. illus. D. 1928. no.2.
1. Durchstichversuche anlebenden protoplasten. II. Wachstum der pollenschläuche.

Prát, S. & Minassian, B.
Ueber die stoffaufnahme und wasserabgabe bei moosen. Protoplasma. 5: 161-167. D.1928. no.2.

Remington, R.E.
The high frequency wheatstone bridge as a tool in cytological studies; with some observations on the resistance and capacity of the cells of the best root. Protoplasma. 5: 338-399. illus. D.1928. no.3.

Umrath, K.
Zellwandpotentiale lebender und toter Helodeablätter. Protoplasma. 5: 444-446. D.1928. no.3.

Publ. Museo Agric.Soc. Rur. Argentina. (Buenos Aires)

Girola, C.D.
Plantas textiles en la Republica Argentina. Publ. Museo Agric. Soc. Rur. Argentina. 51. 73 p. illus. 1928.

Publ. Puget Sound Biol.Sta. (Seattle, Wash.)

Clark, L. & Frye, T.C.
The liverworts of the northwest. Publ. Puget Sound Biol.Sta. 6: 1-193. illus. D.15,1928.

Hart, H.T.
Delayed germination in seeds of Peltandra virginica and Celastrus scandens. Publ. Puget Sound Biol. Sta. 6: 255-261. D.28, 1928.

Hartge, L.A.
Nereocystis. Publ. Puget Sound Biol. Sta. 6: 207-237. illus. D.28, 1928.

Wittrock, G.L.
New combinations in the genus Agoseris. Publ. Puget Sound Biol.Sta. 6: 253-254. D.28,1928.

Quart. Journ. Rubber Res. Inst. Malaya.

Morris, L.E.
Field observations and experiments on the pollination of Hevea brasiliesis. Quart. Journ. Rubber Res. Inst. Malaya. 1: 41-49. illus., 1 pl. Ja.1929. no.1/2.

Weir, J.R.
Note on the decay of the "snag" after budding. Quart. Journ. Rubber Res. Inst. Malaya. 1: 111-114. pl.iv. Ja.1929. no.1/2.

Weir, J.R.
Preliminary studies on some diseases of cover crops under rubber in Malaya. Quart. Journ. Rubber Res. Inst. Malaya. 1: 29-40. illus. Ja. 1929. no.1/2.

Weir, J.R.
The South American leaf blight and disease resistant rubber. Quart. Journ. Rubber Res. Inst. Malaya. 1: 91-97. Ja.1929. no.1/2.

Rep. Oper. Dept.Agr. Punjab.

Luthra, J. C.
Annual report of the associate professor of botany, Punjab agricultural college, Lyallpur, for the year ending 30th June, 1927. Rep. Oper. Dept. Agr. Punjab. 1926/27; pt.II, p.1-3. 1928.
Includes notes on plant diseases.

Rev. Bryol. (Caen)

Allorge, P.
Notes sur la flore bryologique de la Péninsule Ibérique. III. Quelques muscinées nouvelles pour le Portugal. Rev. Bryol. n.s.,1: 203-204. D. 1928. no.4.

Dismier, G.
Le Bryum uliginosum Br. eur. aux environs de Paris. Rev. Bryol. n.s., 1: 201-202. D.1928. no.4.

Dixon, H.N.
Mosses collected in north China, Mongolia and Tibet, by Rev. Pere E. Licent. Rev Bryol. n.s., 1: 177-191. illus. D. 1928. no.4.

Rev. Bryol. (cont.)

Hillier, L.
Deux mousses nouvelles pour la chaine du Jura. Rev. Bryol. n.s., 1: 196-198. D.1928. no.4.
Conomitrium julianum, Fissidens bryoides var. hedwigii.

Malta, N. & Mednis, K.
Ueber die verhaeltnisse der sporophytbildung bei Leucodon sciuroides in Lettland. Rev. Bryol. n.s.,1: 199-200. D.1928. no.4.

Theriot, I.
Jaffueliobryum gen.nov. Rev. Bryol. n.s., 1: 192-195. pl.viii. D.1928. no.4.
Species of the genus Coscinodon, separated by Brotherus as group B.

Rev. Gén. Bot. (Paris)

Chalaud, G.
Le cycle évolutif de Fossombronia pusilla Dum. Rev. Gén. Bot. 41: 24-34. pl.1-8. Ja.1929. no.481.

Davy de Virville, A.
La flore de deux glaciers inferieurs des Pyrenées. Rev. Gen. Bot. 41: 1-23. Ja.1929. no.481.

Genevois, L.
Sur la fermentation et sur la respiration chez les végétaux chlorophylliens (suite). Rev. Gén. Bot. 40: 735-746. D.1928; 41: 49-63. Ja.1929. no.480,481.

Lubimenko, V.N. & Szeglova, O.A.
L'adaptation photopériodique des plantes (fin.) Rev. Gén. Bot. 40: 747-768. D.1928. no.480.

Michel-Durand, E.
Recherches physiologiques sur les composés tanniques. Rev. Gén. Bot. 40: 705-734; D.1928; 41: 35-48. Ja.1929. no.480,481.

Rev. Hort. (Paris)

Lesourd, F.
Les plus gros arbres de France. 1.partie: Feuillus (Marronnier d'Inde, marronnier rouge). Rev. Hort. 101: 339-340. illus. Ja.16,1929. no.13.

Rev. Hort. (cont.)

M. Joseph Gérome. Rev. Hort. 101: 328. Ja.16,1929. no.13.
Died D.31,1928 at age of 65.

Meunissier, A.
La mutation chez les orchidées. Rev.Hort. 101: 336-338. Ja.16,1929. no.13.

Rev. Industr. y Agr. Tucumán. (Buenos Aires)

Fawcett, G.L.
El enrojecimiento de las hojas de algunas variedades de cana de azúcar. Rev. Industr. y Agr. Tucumán. 19: 104-105. Ag./S.1928. no.3/4

Rev. Mens. B.A.P. (Buenos Aires)

Mácola, T.
Sobre la presencia del "torque o enrulamiento" en los durazneros de la provincia de Mendoza. Rev. Mens. B.A.P. 12: 42-46. illus. Ja.1929. no.134.

Marchionatto, J.B.
Enfermedades mas comunes de los arboles frutales da Carozo. Rev. Mens. B.A.P. 12: 51-55. illus. Ja.1929. no.134.

Russk. Arkh. Protistol. (Moskva)

Nadson, G.
... Prof. S.M. Wislouche, nécrologie. Russk. Arkh. Protistol. 7: 139-141. port. 1928.
Scientific writings of S.M.Wislouche: p.140-141.

Roll, J.
... On new and deviating forms of desmids algae III. Russk. Arkh. Protistol. 7: 130-138. pl.iii. 1928. no.1/2.
Russian with English summary.

Russk. Arkh. Protistol. (cont.)

Svirenko, D.

... Contributions a la l'étude algologique de l'Ingoule. Russk. Arkh. Protistol. 7: 75-130. pl. ii. 1928.

Russian with French summary.

Svirenko, D.

... Recherches sur la flore algologique de la riviere Ingouletz. Russk. Arkh. Protistol. 7: 25-74. pl. 1. 1928.

Russian with French summary.

Science News Letter.

Thone, F.

The cabbage that wed a radish. Science News-Letter. 15: 75-77. illus. (incl.port.) F.9, 1929. no.489.

Popular account of G.D. Karpechenko's work on radish-cabbage hybrid.

Scient. Agr. (Ottawa)

Sanford, G.B. & Broadfoot, W.C.

Stripe rust in Alberta. Scient. Agr. 9: 337-345. illus. F.1929. no.6.

On Hordeum jubatum, H.vulgare, Triticum vulgare, T.durum, Agropyron smithii, & A.dasystachyum.

Sitzungsb. Akad. Wiss. Wien. Math.-Naturw. Kl. Abt.I.

Mayr, S.I.

Ueber die keimung und erste entwicklung der riemenmistel (Loranthus europaeus Jacq.) Sitzungsb. Akad. Wiss. Wien Math.-Naturw. Kl. Abt. I. 137: 345-362. illus. 1928. no.5/6.

Sitzungsb. Preuss. Akad. Wiss. (Berlin)

Haberlandt, G.

Zur entwickelungsphysiologie des periderms. Sitzungsb. Preuss. Akad. Wiss. 1928: 317-338. illus. no.23.

Svensk. Bot. Tidskr.

Johansson, K.

Anmärkningar rörande blekinges archieracier. Svensk Bot. Tidskr. 22: 511-514. 1928. no.4.

Svensk. Bot. Tidskr. (cont.)
Nilsson, G.
Cetraria norvegica (Lynge) Dr. in Fennoskandia. Eine übersicht anlässlich der auffindung der art in Schweden. Svensk Bot. Tidskr. 22: 515-527. illus. (map) 1928. no.4.

Sver. Utsädesför. Tidskr. (Svålof)
Åkeman, Å.
Några iakttagelser rörande rotdodarens härjningar i Skåne. Föredrag vid sammanträde i Malmö lantbruksklubb den 6/12, 1928. Sver. Utsädesför. Tidskr. 38: 237-251. illus. 1928. no.5.

Tijdschr. Nederl. Heidemaatsch.
Buisman, C.J.
De oorzaak van de iepenziekte. Tijdschr. Nederl. Heidemaatsch. 40: 338-344. O.1928. no.10.
Considers cause Graphium ulmi.
Transl. (La cause de la maladie des ormes) by L.Drumaux in Bull. Soc. Centr. For. Belg. 36: 22 28. Ja.1929. no.10.

Westerdijk, J.
Is de iepenziekte een infectieziekte? Tidj-Schr. Nederl. Heidemaatsch. 40: 333-337. O. 1983. no.10.

Trop. Agr. (Ceylon) (Peradeniya)
Stockdale, F.A.
An examination of the type-forms of fruit present in the progeny of a single forastero cacao. Compiled from notes prepared for publication by the late H.L. van Buuren. Trop. Agr. 71: 328-342. 5 pl. D.1928.

Univ. Calif. Publ. Bot. (Berkeley, Cal.)
Goodspeed, T.H. & Clausen, R.E.
Interspecific hybridization in Nicotiana VIII. The sylvestris-tomentosa-tabacum hybrid triangle and its bearing on the origin of tabacum. Univ. Calif. Publ. Bot. 11: 245-256. illus., pl.8-9. 1928. no.13.

Univ. Colorado Stud. (Boulder)
Pope, M.A.
Pollen morphology as an index to plant relationship. pt. II.Key to families. Univ. Colorado Stud. 15: 171-215. pl. 1. S.1926. (Rec'd F.1929) no.3.

Verh. Bot. Ver. Prov. Brandenb. (Berlin-Dahlem)

Erichsen, C.F.E.

Die flechten des Moränengebiets von Ostschleswig mit berücksichtigung der angrenzenden gebiete. Verh. Bot. Ver. Prov. Brandenb. 70: 128-172. 0.1928. no.2.

Laubert, R.

Ueber die häufigkeit der schmarotzerpilze in der umgegend von Wernigerode. Verh. Bot. Ver. Prov. Brandenb. 70: 120-124. 0.1928. no.2.

Libbert, W.

Soziologische untersuchungen am molinietum der neumäkischen staubeckenlandschaft. Verh. Bot. Verh. Prov. Brandenb. 70: 93-119. illus.(map) 0.1928. no.2.

Loeske, L.

Fossombronia fleischeri Osterwald. Verh. Bot. Ver. Prov. Brandenb. 70: 125-127. illus. 0.1928. no.2.

Věstník Českosl. Akad. Zeměd. (Praha)

Chmelar, F. & Mostovoj, K. I.

Je možno rychle rozlišovati v laboratoři ozimé, jarní a presívkové formy obilnin i bez umélého osvětlování? (A contribution towards the distinguishing of winter spring and altnerative habit of growth of cereals (specially wheat) in laboratory. Věstnik Českosl. Akad. Zeměd. 5: 10-16. illus. Ja.1929.

Czechoslovakian and German text with English summary.

Mostovoj, I.K.

Zoubky na osinácn jecmene jako rozlisovací znak sort. (Barbs on the awns of the barley as a distinction of varieties. Vestník Českosl. Akad. Zeděd. 5: 16-22. illus. Ja.1929. no.1.

Czechoslovakian and German text with English summary.

Vict. Nat. (Melbourne)
Nicholls, W.H.
A new Victorian orchid. Vict. Nat. 45: 223-234. pl. ix. Ja.1929. no.9.
Calochilus richii.

Pescott, E. E.
A new species of orchid. Vict. Nat. 45: 235-237. illus. Ja.1929. no.9.
Caladenia hildae.

Zeitschr. Angew. Chem. (Leipzig)
Noack, K.
Untersuchungen uber die rauchgasschäden der vegetation. Zeitschr. Angew. Chem. 42: 123-126. F.2, 1929. no.5.

Zeitschr. Pflanzenkr. (Stuttgart)
Goffart, H.
Notizen. Zeitschr. Pflanzenkr. 39: 40. Ja.1929. no.1.
Nematode nomenclature, Tylenchus dipsaci should be Anguillulina dipsaci.

Wilson, M.J.F.
Ueber das ulmensterben und seinen erreger. Zeitschr. Pflanzenkr. 39: 36-39. Ja.1929. no.1.

Zach, F.
Ueber Ceratostomella cana E.Münch als varietät von Ceratostomella piceae E.Münch. Zeitschr. Pflanzenkr. 39: 29-35. illus. Ja.1929. no.1.

Zeitschr. Pflanzenzucht. (Berlin)
Fruwirth, C.
Ueber eine durch spontane variabilität enstandene kartoffelform und über spontane variabilität der kartoffel uberhaupt. Zeitschr. Pflanzenzucht. 14: 35-79. illus. D.1928. no.1.

Heinisch, O.
Beitrag zur methodik der untersuchung von wintergetreide auf kälteresistenz. Zeitschr. Pflanzenzucht. 14: 1-34. D.1928. no.1.

Exper. Stat. Publ.
Murneek, A.E.
Nitrogen and carbohydrate distribution in organs of bearing apple spurs. Missouri Agr. Exp. Stat. Res. Bull. 119. 50 p. Ag.1928. (Rec'd Ja.1929)

Exper. Stat. Publ. (cont.)

Anderson, R.J.
Chemical studies of grape pigments II-III. New York Agr. Exp. Stat. Techn.Bull. 146. 21 p. Jl.1928 (Rec'd F.1929)
1. The anthocyans in Clinton grapes. By R.J. Anderson & F.P. Nabenhauer. III. The anthocyans in Aeibel grapes.

Clayton, E.E.
Spraying experiments with bush lima beans. New York Agr. Exp. Stat. Bull.558. 22 p. illus. N.1928 (Rec'd F.1929)

Gladwin, F.E.
Downy and powdery mildews of the grape and their control. New York Agr. Exp. Stat. Bull. 560. 14 p. illus. D.1928 (Rec'd F.1929)

Crowley, D.J.
Blueberry growing -- a new industry in Washington. Wash. Agr.Exp. Stat. Pop.Bull.144. 11 p. illus. D.1928 (Rec'd F.1928)

Heald, F.D.
[Report of] Division of plant pathology. Ann. Rep.Washington Agr. Exp.Stat. 38(1927/28, Bull.229): 38-41. D.1928 (Rec'd F.1929)

State Publications.

Gates, F.C.
Handbook of Kansas trees. Rep. Kansas State Bd.Agr. 47(186/A: Trees in Kansas):148-373. 1928.

Scott, C.A.
Kansas trees and their uses. Rep.Kansas State Bd. Agr. 47(186/A: Trees of Kansas): 15-147 illus. 1928.

New Books.

Barthels, W.
Ueber die meerzweibel (Urginea maritima). Hamburg, 1926.

New Books (cont.)

Blaringhem, L.
Principes et formules de l'hérédité mendélienne Paris, Gauthier-Villars, 1928.

Bose, Sir J. C.
The motor mechanism of plants. London, Longmans, Green & Co., 1928.

Bower, F.O.
The ferns (Filicales) vol. 3. The lepto-sporangiate ferns. Cambridge, University, 1928.

Clements, F.E.
Plant succession and indicators. A definitive edition of Plant succession and Plant indicators. N.Y., H.W. Wilson company, 1928.

Butler, E.J.
Report on some diseases of tea and tobacco in Nyasaland. Zomba, Printed by the government printer, Jl.1928.

Freund, L.
Ueber die stimulierung der pflanzen und ihre bedeutung. Hamburg, 1925.

Harper, R.M.
Catalogue of the trees, shrubs and vines of Alabama, with their economic properties and local distribution. Geol. Surv. Alabama Monogr. 9. 357 p. illus. incl.maps. 1928.
Economic botany of Alabama pt.2.

Höll, K.
Oekologie der peridineen. Jena, G.Fischer, 1928 (Pflanzenforschung hrsg. von R.Kolkwitz, heft 11)

Hu, H. H. & Chun, W.Y.
Icones plantarum sinicarum. fasc.1. pl. 1-50. Shangai, F.1927.
Dept. of botany, College of agriculture, National southeastern university, Nanking.

Kirchner, O.von.
Atlas der krankheiten und beschädigungen unserer landwirtschaftlichen kulturpflanzen. III.-IV. ser.2. aufl. Bearb. von W.Lang. Stuttgart, E.Ulmer, 1927
III.Wurzelgewächse und handelsgewächse IV. Gemüse- u. küchenpflanzen.

New Books: (cont.)

Lindau, G.
Die höheren pilze. Basidiomycetes mit ausschluss der brand- und rostpilze... In 3. aufl. völlig neu bearb. von E.Ulbrich. Berlin, J.Springer, 1928. (Kryptogamenflora fur anfänger... 1.bd.)

Maddox, F.
Agricultural experiments and results and discoveries of diseases in wheat. Sydney, Shipping newspapers ltd., 1928.

Martin, H.
The scientific principles of plant protection. London, E.Arnold, 1928.

Merkenschlager, F.
Tafeln zur vergleichenden physiologie u. pathologie der kulturpflanzen. Berlin, O. Schlegel, 1927.

Die natürlichen pflanzenfamilien... 2. stark vermehrte und verb. aufl.hrsg. von A.Engler. 2. bd. Peridineae (Dinoflagellatae). Diatomeae (Bacillariophyta) Myxomycetes redigiert von E. Jahn. Leipzig, W.Engelmann, 1928.
Peridineae von E.Lindemann; Bacillariophyta von G.Karsten; Myxomycetes von E.Jahn.

Das pflanzenreich hrsg. von A.Engler heft 94.
Malpighiaceae pars III von F.Niedenzu.
Leipzig, W.Englemann, 1928.

Rothe, G.
Untersuchungen über die verwachsungsvorgänge bei umgekehrt zwischengepfropften stengelstücken unter besonderer berücksichtigung der polarität der zellen. Stuttgart,1924.
Solanum nigrum, Phaseolus multiflorus, Sinapis alba.

Rumsey, H.J.
Australian nuts and nut growing in Australia. Sydney, 1927.

New Books. (cont.)

Willstatter, R.
Untersuchungen über enzyme. 2 v. Berlin, J. Springer, 1928.

Reprints from Journals not yet rec'd or not available.

Gassner, G.& Straib, W.
Untersuchungen über die infektionsbedingungen von Puccinia glumarum und Puccinia graminis. Reprinted from Arb.Biol. Reichanst. Land- u. Forstw. v.16, h.4. p.609-629. 0.1928.

Correction.

List v.11, no.2.p.10.

The citations under Boeuf, F.Fondard, L. & Schribaux, E. under Compt. Rend. Acad.Sci. Paris should read Compt.Rend. Acad.Agr. France. (vol., paging &c are correct for the latter)

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY,
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C

Vol. 11, no.5. February 18-March 2,1929.

Agricultura. (Pan Amer. Union)
Tucker, C. M.
Enfermedades del café en America. Agricultura. (Pan Amer. Union) no.45. 14 p. illus. O.1928.
Reprinted from Bol. Unión Panamer. v.62.

Amer. Fruit Grow. Mag. (Chicago)
Dutton, W.C.
Sulphate of iron reduces spray injury. Amer. Fruit Grow. Mag. 49(2): 3, 32-33. illus. F.1929. no.2.

Ann. Rep. Dept. Agr. & Stock. Queensl.
Simmonds, J.H.
Extracts from a report of the activities of the pathological branch of the division of entomology and plant pathology. Ann. Rep. Dept. Agr. & Stock, Queensl. 1927/28: 78-80. 1928.

Ann. Rep. Dept. Agr. W.Austr.
Carne, W.M.
Report of the economic botanist and plant pathologist, 1927/28. Ann. Rep. Dept. Agr. West.Austr. 1927/28: 25-26. 1928.

Ann. Sci. Agron. (Paris)
Francois, L.
Les semences des plantes adventices dans les céréales. Ann. Sci. Agron. 45: 543-567. illus. N./D.1928. no.6.

Arch. Suikerind. Nederl. Indië (Soerbaja)
Booberg, G.
Bestrijding van red-stripe disease in bibittuinen. Arch. Suikerind. Nederl. Indië. 1929(1): 37-38. Ja.1929. no.2.

Beih. Bot. Centralbl. Abt.II. (Dresden)
Hayek, A.
Ein beitrag zur kenntnis der vegetation und der flora des thessalischen Olymp. Beih. Bot. Centralbl. Abt.II, 45: 220-328. D.1928. no.2.

Beih. Bot. Centralbl. Abt.II: (cont.)

Keller, P.
Beiträge zur kenntnis der nacheiszeitlichen waldentwicklung in der Ostschweiz. Beih. Bot. Centralbl. Abt. II. 45: 181-219. D.1928. no.2.

Schmidt, E.
Untersuchungen über berberidaceen. Beih. Bot. Centralbl. Abt.II, 45: 329-396. illus. D. 1928. no.2.

Ber. Deut. Bot. Ges. (Berlin)

Kuhn, E.
Zur frage der querteilung der chromosomen in der somatischen prophase von Capparis spinosa. Ber. Deut. Bot. Ges. 46: 682-686. illus. Ja.1929. no.10.

Mansfeld, R.
Beitrag zur morphologie des Euphorbia-cyathiums. Ber. Deut. Bot. Ges. 46: 674-677. illus. Ja.1929. no. 10.

Mühldorf, A.
Ueber den prozesz und die mechanik der blattablösung beim frostlaubfalle. Ber. Deut. Bot. Ges. 46: 635-652. Ja.1929. no.10.

Potthoff, H.
Zur phylogenie und entwicklungsgeschichte der conjugaten. Ber. Deut. Bot. Ges. 46: 667-673. Ja.1929. no.10.

Schubert, K.
Ueber temperaturmessungen an der blüte von Vinca minor. Ber. Deut. Bot. Ges. 46: 653-666. Ja. 1929. no.10.

Steinecke, F. & Ziegenspeck, H.
Veränderungen im pyrenoid während der stärkeproduktion. Ber. Deut. Bot. Ges. 46: 678-681. illus. Ja.1929. no.10.

Biochem. Zeitschr. (Berlin)

Acklin, O.
Zur biochemie des Penicillium glaucum. Ein beitrag zum problem der methylketonbildung aus triglyceriden bzw. fettsäuren im stoffwechsel des schimmelpilzes. II. Die bildung der methylketone. Biochem. Zeitschr. 204: 253-274. illus. Ja.1929. no.4/6.

Biochem. Zeitschr. (cont.)

Andreadis, T.
Ueber den nitratgehalt des tabaks and über eine fehlerquelle der bisherigen bestimmungsmethode. Biochem. Zeitschr. 204: 484-492. Ja.1929. no.4/6.

Bernhauer, K.
Ueber die charakterisierung der stämme von Aspergillus niger. II. Die bedeutung saurer substrate für die charakterisierung und züchtung der pilzestämme. Biochem. Zeitschr. 205: 240-244. Ja.1929. no.1/3.

Claus, G.
Ueber die dunkelwirkung fluoreszierender farbstoffe auf diastase. Biochem. Zeitschr. 204: 456-466. Ja.1929. no.4/6.

Grafe, V.
Zur chemie und physiologie der pflanzenphosphatide. VIII. Die phosphatide der hefe (1). Biochem. Zeitschr. 205: 256-258. Ja.1929. no.1/3.

Houben, J. & Wollenweber, H.W.
Hexylresorcin und phenyläthylresorcin gegen pflanzenpathogene pilze. Biochem. Zeitschr. 204: 448-455. Ja.1929. no.4/6.

Müller, D.
Studien über ein neues enzym glykoseoxydase. II. Biochem. Zeitschr. 205: 111-143. Ja.1929. no.1/3.

Samec, M.
Studien über pflanzenkolloide, XXII. Ueber die nach verschiedenen methoden dargestellten kartoffelamylopektine. Biochem. Zeitschr. 205: 104-110. Ja.1929. no.1/3.

Sumi, M.
Nachtrag zur arbeit "Ueber die chemischen bestandteile der sporen von Aspergillus oryzae". Biochem. Zeitschr. 204: 412-413. Ja. 1929. no.4/6.

Sumi, M.
Ueber das aus dem japanischen essbaren pilze "Cortinellus shiitake" isolierte ergosterin. Biochem. Zeitschr. 204: 397-411. illus. Ja.1929. no.4/6.

Biol. Zentralbl. (Leipzig)

Frankenberg, G.von.
Kann "fremddienlich zweckmässigkeit" nicht durch selektion entsehen? Biol. Zentralbl. 49: 16-24. 1929. no.1.

Philiptschenko, J.
Gene und entwicklung der ährenform beim weizen. Biol. Zentralbl. 49: 1-16. illus. 1929. no.1.

Troll, W.
Grundprobleme der pflanzenmorphologie und der biologie überhaupt. Biol. Zentralbl. 49: 43-60. illus. 1929. no.1.

Bol. Agr. y Cam. Guatemala.

Bardales, M. A.
Algunas enfermedades fungosas de los cafetales de Guatemala. pt.2. Bol. Agr. y Cam. Guatemala. 7: 543-546. N.1928. no.11.

Bot. Gaz. (Chicago)

Carlson, M.C.
Microchemical studies of rooting and non-rooting rose cuttings. Bot. Gaz. 87: 64-80. illus. F.1929. no.1.

Carlson, M.C.
Origin of adventitious roots in Coleus cuttings. Bot. Gaz. 87: 119-126. pl.v-vi. F.1929. no.1.

Denny, F.E.
Rôle of mother tuber in growth of potato plant. Bot. Gaz. 87: 157-194. illus. F.1929. no.1.

Holmes, F.O.
Inoculating methods in tobacco mosaic studies. Bot. Gaz. 87: 56-63. illus. F.1929. no.1.

Holmes, F.O.
Local lesions in tobacco mosaic. Bot. Gaz. 87: 39-55. illus. F.1929. no.1.

Joseph, H.C.
Germination and keeping quality of parsnip seeds under various conditions. Bot. Gaz. 87: 195-210. F.1929. no.1.

Bot. Gaz. (cont.)

Joseph, H. C.
Germination and vitality of birch seeds.
Bot. Gaz. 87: 127-151. F.1929. no.1.

Reid, M.E.
Growth of seedlings in light and in darkness in relation to available nitrogen and carbon.
Bot. Gaz. 87: 81-118. pl.i-iv. F.1929. no.1.

Shippy, W.B.
An inexpensive and quickly made instrument for testing relative humidity. Bot. Gaz. 87: 152-156. illus. F.1929. no.1.

Vinson, C.G. & Petre, A.W.
Mosaic disease of tobacco. Bot. Gaz. 87:14-38. F.1929. no.1.

Zimmerman, P.W. & Hitchcock, A.E.
Root formation and flowering of dahlia cuttings when subjected to different day lengths. Bot. Gaz. 87: 1-13. illus. F.1929. no.1.

Bot. Arch. (Königsberg)

Drahelm, W.
Beiträge zur kenntnis des wurzelwerks von iridaceen, amaryllidaceen und liliaceen. Bot. Arch. 23: 385-440. 1929. no.3/4.

Gindele, F.J.
Untersuchungen über die wirkung chemischer stoffe auf die atmung keimender samen. Bot. Arch. 23: 532-578. 1929. no.3/4.

Linsbauer, L.
Ueber fluoreszenzerscheinungen an wurzeln.
Bot. Arch. 23: 441-444. 1929. no.3/4.
Experiments with beans.

Ullscheck, F.
Penicillium- "arten" und - "rassen" im käse-keller. Bot. Arch. 23: 289-384. illus. 1929. no.3/4.

Wilkoewitz, K.
Ueber die serologie und morphologie des farnastes. Bot. Arch. 23: 445-531. illus. 1929. no.3/4.

Bot. Közlem. (Budapest)

Fleischmann, R.

A gabonaszemek megérés elött cairázása (Keimversuche mit getreidekörnern aus entwicklungsstadien vor der reife. Bot. Közlem. 25: 146-151. 1928. no.5/6.

Hungarian with German text: p.(21)-(27).

Hollos, L.

Új gombák Szekszárd vidékéről (Fungi novi regionis Szekszárdiensis) II. Bot. Közlem. 25: 125-133. 1928. no.5/6.

Nachruf an Dr. August von Hayek. Bot. Közlem. 25: (31)-(33). 1928. no.5/6.

Soó, R.

Kritikai megjegyzések. III. Bot. Közlem. 25: 133-146. 1928. no.5/6.

Very brief German summary: p.(21).

Kritische bemerkungen III. Neue orchideen Ungarns. 14. Neue daten zur flora von Kolozsvar. 15. Interessante Mentha-arten und-formen aus der flora von Kolozsvár,

Bulet. Agr. [Roumania] (Bucurest)

Zamfirescu, N.

Chestiuni relative la absorbtiunea apei prin ureschiusile frunzelor de graminee (Remarques sur l'absorption de l'eau par les auricules des feuilles chez les graminées). Bulet. Agr. [Roumania] 5: 115-131. illus. S./O.1928. no.9/10.

Roumanian with French summary.

Bull. Soc. Hist. Nat. Afr. Nord. (Alger)

Jaccard, P.

Note sur le coefficient génerique dans la flore du Sahel de Sousse. Bull. Soc. Hist. Nat. Afr. Nord. 19: 251-254. Jl.15, 1928. no.7/8.

Bull. Agr. Congo Belge. (Bruxelles)

Pages, R. Père,

Flore domestique du Ruanda. Bull. Agr. Congo Belge. 19: 116-131, 279-294. Mr., Je.1928. no.1,2.

1. Les plantes alimentaires.

2. La botanique considérée par rapport aux arts et aux usages domestiques.

Bull. Agr. Congo Belge. (cont.)

Pynaert, L.

Le manioc. Bull. Agr. Congo. Belge. 19: 163-241. illus. Je.1928. no.2.

Diseases: p.211-212 (Cercospora, Gloeosporium manihoti, Sclerotinia sp.)

Bull. Soc. Chim. Biol. (Paris)

Canals, E.

Du rôle physiologique du magnesium chez les végetaux. 2. ptie. Bull. Soc. Chim. Biol. 11: 14-45. illus. Ja.1929. no.1.

Bull. Soc. Sci. Nat. Maroc. (Rabat)

Maire, R.

Contribution a l'étude de la flore de l'Afrique du nord, fasc. XIII. Bull. Soc. Sci. Nat. Maroc. 8: 128-143. Je.30,1928 (Rec'd F.1929) no.4/6.

Miège, E.

Note sur une varieté spéciale d'orge marocaine, l'orge du prophete, Hordeum tetrastichum [sic] var. macroglumis var. nov. Bull. Soc. Sci. Nat. Maroc. 8: 144-148. illus., ii pl. Je.1928 (Rec'd F. 1929) no.4/6.

"C'est pourquot nous proposons de désigner cette variéte sous le nom de: Hordeum hexastichum ou polystichum var. macroglumis."

Bull. Soc. Vaud. Sci. Nat. (Lausanne)

Cruchet, P.

Relation entre le Caeoma de l'Arum maculatum et le Melampsora allii-populina. Bull. Soc. Vaud. Sci. Nat. 56: 485-487. 1928. no.221.

Caeoma ari italici.

Jaccard, P.

Phytosociologie et phytodémographie. Bull. Soc. Vaud. Sci. Nat. 56: 441-463. 1928. no.221.

Bull. Torr. Club.

Bowen, R.H.

The use of osmic-impregnation methods in plant cytology. Bull. Torr. Club. 21: 33-52. 1 pl. Ja.1929. no.1.

Bull. Torr. Club. (cont.)

Gleason, H.A.
Studies on the flora of northern South America, XI. New or noteworthy monocotyledons from British Guiana. Bull. Torr. Club. 56: 1-23. Ja. 1929. no.1.

Mackenzie, K.K.
Some Juncus names. Bull. Torr. Club. 56: 25-32. Ja.1929. no.1.

Bult. Sci. Fak. Terkult. Kjusu Imp. Univ.

Kato, S., Kosaka, H. & Hara, S.
On the affinity of rice varieties as shown by the fertility of hybrid plants. Bult. Sci. Fak. Terkult. Kjusu Imp. Univ. 3: 132-147. D.1928. no.2.
In Japanese with English summary.

Calif. Citrogr. (Los Angeles)

Woglum, R.S.
Brown rot, bordeaux and fumigation. Calif. Citrogr. 14: 180. Mr.1929. no.5.

Centralbl. Bakt. Abt.II. (Jena)

Kořínek, J.
Ein beitrag zur erkenntnis der Psychotria-symbiose. Centralbl. Bakt. Abt.II. 75: 52-55. Jl.2, 1928. no.1/7.

Wagner, F.
Der einflusz der zuckerarten und der wasser-stoffionenkonzentration auf die sporulation der saccharomyceten. Centralbl. Bakt. Abt.II. 75: 4-24. illus. Jl.2, 1928. no.1/7.

Circ. Dept. Agr. Canada.

Gussow, H.T.
The disease of rye and other grains and grasses called ergot. Circ. Dept. Agr. Canada. 69. 3 p. illus. 1929.

Compt. Rend. Acad. Sci. Paris.

Hamet, R.
Sur les glycosides du Digitalis purpurea L. Compt. Rend. Acad. Sci. Paris. 188: 461-463. F.4,1929. no.6.

Compt. Rend. Acad. Sci. Paris (cont.)

Killian, C.
Développement et biologie d'Ambrosinia bassii. Compt. Rend. Acad. Sci. Paris. 188: 511-512. F.11, 1929. no. 7.

Compt. Rend. Soc. Biol. Paris.

Chimpu, V.
Contribution a l'étude des satellites du genre Hordeum. Compt. Rend. Soc. Biol. Paris. 100: 187-190. illus. Ja.25,1929. no.3.

Hocquette, M.
Une nouvelle maladie du blé dans le nord de la France: le "black chaff." Compt. Rend. Soc. Biol. Paris. 100: 271-272. F.1929. no.4.

Contr. Dept. Bot. State Coll. Washington.

St. John, H.
An annotated catalogue of the vascular plants of Benton County, Washington. Contr. Dept. Bot. State Coll. Washington. no. 9. 1928.
Reprinted from Northwest science, v.2, p.73-93.

Country Life (London)

Taylor, G.M.
Raising lilies from seed. Country Life. 65: xxxiv-xxxvi. illus. F.9,1929. no.1673.

Deut. Landw. Presse. (Berlin)

Hollrung, M.
Kartoffelschorf, bodenart und bodenreaktion. Deut.Landw. Presse. 56: 69. F.2, 1929. no.5.

Schlumberger, O.
Krebsfeste kartoffelsorten. Deut. Landw. Presse. 56: 66. F.2, 1929. no.5.

Fortschr. Landw. (Vienna)

Buchinger, A.
Osmotische analyse der fruchtbaren aegilops-weizenbastarde und deren eltern. Fortschr. Landw. 3: 637-639. Jl.15,1928. no.14.

Fortschr. Landw. (cont.)

Drescher, L.
Ziele und ergebnisse der kreuzungszüchtung bei der kartoffel. Fortschr. Landw. 3: 148-156. illus. F.15, 1928. no.4.

Esdorn, I.
Der einflusz der lagerung auf die keimfähigkeit der gelben lupine. Fortschr. Landw. 3: 346-353. Ap.15, 1928. no.3.

Hengl, F. & Reckendorfer, P.
Der schwefelgehalt des bodens und seine beziehung zur pflanze. Fortschr. Landw. 3: 598-600. Jl.1, 1928. no.13.

Hilgendorff, G.
Ueber die bestimmung der haftfähigkeit von trockenbeizmitteln. Fortschr. Landw. 3: 725-729. Ag.15,1928. no.16.

Klinkowski, M.
Zur saugkraft des hafers. Fortschr. Landw. 3: 837-838. S.15, 1928. no.18.

Lohwag, H.
Ein weg zur bekämpfung der rostpilze auf grund neuester theoretischer erkenntnisse. Fortschr. Landw. 3: 879-882. illus. O.1,1928. no.19.

Mader, W.
Beitrag zur frage: vererbung quantitativer ährenmerkmale in der F_1 -generation bei bastardierung von vulgare-weizensorten. Fortschr. Landw. 3: 779-781. illus. S.1,1928. no.17.

Müller, J.
Der einflusz des klimas auf den bau des holzes verschiedener obstarten. Fortschr. Landw. 3: 295-299. Ap.1, 1928. no.7.

Niethammer, A.
Bemerkungen zur ermittlung der dosis toxica bei den steinbrandbeizmitteln. Fortschr. Landw. 3: 551-552. Je.15,1928. no.12.

Fortschr. Landw. (cont.)

Prochaska, M.
Beobachtungen über das auftreten von Peronospora arborescens (falscher meltau) auf Papaver somniferum. Fortschr. Landw. 3: 165-167. illus. F.15, 1928. no.4.

Taschdjian, E.
Saugkraftmessungen an baumwollsorten. Fortschr. Landw. 3: 159-160. F.15, 1928. no.4.

Taschdjian, E.
Saugkraftmessungen an tabaksorten. Fortschr. Landw. 3: 353-356. Apr.15, 1928. no.8.

Tschermak, E.
Die stammeltern unserer getreidearten. Fortschr. Landw. 3: 577-583. Jl.1, 1928. no.13.

Gard. Chron. (London)

Darnell, A. W.
The genus Primula (cont.) Gard. Chron. III, 85: 104-105, 124. F.9,16,1929. no.2198,2199.

Foister, C.E.
White tip disease of leeks. Gard. Chron. III, 85: 106. illus. F.9,1929. no.2198.
Caused by species of Phytophthora.

Friend, H.
Plant history in nomenclature. Oranges and lemons. Gard. Chron. III, 85: 122. F.16, 1929. no.2199.

Knight, F.P.
Propagation of rhododendrons by cuttings. (concl.) Gard. Chron. III, 85: 99. illus. F.9, 1929. no. 2198.

Ward, F.K.
Mr. F. Kingdon Ward's tenth expedition into Asia. Gard. Chron. III,85: 120-121. illus. F.16, 1929. no.2199.

Yeld, G.
Hemerocallis. Gard Chron. III, 85: 122-123. F.16,1929. no.2199.

Gard. Illus. (London)
Bartlett, F.M.
Hybridisation of lilies. Gard. Illus. 51: 90-91, 110. illus. F.1929. no.2605, 2606.

Gartenw. (Berlin)
Schwantes, G.
Mesembriaceen-studien. Gartenw. 33: 68-69. illus. F.1, 1929. no.5.
Cononphytum vanrhynsdorpense, C.ovigerum, n.sp. Monilaria (new genus) M.chrysoleuca.

Geogr. Journ. (London)
Oliphant, J.N. & Stevenson, D.
An expedition to the Cockscomb mountains, British Honduras, in March 1928. Geogr. Journ. 73: 123-137. illus. F.1929. no.2.

Horticulture. (Boston)
Wilson, E.H.
Leaves from a plant hunter's notebook no.2. Primula calciphila. Horticulture. 7: 76. illus. F.15,1929. no.4.

Illus. Landw. Zeit. (Berlin)
Engelbrecht, M.
Soll man gegen die kiefernschütte spritzen? Illus. Landw. Zeit. 48: 341. Je.29, 1928. no.26.
Disease in young trees due to Lophodermium pinastri held in check by two sprayings.

Industr. Mat. (Sangyo Shiro) Agr. Exp. Stat. So. Manchuria Railway Co. (Harbin)
Miura, M.
Flora of Manchuria and East Mongolia pt. III. Cryptogams, Fungi. Industr. Mat. (Sangyo Shiro) Agr. Exp. Stat. So. Manchuria Railway Co. no.27. 549 p. 6 pl. O.1928.
Japanese with English descriptions of new spec. and indexes of scientific names of fungi and host plants.

Industr. Saccarifera Ital. (Genova)
Commissione tecnica per lo studio dei problemi bieticola nazionali.
Esperimenti di lotta contra la Cercospora della barbabietola in Italia. Industr. Saccarif. Ital. 21: 311-319. Jl.1928. no.7.
By Mori, Baroni and Costa.

Iowa State Coll. Journ. Sci. (Ames, Ia.)

Haber, E.S.

Catalase and oxidase of the tomato as influenced by the soil reaction. Iowa State Coll. Journ. Sci. 3: 29-39. O.1928. no.1.

Journ. Agr. Res. (Washington)

Elliott, C. & Smith, E. F.

A bacterial stripe disease of sorghum. Journ. Agr. Res. 38: 1-22. pl.1-9. Ja.1,1929.

Bacterium andropogoni.

Harris, J.A.

The correlation between the soil salinity and flowering date in cotton. Journ. Agr. Res. 38: 109-112. Ja.15, 1929. no.2.

Jodidi, S.L. & Peklo, J.

Symbiotic fungi of cereal seeds and their relation to cereal proteins. Journ. Agr. Res. 38: 69-91. Ja.15, 1929. no.2.

Lauritzen, J.I.

Rhizoctonia rot of turnips in storage. Journ. Agr. Res. 38: 93-108. illus. Ja.15, 1929. no.2.

Probably a strain of R.solani.

Journ. Agr. Prat. (Paris)

Verchère, P.

Quelques semences de plantes adventices. Journ. Agr. Prat. n.s., 51: 74-75. col.pl. Ja.26, 1929. no.4.

Journ. Amer. Soc. Agron. (Geneva, N.Y.)

Bacon, C.W.

Some factors affecting the nicotine content of tobacco. Journ. Amer. Soc. Agron. 21: 159-167. illus. F.1929. no.2.

Janssen, G.

Effect of date of seeding of winter wheat upon some physiological changes of the plant during the winter season. Journ. Amer. Soc. Agron. 21: 168-200. F.1929. no.2.

Running title: Winter hardiness in wheat.

Journ. Amer. Soc. Agron. (cont.)

Jones, J.P.
The effect of other crops on tobacco.
Journ. Amer. Soc. Agron. 21: 118-129. F. 1929. no.2.

Klages, K.H.
Comparative ranges of adaptation of species of cultivated grasses and legumes in Oklahoma.
Journ. Amer. Soc. Agron. 21: 201-223. F.1929. no.2.

McMurtrey, J.E.jr.
Nutritional deficiency studies on tobacco.
Journ. Amer. Soc. Agron. 21: 142-149. illus. F.1929. no.2.

Journ. Assoc. Off. Agr. Chem. (Wash.,D.C.)

Schreiner, O.
The rôle of the rarer elements in soils, foods, and drugs. Journ. Assoc. Off. Agr. Chem. 12: 16-30. illus. F.15, 1929. no.1.

Journ. Bacteriol.

Baldwin, I.L.
Nomenclature of the root-nodule bacteria of the leguminosae. Journ. Bacteriol. 17: 141-150. F.1929. no.2.
Rhizobium leguminosarum, R.trifolii, R.phaseoli, R.meliloti, R.japonicum.

Journ. Bot. (London)

Drabble, E.
Senecio erraticum Bertolini in Britain.
Journ. Bot. 67: 42-44. F.1929. no.794.

Exell, A.W.
Mr. John Gossweiler's plants from Angola and Portuguese Congo. Dicotyledones, Polypetalae.
Journ. Bot. 67(Suppl.): 185-192. F.1929. no.794.

Exell, A.W.
Notes on some species of Combretum from Tanganyika territory. Journ. Bot. 67: 44-48. F. 1929. no.794.
C.migeodii sp.nov.

Journ. Bot. (cont.)

Moore, S.L.
New species of Acanthaceae from Rhodesia.
Journ. Bot. 67: 51-52. F.1929. no.794.
Lepidagathis persimilis sp.nov.

Moore, S.L.
New species of Papuan plants. Journ. Bot.
67: 49-51. F.1929. no.794.
Psychotria lolokiensis, Fagraea pluvialis, Couthovia brassii, Cyrtandra externata.

Moss, C.E. & Ramsbottom, J.
William Gardner Smith (1866-1928). Journ.
Bot. 67: 53-54. F.1929. no.794.

Nikitin, P.A.
The systematic position of the fossil genus
Diclidocarya E.M. Reid. Journ. Bot. 67: 33-38.
illus. pl. 589. F.1929. no.794.

Ramsbottom, J.
Daniel Alexander Boyd. (1855-1928). Journ.
Bot. 67: 52-53. F.1929. no.794.

Rendle, A.B.
Sir William Turner Thiselton-Dyer. (1843-1928).
Journ. Bot. 67: 54-57. F.1929. no.794.

Wolley-Dod, A.H.
On some varieties of Rosa tomentosa (scabriusculae). Journ. Bot. 67: 38-42. F.1929.
no.794.

Journ. Hered. (Washington)

Stanton, T.R. & Coffman, F.A.
Yellow-kerneled fatuoid oats. Journ. Hered.
20: 67-70. illus. F.1929. no.2.

Swingle, W.T., Robinson, T.R. & May, F.
The nurse-grafted y-cutting method of plant
propagation. Journ. Hered. 20: 79-94. illus.
F.1929. no.2.

Journ. N.Y. Bot. Gard.

Howe, M. A.
New York's first botanical garden. Journ.
N.Y. Bot. Gard. 30: 49-58. illus. Mr.1929. no.351.
Elgin botanic garden.

V.11, no.5, p.16.

Journ. N.Y. Bot. Gard. (cont.)
Small, J.K.
Peninsula Delmarva. Journ. N.Y. Bot. Gard. 30: 62-71. illus. Mr. 1929: no.351.
Delmarva name made from Delaware, Maryland, and Virginia.

Journ. Pharm. & Chim. (Paris)
Bridel, M.
Sur la présence de l'asparagine gauche dans les feuilles fraiche de l'Ulex europaeus L. Journ. Pharm. & Chim. III, 9: 112-113. Fe1, 1929. no.3.

Journ. Washington, Acad. Sci.
Berry, E. W.
A walnut in the Pleistocene at Frederick, Oklahoma. Journ. Washington Acad. Sci. 19: 84-86. illus. F.19,1929. no.4.

Kolloidchem. Beih. (Dresden)
Semec, M.
Stüdien über pflanzenkolloide XXIII. Lösliche stärken erhalten durch einwirkung von oxydationa-mitteln. Kolloidchem. Beih. 28: 155-165. illus. Ja.20, 1929. no.3/5.

Landtm. Tidskr. Landtm. (Stockholm)
Lindfors, T.
Ernst Henning. Landtm. Tidskr. Landtm. 12: 105. port. F.9,1929. no.6.
Notice of death on 4th of Feb.

Lindfors, T.
Om betydelsen av att beta höstutsädet. Landtm. Tidskr. Landtm. 11: 657-658. Ag.18, 1928. no.33.

Lindfors, T.
Potatiskräfta i landet! Landtm. Tidskr. Landtm. 11: 676-677. Ag.18, 1928. no.33.

Landw. Zeit. Westfalen u. Lippe (Münster i W.)
Haken, T.
Die moderne prüfung neuer kartoffelsorten auf krebsfestigkeit. Landw. Zeit. Westfalen u. Lippe. 85: 624-625. illus. Je.21, 1928. no.25.

V.11, no.5, p.17.

Leafl.For.Comm. Gt. Brit.
The Dutch elm disease. (Graphium ulmi Schwarz) Leafl. For. Comm. Gt. Brit. no. 19. 6 p. illus. D.1928.

The watermark disease of the cricket bat willow. Leafl. For. Comm. Gt. Brit. no. 20. illus. D.1928.

Matières Grass. (Paris)
Gillot, P.
Recherches sur les graines de l'Euphorbia esula L. Matières Grass. 21: 8390-91. Ja.15, 1929. no.249.

Mem. Soc. Vaud. Sci. Nat. (Lausanne)
Amann, J.
Nouvelles additions et rectifications à la flore des mousses de la Suisse. Mem. Soc. Vaud. Sci. Nat. 2: 3-64. illus. Ag.30, 1928. no.9.

Missouri Bot. Gard. Bull. (St. Louis)
Notable St. Louis gardens, III. Hazelwood: The garden of Mrs. S. W. Fordyce. Missouri Bot. Gard. Bull. 17: 27-30. 2 pl. F.1929. no.2.

A winter-flowering shrub native to Missouri (Hamamelis vernalis). Missouri Bot. Gard. Bull. 17: 30-32. pl.8-9. F.1929. no.2.

Mitt. Deut. Landw. Ges. (Berlin)
Geh. regierungsrat professor Dr. Phil. Dr. agr. h.c. Dr.med.vet. h.c. Wittmack. Mitt. Deut. Landw. Ges. 44: 121. F.9, 1929. no.6.
Notice of death, Feb.2, 1929.

Nature, (London)
Dillon,Weston, W.A.R.
Resistance of wheat varieties to bunt (Tilletia caries). Nature. 123: 243. F.16, 1929. no.3094.

Rendle, A. B.
Prof. J. M. Coulter. Nature. 123: 171-172. F.2, 1929. no.3092.

Prof. R. H. Yapp. Nature. 123: 249-250. F.16, 1929. no.3094.

Sir W. T. Thiselton-Dyer, K.C.M.G. Nature. 123: 212-215. F.9, 1929. no.3093.

Nauchno-Agron. Zhurn. (Journ. Landw. Wiss. Moskva)

Aleksandrov, V.G.
... Beiträge zur kenntnis der zuckerrübewurzel. Nauchno-Agron. Zhurn. (Journ. Landw. Wiss. Moskva) 5: 846-852. illus. 1928. no.12.
Russian with German summary.

Demidenko, T.T.
... About the nutrition of the flax and the exchange of substances in connection with flax-sickness of the nutrition solutions. Nauchno-Agron. Zhurn. (Journ. Landw. Wiss. Moskva) 5: 876-892. 1928. no.12.
Russian with English summary.

Nuovo Giorn. Bot. Ital. (Firenze)

Bolzon, P.
Contributo alla flora dell' Alto Adige. Nuovo Giorn. Bot. Ital. n.s., 35: 371-375. 1928. no.3.

Chiarugi, A.
"Dadoxylon aegyptiacum" Unger primo campione delle foreste pietrificato del Fezzan. Nuovo Giorn. Bot. Ital. n.s., 35: 403-409. illus. 1928. no.3.

Forti, A.
Alghe dell' Oasi di Giarabub raccolte nel 1926 dal Prof. G. Krüger. Nuovo Giorn. Bot. Ital. n.s. 35: 415-419. illus. 1928. no.3.
Amphora pampaninii, Navicula deserti n.spp.

Colla, S.
Sul ricambio idrico della crassulente. Nota II- Osservazioni sulle relezioni tra acqua e sali nei tessuti di alcune alofite. Nuovo Giorn. Bot. Ital. n.s., 35: 307-331. 1928. no.3.

Minio, M.
Le osservazioni fitofenologiche della rete italiana. Nuovo Giorn. Bot. Ital. n.s., 35: 344-357. 1928. no.3.

Savelli, R. & Costa, T.
Androcarpia in "Cucurbita moschata." Nuovo Giorn. Bot. Ital. n.s., 35: 332-337. pl. xii. 1928. no.3.

Nuovo Giorn. Bot. Ital. (cont.)

Savelli, R. & Costa, T.
Arrenoidia in "Cucurbita pepo L." e in "C. moschata Duch." Nuovo Giorn. Bot. Ital. n.s., 35: 381-402. illus. pl.xiii-xiv. 1928. no.3.

Savelli, R. & Costa, T.
Conversione spontanea della criptoparteno-carpia di "Cucurbita moschata" in partenocarpia obbligata. Nuovo Giorn. Bot. Ital. no.s., 35: 338-343. pl. xi. 1928. no.3.

Vignolo-Lutati, F.
Contributo alla flora delle langhe. Nota 6a Nuovo Giorn. Bot. Ital. n.s., 35: 358-370. 1928. no.3.

Orchid Rev. (Richmond, England)

Garnett, C. S.
Orchidological research and collecting expedition, Brazil, 1928. Orchid Rev. 37: 40-49. F.1929. no.428.

Mousley, H.
Further notes on Amesia (Epipactis) latifolia. in Canada. Orchid Rev. 37: 50-52. illus. F.1929. no.428.

Mousley, H.
Further notes on Malaxis brachypoda (Monophyllos) and M.unifolia formas bifolia. Orchid Rev. 37: 37-39. illus. F.1929. no.428.

Philipp, Agr. Rev. (Manila.)

Galang, F.G.
Coffee culture. Philipp. Agr. Rev. 21: 345-397. 7 pl. 1928. no.4.
Coffee diseases: p.377-384.

Padolina, F.
The wampi (wampee) - a valuable fruit. Philipp. Agr. Rev. 21: 439-441. 1928. no.4.
Clausena lansium.

Philipp. Journ. Sci. (Manila)

Copeland, E. B.
Leptochilus and genera confused with it. Philipp. Journ. Sci. 37: 333-416. illus., 32 pl. D.1928. no.4.
Leptochilus platyphyllus n.sp.; new species in Campium, Quercifilix n.gen., Q.zeylanica comb. nov.

Philipp. Journ. Sci. (cont.)
Santos, J.K.
A cytological study of Cocos nucifera Linnaeus. Philipp. Journ. Sci. 37: 417-437. 7 pl. D.1928. no.4.

Plant. & Sugar Manuf.(New Orleans)
Franklin S.Earle. Plant. & Sugar Manuf. 82: 131. F.16, 1929. no.7.
Obituary.

Preslia. (Praha)
Domin, K.
The plant associations of the valley of Radotin. Preslia. 7: 3-67. illus. (map) 1928.

Quart. Journ. Micros. Sci. (London)
Patten, R., Scott, M. & Gatenby, J.B.
The cytoplasmic inclusions of certain plant cells. Quart. Journ. Micros. Sci. 72: 387-401. illus.,pl.25. D.1928. no.3.

Queensl. Agr. Journ. (Brisbane)
Francis, W.D.
Queensland rain-forest trees. [Hemicyclia australasica] Queensl. Agr. Journ. 31: 70. illus. Ja.1,1929 no.1.

Rev. Agr. Puerto Rico.(San Juan)
Cook, M.T.
Tres enfermedades de la caña de azúcar encontradas recientemente en Puerto Rico. Rev. Agr. Puerto Rico. 22: 15-16, 39. 1929 no.7.
"Pokkah boeng", la enfermedad de las "rayas pardas" y la de "rayas rojas".

Rev. Gen. Sci. (Paris)
Beauverie, J.
Quelques tendances actuelles de la méthode naturelle en botanique. Rev. Gén. Sci. 40: 1-2. Ja.15,1929. no 1.

Science.(Lancaster, Pa.)
Fuller, G.D.
John Merle Coulter. Science. 69: 177-180. F.15,1929. no.1781.

Science. (cont.)

Kahlenberg, L. & Closs, J.O.
On the presence of aluminum in plant and animal matter. Science. 69: 186. F.15, 1929. no.1781.

Long, F.L.
Stomata which show functional movement for a century. Science. 69: 218-219. F.22, 1929. no. 1782.
In Carnegiea gigantea.

Molisch, H.
The movement of sap in plants. Science. 69: 217-218. F.22, 1929. no. 1782.
Practically the same as in Nature, 122: 168.

Peirce, G.J.
To demonstrate the course of sap ascent in plants. Science. 69: 186-187. F.15, 1929. no. 1781.

Scient. Month. (Lancaster, Pa.)

Laufer, B.
The American plant migration. Scient. Month. 28: 239-251. Mr.1929. no.3.

Tijdschr. Plantenz. (Amsterdam)

Bojtes, J. O.
Iets over het verband tusschen het "blauw" van de aardappelknollen en kaligebrek. Tijdschr. Plantenz. 35: 5-8. 1929. no.1.

Botjes, J.O.
De oorzaak van de beteekenis van onrijp gerooide knollen als pootgoed. Tijdschr. Plantenz. 35: 9-12. 1929. no. 1.

Bruyn, H.L.G.
Is ontbladering als bestrijdingswijze tegen phytophthoraziekte van de seringen gewenscht? Tijdschr. Plantenz. 34: 233-237. pl. viii-ix. S.1928. no.9.
Dutch with English summary: p.237-238. (Is picking the leaves as control measure for Phytophthora disease of lilacs desirable?)

Tijdschr. Plantenz. (cont.)

Spierenburg, D.
Een geval van beschadiging aan rozen door bliksem. Tijdschr. Plantenz. 34: 239-242. pl. x-xi. S.1928. no.9.

Verhoeven, W.B.L.
Het "blauw" worden bij verschillende aardappelsoorten. Tijdschr. Plantenz. 35: 3-4. 1929. no. 1.

Wellensiek, S.J.
De invloed van luchtvochtigheid op pootaardappelen tijdens de verwaring (The influence of atmospheric humidity on seed potatoes during storage). Tijdschr. Plantenz. 35: 13-24. pl. 1. 1929. no. 1.

Trans. Roy. Soc. Canada.

Harrison, F. C.
A systematic study of some Torulae. Trans. Roy. Soc. Canada. III, 22(V, Biol.Sci.): 187-225. 5 pl. My.1928. no.2.

Marie-Victorin, Frère.
Deux épibiotes remarquables de la Minganie. Trans.Roy. Soc. Canada. III, 22(V, Biol.Sci.): 163-176. incl. 2 maps. 4 pl. My. 1928. no.2.
Cypripedium passerinum var. minganense n.var.
Draba luteola var. minganensis n.var.

Thompson, W.P.
The genetics and cytology of a dwarf wheat. Trans. Roy. Soc. Canada. III, 22(V,Biol.Sci.): 335-348. illus. My.1928. no.2.

U.S. Dept. Agr. Circ.

Waite, M.B. & Siegler, E.A.
A method for the control of crown gall in the apple nursery. U.S. Dept. Agr. Circ. 376. 8 p. illus. N.1928 (Rec'd F.1929)
Rev., 1 ed. Ja.1926.

U.S. Dept. Agr. Techn. Bull.

Eaton, F.M. & Belden, G.O.
Leaf temperatures of cotton and their relation to transpiration, varietal differences and yields. U.S. Dept. Agr. Techn. Bull. 91. 39 p. illus. Ja.1929.

Zeitschr. Bot. (Jena)
Stark, P.
Die pollenanalytische durchforschung der Schweiz. Zeitschr. Bot. 21: 296-323. illus. Ja.29, 1929. no.6.

Zollikofer, C.
Untersuchungen zur floralen bewegung on Tussilago farfara. Zeitschr. Bot. 21: 273-295. illus. Ja.29, 1929. no.6.

Zeitschr. Forst- u. Jagdw. (Berlin)
Dengler, A.
Professor Dr. Frank Schwarz. Zeitschr. Forst- u. Jagdw. 61: 1-7. port. Ja.1929. no.1.
Verzeichnis der wissenschaftlichen veröffentlichungen von Frank Schwarz: p.6-7.

Zeitschr. Indukt. Abstamm. u.Vererbungsl. (Leipzig)
Eyster, W.H.
Five new genes in chromosome I in maize. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 49: 105-130. illus. 1929. no.2/3.

Haase-Bessel, G.
Chromosonenüberkreuzungen bei der rose "Konrad Ferdinand Meyer". Zeitschr. Indukt. Abstamm. u. Vererbungsl. 49: 146-162. illus. 1929. no.2/3.

Munerati, O.
La possibilite d'obtenir plusieurs générations de Beta vulgaris dans l'espace d'une année. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 49: 163-165. illus. 1929. no.2/3.

Zeitschr. Pilzk. (Leipzig)
Schmid, G.
Ein mykologische herbarium Junghuhns. Zeitschr. Pilzk. 8: 3-10. Ja.30, 1929. no.1.

Pieschel, E.
Einige beobachtungen über zweisporige hutpilze. Zeitschr. Pilzk. 8: 1-3. Ja.30,1929. no.1.

Exper. Stat. Publ.

Seal, J.L.
Coconut bud rot in Florida. Florida Agr. Exp. Stat. Techn. Bull. 199. 87 p. illus., fold.tab. S.1928 (Rec'd F.1929)

Wedgworth, H.H.
Degeneration diseases of the Irish potato in Mississippi. Mississippi Agr. Exp. Stat. Bull. 258. 11 p. illus. S.1928 (Rec'd F.1929)

Oregon agricultural experiment station.
Dept. of botany and plant pathology.
Direct. Bienn. Rep. Oregon Agr. Exp. Stat. 1926-28. p.97-101. S.1928.
H.P. Barss, M.B.McKay pathologists.

Sherbakoff, C.D.
Cotton diseases of special importance in Tennessee and their control. Tenn. Agr. Exp. Stat. Circ.24. [2] p. Ja.1929.

Gilbert, A.H.
Net-necrosis of Irish potato tubers. Vermont Agr. Exp. Stat. Bull.289. 36 p. illus., pl.i-xii. S.1928.

Newton, C.A.
[Report of] Dept. of plant pathology. Ann. Rep. West. Washington Exp.Stat. 1927/28: 21-23. O.1928 (Rec'd F.1929)

New Books.

Bělař, K.L.
Die cytologischen grundlagen der vererbung. Berlin, Borntraeger, 1928 (Handbuch der vererbungswissenschaft, hrsg. von E.Baur & M. Hartmann. bd.1. (B)

Cormack, M.
Trees and shrubs of Roger Williams Park. Providence,1928.

Delevoy, G.
La question forestière au Katanga (Congo Belge) v.1. Bruxelles, J.Lebègue & Cie., 1928.
Vol. 1. Notes sur la végétation forestière du Katanga.

New Books. (cont.)

Hanzlik, E.J.
Trees and forests of western United States. Portland, Ore., 1928.

Lindau, G.
Die höheren pilze, Basidiomycetes, mit ausschluss der brand- und rostpilze... In 3. aufl. völlig neu bearb. von E. Ulbrich. Berlin, J. Springer, 1928 (Kryptogamenflora für anfänger ... begründet von G. Lindau, fortgesetzt von R.Pilger. 1. bd.)

McClung, C.E.
Handbook of microscopical technique, for workers in both animal and plant tissues. N.Y., P.B. Hoeber, 1929.

Picbauer, R.
Fungi Jugoslavici. Publ. Sect. Inst. Agron. Brno. no.56. [4] p. 1927.
Reprinted from "Glasnika zemaljskog muzeja u Bosni 1 Hercegovini" XXXIX 1927. 1.(str. 163-166)

Rosendahl, C.O. & Butters, F.K.
Trees and shrubs of Minnesota. Minneapolis, University of Minnesota press, 1928.
Not considered a good edition of Clements, Rosendahl and Butters Minnesota trees and shrubs, tho the contents, particularly the illustrations, have been freely drawn upon.

Singer, C.
The herbal in antiquity. Bungay, Suffolk, Printed by R.Clay & Sons, 1927.
Reprinted from the Journal of Hellenic studies, v.47.

Zaprometov, N.G.
... Materials for the mycoflora of middle Asia. pt.2, Tashkent. Tashkent, 1928 (Uzbekist. Opytn. Stan. Zashch. Rast. Trudy no.11)
Russian with Latin description of new spec.

orrection.

List v.11, no.1, p.13. under Fruit-Grower, Fruiterer, Flor. & Market Gard.
The entry here given should be entered under title only, as it is not an article by F.E.Denny, but an editorial summary of his article "Chemical treatments for shortening the rest period of plants" published in Amer. Journ. Bot. v.15.

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY,
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.

Vol. 11, no. 6. March 5-16, 1929.

Agric. Colon. (Firenze)

Nicastro, C.
Il mate o tè del Paraguay (Ilex paraguariensis St.Hil.) (cont.) Agric. Colon. 23: 67-74. F.1929. no.2.

Amer. For. & For. (Wash.,D.C.)

Borah, A.
Trees of the Bible. IV. The olive tree and the fig. Amer. For. & For.Life. 35: 155-157, 190. illus. Mr.1929. no.3.

Amer. Fruit Grow. Mag. (Chicago)

Finchum, C. O.
The practical value of "fruit bud sports". Amer. Fruit Grow.Mag. 49(3): 10, 26. illus. Mr.1929. no.3.

Trumble, R.E.
The practical value of "fruit bud sports". Amer. Fruit Grow. Mag. 49(3): 10, 27. Mr.1929. no.3.

Amer. Journ. Bot.

Judson, J.E.
The morphology and vascular anatomy of the pistillate flower of the cucumber. Amer. Jour. Bot. 16: 69-86. pl. iv-viii. F.1929. no.2.

Saunders, E. R.
On a new view of the nature of the median carpels in the Cruciferae. Amer. Journ. Bot. 16: 122-137. illus. F.1929. no.2.

Sawyer, W.H. jr.
Observations on some entomogenous members of the Entomophthoraceae in artificial culture. Amer. Journ. Bot. 16: 87-121. pl. ix-xii. F.1929. no.2.

Amer. Midl. Nat. (Notre Dame, Ind.)

Farwell, O.A.
Contributions to the botany of Michigan, no.16 - Miscellany. Amer. Midl. Nat. 11: 261-269. N./Ja. 1928-29. no.6/7.

Amer. Midl. Nat. (cont.)

Grier, N.M. & Grier, C.R.
A list of plants growing under cultivation in the vicinity of Cold Spring Harbor, New York. Amer. Midl. Nat. 11: 307-387. N./Ja.1928-29. no.6/7.

Amer. Nat.

Beadle, G.W.
Yellow stripe - a factor for chlorophyll deficiency in maize located in the Pr pr chromosome. Amer. Nat. 63: 189-192. Mr./Ap.1929. no.685.

Imai, Y.
The segregation of albescent seedlings and the mutation to defective seeds in a pedigree of the Japanese morning glory. Amer. Nat. 63: 151-159. Mr./Ap.1929. no. 685.

Mangelsdorf, P.C.
The relation between length of styles and Mendelian segregation in a maize cross. Amer. Nat. 63: 139-150. Mr./Ap.1929. no.685.

Nebel, B.R.
Chromosomes counts in Vitis and Pyrus. Amer. Nat. 63: 188-189. Mr./Ap.1929. no.685.

Ann. Epiph. (Paris)

Dufrenoy, J.
Introduction a l'etude cytologique des plantes affectees par des maladies a virus. Ann. Epiph. 14: 163-174. pl.i-vii. Mr./Ap.1928 no. 2.

France. Station de pathologie végetale. de Paris.
Rapport phytopathologique pour les années 1926-1927 par le directeur de la Station Entomologique et le directeur de la Station de pathologie végétale de Paris. Ann. Epiph. 13: 383-499. N./D.1927 (Recd Mr.1929)
Station centrale de pathologie végétale de Paris. Rapport de M.Foex, directeur, p.484-491.
Station de pathologie végétale de Grignon. M. Ducomet, directeur, p. 493-497.
Station de pathologie végétale de Bordeaux, directeur, M.Gard, p.498-499.

Ann. Epiph. (cont.)

Gard, M.
Sur les causes de l'infecondité des noyers et de la vigne en 1926. Ann. Epiph. 14: 132-163. illus. Mr./Ap.1928. no.2.

Ann. Gembloux. (Brussels)

Verplancke, G.
Inspection sanitaire de la pomme de terre dans l'etat de Minnesota (Etats-Unis d'Amérique). Ann. Gembloux. 35: 1-9. Ja. 1929. no.1.

Ann. Appl. Biol. (London)

Bewley, W.F.
The effect of environmental conditions on plant diseases under glass. Ann. Appl. Biol. 16: 190-192. F.1929. no.1.

Cartwright, K.St.G.
Notes on a fungus associated with Sirex cyaneus. Ann. Appl. Biol. 16: 182-187. F.1929. no.1.
Basidiomycete, not named.

Dillon Weston, W.A.R.
The control of "bunt" in wheat. Ann. Appl. Biol. 16: 86-92. F.1929. no.1.

Goodwin, W. & Martin, H.
The action of sulphur as a fungicide and as an acaricide, pt.II. Ann. Appl. Biol. 16: 93-103. illus. F.1929. no.1.

Nutman, F. J.
Studies of wood-destroying fungi I. Ann. Appl. Biol. 16: 40-64. illus., pl.vi-viii. F. 1929. no.1.
I. Polyporus hispidus (Fries)

Sampson, K.
The biology of oat smuts. II. Varietal resistance. Ann. Appl.Biol. 16: 65-85. illus., pl.ix. F. 1929. no.1.

Smith, K.M.
Studies on potato virus diseases IV. Further experiments with mosaic. Ann. Appl. Biol. 16: 1-33. pl.i-v. F.1929. no.1.

Ann. Appl. Biol. (cont.)

Stoughton, R.H.

The relation of environmental conditions to angular leaf spot disease of cotton (Bacterium malvacearum E.F.S.). Ann. Appl. Biol. 16: 188-190. F.1929. no.1.

Verwoerd, L.

On two cases of recovery from a mosaic disease of tomato plants, Lycopersicum esculentum. Ann. Appl. Biol. 16: 34-39. F.1929. no.1.

Ann. Missouri Bot. Gard. (St.Louis)

Farr, C.H.

Studies on the growth of root hairs in solutions. IX. The PH-molar rate relation for collards in calcium nitrate. Ann. Missouri Bot. Gard. 16: 53-81. illus. F.1929. no.1.

Lieneman, C.

A host index to the North American species of the genus Cerospora. Ann. Missouri Bot. Gard. 16: 1-52. F.1929. no.1.

Zeller, S.M. & Dodge, C.W.

Hysterangium in North America. Ann. Missouri Bot. Gard. 16: 83-122. pl. 1-3. F.1929. no.1.

Ann. Rep. Dept. Agr. Gambia.

Rosette disease investigations. Ann.Rep. Dept. Agr. Gambia. 1927/28: 11-16. (1928)

Rosette of peanut.

Arch. Protistenk. (Jena)

Lohwag, H.

Mykologische studien. II. Geaster triplex Jungh. Arch. Protistenk. 65: 65-77. illus. Ja.31, 1929. no.1/2.

Biogr. Mem. Nat. Acad. Sci. (Washington)

Chittenden, R.H.

William Henry Brewer, 1928-1910. Biogr. Mem. Nat. Acad. Sci. 12: 135-169. port. 1928 (Rec'd Mr.1929) no.5.

Bol. Agencia Genal. Colón. Portugal (Lisboa)

Almeida, J.de.
O Dr. Frederico Welwitsch e a sua obra em Angola. Estudo critico-biográfico, compilação e anotações. Bol. Agencia Geral. Colón. Portugal. 4(33): 84-100; 4(34): 106-119. illus. Mr., Ap.1928.[Recd Mr.1929]

Figueiredo Gomes e Sousa, A.de.
Contribuição para o estudo florestal do Maiombe Português. Bol. Agencia Geral. Colón. Portugal. 4(34): 14-45. illus. Ap.1928 (Recd Mr.192] no.34.

Bol. Lab. Path. Veg. Bahia.

Bondar, G.
Relatorios annuaes de 1921 a 1927 [do Laboratorio de pathologia vegetal do estado da Bahia] Bol. Lab. Path. Veg. Bahia. 4. 51 p. 1928.

Boll. R. Staz. Patol. Veg. Roma. (Firenze)

Giuseppe Lopriore. Boll. R. Staz. Patol. Veg. Roma. n.s. 8: 455. O./D. 1928 (Rec'd Mr.1929) no.4.
Note of death, last of Dec.

Petri, L.
Di un nuovo metodo di cura del "mal dell'inchiostro" del castagno. Boll. R. Staz. Patol. Veg. Roma. n.s., 8: 339-356. illus. O./D.1928 (Rec'd Mr.1929) no.4.

Petri, L. & Cecco, M.de.
Ricerche sulle sostanze fluorescenti delle piante in rapporto ad alcuni fenomeni di fotolisi. Boll. R. Staz. Patol. Veg. Roma. n.s., 8: 374-406. illus., col.pl. O./D. 1928 (Rec'd Mr.1929) no.4.

Rivera, V.
Influenza dei "circuiti aperti" di Lakhovsky. sullo sviluppo di tumori nei vegetali. Boll. R. staz. Patol. Veg. Roma. n.s. 8: 357-373. illus. O./D. 1928 (Rec'd Mr.1929) no.4.

Rivera, V.
Trattamenti di tumori da Bacter. tumefaciens sopra Ricinus con tubi di emanazione di radio. Boll. R.Staz. Patol. Veg. Roma. n.s., 8: 428-444. illus. O./D. 1928 (Rec'd Mr.1929) no.4.

Sibilia, C.
Un nuovo genere di desmaziacee didimospore. Boll. R.Staz. Patol. Veg. Roma. n.s., 8: 445-448. illus. O./D.1928 (Rec'd Mr.1929) no.4.
Arthrobetryella hernica.

Bot. Jahrb. Engl. (Leipzig)

Bretzler, E.
Ueber den bau der platanenblüte und die systematische stellung der platanen. Bot. Jahrb. Engl. 62: 305-309. F.1, 1929. no.4.

Lauterbach, C.
Beiträge zur flora von Papuasien. XVI. Bot. Jahrb. Engl. 62: 338-416. pl.xxv. F.1, 1929. no.4.
118. Beiträge zur kenntnis der pittosporaceen von Neu-Guinea, E.Pritzel. 119. Die dichapetalaceen Papuasiens, K. Krause. 120. Die sterculiaceen Papuasiens, J. Milbraed. 121. Die violaceen Papuasiens, H. Melchior. 122. Die labiaten Papuasiens, R.Mansfeld. 123. Die Lentibulariaceen Papuasiens, H. Melchior. 124. Die compositen von Papuasien, Joh. Mattfeld.

Novepokrovsky, I.V.
Beiträge zur kenntnis der vegetation des niederungsgebietes von Daghestan. Bot. Jahrb. Engl. 62: 310-318. F.1, 1929. no.4.

Novopokrovsky, I.V.
Geobotanische untersuchung der Manytsch-steppe des Salschen bezirks in jahre 1926. Bot. Jahrb. Engl. 62: 319-320. F.1, 1929. no.4.

Reimers, H.
Beiträge zur kenntnis der südamerikanischen gentianaceen. Bot. Jahrb. Engl. 62: 321-337. F.1, 1929. no. 4.

Bothalia. (Pretoria)

Doidge, E.M.
South African rust fungi II. Bothalia. 2: 473-474. N.1928. no.2.

Doidge, E.M. & Sydow, H.
The South African species of the Meliolineae. Bothalia. 2: 424-472. N.1928. no.2.

Phillips, E. P.
An undescribed Leucospermum. Bothalia. 2: 474. N.1928. no.2.
L.patersonii

Bothalia. (cont.)

Stent, S.M.
South African Gramineae. An undescribed species of Schmidtia. Bothalia. 2: 421-423. N.1928. no.2.
S.bulbosa.

Verdoorn, I.C.
A revision of the Crotalarias of South and Southeast-Tropical Africa. Bothalia. 2: 371-420. N.1928. no.2.

Bull. Agence. Gén. Colon. France. (Paris)

Heim de Balsac, F., Deforge, A., Heim de Balsac, H., & Lefevre, L.
Contribution a l'étude des écorces tanniferes de la Guyane francaise. Bull. Agence Gén. Colon. France. 22: 119-142. F.1929. no.241.

Bull. Biol. France. & Belgique. (Paris)

Leblond, E.
Recherches sur la morphologie et la cinétique de quelques bio-colloides. Bull. Biol. France. & Belgique. 62: 415-477. illus., pl.9-10. D.15, 1928. no.4.

Bull. Coll. Agr. Univ. Alberta.

Henry, A. W.
Diseases of small grain crops. Bull. Coll. Agr. Univ. Alberta. 18 p. illus. D.1928.

Bull. Conn. Geol. & Nat. Hist. Surv.

Ennis, B.
The life forms of Connecticut plants and their significance in relation to climate. Bull. Conn. Geol. & Nat. Hist. Surv. 43. 1928.

Bull. Econ. Indochine. (Hanoi)

Crevost, Ch. & Pételet, A.
Catalogue des produits de l'Indochine. Plantes médicinales. Bull. Econ. Indochine. n.s., 32: 1-35. plates. 1929. no.199.

Sallet, A.
Eupatoires d'Indochine. Bull. Econ. Indochine. n.s., 32: 113-118. 1929. no.199.

Bull. Jard. Bot. Etat. Bruxelles.

Robyns, W.

Tentamen monographiae Vangueriae, generumque affinium. Bull.Jard. Bot. Etat. Bruxelles. (concl.) 11: 155-359. illus. Ag.1928. no.2.

Bull. Misc. Inform. Kew. (London)

Darnell-Smith, G.P.

The Kentia palm seed industry, Lord Howe Island. Bull. Misc. Inform. Kew. 1929: 1-4, 1929.

Hubbard, C.E.

Notes on African grasses, VIII. Snowdenia, a new genus from Uganda. Bull. Misc. Inform. Kew. 1929: 28-31. illus. 1929. no.1.

Hutchinson, J. & Dalziel, J.M.

Tropical African plants: VII. Bull. Misc. Inform. Kew. 1929: 16-28. 1929. no.1.

Kew. Royal gardens.

Decades kewenses. Plantarum novarum in hervario Horti regii conservatarum. Decas cxxii. Bull. Misc. Inform. Kew. 1929: 4-12. 1929. no.1.

Sprague, T.A.

Gardenia or Warneria. Bull. Misc. Inform. Kew. 1929: 12-16. 1929. no.1.

Bull. Soc. Chim. Biol. (Paris)

Bach, D.

Etude de l'hydrolyse fermentaire de l'asparagine par le mycélium de l'Aspergillus niger. Bull. Soc. Chim. Biol. 11: 119-145. F.1929. no.2.

Bull. Soc. Roy. Bot. Belg.(Bruxelles)

Beeli, M.

Contribution a l'étude de la flore mycologioue du Congo. Fungi Goossensiani V-VI. Bull. Soc. Roy. Bot. Belg. 60: 153-171. pl.iii-v; 61: 78-103. pl. iii-vi. 1928

Champignons récoltés par Mme. Gosssens.

Braecke, M.

Sur la présence d'hétéroglucosides dédoublables par l'émulsine dans le genre Pedicularis. Bull. Soc. Roy. Bot. Belg. 60: 118-121. 1928. no.2.

Bull. Soc. Roy. Bot. Belg.(cont.)

Choisy, M.
Existet-t-il un nouveau type de spores en mycologie? Bull. Soc. Roy. Bot. Belg. 61: 71-74. 1928. no. 1.

Hocquette, M.
Contribution a l'étude monographique des Agrostis. Bull. Soc. Roy. Bot. Belg. 61: 37-40. pl. i-ii. 1928. no.1.

Vandendries, R.
A propos des mutations hétérohomothalliques chez les champignons. Bull. Soc. Roy. Bot. Belg. 61: 75-76. 1928. no.1.

Wildeman, E.de.
A propos des forêts Congolaises leur régression necessités de leur étude biologique et de la création de réserves forestières. Bull. Soc. Roy. Bot. Belg. 61: 44-66. 1928. no.1.

Bult. Sci. Fak. Terkult. Kjusu Imp. Univ.

Koketsu, R. & Takenouchi, M.
Ueber den effekt der anwendung der "pulvermethode" für die bestimmung des stoffgehaltes im pflanzenkörper IV. Vergleichende bestimmung des aschengehaltes an den physiologisch und oekologisbh verschiedenen pflanzenkörpern. Bult. Sci. Fak. Terkult. Kjusu Imp. Univ. 3: 153-181. D.1928. no.2.
Japanese with German summary.

Canad. Field Nat. (Ottawa)

Alcock, F.J.
Notes on a Devonian plant and other observations on a visit to Cross Point, Gaspé. Canad. Field Nat. 43: 47-49. Mr.1929. no.3.
Occurrence of Nematophyton, a giant land alga.

Chinese Econ. Journ.

Chinese drugs from abroad. Chinese Econ. Journ. 4: 32-44. Ja.1929. no.1.

Compt. Rend. Acad. Sci. Paris.

Chevalier, A. & Russell, W.
Sur la sous-famille des érismées. Compt. Rend. Acad. Sci. Paris. 188: 565-567. F.18, 1929. no.8.
Founded on genus Erisma of Vochyaceae.

Daniel, L.
Hérédite des transformation ligneuses chez les descendants du soleil et du topinambour greffès. Compt. Rend. Acad. Sci. Paris. 188: 570-572. F.18, 1929. no.8.

Killian, C.
Développement et biologie d'Ambrosinia bassii. Compt. Rend. Acad. Sci. Paris. 188: 511-512. F.11, 1929. no.7.

Lakhovsky, G.
Explication des effets thérapeutiques des circuits oscillants ouverts sur l'organisme des etres vivants. Compt. Rend. Acad. Sci. Paris. 188: 657-658. F.25,1929. no.9.

Mazé, P.
La température moyenne des feuilles du mais exposées au soleil. Compt. Rend. Acad. Sci. Paris. 188: 567-569. F.18, 1929. no.8.

Nicolas, G. & Aggery, Mlle.
Sur un Heterosporium parasite de Viburnum odoratissimum Ker. Compt. Rend. Acad. Sci. Paris. 188: 648-650. F.25,1929. no.9.
H. polymorphum

Compt. Rend. Soc. Biol. Paris.

Abeloos, M.
Sur la régéneration dans les feuilles de Bryophyllum. Compt. Rend. Soc. Biol. Paris. 100: 416-417. F.15,1929. no.6.

Country Life. (Amer.) (Garden City, N.Y.)

Fox, H.M.
The lily sits for its portrait. Country Life. (Amer.) 55(5): 35-39. illus. Mr.1929.

Gregory, C.T.
Avoiding trouble among the peonies. Country Life. (Amer.) 55(5): 72-76. illus. Mr.1929.

Ernähr. Pflanze. (Berlin)

Meer, F.von

Ueber das wesen der gelbrostschutzwirkung von kalisalzdüngungen. Erhähr. Pflanze. 25: 73-77. col.pl. F.15, 1929. no.4.

Flor. Exch. (N.Y.)

Everett, T.H.

The damping-off disease and its control. Flor. Exch. 70(10): 36, 39. Mr.9, 1929. no.10.

Stanton, E.N. & Denny, F.E.

Forcing dormant woody plants with chemical vapors. Flor. Exch. 70(10): 11, 15, 36. illus. Mr.9,1929.

Flor. Rev. (Chicago)

Cannaday, J.E.

Causes of plant idsease. Flor.Rev. 63: 55-57. Mr.7, 1929. no.1632.

Fortschr. Landw.(Vienna)

Hueber, F.

Untersuchungen über die saugkraft verschiedener roggen- und weizensorten. Fortschr. Landw. 4: 97-100. F.15,1929. no.4.

Ufer, M.

Untersuchungen über die beziehung der behaarung der keimpflanzen zum sommer- bzw. wintercharakter beim weizen. Fortschr. Landw. 4: 106-110. F.15, 1929. no.4.

Gard. Chron. (London)

Cotton, A.D.

A fungous disease of Meconopsis. Gard.Chron. III, 85: 143-144. F.23,1929. no2200.

Caused by Peronospora arborescens.

Darnell, A.W.

The genus Primula (cont.). Gard.Chron. III, 85: 142-143, 165-166. F.23,Mr.2, 1929. no.2200, 2201.

Gard. Chron. (cont.)

A new disease of chrysanthemums. Gard.Chron. III, 85: 133. F.23,1929. no.2200.

Described at a meeting of the Glasgow and West of Scotland Horticultural Society on Feb.20,1929. Cause unknown, may be absence of potash or a mosaic disease.

Notes from a New Zealand plant hunter. Gard. Chron. III, 85: 140,161. illus. F.23,Mr.3, 1929. no.2200,2201.

Ward, F.W.

Mr. F.Kingdon Ward's tenth expedition in Asia. Gard.Chron. III, 85: 138-139,162-163. illus. F.23,Mr.2, 1929. no.2200,2201.

Gartenbauwissensch. (Berlin)

Golińska, H.

Einige beobachtungen über die morphologie und anatomie der radieschenknolle. Gartenbauwissensch. 1: 488-499. illus. 1929. no.5.

Niethammer, A.

Die beeinflussung der pollenkeimung unserer nutz- und ziergewächse durch die verschiedensten giftstoffe, die im pflanzenschutzdienste angewendet werden. Gartenbauwissensch. 1: 471-487 1929. no.5.

Pape, H.

Der pilze Marssonia panattoniana Berl. als schädling des samensalates. Gartenbauwissensch. 1: 524-527. illus. 1929. no.5.

Guatemala Agr.

Johnston, J.R.

La enfermedad pananmena o la marchitez del banano. Guatemala Agr. 2: 81-93. illus. F.15, 1929. no.21.

Giorn. Risicolt. (Vercelli)

Borasio, L.

Le nostre ricerche sugli stimolanti. Giorn. Risicolt. 18: 97-100. illus. Je.1928. no.6.

Stimulation of seeds by uspulun and cerere.

Gladiolus Rev. (Rochester, N.Y.)
Dietz, H.F.
Gladiolus bulb diseases. Gladiolus Rev. 6: 95-106. illus. Mr.1929. no.3.

Sheely, C.E.
Do glads change color? Gladiolus Rev. 6: 107-108. Mr.1929. no.3.
Editor's note suggests change may be due to decline of plant vigor.

Hacienda. (Buffalo)
Garcia Pena, F.
Profilixia y terapéutica de las enfermedades criptogamas. Hacienda. 23: 332-334, 370-371. illus. S., O., 1928. no.9, 10.

Wilson, J.R.S.
La "escoba de bruja" del cacao. Hacienda. 24: 27. illus. Ja.1929. no.1.
Marasmius perniciosus.

Horticulture (Boston)
Wilson, E.H.
Leaves from a plant hunter's notebook, No.3- The Chinese witch-hazel. Horticulture. 7: 103-104. illus. Mr.1, 1929. no.5.

Indische Cult. (Soerbaja)
Thomson, D.
Eenige fraaie Australische aard-orchideeën. Indische Cult. 14: 111-114. illus. F.1,1929. no.3.
Pterostylis.

Indische Mercuur (Amsterdam)
Spoon, Ir.W.
Eerste beoordeelingen van sucade-vruchten uit Suriname. Indische Mercuur. 52: 139-141. illus. F.20,1929. no.8.
Citrus medica.

Ital. Agr. (Milan)
Savelli, R.
Variazione brusca "aclada" o "monocaulis" in Cannabis sativa L. Ital. Agr. 66: 6-12. illus. Ja.1929. no.1.

Ital. Agr. (cont.)

Todaro, F. & Mosneaga, W.
Il mais in relazione alla siccita. Ital. Agr. 66: 1-5. Ja.1929. no.1.

Jahrib. Wiss. Bot. (Leipzig)

Arens, K.
Physiologische untersuchungen an Plasmopara viticola, unter besonderer berücksichtigung der infektionsbedingungen. Jahrb. Wiss. Bot. 70: 93-157. illus. Ja.1929. no.1.

Arens, K.
Untersuchungen über keimung und zytologie der oosporen von Plasmopara viticola (Berl. et de Toni). Jahrb. Wiss. Bot. 70: 57-92. illus. Ja.1929. no.1.

Fitting, H.
Ueber die auslösung von plasmaströmung durch optisch-aktive aminosäuren. Jahrb. Wiss. Bot. 70: 1-25. Ja.1929. no.1.

Luippold, E.
Ueber den einfluss kulturtemperatur und des nährbodens auf die wirkungsgeschwindigkeit der diastase von Aspergillus niger nebst betrachtungen. Jahrb. Wiss. Bot. 70: 26-56. illus. Ja.1929. no. 1.

Niklewski,B. & Krause, A.
Ueber den einfluss der kolloidsubstanzen auf die entwicklung des wurzelsystems der pflanze. Jahrb. Wiss. Bot. 70: 158-162. illus. Ja.1929. no.1.

Journ. Agr.Res. (Washington)

Abegg, F.A.
Some effects of the waxy gene in maize on fat metabolism. Journ. Agr.Res. 38: 183-193. F.1, 1929. (Rec'd F.28) no.3.

Clark, J.A. & Quisenberry, K.S.
Inheritance of yield and protein content in crosses of Marquis and Kota spring wheats grown in Montana. Jour. Agr.Res. 38: 205-217. F.15, 1929.(Mr.). no.4.

Journ. Agr.Res. (cont.)

Fulton, H.R. & Coblentz, W.W.
The fungicidal action of ultra-violet radiation. Journ. Agr.Res. 38: 159-168. 3 pl. F.1, 1929.(Rec'd F.28) no.3.

Johnston, C.O. & Melchers, L.E.
Greenhouse studies on the relation of age of wheat plants to infection by Puccinia triticina. Journ. Agr.Res. 38: 147-157. 3 pl. F.1, 1929.(Rec'd F.28) no.3.

Nelson, C.I. & Birkeland, J. M.
A serological ranking of some wheat hybrids as an aid in selecting for certain genetic characters. Journ. Agr.Res. 38:169-181. F.1,1929.(Rec'd F.28)no.3.

Ramsey, G.B. & Bailey, A.A.
Development of nailhead spot of tomatoes during transit and marketing. Journ. Agr.Res. 38: 131-146. 1 pl. F.1, 1929.(Rec'd F.28) no 3.

Journ. Biol. Chem. (Baltimore)

Crist, J.W. & Dye, M.
The association of vitamin A with greenness in plant tissue. II. The vitamin A content of asparagus. Journ. Biol. Chem. 81: 525-532. Mr. 1929. no.3.

Jones, D.B. & Gersdorff, C.E.F.
Proteins of the avocado (Persea americana Mill.) Journ. Biol. Chem. 81: 533-539. Mr.1929. no.3.

Journ. Dept. Agr. So.Australia (Adelaide)

Hill, R.
A splendid sand-binding grass, Ehrharta villosa, variety maxima (South African Pyp grass). Journ. Dept. Agr. So.Australia. 32: 512-513. illus. Ja.15, 1929. no.6.

Journ.Dept. Agr. West.Austral. (Perth)

Carne, W.M.
Bitter pit in apples. Journ. Dept. Agr. West. Austral. 5: 371-381. illus. D.1928. no.4.

Journ. Dept. Agr. West. Austral. (cont.)

Carne, W.M., Adams, A.B. & Gardner, C.A.
Sorrel. (Rumex acetosella Linn.) Journ. Dept. Agr. West. Austral. 5: 431-433. illus. D.1928. no.4.

Limbourn, E.J.
Flag smut resistance tests,1928. Journ. Dept. Agr. West. Austral. 5: 453-457. D.1928. no.4.

Journ. For. (Wash., D.C.)

Perry, C.C.
Cost of blister rust control work. A "carrying charge" in the production of white pine. Journ. For. 27: 50-54. Ja.1929. no.1.

Rosendahl, C.O.
Betula cordifolia, a well-marked species in the Lake Superior region. Journ. For. 26: 878-882. illus. N.1928. no.7.

Journ. Genetics. (London)

Darlington, C.D.
Ring-formation in Oenothera and other genera. Journ. Genetics. 20: 345-363. illus. Ja.1929. no.3.

Harland, S.C.
The genetics of cotton. Journ. Genetics. 20: 365-385. pl.ix (col.); 387-399. pl. x(col.) Ja.1929. no 3.
I. The inheritance of petal spot in newworld cottons. II. The inheritance of pollen colour in new world cottons.

Newton, W.C.F. & Pellew, C.
Primula kewensis and its derivatives. Journ. Genetics. 20: 405-467. illus. pl.xi-xiii (col.) Ja.1929. no.3.
P. floribunda x P.verticillata.

Salaman, R.N.
Genetic studies in potatoes: abnormal segregation in families arising from the cross S.utile x S.tuberosum. Journ.Genetics. 20: 311-343. illus., pl.v-viii. Ja.1929. no.3.

Journ. Roy. Hort. Soc.(London)

Brown, N.E.
The genus Dierama, K.Koch and Bouché
Journ. Roy. Hort. Soc. 54: 193-202. Ja.1929. no.1.

Buxton, B.H. & Darbishire, F.V.
The pH value of cell sap of flowers. Journ. Roy. Hort. Soc. 54: 203-213. Ja.1929. no.1.

Gibbs, V.
Robinias at Aldenham and Kew. Journ.Roy. Hort. Sco. 54: 145-158. illus. Ja.1929. no.1.

Ingram, C.
Notes on Japanese cherries. II. Journ. Roy. Hort. Soc. 54: 159-180. illus. Ja.1929. no. 1.

Hampton, F.A.
The scent of flowers. Journ.Roy. Hort. Soc. 54: 138-144. Ja.1929. no.1.

Handel-Mazzetti, H.
The natural habitats of Chinese primulas. Journ. Roy. Hort. Soc. 54: 51-62. plates. Ja. 1929. no.1.

Huskins, C.L.
Primula juliae and its hybrids with the primrose and the oxlip. Journ. Roy. Hort. Soc. 54: 95-100. no.1.

McLaren, H.D.
Asiatic primulas for the garden. Journ. Roy. Hort. Soc. 54: 63-68. plates. Ja.1929. no.1.

Newton, W.C.F. & Pellew, C.
Primula x kewensis and its derivatives. Journ. Roy. Hort. Soc. 54: 91-94. Ja.1929. no.1.

Winton, D.de.
Inheritance in Primula sinensis. Journ. Roy. Hort. Soc. 54: 84-90. Ja.1929. no.1.

Smith, W.W. & Forrest, G.
The sections of the genus Primula. Journ. Roy. Hort. Soc. 54: 4-50. plates. Ja.1929. no.1.
Reprinted with alterations from Notes Roy. Bot.Gard. Edinburgh. v.16.

Journ. Washington Acad. Sci.

Berry, E.W.

A fossil Meliosma from the Miocene of California. Journl Washington Acad. Sci. 19: 99-100. illus. Mr.4, no.5.

M.californica.

Kranke Pflanze. (Dresden)

Manschke,R.

Schädliche wirkung des bituminösen strassenstaubs auf die vegetation. Kranke Pflanze. 6: 23-25. F.1929.

Kühn-Arch. (Berlin)

Becker, J.

Untersuchung über die lebensfähigkeit von uredosporen von Puccinia glumarum. Kühn-Arch. 19: 353-411. illus., tables. 1928.

Genau, A.

Methoden der künstlichen infektion der gerste mit Helminthosporium gramineum und studien über die anfälligkeit verschiedener sommergersten diesem pilz gegenüber. Kühn-Arch. 19: 303-351. tables. 1928.

Hermann, W.

Die unterscheidung von weizensorten durch phenolfärbung der samen. Kuhn-Arch. 19: 11-65. 1928.

Kamlah, H.

Untersuchungen über die befruchtungsverhältnisse bei kirschen-und birnensorten. Kühn-Arch. 19: 133-195. illus., 2 pl., tables. 1928.

Roemer, T.

Gibt es biologische typen vom/steinbrand (Tilletia tritici) des weizens? Kühn-Arch. 19: 1-10. 1928.

Landw. Jahrb. (Berlin)

Krzymowski, R.

Das werk von A. Maurizio. "Die geschichte unserer pflanzennahrung von den urzeiten bis zur gegewart" (1927) Landw. Jahrb. 68: 525-536. 1929. no.4.

Landw. Jahrb. (cont.)

Scheel, R.

Die ausbildung des fasergehalts bei flachs (Linum usitatissimum) unter verschiedenen wachstumsbedingungen. Landw. Jahrb. 68: 489-523. 1929. no.4.

Schwalbe, B.

Entwicklungsrhythmus verschiedener zuchtrichungen der zuckerrübe. Landw. Jahrb. 68: 603-657. illus. 1929. no.4.

Lesnická Práce. (Pisek, Moravia.

Růžička, J.

Chrsysomyxa abietis (Unger) z r. 1928 a vliv počasí na její rozšíření (Chrysomyxa abietis i J. 1928 und der einfluss der witterung auf ihre verbreitung) Lesnická Prace. 8: 33-37. 1929. no.1.

Occurrence at Milevsko in southern Bohemia indicates that Ch.abietis has an alternate host, like Ch. rhododendri, Ch.ledi and Ch.pirolar; also unfavorable effect of extremes of climate.

Malayan For. Rec.

Watson, J.G.

Malayan plant names. Malayan For. Rec. 5: 17-277. 1928.

Mazama (Portland, Ore.)

Ingram, D.C.

Historical backgrounds of some of our northwestern plants. Mazama. 10: 57-63. illus. D.1928. no.12.

Meded. Deli Proefst. Medan. Sumatra.

Akar toeba (Derris elliptica) het bestrijdingsmiddel van de tabaksluis (Myzus persicae) in Deli. Meded. Deli Proefst. Medan, Sumatra. II, 58. 61 p. 2 pl. [Rec'd Mr.1929]

In Dutch, English summary, p.54-58.

"Gebruikte literatuur" p.59-61.

i. Inleiding, J.Kuijper; ii. Botanische beschrijving en cultuur van de akar toeba, S.C.J. Jochems; iii. De bereiding van akar toeba extract, B.Ph.M. de Groot; iv. Controle van de giftige eigenschappen van akar toeba volgens de biologische methode, J.C. van der Meer Mohr; v. De Werking van akar toeba op de tabaksluis... J.K.de.Jong; vi. De werking van akar toeba op tabaksrupsen, J.C. van der Meer Mohr; vii. Overzicht der chemische onderzoekingen, P.A. Rowaan.

Mem. Bot. Surv. So. Africa. (Pretoria)
Galpin, E. E.
Botanical survey of the Springbok flats Transvaal. Mem. Bot. Surv. So. Africa. 12. vi, 100 p. illus., map. 1927.

Mem. Dept. Agr. India, Bot. Ser.
Kulkarni, G.S. & Mundkur, B.B.
Studies in the wilt disease of cotton in the Bombay Karnatak, series I. Mem. Dept. Agr. India Bot. Ser. 17: 7-27. iv pl. O.1928. no.2.

Shaw, F.J.F. & Khan, K.S.A.R.
Studies in Indian chillies. Mem. Dept. Agr. India. Bot. Ser. 16: 59-82. illus. v pl. (4 col.) S.1928. no.2.
I. The types of Capsicum.

Sundararaman, S. & Ramakrishnan, T.S.
Foot-rot and wilt of antirrhinums. Mem. Dept. Agr. India Bot. Ser. 16: 83-100. vii pl. S.1928. no.3.
Phytophthora pini var. antirrhini.

Trought, T.
Non-dehiscence of anthers in Punjab-American cottons. Mem. Dept. Agr. India Bot. Ser. 17: 1-5. ii pl. O.1928. no.1.

Mitt. Deut. Dendrol. Ges.
Andréjeff, W.
Ueber die eigentumlichkeiten zweier birken. Mitt. Deut. Dendrol. Ges. 40: 53-56. 1928.
Betula pubescens Ehrh. var. glabra Fiek., and B. Kirghisorum.

Brussoff, A.
Ueber die ursache des ulmensterbens. Eine erwiderung auf den artikel von Dr. C. Stapp... Mitt. Deut. Dendrol. Ges. 40: 292-297. pl.47-28. 1928.

Funk, G.
Gehölze wälder und waldzerstörungen am Aetna. Mitt. Deut. Dendrol. Ges. 40: 193-197. pl.37-38. 1928.

V.11, no.6, p.21.

Mitt. Deut. Dendrol. Ges. (cont.)

Funk, G.

Notizen zur morphologie und biologie der waldbäume. Mitt. Deut. Dendrol. Ges. 40: 197-201. pl. 39-41. 1928.

1. Ueber eine neue panaschierung an stieleiche. 2. Ueber echte gabelung (dichotomie) an Robinia pseudacacia. 3. Ueber "omorica-nadeln" an Picea excelsa. 4. Ueber zwei eigentümliche panaschierungen an buche.

Graebner, P.

Die Parthenocissus-arten. Mitt. Deut. Dendrol. Ges. 40: 1-10. 1928.

Holdt, F.v.

Juglans nigra, die schwarznusz in ihrer heimat. Mitt. Deut. Dendrol. Ges. 40: 201-207. pl.42-44. 1928.

Kannigiesser, F.

Dendrologische toxicologie II. Mitt. Deut. Dendrol. Ges. 40: 135-138. 1928.

Koch, F.

Auf dem Bromo und Ranandjan in Ost-Java. Mitt. Deut.Dendrol. Ges. 40: 71-75. pl.9-10. 1928.

Küster, E.

Beiträge zur kenntnis der panaschierten gehölze. XVIII-XXII. Mitt. Deut. Dendrol. Ges. 40: 258-267. illus. 1928.

Kupffer, K.R.

Adoption von fichtenzweigen durch kiefernstämme. Mitt. Deut. Dendrol. Ges. 40: 126-135. pl. 17-18. 1928.

Liese, J.

Die rostpilzerkrankungen der waldbäume. Mitt. Deut. Dendrol. Ges. 40: 158-175. illus. pl. 31-34. 1928.

Maléjeff, W.P.

Koniferen-naturalisation an der kaukasischen küste des Schwarzen meeres und der südküste der Krim. Mitt. Deut. Dendrol. Ges. 40: 62-70. pl.7-8. 1928.

Mitt. Deut. Dendrol. Ges. (cont.)

Maléjeff, W.
Schema einer naturlichen klassifikation der cupressus-arten. Mitt. Deut. Dendrol. Ges. 40: 57-61. 1928.

Marzell, H.
Die deutschen bäume in der volkskunde. 4. Die eibe, Taxus baccata. Mitt. Deut. Dendrol. Ges. 40: 105-110. 1928.

Munch, E.
Frostgefährdung wintergruner gehölze. Mitt. Deut. Dendrol. Ges. 40: 175-184. 1928.

Scharfetter, R.
Die hopfenbuche, Ostrya carpinifolia Scop., in den ostalpen. Mitt. Deut. Dendrol. Ges. 40: 11-19. pl. 1-2 (maps) 1928.

Schwerin, F.G.v.
Nachrufe. Ludwig Beissner. 1843-1927. Mitt. Deut. Dendrol. Ges. 40: xix-xxi. port. 1928.
Died D.21, 1927.

Sprenger, C.
Ueber einige baumarten Griechenlands, I. Mitt. Deut. Dendrol. Ges. 40: 76-85. 1928.

Stapp, C.
Ueber die ursache des ulmensterbens. Mitt. Deut. Dendrol. Ges. 40:139-146. illus. 1928.
According Brussoff due to fungus, Graphium ulmi, and bacterium, Micrococcus ulmi, together with non-parasitic causes. Author finds "Micrococcus ulmi" non pathogenic, and disease due to Graphium ulmi.

Starcs, K.
Uebersicht uber die arten der gattung Syringa L. Mitt. Deut. Dendrol. Ges. 40: 31-49. 1928.

Suringar, J.V.
Die botanische nomenklatur. Mitt. Deut. Dendrol. Ges. 40: 298-306. illus. 1928.

Mitt. Deut. Dendrol. Ges. (cont.)

Suringar, J.V.
Nomenklatur-vorschläge an der hand der internationalen nomenklaturregeln 1905-10. Mitt. Deut. Dendrol. Ges. 40: 306-312. 1928.
Auf wunsch des verfassers aus dem Holländischen übersetzt von Dr. Höfker.

Uphof, J.C.T.
Dendrologische notizen aus dem staate Florida V. Mitt. Deut. Dendrol. Ges. 40: 226-245. illus., pl.45-46. 1928.
v. Biologische und morphologische beobachtungen über verschiedene pflanzen-gesellschaften. 1. Die gehölze der xerophytischen gebüsche.

Voigtländer, B.
Herbstfärbende gehölze. Mitt. Deut. Dendrol. Ges. 40: 111-117. 1928.

Wehrhahn, H.R.
Fritz von Oheimb. 1848-1928. Mitt. Deut. Dendrol. Ges. 40: xxii. port. 1928.
Died O.11, 1928, aged 80 years.

Wein, K.
Die geschichte der Syringa persica. Mitt. Deut. Dendrol. Ges. 40: 245-257. 1928.

Monatsh. Chem. (Vienna)

Dischendorfer, O. & Polak, O.
Untersuchungen auf dem gebiete der phytochemie V. Ueber das allobetulin. Monatsh. Chem. 51: 43-58. Ja.1929. no.1.

Mycologia.

Arthur, J. C.
Another fern rust of the genus Desmella. Mycologia. 21: 77-78. illus. Mr./Ap.1929. no.2.

Benedict, D.M.
Ustilago echinata Schroet. Mycologia. 21: 84-85. illus. Mr./Ap.1929. no.2.

Fraser, W.P. & Ledingham, G. A.
Studies of the sedge rust, Puccinia caricis-shepherdiae. Mycologia. 21: 86-89. pl.10. Mr./Ap. 1929. no.2.
"Aecidium arctoum on Elaegnus angustifolia and Aecidium allenii on Elaeagnus commutata, Lepargyraea canadensis and L.argentea are from these studies assigned to Puccinia caricis-shepherdiae".

Mycologia. (cont.)

Moss, E.H.
The uredinia of Melampsora and Coleosporium. Mycologia. 21: 79-83. illus. Mr./Ap.1929. no.2.

Sparrow, F.K.jr.
A note on the occurrence of two rotifer-capturing Phycomycetes. Mycologia. 21: 90-96. illus. Mr./Ap. 1929. no.2.

Weston, W.H.
Observations on Loramyces, an undescribed aquatic ascomycete. Mycologia. 21: 55-76. pl.8-9. Mr./Ap.1929. no.2.
Loramyces juncicola (Systematic position not determined).

Zeller, S.M.
Contribution to our knowledge of Oregon fungi, III. Mycologia. 21: 97-111. illus. Mr./Ap. 1929. no.2.

Nature. (London)

Walkom, A.B.
Mr. R.H. Cambage, C.B.E. Nature. 123: 286-287. F.23, 1929. no.3095.

Nature Mag. (Wash., D.C.)

Chestnut, A.
The national arboretum. Nature Mag. 13: 227-229. Ap.1929. no.4.

Naturforsch. (Berlin)

Hossëus, O.
Windsheimer aehren. Widdringtonites oder Voltzia? Naturforsch. 5: 469-475. illus., pl.82-83. F.1929. no.11.

Nederl. Kruidk. Arch. (Amsterdam)

Dieren, J.W.van.
Herkomst, uitbreiding en cultuur van Vaccinium macrocapon Ait. in Nederland. Nederl. Kruidk. Arch. 1928: 82-129. F.15, 1929. no.2.

Kloos, A.W. & Leeuw, W.C.de.
De spontane vegetatie van den proefpolder te Andijk in 1928. Nederl. Kruidk. Arch. 1928: 149-161. illus. F.15, 1929.

Nederl. Kruidk. Arch. (cont.)
Kloos, A. W.
In memoriam Wilhelm Becker. Nederl. Kruidk. Arch. 1928: 172-173. F.15, 1929. no.2.

New Jersey Agr. (New Brunswick)
Haenseler, C.M.
Fertilizers reduce pea root rot. New Jersey Agr. 11: 3. Mr.1929. no.3.

New Zeal. Journ. Agr. (Wellington)
Campbell, J.A.
Control of fireblight in the orchard. Hints to fruitgrowers. New Zeal. Journ. Agr. 38: 35-36. Ja.21, 1929. no.1.
Cutting out cankers; removal of hawthorn hedges.

Cunningham, G.H.
The New Zealand plant research station. Current mycological investigations. New Zeal. Journ. Agr. 38: 1-9. illus. Ja.21,1929. no.1.

Ochrana Rostlin. (Prague)
Baudys, E.
Fytopathologické poznámky IV.(Phytopathologische bermerkungen) Ochrana Rostlin. 8: 151-162. illus. D.5, 1928. no.6.
Czechoslavakian with German summary.
Dilophospora graminis on Salix viminalis, Sclerotium rhizoides on Phalaris arundinaceam, Gloeosporium tiliae on linden.

Blattný, C.
Význačná ochuravění zdřevnatělých caští a mladých výhonů chmele. Ochrana Rostlin. 8: 137-150. illus. D.5, 1928. no.6.
Diseases of hops.

Hruban, V.
Konservace dřeva v zemédělství. Ochrana Rostlin. 8: 162-176. illus. D.5, 1928. no.6.
Wood preservation.

Oesterr. Bot. Zeitschr. (Wien)
Klein, G. & Sonnleitner, H.
Der mikrochemische nachweis der alkaloide in der pflanze. IX[X] Der nachweis der "solanaceen-alkaloide". Oesterr. Bot. Zeitschr. 78: 9-66. illus. Ja.31, 1929. no.1.

Oesterr. Bot. Zeitschr. (cont.)

Klein, G.
Zur kritik des mikrochemischen nachweises der alkaloide in der pflanze. Oesterr. Bot. Zeitschr. 78: 67-70. Ja.31, 1929. no. 1.

Linsbauer, K.
Fortschritte der pflanzlichen reizphysiologie. Sammelbericht. Oesterr. Bot. Zeitschr. 78: 81-93. Ja.31, 1929. no.1.

Uphof, J.C.T.
Beitrage zur kenntnis der burmanniacee Apteria aphylla (Nutt.) Barnhart. Oesterr. Bot. Zeitschr. 78: 71-80. illus. Ja.31, 1929. no.1.

Ohio Journ. Sci. (Columbus)

Schaffner, J.H.
Heredity and sex. Ohio Journ. Sci. 29: 1-26. F.12,1929. no.1.

Webster, J.E.
Iodine value of fatty acids from plant phosphatides. Ohio Journ. Sci. 29: 39-42. F.12, 1929. no.1.

Phytopath. (Lancaster, Pa.)

Black, L.M.
A new and striking abnormality in potato plants. Phytopath. 19: 175-176. F.1929. no.2.

Christensen, J.J.
The influence of temperature on the frequency of mutation in Helminthosporium sativum. Phytopath. 19: 155-162. illus. F.1929. no.2.

Hartley, C. & Haasis, F.W.
Brooming disease of black locust (Robinia pseudacacia). Phytopath. 19: 163-166. illus. F.1929. no.2.
?Virus disease.

Hoggan, I.A.
The peach aphid (Myzus persicae Sulz) as an agent in virus transmission. Phytopath. 19: 109-123. illus., pl.1-2. F.1929. no.2.

Phytopath. (cont.)

Horsfall, J.G.
Dusting seeds for oat smuts. Phytopath. 19: 173-175. F.1929. no.2.

Richards. B.L.
White spot of alfalfa and its relation to irrigation. Phytopath. 19: 125-141. illus. F.1929. no.2.

Taubenhaus, J.J., Dana, B.F., Ezekiel, W.N., Bach. W.J. & Lusk, J.P.
A method of inoculation for Phymatotrichum root rot investigations. Phytopath. 19: 167-170. illus. F.1929. no.2.

Taubenhaus, J.J., Ezekiel, W.N. & Rea, H.E.
A new cotton wilt. Phytopath. 19: 171-173. illus. F.1929. no.2.
Organism not determined.

Tu, C.
Physiologic specialization in Fusarium spp. causing headblight of small grains. Phytopath. 19: 143-154. illus. F.1929. no.2.

Preslia. (Praha)

Appl, J.
Ueber einen bastard von Origanum majorana ♀ und Origanum vulgare ♂ und dessen aufspaltung in der F_2- generation. Preslia. 6: 3-13. illus. 1928.

Cejp, K.
Notes on the biology of some hepatics. Preslia. 6: 14-19. 1928.

Kavina, K.
Příspěvek k ontogenii plodnice r. Mycena (Contribution à l'ontogénie de carposome du genre Mycena). Preslia. 6: 20-24. 1928.
Czechoslovakian with French résume: p.23-24.

Klika, J.
Contribution à l'étude géobotanique de Velká Hora près de Karlštein. Preslia. 6: 31-34. 1928.

Preslia. (cont.)

Klaštersky, I.
Le sommet comme habitat. Preslia. 6: 25-30. 1928.

Němec, B.
Vliv chloralisace na polaritu kořenů pampelišky. (The action of chloralization upon the polarity in the roots of Taraxacum). Preslia. 6: 38-41. 1928.
Czechoslovakian with English summary: p.40-41.

Novák, F.A.
Quelques remarques relatives au problème de la végétation sur les terrains serpentiniques. Preslia. 6: 42-71. 1928.

Prát, S.
The resorption of lead by plants. Preslia. 6: 72-78. 1928.
Experiments with Vicia faba.

Progr. Agr. & Vitic. (Montpellier)

Branas, M.
Quelques effets curieux de la gelée du 24 avril 1928. Progr. Agr. & Vitic. 92: 34-40,185-192. illus. Ja.13,F.24,1929. no.2,8.

Vidal, J.L.
La chlorose au pays de la craie. Progr. Agr. & Vitic. 92: 163-166. illus. F.17, 1929. no.7.
Various treatments with sulphate of iron.

Protoplasma (Leipzig)

Linsbauer, K.
Untersuchungen über plasma und plasmaströmung an Chara-Zellen. I. Beobachtungen an mechanisch und operativ beeinfluszten zellen. Protoplasma. 5: 563-621. illus. Ja.1929. no.4.

Weber, F.
Plasmolyse-zeit-methode. Protoplasma. 5: 622-624. illus. Ja.1929. no.4.

Quart. Journ. Indian Tea Assoc. (Calcutta)

Tunstall, A.C.

Vegetable parasites of the tea plant (cont.) Quart. Journ. Indian Tea Assoc. 1928: 220-231. 1928. no.4.

Rev. Bot. Appl.(Paris)

Chevalier, A.

Un voyage scientifique au Brésil. Rev. Bot. Appl. 8: 814-844. D.1928. no.88.

Ducke, A.

Le bois de rose des etats brésiliens du Para et de l'Amazonie. Rev. Bot. Appl. 8: 843-847. D.1928. no.88.

Aniba rosaeodora, A.parviflora, A.terminalis, Ocotea costulata, and false rose wood, Nectranda elaiophora.

Hédin, L.

Le Baillonella toxisperma Pierre (1890) au Cameroun. Rev. Bot. Appl. 8: 853-855. D.1928. no.88.

Rev. Gén. Bot. (Paris)

Chalaud, G.

Le cyclé evolutif de Fossombronia pusilla Dum. Rev. Gén. Bot. 41: 95-105. illus. F.1929. no.482.

Michel-Durand, E.

Recherches physiologiques sur les composés. tanniques. Rev. Gén. Bot. 41: 106-118. F. 1929. no.428.

Piney, M.

Variations qualitatives et quantitatives des substances azotées chez une plante ligneuse du début de la période de végétation. Rev. Gén. Bot. 40: 65-94. F.1929. no.482.

Rev. Hort. (Paris)

Guillaumin, A.

Les cactées, principales espèces (cont.) Rev. Hort. 101: 359. F.16, 1929. no.14.

Lesourd, F.

Les plus gros arbres de France(cont.) Rev.Hort. 101: 360-362. illus. F.16,1929. no.14.

Rev. Hort. (cont.)

Mottet, S.

Le greffe de la tomate sur la pomme de terre et vice versa. Rev. Hort. 101: 350-351. illus. F.16, 1929. no.14.

Vilmorin, R.de.

Un nouveau rhododendron hybride. Rev. Hort. 101: 356-357. col.pl. F.16, 1929. no.14.

R. salmonea.

Rev. Hort. Tunisie. (Tunis)

Guillochon, L.

Les rosiers à parfum. Culture et utilisation industrielle de leurs fleurs. Rev. Hort. Tunisie. 27: 28-32. F.15,1929. no.247.

Rev. Vitic. (Paris)

Viala, P.

Contribution a l'étude du court-noué. Rev. Vitic. 70: 109-110. F.14, 1929. no.1807.

Rhodesia Agr. Journ. (Salisbury)

Hopkins, J.C.F.

Investigations into "collar-rot" disease of citrus. Rhodesia Agr. Journ. 26: 137-146. 4 pl. F.1929. no.2.

Rhizoctonia bataticola.

Rhodora. (Boston)

Blake, S.F.

Cladonia floridana in New Jersey. Rhodora. 31: 56; F.1929. no.363.

Ewer, S.J.

A teratological flower of Corallorrhiza maculata. Rhodora. 31: 53. F.1929. no.363.

Fassett, N.C.

Notes from the herbarium of the University of Wisconsin. IV. Rhodora. 31: 49-53. F.1929. no.363.

Aconitum noveboracense var. quasiciliatum, Dodocatheon meadia var. amethystinum, Aster sericeus f. albiligulata, Erigeron candense f.coloratus.

Rhodora. (cont.)

Fernald, M.L.
Four grasses of eastern America. Rhodora. 31: 44-49. illus. F.1929. no.363.
Poa labradorica, P.gaspensis, Glyceria striata var. stricta, Gl.arkansana.

Fernald, M.L.
A hybrid Rynchospora. Rhodora. 31: 38. F.1929. no.362.
R. alba x capitellata.

Fernald, M.L. & Weatherby, C.A.
Schmidel's publication of Thelypteris. Rhodora. 31: 21-26. pl.179. F.1929. no. 362.

Fernald, M.L.
A study of Thelypteris palustris. Rhodora. 31: 27-36. pl.180. F.1929. no.362.

Fogg, J.M. jr.
A second station for Panicum longifolium in Massachusetts. Rhodora. 31: 39-40. F.1929. no.362.

Knowlton, C.H.
Index to the flora of the Boston district. Rhodora. 31: 41-43. F.1929. no.363.

Pease, A.S.
A day in Gaspé. Rhodora. 31: 54-56. F. 1929. no. 363.

Smith, L.B.
A new form of Erythronium americanum. Rhodora. 31: 36. F.1929. no. 362.
E.americanum f.castaneum.

Standley, P.C.
Two new plants from Illinois. Rhodora. 31: 36-38. F.1929. no. 362.
Nuphar advena var. brevifolia, Liatris ridgwayi.

Rhodora. (cont.)

Fernald, M.L.
Four grasses of eastern America. Rhodora. 31: 44-49. illus. F.1929. no.363.
Poa labradorica, P.gaspensis, Glyceria striata var. stricta, Gl.arkansana.

Fernald, M.L.
A hybrid Rynchospora. Rhodora. 31: 38. F.1929. no.362.
R. alba x capitellata.

Fernald, M.L. & Weatherby, C.A.
Schmidel's publication of Thelypteris. Rhodora. 31: 21-26. pl.179. F.1929. no. 362.

Fernald, M.L.
A study of Thelypteris palustris. Rhodora. 31: 27-36. pl.180. F.1929. no.362.

Fogg, J.M. jr.
A second station for Panicum longifolium in Massachusetts. Rhodora. 31: 39-40. F.1929. no.362.

Knowlton, C.H.
Index to the flora of the Boston district. Rhodora. 31: 41-43. F.1929. no.363.

Pease, A.S.
A day in Gaspé. Rhodora. 31: 54-56. F. 1929. no. 363.

Smith, L.B.
A new form of Erythronium americanum. Rhodora. 31: 36. F.1929. no. 362.
E.americanum f.castaneum.

Standley, P.C.
Two new plants from Illinois. Rhodora. 31: 36-38. F.1929. no. 362.
Nuphar advena var. brevifolia, Liatris ridgwayi.

V.11, no.6, p.32.

Science (Lancaster,Pa.)

Plant exploration in Madagascar. Science. 69: 264. Mr.8,1929.
Trip of C.F. Swingle to Madagascar.

Tiedjens, V.
Controlling damping-off with electric lamps. Science. 69: 226. F.22,1929. no.1782.

Young, P.A., Jellison, W.L. & Morris, H. E.
Plasmopara mildew of sunflower. Science. 69: 254. Mr.1, 1929. no.1783.

Scient. Agr. (Ottawa)

Hockey, J.F.
Currant rust control. Scient. Agr. 9: 455-457. Mr.1929. no.7.

Jones, D.H.
The fireblight situation in Ontario. Scient. Agr. 9: 458-462. Mr.1929. no.7.

South African Gard. (Johannesburg)

Bolus, L.
Mesembrianthemum and allied genera. Synaptophyllum & Prenia. South African Gard. 19: 49-50. illus. F.1929. no.2.

Bolus, L.
Waterfall gladiolus; New Year lily. South African Gard. 19: 40. col.illus. F.1929. no.2.
G.cardinalis.

Soil Sci. (Baltimore)

Bartholomew, R.P. & Janssen, G.
The relation between concentrations of potassium in culture solutions and optimum plant growth. Soil Sci. 27: 189-202. 1 pl. Mr.1929. no.3.

So. Afr. Journ. Sci. (Johannesburg)

Curson, H.H.
A note on Bowiea volubilis Harv. So. Afr. Journ. Sci. 25: 240-241. illus. D.1928.

Phillips, J.F.V.
Plant indicators in the Knysna region. So. Afr. Journ. Sci. 25: 202-224. D.1928.

So. Afr. Journ. Sci. (cont.)

Phillips, J.F.V.
The principal forest types in the Knysna region--an outline. So. Afr. Journ. Sci. 25: 188-201. D.1928.

Quin, J.I.
The toxicity of Cucumis myriocarpus Naud. So. Afr. Journ. Sci. 25: 242-245. D.1928.

Van der Byl, P.A.
Aantekeninge oor enige Suid-Afrikaanse swamme. So. Afr. Journ. Sci. 25: 181-184. D.1928.

Van der Byl, P.A.
Descriptions of some previously unnamed South African fungi. IV. So. Afr. Journ. Sci. 25: 185-187. D.1928.

Verwoerd, L.
Aantekenings oor 'n paar minder bekende Suid-Afrikaanse swamme. So. Afr. Journ. Sci. 25: 237-239. D.1928.
Lycoperdon rhodesianum, Cyathus minutosporus, C.dasypus, Ustilago welwitschii, U.digitaria.

Verwoerd, L.
On the validity of the monotypic genus Kupsura Lloyd. So. Afr. Journ. Sci. 25: 225-226. D.1928.
Based on immature form of Lysurus woodii.

Watt, J.M. & Breyer-Brandwijk, M.G.
The present position of our knowledge of South African medicinal and poisonous plants. So. Afr. Journ. Sci. 25: 227-236. D.1928.

Torreya.

Adams, J.W.
A new station for Nymphaea tuberosa Paine in southern New Jersey. Torreya. 29: 13-14. Ja./F.1929. no.1.

Benedict, R.C.
Who was Petri? Torreya. 29: 9-12. Ja./F. 1929. no.1.
R.J. (i.e. Richard Julius) Petri, 1856-1922.

Torreya (cont.)

Brace, L.J.K.
Note on the occurrence of Oxypolis filiformis in the Bahamas. Torreya. 29: 16-17. Ja./F. 1929. no.1.

Davis, W.T.
A hybrid oak at Westerleigh, Staten Island. Torreya. 29: 6-8. illus. Ja./F. 1929. no.1.
Quercus heterophylla.

Holzinger, J.M.
Claytonia chamissoi Ledeb. in Minnesota. Torreya. 29: 15-16. Ja./F. 1929. no.1.

Koch, M.F.
A new orchid from Louisiana. Torreya. 29: 17. Ja./F.1929. no.1.
Epidendrum conopseum.

McLean, F.T.
The gladiolus and its development from the wild. Torreya. 29: 1-5. illus. Ja./F.1929. no.1.

Trans. Amer.Micros. Soc. (Urbana,Ill.)

Brown, H.J.
The algal family Vaucheriaceae. Trans. Amer. Micros. Soc. 48: 86-117. incl. pl.xv-xx. Ja.1929. no.1.

Tropenpfl. (Berlin)

Schwalbe, C.G.
Die ausbeutung tropischer faserrohstoffe und die einführ tropischer fasern in die gemässigte zone. Tropenpfl. 32: 65-75. F.1929. no.2.

Zimmerman, A.
Die kultur der mandelbäume. Tropenpfl. 31: 467-475. D.1928. no.12.
1. Die massnahmen zur sicherung der befruchtung.

Trop Woods, Yale Univ. Sch. For. (New Haven, Conn.)

Burtt-Davy, J.
African "sandaleen" wood. Trop. Woods Yale Univ. Sch. For. 17: 15-17. Mr.1, 1929.
Spirostachys africana (Exoecaria africana)

Trop. Woods, Yale Univ. Sch. For. (cont.)

Collardet, J.

Okoumé (Aucoumea klaineana Pierre). Trop. Woods, Yale Univ. Sch. For. 17: 1-5. Mr.1, 1929.

MacBride, J.F.

A new Miconia and other large Melastomaceae of Peru. Trop. Woods, Yale Univ. Sch. For. 17: 12-14. Mr.1, 1929.

M. incarum.

Record, S.J.

Trees and shrubs collected by F.C. Englesing in northeastern Nicaragua. Trop. Woods, Yale Univ. Sch. For. 17: 18-38. Mr.1, 1929.

Standley, P.C.

A new Brosimum from Panama, with notes on the generic names Brosimum and Ferolia. Trop. Woods, Yale Univ. Sch. For. 17: 8-11. Mr.1, 1929.

B. caloxylon.

Trudy Uzbekist. Opytn. Stan. Zashch. Rast. Tashkent.

Vedeneeva, Z.S.

... [On a fungus disease, "spottiness", of stone fruits in Central Asia (Clasterosporium carpophilum]. Trudy Uzbekist. Opytn. Stan. Zashch. Rast. Tashkent. no.10. 20 p. illus. 1928.

Russian.

Die Umschau. (Frankfurt)

Muller, A.

Innere therapie bei pflanzen. Die Umschau. 33: 125-128. illus. F.16, 1929. no.7.

U.S. Dept. Agr. Farm. Bull.

Hunt, G.M.

The preservative treatment of farm timbers. U.S. Dept. Agr. Farm. Bull. 744. 34 p. illus. Rev.D.1928(Rec'd Mr.1929)

U.S. Dept. Agr. Off. Rec.

French and American botanists locate in Madagascar valuable plant thought to be extinct. U.S.Dept. Agr. Off. Rec. 8(9): 1, 8. F.28, 1929.

Euphorbia intisy.

Trip of C.F. Swingle to Madagascar.

V.11, no.6, p.36.

Verh. Naturh. Ver. Preuss. Rheinl. u. Westf.

Budde, H.

Die algen der bäche des Sauerlandes. Verh. Naturh. Ver. Preuss. Rheinl. u. Westf. 84: 181-212. 1928.

Niessen, J.

Die pflanzengallen (phyto- und zoocecidien) des Rheinlandes. Ein verzeichnis mit kritischen anmerkungen und fundortsangaben bei den seltenen und neuentdeckten arten. Verh. Naturh. Ver. Preuss. Rheinl. u. Westf. 84: 213-267. illus., pl. ii. 1928.

Versl. Landb. Onderz. Rijkslandbouwproefst.

Wieringa, G. & Leendertz, K.

Beschouwingen over het onderzoek op zuiverheid en kiemkracht van Trifolium spp. Verslag. Landb. Onderz. Rijkslandbouwproefst. 33: 107-119. illus. 1928.

Wieringa, G.

Mechanische aftelinrichting voor kiemproeven, in gebruik bij het Rijksproefstation voor zaadcontrôle te Wageningen. Verslag. Landb. Onderz. Rijkslandbouwproefst. 33: 91-94. plate. 1928.

Vie Agr. et Rur. (Paris)

Diffloth, P.

Nouvelles recherches sur le charbon du blé et du seigle. Vie Agr. et Rur. 33: 116-119. illus. F.24,1929. no.8.

Discusses both loose smut (Ustilago tritici) and flag smut (Urocystis tritici) of wheat, and Urocystis occulta on rye, with treatments.

Weekbl. Bloembollencult. (Haarlem)

Ziekte-vraagstukken in de gladiolus-cultuur. Weekbl. Bloembollencult. 39: 588-590. F.19, 1929.

Abstract of talk by E.vanSlogteren, Feb.11, 1929, before Nederl. Gladiolus-vereeinging.

Yearbk. Carnegie Inst. Washington.
Spoehr, H.A.
Division of plant biology. Yearbk. Carnegie Institution of Washington. 27(1927/28): 167-202. D.1929 (Rec'd F.1929)
Growth and sap movement: The liquid and gas system in trees, by D.T. MacDougal, J.B. Overton & G.M. Smith - Living cells two and half centuries old, by D. T. MacDougal & J.G. Brown - Relation of living cells to upward movement of sap, by D.T. MacDougal, J. B. Overton & G.M. Smith - Long-lived cells of the redwood, by D.T. MacDougal and G.M. Smith - Further studies on the path of the transpiration stream, by D.T. MacDougal J.B. Overton & G.M. Smith - Distribution of gases in the trunks of trees, by D.T. MacDougal, J.B. Overton & G.M. Smith; Photosynthesis and carbohydrate chemistry: Yellow leaf pigments, by H.A. Spoehr, J.H.C. Smith & H.W. Milner - Interconversion of hexose sugars by means of phosphates, by H.A.Spoehr & H.H. Strain - Photochemical action of ultra-violet radiation on the vapor of acetaldehyde, by J.H.C. Smith. Solarization of leaves, by R.M. Holman; Experimental taxonomy: Aims and plans of the investigations, by H.M. Hall; D.D.Keck, W.M. Heusi; Ecology, investigations under the direction of F.E. Clements; Desert laboratory studies: Surface changes in a desert valley, Physiological behavior of Covillea, Soil conditions in relation to desert investigation, by F.Shreve. - Further investigations into the cause of variations in the transpiration rates of desert perennials, by E.B. Shreve- Analysis of gradient functions, by R.M. Fraps.

Zeitschr. Angew. Chem. (Leipzig)
Köhler, R.
Zur kenntnis des jodes in boden und pflanze. Zeitschr. Angew. Chem. 42: 192-197. F.23,1929. no. 8.

Zeitschr. Bot. (Jena)
Sen-Gupta, J.
Untersuchungen über rheotropismus. Zeitschr. Bot. 21: 353-398. 1929. no.7.

Exper. Stat. Publ.

Schneck, H.W.
Pollination of greenhouse tomatoes. Cornell Agr. Exp. Stat. Bull. 470. 60 p. illus. O.1928. (Rec'd Mr.1929)

West, E.
Ammoniacal copper carbonate and other stainless fungicides. Florida Agr. Exp. Stat. Press. Bull. 411. 2 p. Mr.1929.

West, E.
The damp-off disease of Boston ferns. Florida Agr. Exp. Stat. Press. Bull. 410. 2 p. Mr.1929.
Rhizoctonia.

Weber, G.F.
Bordeaux paste treatment for stem-end decay of watermelons. Florida Agr. Exp. Stat. Press. Bull. 412. 2 p. Mr.1929.

Huelson, W.A. & Gillis, M.C.
Inheritance of kernel arrangement in sweet corn. Illinois Agr. Exp. Stat. Bull. 320: 301-336. illus. F.1929.

Bushnell, J.
The normal multiple sprouting of seed potatoes Ohio Agr. Exp. Stat. Bull.430. 27 p. illus. Ja.1929.

Sampson, H.C. & Transeau, E.N.
Original plant associations as indices to biotic habitats with special reference to the corn borer. In Huber, L.L. & others. The European corn borer. and its environment. Ohio Agr. Exp. Stat. Bull. 429::152-163. maps. D.1928.

State Publications.

Jacobsen, W.C.
Goat grass - a weed pest of the range. Month. Bull. Dept. Agr. Calif. 18: 37-41. illus. Ja. 1929. no.1.
Aegilops triunciales.

State Publications (cont.)

Milbrath, D.G.
Treatment of soil for prevention of plant diseases. Month. Bull. Dept. Agr. Calif. 18: 7-15. Ja.1929. no.1.

Adams, J.F.
Report of the plant pathologist. Quart. Bull. State Bd. Agr. Delaware, v.19, no.1. 30 p. illus. Mr.31, 1929.

New Books.

Bolus, L.
Notes on Mesembrianthemum and some allied genera pt.I. Cape Town, The Specialty press, 1928.

Chabaud, B.
Les palmiers de la Côte d'Azur. Distribution geographique, culture, description des genres et espèces. Paris, Librairie agricole de la Maison rustique [1915]

Chalot, C.
La culture des plantes a parfum dans les colonies françaises. Paris, L. Larose, 1928.

Congrès commercial de la pomme de table, 1er Bourges, 1926.
Mémoires et comptes-rendus, publ. par M. E.Poher et A. Chavard. Paris, Compagnie d' Orléans, 1927 [Recd Feb.1929)

Davis, R.A.
Fruit growing in South Africa. South Africa, Central news agency, ltd., 1928.

Grieve, Mrs. M. & Oswald, E.
Belladonna (deadly nightshade) bittersweet, black nightshade, potato. Bucks, [1928?[

Harris, J.A.
Activities of the Dept. of botany, University of Minnesota 1927. Minneapolis, 1928.

New Books. (cont.)

Jackson, J.
Additions to the flora of Worcester County, Massachusetts. A list of plants found growing without cultivation. Worcester, Mass., Natural history society, 1927.

Larrañaga, D.A.
Escritos. Montevideo, 1922-27.
v.1,3, and atlas,pte. I, (Botánica)

Maiden, J.H.
A critical revision of the genus Eucalyptus. vol.vii, pt.10. Sydney, Govt. printer, 1928.

Natürlichen pflanzenfamilien... 2. stark verm. u. verb. aufl. hrsg. von A. Engler. 6 bd. Eumycetes - Basidiomycetes redigiert von P. Claussen. Leipzig, W. Engelmann, 1928.
Hemibasidii hearb. von P. Dietel; Eubasidii, Hymenomyceteae bearb. von S. Killermann.

Ryerson, K.A.
The horticultural possibilities of Palestine, as especially related to agricultural colonization. Rep. Experts Joint Palestine Surv. Comm. Boston, 1928. p.237-397. illus.

Seaver, F. J.
The North American cup-fungi (Operculates). New York, The author,1928.

Strasburger, E.
Lehrbuch der botanik für hochschulen... 17. umgearb. aufl. bearb. von Dr. Hans Fittings, Dr.Hermann Sierp, Dr. Richard Harder, Dr. George Karsten. Jena, G.Fischer, 1928.

Thaer, A.
Die landwirtschaftlichen unkräuter. 5. aufl. neubearb. von Dr. O. Appel. Berlin, P. Parey 1927. [Rec'd F.1929]

Wocke, E.
Die kulturpraxis der alpenpflanzen und ihre verwendung im steingarten und alpinum. 2. neubearb. und erweiterte aufl. von Die Alpenpflanzen in der gartenkultur der tiefländer. Berlin, P. Parey, 1928.

New Books (cont.)

Zander, R.
Handwörterbuch der botanischen pflanzennamen... Weihnachten, Gärtnerische verlagsgesellschaft. m.b.H., 1927.
----- Nachtrag... Uebersetzung und erklarung der botanischen artnamen... Weihnachten, 1928.

Translations filed in Library of Bur. of Plant Industry.

Marinucci, M.
Il "mal del piede" dei cereali (The foot-rot of cereals). Il Coltivatore. 73: 514-516. 1927.

Melin, E.
Studier över barrträdsplantans utveckling i råhumus II. Mykorrhizans utbildning hos tallplantan i olika råhumusformer (The development of mycorrhiza on pine seedlings in various forms of raw-humus). Medd. Stat. Skogsförsöksanst. Sweden. 23: 433-494. 1927.
Transl. of German summary (p.487-494).

Petri, L.
Osservazioni sul "mal del piede" del frumento (Observations on "foot-rot" in cereals) Bol. R. Staz. Patol. Veg. Rome. n.s., 6: 174-178. 1926.

Peyronel, B.
Osservazioni sul "mal del cereali e sulle varie crittogame che lo producono in Italia (Observations on "foot-rot" of cereals and various cryptogams which cause it in Italy). Boll. R. Staz. Patol. Veg. Rome. n.s., 6: 213-216. 1926.

Correction.

List v.11, no.5, p.7.
Bull. Torr. Club.
Entry under Bowen, volume no. should be 56.

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C

Vol. 11, no.7. March 18-30, 1929.

Aarb. Gartn. (København)
Hansen, L.
Skadedyr og svampesygdomme. Aarb. Gartn. 10: 72-96. illus. 1928 (Rec'd Mr.1929)
Svampesygdomme: p.89-96.

Amer. Flor. (Chicago)
Laurie, A.
Gas injury in greenhouses. Amer. Flor. 71: 7. illus. Mr.16, 1929. no.2126.

Amer. Midl. Nat. (Notre Dame, Ind.)
Geiser, S.W.
Professor Jacob Boll. and the natural history of the southwest. Amer. Midl. Nat. 11: 439-452. port. Mr. 1929. no.8.

Grier, N.M.
A list of plants growing under cultivation in the vicinity of Cold Spring Harbor, New York. Amer. Midl. Nat. 11: 389-434. Mr.1929. no.8.

Ann. Mus. Colon. Marseille.
Choux, P.
Observations anatomiques et microchimiques sur les graines grasses de quelques sapotacées Africaines. Ann. Mus. Colon. Marseille. 6: 25-37. illus., pl. i-ii. 1928 (Rec'd Mr.1929) no.2.

Jumelle, H.
Un nouveau genre malgache d'Aracées. Ann. Mus. Colon. Marseille. 6: 21-23. 1928(Rec'd Mr. 1929) no.2.
Arophyton tripartitum.

Jumelle, H.
Une nouveau genre malgache de palmiers. Ann. Mus. Colon. Marseille. 6: 17-19. 1928 (Rec'd Mr.1929) no.2.
Antongilia perrieri.

Ann. Mus. Colon. Marseille. (cont.)

Jumelle, H.
Plantes de Mauritanie récoltées par le Lieutenant Boery. Ann. Mus. Colon. Marseille. 6: 5-43. pl. i-iii. 1928 (Rec'd Mr.1929) no.1.

Pierraerts, J. & Winter, F.de.
Contribution à l'étude des graines de quelques espèces de Luffa acclimatées au Congo Belge.Leur signification à titre d'oléagineux. Ann. Mus. Colon. Marseille. 6: 5-15. 1928 (Rec'd Mr. 1929) no.2.

Ann. Mycol. (Berlin)

Petrak, F. & Sydow, H.
Kritisch-systematische originaluntersuchungen über pyrenomyzeten, sphaeropsideen und melanconieen. Ann. Mycol. 27: 87-115. 1929. no.1/2.

Sydow, H. & Petrak, F.
Fungi costaricenses a cl.prof. Alberto M. Brenes collecti. Ser.I. Ann. Mycol. 27: 1-86. illus. 1929. no.1/2.

Sydow, H.
Mycotheca germanica fasc. XLVI-IL (no.2251-2450) Ann. Mycol. 27: 116-122. 1929. no.1/2.
Spilosticta aesculi, Diaporthe ludwigiana, Sclerophomella humuli, n.sp.

Ann. Bot. (London)

Arber, A.
Studies in the Gramineae, VI. 1. Streptochaeta. 2. Anomochloa. 3. Ichnanthus. Ann. Bot. 43: 35-53. illus. Ja.1929. no.169.

Bandulska, H.
Secretory cells in a fossil leaf. Ann. Bot. 43: 203-204. illus. Ja. 1929. no.169.

Brenchley, W.E.
The phosphate requirement of barley at different periods of growth. Ann. Bot. 43: 89-110. pl.iii. Ja. 1929. no.169.

Ann. Bot. (cont.)

Carlson, M.C.
Gametogenesis and fertilization in Achlya racemosa. Ann. Bot. 43: 111-117. pl.iv. Ja.1929. no.169.

Cook, W.R.I. & Schwartz, E.J.
The life-history of Sorosphaera radicale, sp.nov. Ann. Bot. 43: 81-88. pl. ii. Ja.1929. no.169.

Fritsch, F.E.
The genus Sphaeroplea. Ann. Bot. 43: 1-26. illus. Ja.1929. no.169.

Gregory, F.G. & Richards, F.J.
Physiological studies in plant nutrition.I. Ann. Bot. 43: 119-161. Ja.1929. no.169.
I. The effect of manurial deficiency on the respiration and assimilation rate in barley.

Heath, O.V.S.
A method of water control for sand cultures. Ann. Bot. 43: 71-79. Ja.1929. no.169.

Howland, L.J.
The moisture relations of terrestrial algae, IV. Ann. Bot. 43: 173-202. illus. Ja.1929. no.169.
IV. Periodic observations of Trentepohlia aurea, Martius.

Marx, D.
The effect of small electric currents on the assimilation of Elodea canadensis. Ann. Bot. 43: 163-172. Ja.1929. no.169.

Pearsall, W.H. & Ewing, J.
The relation of nitrogen metabolism to plant succulence. Ann. Bot. 43: 27-34. Ja.1929. no.169.

Rayner, M.C.
The biology of fungus infection in the genus Vaccinium. Ann. Bot. 43: 55-70. pl. i. Ja. 1929. no.169.

Ann. Bul. Agr. Dept. Nigeria. (Lagos)
Golding, F.D.
A first survey of insect and fungoid incidence on improved Ishan cotton. Ann. Bull. Agr. Dept. Nigeria. 7: 17-37. Ag.1, 1928 (Rec'd Mr.1929)

Ann. Rep. Bur. Sugar Exp. Stat. Queensl.
Bell, A.F.
Work of the division of pathology. Ann. Rep. Bur. Sugar Exp. Stat. Queensl. 28: 10-13. 1928. (Rec'd Mr.1929)

Ann. Rep. East Malling Res. Stat.
Frampton, A.M.
Preliminary report on the incidence and control of apple scab and apple mildew. Ann. Rep. East Malling Res. Stat. 14/15(suppl.II): 96-107. O. 1928 (Rec'd Mr.1929)

Harris, R.V.
The pathology of the raspberry: a summary of results of recent research at East Malling. Ann. Rep. East Malling Res. Stat. 14/15(Suppl.II): 128-134. O.1928 (Rec'd Mr.1929)
Blue stripe wilt (Verticillium dahliae); cane spot (Plectodiscella ceneta); mosaic; spur blight (Didymella applanata)

Knight, R.C., Amos, J., Hatton, R.G. & Witt, A.W.
The vegetative propagation of fruit-tree root-stocks. Ann. Rep.East Malling Res. Stat 14/15 (suppl.II): 11-30. pl. O.1928 (Rec'd Mr.1929)

Tydeman, H.M.
The influence of rootstocks on the blossoming of seedling apples. A progress report. Ann. Rep. East Malling Res. Stat. 14/15(Suppl.II): 41-55. O. 1928 (Rec'd Mr.1929)

Witt, A.W.
The vegetative propagation of walnuts. Ann. Rep. East Malling Res. Stat. 14/15(suppl.II): 60-64. pl. O.1928 (Rec'd Mr.1929)

Ann. Rep. East Malling Res. Stat (cont.)

Wormald, H.

Bacterial diseases of stone-fruit trees in Britain. I. Ann. Rep. East Malling Res. Stat. 14/15(suppl.II): 121-127. pl. O.1928 (Rec'd Mr.1929)

I. Preliminary note on bacteriosis in plum and cherry trees (shoot wilt of plum trees; gummosis and leaf spot in cherry trees; bacterial canker in plum and cherry trees)

Wormald, H. & Frampton, A.M.

Note on "black rot" of cruciferous plants. Ann. Rep. East Malling Res. Stat. 14/15(suppl.II): 108-110. pl. O.1928 (Rec'd Mr.1929)

Pseudomonas campestris (Bact. campestre)

Wormald, H.

Notes on plant diseases in 1926, 1927. Ann.Rep. East Malling Res. Stat. 14/15(suppl.II): 75-88, 111-118. O.1928(Rec'd Mr.1929)

Anz. Schädlingsk. (Berlin)

Schaffnit,E. & Weber, H.

Versuche zur bekämpfung des wurzelälchens (Heterodera radicicola). Anz. Schädlingsk. 5: 17-19. 1929. no.2.

Arch. Protistenk. (Jena)

Lohwag, H.

Mykologische studien III. Xanthochrous cuticularis (Bull.) Pat. Arch. Protistenk. 65: 321-329. illus. F.1929. no.3.

Pascher, A.

Neue oder wenig bekannte protisten. XXI. Neue flagellaten XIX (Protomastiginae, Chrysomonadae, Heterochloridales, Volvocales, Eugleninae) Arch. Protistenk. 65: 426-464. illus. F.1929. no.3.

Singer, R.

Eine neue Russula-art: Russula mairei nov.spec. Arch. Protistenk. 65: 306-320. illus., col.pl.12. F.1929. no.3.

Beitrag zur systematischen stellung des Pleurotus nidulans (Pers.)Fr.: p.314-319.

Arch. Rubbercult. Nederl.-Ind. (Batavia, Java.)

Bobilioff, W.
Onderzoekingen over de physiologische beteekenis van quebrachiet. Arch. Rubbercult. Nederl.-Ind. 13: 118-122. illus. F.1929. no.2.

Bobilioff, W.
Onderzoekingen over de roode wortelschimmel bij Hevae (Investigations on the red root disease of Hevea brasiliensis). Arch. Rubbercult. Nederl.-Ind. 13: 98-117. illus. F.1929. no.2.
Dutch with English summary: p.116-117.

Ark. Bot. (Stockholm)

Becker, W. & Hultén, E.
The genus Viola in Kamtchatka. Ark. Bot. v.22, no.3. 8 p. 1928 (Rec'd Mr.1929) pt.1.

Folin, T.
Hieracia vulgata after Ume älvs övre lopp. Ark. Bot. v.22, no.5. 44 p. illus.(map), 8 pl. 1928 (Rec'd Mr.1929) pt.1.

Malme, G.O.A.
Einige während der zweiten Regnellschen reise gesammelte phanerogamen. Ark. Bot. v.22, no.7. 27 p. 3 pl. 1928(Rec'd Mr.1929) pt.1.

Malme, G.O.A.
Gentianaceae, Apocyanaceae et Vochysiaceae paranenses a Dre P.Dusén collectae. Ark. Bot. v.22, no.2. 16 p. 1928 (Rec'd Mr.1929) pt.1.

Malme, G.O.A.
Lichenes pyrenocarpi aliquot in herbario Regnelliano asservati. Ark. Bot. v.22, no.6. 11 p, 1928 (Rec'd Mr.1929) pt.1.

Malme, G.O.A.
Xyridaceae congenses. Ark. Bot. v.22, no.4. 12 p. 1928 (Rec'd Mr.1929) pt.1.

Omang, S.O.F.
Hieracia alpina fra det nordlinge Jemtland, samt fra Asele og Lycksele lappmarker. Ark. Bot. v.22, no.1. 31 p. 1928 (Rec'd Mr.1929) pt.1.

Beitr. Biol. Pflanz. Cohn. (Breslau)

Jacobi, G.
Untersuchungen über die wirkung des ultravioletten lichtes auf keimung und wachstum. Beitr. Biol. Pflanz. Cohn. 16: 405-464. pl. iii-iv. 1928. (Rec'd Mr.1929) no.3.

Ludwig, O.
Untersuchungen an Ascochyta pisi Lib. Beitr. Biol. Pflanz. Cohn. 16: 465-510. pl.v-vi. 1928. (Rec'd Mr.1929) no.3.

Sasse, F.
Untersuchungen über pflanzenkunstsera nach Mez und ihre verwendbarkeit für die botanische verwandtschaftsforschung. Beitr. Biol. Pflanz. Cohn. 16: 351-404. 1928 (Rec'd Mr.1929) no.3.

Ber. Deut. Bot. Ges. (Berlin)

Bericht über die festsitzung am Sonnabend, den. 9. Februar 1929, zu ehren von Simon Schwendener aus anlasz seines 100. Geburtstages. Ber. Duet. Bot. Ges. 47: 1-20. F.21,1929. no.1.

Blochwitz, A.
Schimmelpilze als tierparasiten. Ber. Deut. Bot. Ges. 47: 31-34. F.21, 1929. no.1.

Huber-Pestalozzi, G. & Naumann, E.
Phormidium mucicola Naumann et Huber, ein epibiont in der gallerte pflanzlicher und tierischer planktonorganismen. Ber. Deut. Bot. Ges. 47: 67-76. illus. F.21, 1929. no.1.

Kolkwitz, R.
Das thermoplanktometer. Ber. Deut. Bot. Ges. 47: 64-67. illus. F.21, 1929. no.1.

Neurnbergk, E.
Ein elektrischer intermittierender klinostat mit einrichtung zum antrieb von kinematographischen aufnahmeapparaten. Ber. Deut. Bot. Ges. 47: 44-63. illus. F.21, 1929. no.1.

Rimbach, A.
Die verbreitung der wurzelverkürzung im pflanzenreich. Ber. Deut. Bot. Ges. 47: 22-31. F.21, 1929. no.1.

Ber. Deut. Bot. Ges. (cont.)
Werth, E.
Zur klimatologie, pflanzengeographie und geschichte des Europäischen ackerbaues. Ber. Deut. Bot. Ges. 47: 34-43. F.21, 1929. no.1.

Better Crops. (N.Y.)
Jones, J.P.
Corn chlorosis. Better Crops. 12: 25-27, 47-48. illus. Mr.1929. no.3.

La Betterave. (Paris)
Janasz, A.
Quelques renseignements sur la maladie de la betterave à sucre la "Cercospora beticola". La Betterave. 39(7): 10-11, (8): 4-5. Ja.1,15, 1929.

Biochem. Zeitschr. (Berlin)
Iwanoff, N.N. & Lischkewitsch, M.J.
Ueber den stickstoffverlust beim trocknen der pflanzen. Biochem. Zeitschr. 205: 329-348. F.13, 1929. no.4/6.

Biol. Zentralbl. (Leipzig)
Stein, E.
Ueber gewebe-entartung in pflanzen als folge von radiumbestrahlung (zur radiomorphose von Antirrhinum). Biol. Zentralbl. 49: 112-126. illus. 1929. no.2.

Bol. Agencia Geral. Colón. Portugal (Lisboa)
Figueiredo Gomes e Sousa, A.de.
Notas sôbre a flora da Guiné portuguesa. Bol. Agencia Geral. Colón. Portugal. 5: 99-139. illus. F.1929. no.44.

Bol. Agr. São Paulo.
Campos Novaes, J.de.
A cura da gommose das laranjeiras Pythiacystis citrophthora. Bol. Agr. São Paulo. 29: 684-689. illus. N./D. 1928 (Rec'd Mr.1929) no.11/12.

Vizioli, J.
As causas provaveis do florescimento da canna e sues effeitos sobre a composição do caldo. Bol. Agr. São Paulo. 29: 569-589. illus., S./O.1928 (Rec'd Mr.1929) no.9/10.

Bot. Gaz. (Chicago)

Cowles, H.C.
John Merle Coulter. Bot. Gaz. 87: 211-217. port. Mr.1929. no.2.

Halma, F.F.
Quantitative differences in palisade tissue in citrus leaves. Bot. Gaz. 87: 319-324. Mr.1929. no.2.

Haupt, A.W.
Studies in Californian hepaticae. I- Bot. Gaz. 87: 302-318. illus., pl.x. Mr.1929. no.2.
I. Asterella californica.

Kulkarni, C.G.
Meiosis in pollen mother cells or strains of Oenothera pratincola Bartlett. Bot. Gaz. 87: 218-259. pl.vii-ix. Mr.1929. no.2.

Newsom, V.M.
A revision of the genus Collinsia (Scrophulariaceae). Bot. Gaz. 87: 260-301. Mr.1929. no.2.

Bull. Dept. Agr. Canada (Ottawa)

Hill, H. & Davis, M.B.
Studies in strawberry bud differentiation. Bull. Dept. Agr. Canada. n.s. 110. 15 p. illus. 1929.

Bull. Mens. Soc. Nat. Hort. France. (Paris)

Bois, D.
Allocution prononcee sur la tombe de M.Joseph Gerôme. Bull. Mens. Soc. Nat. Hort. France. V, 2: 43-45. port. Ja.1929.

Bull. Misc. Inform. Kew. (London)

Brown, N.E.
New species of and critical notes on Mesembryanthemum and allied genera. Bull. Misc. Inform. Kew. 1929: 56-62. 1929. no.2.

Green, M.L.
Lagoseris Marsch.-Bieb. and Lagoseris Hoffmgg. & Link. Bull. Misc. Inform. Kew. 1929: 54-56. 1929. no.2.

Bull. Misc. Inform. Kew. (cont.)

Holland, J.H.
John Redman Bovell... Bull. Misc. Inform. Kew. 1929: 63, 1929.

Marsden-Jones, E.M. & Turrill, W.B.
Researches on Silene maritima and S.vulgaris. Bull. Misc. Inform. Kew. 1929: 34-38. pl.i-ii. 1929. no.2.

Sprague, T.A.
The correct spelling of certain generic names. IV. Bull. Misc. Inform. Kew. 1929: 38-52. 1929. no.2.

Sprague, T.A.
Dahlia coronata Hort. Bull. Misc. Inform. Kew. 1929: 52-54. 1929. no.2.

Bull. Soc. Agriculteurs Algérie.

Ducellier, L.
La cuscute du tabac. Bull. Soc. Agriculteurs. Algérie. 71: 49-54. Jl./D. 1928 (Rec'd Mr.1929) no.474.

Bull. Soc. Hist. Nat. Afr. Nord. (Alger)

Maire, R.
Contribution à l'étude de la flore de l'Afrique du Nord. fasc. xiv. Bull. Soc. Hist. Nat. Afr. Nord. 20: 12-42. 1929. no.1.

Bull. Soc. Mycol. France. (Paris)

Brandza, M.
Les myxomycètes de Neamtz (Moldavie). Bull. Soc. Mycol. France. 44: 249-300. illus., col. pl.xiv-xvii. D.1928 (Rec'd Mr.1929) no.3.
Physarum aureum, sp.

Gilbert, E.
Bribes mycologiques (3.ser.) VI-IX. Bull. Soc. Mycol. France. 44:225-231. D.1928 (Rec'd Mr.1929) no.3.
VI. Conjectures sur la classification et la filiation des espèces. VII. Boletus piperatis var. amarellus. VIII. Un observation à verifier. IX. Quelques mots sur les spores dessechées.

Bull. Soc. Mycol. France. (cont.)

Killian, C.

Un parasite nouveau des feuilles d'Aronia rotundifolia Pers., le Gloeosporium aroniae nov. spec. Bull. Soc. Mycol. France. 44: 241-248. pl. xii-xiii. D.1928 (Rec'd Mr.1929) no.3.

Morquer, R.

Dactylium dendroides Fries et Dactylium macrosporum(Link) Sacc. constituent-ils deux espèces distinctes? Bull. Soc. Mycol. France. 44: 304-306. D.1928 (Rec'd Mr.1929) no.3.

"Dactylium macrosporum doit donc être considré une espèces conidienne, indépendante de la forme imparfaite de l'Hypomyces rosellus".

Nicolas, G. & Aggery,Mlle.

Un Cycloconium parasite de Phillyrea angustifolia L. Bull. Soc. Mycol. France. 44: 201-303. illus. D.1928 (Rec'd Mr.1929) no.3.

C.phillyreae n.sp.

Radais, M.

Jean-Louis-Léon Guignard, botaniste français (1852-1928). Bull. Soc. Mycol. France. 44: 221-224. D.1928 (Rec'd Mr.1929) no.3.

Sauger, M.

Tableau récapitulatif des tricholomes bleus suivi d'observation sur leur hybridation. Bull. Soc. Mycol. France. 44: 307-308. D.1928 (Rec'd Mr.1929) no.3.

T.nudum, T.soevum, T.sordidum.

Schaechtelin, J. & Werner, R.G.

Un cas foudroyant de parasymbiose. Le Homostegia piggotii (Berk. et Br.) Karst., son développement biologique et physiologique. Bull. Soc. Mycol. France. 44: 232-240. pl.xi. D.1928 (Rec'd Mr. 1929) no.3.

Bull. Trim. Off. Rég. Agr. Midi France.

Fondard, L.

Contribution à la génétique des blés de Provence. Bull. Trim. Off. Rég. Agr. Midi France. 1928: 97-155. illus. Jl.1928 (Rec'd Mr.1929) no.27.

Compt. Rend. Acad. Agr. France. (Paris)
Rabaté, E.
Note sur la fixité des lignes de blé. Compt. Rend. Acad. Agr. France. 15: 364-366. 1929. no.8.

Compt. Rend.Acad. Sci. Paris.
Guilliermond, A.
Nouvelles observations sur la coloration vitale par le rouge neutre dans les cellules végétales. Compt. Rend. Acad. Sci. Paris. 188: 813-815. Mr.11, 1929. no.11.

Mascré, M.
Nouvelles remarques sur la fixation du chondriome de la cellule végétale. Compt. Rend. Acad. Sci. Paris. 188: 811-183. Mr.11, 1929. no.11.

Poisson, R.
Contribution à la connaissance des laboulbéniales parasites des insectes hémiptères hydrocorises. Paracoreomyces Thaxteri gen.nov., sp.nov., Laboulbéniale parasite de Stenocorixa protrusa Horv. Compt. Rend. Acad. Sci. Paris. 188: 824-826. illus. Mr.11, 1929. no.11.

Popesco, C.T.
Influence du greffage sur le développement de quelques papilionacées. Compt. Rend. Acad. Sci. Paris. 188: 726-728. Mr.4, 1929. no.10.

Compt. Rend. Soc. Biol.Paris.
Gonçalves da Cunha, A.
Recherches sur le vacuome du point végétatif d'Elodea canadensis. Compt. Rend. Soc. Biol. Paris. 100: 597-599. illus. 1929. no.8.

Ernähr. Pflanze.(Berlin)
Maas, H.
Die unkrautbekämpfung mit hederich-kainit. Ernähr. Pflanze. 25: 114-118. illus. Mr.1,1929. no.5.

Stocklasa, J.
Dynamilk und energetik der kohlensäureassimilation. Ernähr. Pflanze. 25: 97-105. Mr.1, 1929. no.5.

Fortschr. Landw. (Vienna)

Köck, G., Reckendorfer, P. & Beran, F.
Der schwefeldioxydgehalt der luft und sein einfluss auf die pflanze. Fortschr. Landw. 4: 170-172. illus. Mr.15, 1929. no.6.

Gard. Chron. (London)

Cayley, D.M.
Some observations on the genus Didymium (Mycetozoa) Gard.Chron. III, 85: 192. Mr.9, 1929. no.2202.
Abstract of a paper given before the Brit.Mycol. Soc., London, Ja.26,1929.

Darnell, A.W.
The genus Primula. (cont.) Gard.Chron. III, 85: 185-186, 207. Mr.9,16, 1929 no.2202,2203.

Farries, E.H.M.
An investigation of the metabolism of Nematospora gossypii, Ashby and Nowell. Gard.Chron. III, 85: 192. Mr.9, 1929. no.2202.
Abstract of a paper given before the Brit.Mycol. Soc., London,Ja.26,1929.

Friend, H.
Plant history in nomenclature. Oranges & Lemons. Gard.Chron. III, 85: 204. Mr.16, 1929. no.2203.

Murray, G.
Disease in chrysanthemums. Gard.Chron. III, 85: 208-209. Mr.16, 1929. no.2203.
Not due to lack of potash, suggests that stocks may be weakened by over-propagation, by division and cuttings and so liable to diseases of exhaustion.

Smith, A.
Some observations of Puccinia menthae. Gard. Chron. III, 85: 192. Mr.9,1929. no.2202.
Abstract of paper given before the Brit. Mycol. Soc., London, Ja.26,1929.

Wallace, T.
Frost injury to apple trees. Gard.Chron. III, 85: 209-210. illus. Mr.16, 1929. no.2203.

Ward, F.K.
Mr.F. Kingdon Ward's tenth expedition in Asia. XVI. Temperate rain forests. Gard.Chron. III, 85: 202-203. illus. Mr.16, 1929. no.2203.

Gard. Illus. (London)

Calvert, A.F.
The evolution of the daffodil over half a century. Gard. Illus. 51: 186. illus. Mr.16, 1929. no.2610.

Lawrence, W.
My grandmother. Gard. Illus. 51: 182-183. illus. ports. Mr.15,1929. no.2610.
Account of novelties at Ealing Park, garden of Mrs. Lawrence to whom v.68 of Curtis' botanical magazine was dedicated.

Wallace, R.W.
Contributors in the early days. Gard. Illus. 51: 184-185. illus. Mr.16,1929. no.2610.
In connection with the 50th anniversary of the founding of "Gardening illustrated".

Gartenschönheit. (Berlin)

Roeder, W.von.
Hahnenkamme. Gartenschönheit. 10: 46-48. illus. F.1929. no.2.

Schneider, C.
Ueber moderne orchideenanzucht. Gartenschönheit. 10: 19-21. illus. Ja.1929. no.1.

Genetica. (The Hague)

Allan, H.H.
The F_2 progeny resulting from the crossing of Coprosma propinqua ♀ with C. robusta ♂ Genetica. 11: 335-346. illus. 1929. no.3/4.

Darlington, C.D.
A comparative study of the chromosome complement in Ribes. Genetica. 11: 267-272. illus. 1929. no.3/4

Sirks, M.J.
The interrelations of some anthocyane-factors in the potato. Genetica. 11: 293-328. 1929. no.3/4.

Genetica. (cont.)

Sirks, M.J.
Mendelian factors in Datura III. Separate factors for certation and their differential value. Genetica. 11: 257-266. 1929. no.3/4

Wellensiek, S.J.
Linkage-studies in Pisum II. Genetica. 11: 273-292. 1929. no.3/4.

Wellensiek, S.J. & Keyser, J.S.
Pisum-crosses V: Inherited abortion and its linkage-relations. Genetica. 11: 329-334. illus. 1929. no.3/4.

Genetics. (Menasha, Wisc.)

McClintock, B.
A cytological and genetical study of triploid maize. Genetics. 14: 180-222. illus.,pl.1-6. Mr.1929. no.2.

Horticulture (Boston)

Wilson, E.H.
Leaves from a plant hunter's notebook, no.4. Kurume azaleas. Horticulture. 7: 129. illus. Mr.15, 1929. no.7.

Illus. Landw. Zeit. (Berlin)

Geh. Regierungsrat Prof. Dr. Ludwig Wittmack, Berlin. Illus. Landw.Zeit. 49: 89. port. F.22, 1929. no.8.

Reiling, H.
Missbildungen der kartoffelknolle. Illus. Landw. Zeit. 49: 98-99. illus. Mr.1, 1929. no.9.

Schlumberger, O.
Schorffeste und schorfanfällige kartoffelsorten. Illus. Landw. Zeit. 49: 99-100. illus. Mr.1, 1929. no.9.

Indian Journ. Med. Res.

Chopra, R.N., Ghosh, N.M. & Ratnagiriswaran, A.N.
Some medicinal plants growing in the Himalayas. II. Indian Journ. Med. Res. 16: 770-779. Ja. 1929. no.3.

V.11, no.7, p.16.

Ital. Agr. (Milan)
Happacher, E.
Anguillosi nelle radici e foglie del radicchio rosso invernale. Ital.Agr. 66: 95-97. illus. F.1929. no.2.
?Tylenchus devastatrix.

Izv. Gosud. Inst. Opytn. Agron. (Ann. State Inst. Exp. Agron.) (Leningrad)
Jaczewski, A.A.
... Ring spot disease of tobacco leaves. Izv. Gosudarstv. Inst. Opytn. Agron. (Ann. State Inst. Exp. Agron.) 6: 61-65. illus. 1928 (Rec'd Mr.1929) no.5/6.
Russian.

Izv. Opytn. Delu Severn. Kavkaza (Journ. Agr. Res. North Caucasus) (Rostov-i-Don)
Tropova, A.T.
... Fungus diseases of the new technical cultures and experiments with some means for their control. Izv. Opytn. Delu Severn. Kavkaza. (Journ. Agr. Res. North Caucasus) 11/12: 203-216. illus. 1928 (Rec'd Mr. 1929)
Russian with English summary.

Jahresb. Preuss. Landw. Versuchs- u. Forsch. Landsberg.
Schander, R.
Bericht über die tätigkeit des Instituts für pflanzenkrankheiten und der Hauptstelle für pflanzenschutz für die provinzen Grenzmark und Brandenburg rechts der Oder. Jahresb. Preuss. Landw. Versuchs- u. Forsch. Landsberg. a.d. Werthe. 1927/28: 52-95. illus. 1928 (Rec'd Mr.1929)

Journ. Agr. Prat. (Paris)
Mazé, P. & Evens, P.
La chlorose des cultures enterrain d'epandage. Journ. Agr. Prat. n.s., 51: 172-173. Mr.1929. no.9.

Journ. Amer. Soc. Agron. (Geneva, N.Y.)
Erdman, L.W.
The percentage of nitrogen in different parts of soybean plants at different stages of growth. Journ. Amer. Soc. Agron. 21: 361-366. Mr.1929. no.3.

Finnell, H.H.
The relations of grazing to wheat smut and tillering. Journ. Amer. Soc.Agron.21: 367-374. Mr.1929. no.3.

Journ. Arnold.Arb.

Faull, J. H.
A fungus disease of conifers related to the snow cover. Journ. Arnold Arb. 10: 3-8. Ja. 1929. no.1.
Phacidium ?infestans.

Palmer, E. J.
The ligneous flora of the Davis mountains, Texas; Journ. Arnold Arb. 10: 8-45. Ja.1929. no.1.
Rosa demareei, Prunus murrayana, Mendora hispida, n.sp., Prunus virginiana var. pumicea, n.var.

Rehder, A.
Proposed amendments to the international rules of botanical nomenclature. Journ. Arnold Arb. 10: 46-68. Ja.1929. no.1.
Note on the names of horticultural variations: p.65-68.

Wilson, E. H.
Widdringtonia juniperoides Endl. Journ. Arnold Arb. 10: 1-2. pl.xv. Ja.1929. no.1.

Journ. Bacteriol.

Fawcett, E.H. & Acree, S. F.
The problem of dilution in colorimetric H-ion measurements. I- Journ. Bacteriol. 17: 163-204. Mr.1929. no.3.
I. Isohydric indicator methods for accurate determination of PH in very dilute solutions.

Journ. Bot. (London)

Drabble, E.
Key to the British pansies. Journ. Bot. 67: 69-74. Mr.1929. no.795.

Exell, A.W.
Mr. John Gossweiler's plants from Angola and Portuguese Congo. Dicotyledones, Polypetalae. Journ. Bot. v.67, suppl. p.193-203. illus. Mr. 1929. no.795.

Rendle, A.B.
John Merle Coulter (1851-1928). Journ. Bot. 67: 82-84. Mr.1929. no.795.

Journ. Bot. (cont.)

Rendle, A. B.
Percy Highly, (1856-1929). Journ. Bot. 67: 86-87. Mr.1929. no.795.

Rendle, A.B.
Richard Hind Cambage, C.B.E.(1859-1928) Journ. Bot. 67: 84. Mr.1929. no.795.

Watson, W.
Lichenological notes IV. Journ. Bot. 67: 74-79. Mr.1929. no.795.

Weiss, F.E.
Richard Henry Yapp. (1871-1929). Journ. Bot. 67: 85-86. Mr.1929. no.795.

Williams, I.A.
A new species of Bromus. Journ. Bot. 67: 65-69. Mr.1929. no.795.
B.britannicus.

Journ. Bot. Soc. So. Afr. (Cape Town)

Bolus, L.
Notes on gladiolus as represented in South Africa. Journ. Bot. Soc. So. Afr. 14: 7-11. col.pl.ii-iii. 1928(Rec'd Mr.1929)

Mathews, J.W.
The cultivation of South African gladioli. Journ. Bot. Soc. So.Afr. 14:11-13. 1928(Rec'd Mr.1929)

Journ. Dept. Agr. Porto Rico. (Rio Piedras)

Cook, M.T.
The gummosis of sugar cane. Journ. Dept. Agr. Porto Rico. 12: 143-179. pl.i-v. Jl.1928. (Rec'd Mr.1929) no.3.

Nolla, J.A.B.
The black-shank of tobacco in Porto Rico. Journ. Dept. Agr. Porto Rico. 12: 185-215. pl.vi-xi. O.1928 (Rec'd Mr.1929) no.4.

Journ. Hered. (Wash., D.C.)

Anderson, H.W. & Dorsey, M.J.
The Gage peach. Journ. Hered. 20:119-125. illus. Mr.1929. no.3.

Journ. Hered. (cont.)

Bledsoe, R.P.

Multiple kernels in wheat-rye hybrids. Journ. Hered. 20: 137-142. illus. Mr.1929. no.3.

McClelland, C. K., and Janssen, G.

Multiple ear character in maize. Journ. Hered. 20: 105-109. illus. Mr.1929. no.3.

Journ. Pharm. & Chim. (Paris)

Bridel, M. & Grillon, S.

Sur la présence de notables quantités de monotropitoside dans le Gaultheria procumbens L. (plante entière) après dessiccation. Journ. Pharm. & Chim. VII, 9: 193-202. Mr. 1929. no.5.

Journ. Roy. Soc. Arts. (London)

Hooper, C.H.

The study of the order of flowering and pollination of fruit blossoms applied to commercial fruit growing. Journ. Roy. Soc. Arts. 77: 424-442. Mr.8, 1929. no.3981.

Journ. Soc. Agr. & For. Sapporo, Japan.

Tatewaki, M.

A list of plants collected by Mr. N. Hiratsuka on Mt. Kashipo and Mt. Shiretori in South Saghalien, 1928. Journ. Soc. Agr. & For. Sapporo. 20: 189-208. Ja.1929. no.91.

Journ. Washington Acad. Sci.

Blanchard, F. C.

The genetical constitutions of Oenothera pratincola and its revolute-leaved mutations. Journ. Washington Acad. Sci. 19: 115-125. Mr.19,1929. no.6.

Kosmos (Stuttgart)

Dangers, R.

Neue wege zur erkennung unserer laubbäume. Kosmos. 26: 82-87. illus. Mr.1929. no.3.

Landbouwk. Tijdschr. Maanbl. Nederl. Genootsch. Landbouwwetensch. (Amsterdam)

Mulder, R., Oelmeijer, L.J.M. & Sprenger, A.M.
Proeven over den invloed van bepaalde factoren op de rijping van eenige tuinbouwproducten. Landbouwk. Tijdschr. Maanbl. Nederl. Genootsch. Landbouwwetensch. 41: 4-19, 78-92. Ja., F.1929. no.486, 487.
Reprinted: [Meded.] Lab. Tuinbouwpl. Landbouwhoogesch. Wageningen. no.8. 32 p. illus. F.1929.
Contents: I.De invloed van de temperatur op de narijping van mangga gedong. II. De invloed van aethyleen en temperatuur op de narijping van tomaten en andere tuinbouwproduction.

Meded. Proefst. Thee Nederl. Ind.

Steinmann, A.
Verslag van den mycoloog. In Verslag van het Algemeen proefstation voor thee... 1926/27. Meded. Proefst. Thee Nederl. Ind. no.C, p.22-23. 1928.

Möller's Deut. Gärtn.-zeit. (Erfurt)

Brandt, A.
Das verdampfungs-verfahren. Sichere pilzbekämpfung mittels desinfektion. Möller's Deut. Gärtn.-Zeit. 8: 94-95. 1929.

Nachrichtenbl. Deut. Pflanzenschutzd. (Berlin)

Merkenschlager, F.
Ueber das schwarzwerden der kartoffelknollen. Nachrichtenbl. Deut. Pflanzenschutzd. 9: 20-21. Mr.1929. no.3.

Nature. (London)

Kidd, F. & West,C.
Retardatiom of the ripening of pears by the exclusion of oxygen. Nature. 123: 315-316. Mr.2, 1929. no.3096.

Scott, D.H.
Aspects of fossil botany. Nature. 123: 319-321, 350-352. Mr.2,9, 1929. no.3096, 3097.
I. Ferns and seed ferns.
II. Early floras.

Whyte, R.O.
Dioecism in Ranunculus acris. Nature. 123: 413. Mr.16,1929. no.3098.

Naturforsch. (Berlin)

Stern, C.
Die physiologie des generationwechsels.
Naturforsch. 5: 497-508. Mr.1929. no.12.

New Phytol. (London)

Pilkington, M.
The regeneration of the stem apex. New Phytol. 28: 37-53. illus., pl.i-ii. Mr. 11, 1929. no.1.

Priestley, J.H.
Cell growth and cell division in the shoot of the flowering plant. New Phytol. 28: 54-81. illus. pl. iii. Mr.11, 1929. no.1.

Watson, W.
The classification of lichens. New Phytol. 28: 1-36. Mr.11,1929. no.1.

Nuovo Giorn. Bot. Ital. (Firenze)

Calvino, E.M.
Secondo contributo alla lichenologie del Forlivese
Nuovo Giorn. Bot. Ital. 35: 525-535. 1929. no.4.

Cengia-Sambo, M.
Contributo alla flora vascolare dell'Urbinate.
Nuovo Giorn. Bot. Ital. 35: 425-506. 1929. no.4.

Chiarugi, A.
Anomalie fiorali e disturbi della sessulaità nel genere "Cistus." Nuovo Giorn. Bot. Ital. 35: 507-524. illus. 1929. no.4.

Chiarugi, A.
Prime notizie sulle foreste pietrificate della Sirtica. Nuovo Giorn. Bot. Ital. 35: 558-566. 1929. no.4.

Fenaroli, L.
Seconda nota sul "Ranunculus seguieri "Vill. var. "cadinensis" Fen. Nuovo Giorn. Bot. Ital. 35: 536-539. 1929. no.4.

Pampanini, R.
A proposito della pretesa var. "cadinensis" Fenaroli del "Ranunculus seguieri" Vill. Nuovo. Giorn. Bot. Ital. 35: 567-575. illus. 1929. no.4.

Nuovo Giorn. Bot. Ital. (cont.)

Pampanini, R.
Un altro contributo alla conoscenza della flora del Caracorùm (Asie Centrale). Nuovo Giorn. Bot. Ital. 35: 540-545. 1929. no.4.

Pampanini, R.
Che cose è il "Ranunculus digeneus Kern.? Nuovo Giorn. Bot. Ital. 35: 555-57. illus. 1929. no.4.
Form of R.parnassifolius.

Scaramella, P.
Ricerche preliminari su una nuova forma di "Mycotorula" a pigmento rosa-rosso. Nuovo Giorn. Bot. Ital. 35: 546-554. illus. 1929. no.4.
M.roseo-corallina.

Obst- u. Gemüseb. (Berlin)

Gleisberg, W.
Umpfropf- krankheiten. Obst- u. Gemüseb. 75: 28-31. illus. F.20,1929. no.2.

Orchid Rev.(Richmond, England)

Clement, E.
Non-symbiotic and symbiotic germination of orchid seed. Orchid Rev. 37: 68-75. illus. Mr.1929. no.429.

Cooper, E.
Dendrobium antelope and its allies. Orchid Rev. 37: 79-80. Mr.1929. no.429.

Smith, J.J.
Autogamy in Orchidaceae. Orchid Rev. 37: 75-78. Mr.1929. no.429.

Plant. & Sugar Manuf. (New Orleans)

Wolters, W.
Root distribution. Plant. & Sugar Manuf. 82: 223-225, 240. Mr.23, 1929. no.12.

Prakt. Blätt. Pflanzenb. u. Pflanzensch. (Freising)

Kinzel, W.
Ueber den einfluss von licht und frost sowie wechselnder temperaturen auf die keimung der samen. Prakt. Blätt. Pflanzenb. u. Pflanzensch. 28: 274-280. F.1929. no.2.

Prakt. Blätt. Pflanzenb. u. Pflanzensch. (cont.)

Weigert, J. & Fürst, F.

Hederich und ackersenf, die schlimmsten unkräuter des sommergetreides, ihr schaden und ihre bekämpfung. Prakt. Blätt. Pflanzenb. u. Pflanzensch. 28: 261-266. illus. F.1929. no.2.

Zattler, F.

Die leistungen der hopfenpflanzer in Bayern in den jahren 1927 und 1928 zuf dem gebiete der krankheits- und schadlingsbekämpfung. Prakt. Blätt. Pflanzenb. u. Pflanzensch. 28: 267-274. maps. F. 1929. no.2.

Proc. Imp. Acad. Tokyo.

Fukushima, E.

Preliminary report on Brassico-Raphanus hybrids. Proc. Imp. Acad. Tokyo. 5: 48-50. illus. Ja.1929.

Quart. Rev. Biol. (Baltimore)

Nilsson-Leissner, G.

Death from low temperature and resistance of plants to cold. Quart. Rev. Biol. 4: 113-117. illus. Mr.1929. no.1.

Queensl. Agr. Journ. (Brisbane)

Francis, W.D.

Queensland rain-forest trees (Harpullia pendula) Queensl. Agr. Journ. 31: 160. pl.lxi-lxii. F.1, 1929. no.2.

Queensl. Bur. Sugar Exp. Stat. Div. Path. Bull.

Bell, A.F.

A key for the field identification of sugar cane diseases. Queensl. Bur. Sugar Exp. Stat. Div. Path. Bull. 2. 63 p. xxviii pl. (2 col.) 1929.

Rep. Brit. Assoc. Adv. Sci.

Gwynne-Vaughan, H.

Sex and nutrition in the fungi. Rep. Brit. Assoc. Acv. Sci. 96: 185-199. 1929.

Rev. de Agr. (Piracicaba)

Toledo Piza, S.de,, jr.

Observações sobre a caryocinese na raiz do cafeeiro. Rev. de Agr. 4: 9-12. illus. Ja.-F.1929. no.1/2.

Science, (Lancaster, Pa.)

Cockerell, T.D.A.
Biological control of the prickly pear. Science. 69: 328-329. Mr.22,1929. no.1786.

Copeland, E.B.
What is the type of a genus? Science. 69: 327-328. Mr.22,1929. no.1786.

Rogers, C.F.
Winter activity of the roots of perennial weeds. Science. 69: 299-300. Mr.15,1929. no.1785.

Shorter, E.S.
An artist looks at Gordonia. Science. 69: 300-301. Mr.15,1929. no.1785.

Sci. Rep. Tohoku Imp. Univ., 4. Ser. Biol. (Sendai)

Horikawa, Y.
Studies on the Hepaticae of Japan I- Sci. Rep. Tohoku Imp. Univ. 4. Ser.Biol. 4: 37-72. illus., pl.vi-ix. F.1929. no.1.

Okada, Y.
Notes on the germination of the spores of some pteridophytes with special regard to their viability. Sci. Rep. Tohoku Imp. Univ. 4. Ser. Biol. 4: 127-182. F.1929. no.1.

Okada, Y.
Study of Euryale ferox Salisb. III. On the form and structure of juvenile leaves. Sci. Rep. Tohoku Imp. Univ. 4. Ser.Biol. 4: 117-126. illus., pl.x-xi. F.1929. no.1.

Tahara, M.
Rhizoid formation in the embryo of Turbinaria(?) fusiformis Yendo and Sargassum thunbergii O'Kuntze. Sci. Rep. Tohoku Imp. Univ. 4. Ser.Biol. 4: 1-6. illus. F.1929. no.1.

Scient. Month. (Lancaster, Pa.)

Clark, N.A.
Vitamins and the world of plants. Scient. Month. 28: 343-348. Ap.1929. no.4.

Sci. Rep. Agr. Res. Inst. Pusa.
Joshi, N.V.
Report of the imperial bacteriologist. Scient. Rep. Agr. Res. Inst. Pusa. 1927/28: 40-55. 1928.
Plant diseases: p.52-53.

McRae, Wm.
Report of the imperial mycologist. Scient. Rep. Agr. Res. Inst. Pusa. 1927/28: 56-70. 1928.

Sierra Club. Bull. (San Francisco)
Morse, E.E.
Trailing the Sierran puffball. Sierra Club Bull. 14: 61-63. pl.xxiv-xxv. F.1929. no.1.
Calvatia sculpta.

Sitzungsb. Naturh. Ver. Preuss. Rheinl. u. Westf. (Bonn)
Deegener, H.
Anders Yngve Grevillius. 1864-1925. Sitzungsb. Naturh. Ver. Preuss. Rheinl. u. Westf. 1927: 1-3. 1928. (Rec'd Mr.1929)

Neubaur, F.
Paul Seehaus. 1827-1925. Sitzungsb. Naturh. Ver. Preuss. Rheinl. u. Westf. 1927: 4-5. 1928. (Rec'd Mr.1929)

Thyssen, P.
Einige bemerkenswerte abänderungen an Botrychium lunaria Sw. Sitzungsb. Naturh. Ver. Preuss. Rheinl. u. Westf. 1927: 6-9. illus. 1928 (Rec'd Mr.1929)

Skrift. Norske Vidensk.-Akad. Matem. Nat. Kl. (Oslo)
Nordhagen, R.
Die vegetation und flora des Sylenegebietes I. Skrift. Norske Vidensk.-Akad. Matem.-Nat. Kl. 1927. no.1. 612 p. illus., plates, maps. 1928. (Rec'd Mr.1929)

Tijdschr. Plantenz. (Amsterdam)
Lek, H.A.A. van der.
Over aparasitaire uitwassen aan houtige planten. (Non-parasitic outgrowths of woody plants.) Tijdschr. Plantenz. 35: 25-59. pl. ii-iii. F.1929. no.2.
Dutch with English abstract: p.55.

Tijdschr. Plantenz. (cont.)
Waal, G.A. van der.
Het blauw worden der aardappelen. Tijdschr. Plantenz. 35: 60-68. F.1929. no.2.

Trab. Mus. Nac. Cienc. Nat. Madrid. Ser.Bot.
Ruiz de Azúa, J.
Contribución al estudio do las eufilicíneas y euequisetíneas Españolas, especialmente de las provincias vascongadas. Trab. Mus. Nac. Cienc. Nat. Madrid Ser.Bot. 24. 116 p. illus. Je.1,1928. (Rec'd Mr.1929)

Trans. Brit. Mycol. Soc.(London)
Ashby, S.F.
Strains and taxonomy of Phytophthora palmivora Butler (P.faberi Maubl.) Trans. Brit. Mycol. Soc. 14: 18-38. illus. Mr.11, 1929. no.1/2.
All strains to be referred to P.palmivora and P.faberi & P.theobromae to be considered synonyms.

British mycological society - Plant pathology subcommittee.
List of common names of British plant diseases. Trans. Brit. Mycol. Soc. 14: 140-177. Mr.11, 1929. no.1/2.

Buddin, W. & Wakefield, E.M.
Further notes on the connection between Rhizoctonia crocorum and Helicobasidium purpureum. Trans. Brit. Mycol. Soc. 14: 97-99. Mr.11,1929. no.1/2.

Butler, E.J.
The development of economic mycology in the empire overseas. Trans. Brit. Mycol. Soc. 14: 1-18. Mr.11, 1929. no.1/2.

Dillon Weston, W.A.R.
Observations on the bacterial and fungal flora of the upper air. Trans. Brit. Mycol. Soc. 14: 114-117. Mr.11, 1929. no.1/2.

Fenton, E.W.
Seeds mixtures and the incidence of fungal disease. Trans. Brit. Mycol. Soc. 14: 88-93 Mr.11, 1929. no.1/2.

Trans. Brit. Mycol. Soc.(cont.)

Gadd, C.H.
Rhizoctonia bataticola and tea root diseases. Trans. Brit. Mycol. Soc. 14: 99-109. Mr.11, 1929. no.1/2.

Garside, S.
The structure and mode of reproduction of Siphula tabularis Nyl. Trans. Brit. Mycol. Soc. 14: 60-69. illus., pl.i. Mr.11, 1929. no.1/2.

Matsumoto, T.
The investigation of Aspergilli by serological methods. Trans. Brit. Mycol. Soc. 14: 69-88. Mr.11, 1929. no.1/2.

Paul, W.R.C.
A comparative morphological and physiological study of a number of strains of Botrytis cinerea Pers. with special reference to their virulence. Trans. Brit. Mycol. Soc. 14: 118-135. pl. ii. Mr.11, 1929. no.1/2.

Paulson, R.
The gonidium common to many lichens. Trans. Brit. Mycol. Soc. 14: 135-139. pl.iii. Mr.11, 1929. no.1/2.

Salmon, E.S. & Ware, W.M.
Two downy mildews of the nettle: Pseudoperonospora urticae (Lib.) Salm. et Ware and Peronospora debaryi nomen novum. Trans. Brit. Mycol. Soc. 14: 38-60. illus. Mr.11,1929. no.1/2.

Ware, W.M.
Note on Rhizoctonia crocorum (Pers.) DC. Trans. Brit. Mycol. Soc. 14: 94-95. Mr.11, 1929. no.1/2.

Watson, H.
Field notes on an attack by Rhizoctonia crocorum on Sitka spruce (Picea sitchensis). Trans. Brit. Mycol. Soc. 14: 95-96. Mr.11, 1929. no.1/2.

Trans. (Tottori Nogaki-Kwaiho) Tottori Soc.Agr. Sci.

Furuichi, M.

On the physical and chemical properties of the various proteins in the nuts of Ginkgo biloba, L. Trans.(Tottori Nogaki-Kwaiho) Tottori Soc. Agr. Sci. 1: 105-125. Mr.1928 (Rec'd F.1929) no.2.

Japanese with English summary.

Matsuura, I.

On a new leaf-spot disease of Impatiens balsamina L.caused by Cerosporina fukushiana n.sp. Trans. (Tottori Nogaki-Kwaiho) Tottori Soc. Agr. Sci. 1: 83-89. illus. Mr.1928 (Rec'd F.1929) no.2.

Teshima, T.

First generation hybrids in sesame, 1. Trans. (Tottori Nogaki-Kwaiho) Tottori Soc. Agr. Sci.) 69-82. illus. Mr.1928(Rec'd F.1929) no.2.

Japanese with English summary.

1.Crosses between black and white varieties.

Trudy Nauchno-Issled. Inst. Spets. i Intens. Pol. Kul'ter Kubansk. Sel.-Khoz. Inst. (Arb. Wiss. Forsch-Inst. Spec. u. Intens. Kult. Kuban. Landw. Inst.) (Krasnodar)

Beketovskii, D.N.

... Beiträge zur kenntnis der heterogenen formen. Trudy Nauchno-Issled. Inst. Spets. i Intens. Po.l, Kul'tur Kubansk. Sel.-Khoz. Inst.(Arb. Wiss. Forsch.-Inst. Spec. u. Intens. Kult. Kuban. Landw. Inst.) 45: 139-152. illus. 1928 (Rec(d Mr.1929)

Russian with German summary.

I. Zum studien der heterogenen form der Tilia platyphyllos Scop. v. asplenifolia hort.

Beketovskii, D.N.

... Einfluss einer verschiedener lichtspannung auf die Japanische minze (Mentha arvensis L.v. piperascens Holm). Trudy Nauchno-Issled. Inst. Spets. i. Intens. Pol. Kul'tur Kubansk. Sel.-Khoz. Inst. (Arb. Wiss. Forsch.-Inst. Spec. u.Intens. Kult. Kuban. Landw.Inst.) 45: 55-62. 1928 (Rec'd Mr.1929)

Russian with German summary.

Trudy Nauchno-Issled. Inst. Spets.i Intens. Pol. Kul'tur Kubansk. Sel.-Khoz. Inst. (Arb. Wiss. Forsch-Inst. Spec. u. Intens. Kult. Kuban. Landw. Inst. (cont.)

Bolgarev, P.T.

... l'importance des fleurs du raisin dans l'ampélographie. Trudy Nauchno-Issled. Inst. Spets. i Intens. Pol. Kul'tur Kubansk. Sel.-Khoz. Inst. (Arb. Wiss. Forsch.-Inst. Spec. u. Intens. Kult. Kuban. Landw. Inst.) 45: 119-137. illus. 1928 (Rec'd Mr.1929)

Russian with German summary.

Dieterichs, I.M.

... Zur anatomie der holztriebe und fruchtzweige bei appeln und birnen. Trudy Nauchno-Issled. Inst. Spets.i Intens. Pol. Kul'tur Kubansk. Sel.-Khoz. Inst. (Arb. Wiss. Forsch.-Inst. Spec.u. Intens. Kult. Kuban. Landw. Inst.) 45: 153-162. illus. 1928 (Rec'd Mr.1929)

Russian with German summary.

Merzhanian, A.S.

... Ueber die physiologie des blühens der weinrebe. Trudy Nauchno-Issled. Inst. Spets. Intens. Pol. Kul'tur Kubansk. Sel-Khoz. Inst. (Arb. Wiss. Forsch.-Inst. Spec. u. Intens. Kult. Kuban. Landw. Inst.) 45: 55-118. illus., pl., tab. 1928 (Rec'd Mr.1929)

Russian with German summary.

Schmuck, A.

... The alkaloids of tobacco. Trudy Nauchno-Issled. Inst. Spets.i Intens. Pol. Kul'tur Kubansk. Sel.-Khoz. Inst. (Arb. Wiss. Forsch.-Inst. Spec. u. Intens. Kult. Kuban. Landw. Inst.) 45: 1-47. 1928 (Rec'd Mr.1929)

Russian with exceedingly brief English summary,

Uglitskikh,A.N.

... Die verschiedenartigkeit Prunus divarikata Led. auf den dunkeln kirsch-karminefarbigen fruchten. Trudy Nauchno-Issled. Inst. Spets. i Intens. Pol. Kul'tur Kubansk. Sel.-Khoz. Inst. (Arb. Wiss. Forsch.-Inst. Spec. u. Intens. Kult. Kuban. Landw. Inst.) 45: 163-166. illus. 1928 (Rec'd Mr.1929)

Russian with German summary.

U.S. Dept. Agr. Leafl.
Meier, F. C., Boerner, E.G., Bodnar, G.P., Leighty, C.E. & Coke, J.E.
The combination cleaning and treating of seed wheat. U.S. Dept. Agr. Leafl. 33. 8 p. illus. F.1929.

U. S. Dept. Agr. Plant Dis. Rep.
Linford, M.B.
Pea diseases in the United States in 1928. U.S. Dept. Agr. Plant Dis. Rep. Suppl. 67. 14 p. Mr.15,1929.

U.S. Dept. Dept. Agr. Techn. Bull.
Spaulding, P.
White-pine blister rust: a comparison of European with North American conditions. U.S. Dept. Agr. Techn. Bull. 87. 58 p. illus. F.1929.

Veröffentl. Staatl. Stelle Natursch. Württ. Landws. Denkmalpfl.
Bertsch, K.
Blütenstaubuntersuchungen im Federseegebiet. Veröffentl. Staatl. Stelle Natursch. Württ. Landes. Denkmalpfl. 4: 7-49. illus. 1928 (Rec'd Mr.1929)

Bertsch, K.
Ueber das vorkommen von drei seltenen sumpf-orchideen in Württemberg. Veröffentl. Staatl. Stelle Natursch. Wurtt. Landes. Denkmalpfl. 4: 144-150. illus. 1928 (Rec'd Mr.1929)

Bertsch, K.
Wald- und florengeschichte der schwäbischen Alb. Nach den untersuchungen ihrer wichtigsten moore, besonders der schopflocher torfgrube. Veröffentl. Staatl. Stelle Natursch. Württ. Landes. Denkmalpfl. 5: 5-58. illus. 1929.

Vict. Nat. (Melbourne)
Williamson, H.B.
Plant hunting on the Upper Murray. Vict. Nat. 45: 259-264. F.1929. no.10.

Zeitschr. Angew. Chem. (Leipzig)
Jacob, A.
Die chemische untersuchungen des blattes als diagnostisches mittel zur bestimmung des nahrstoffbedarfes des weinstocks. Zeitschr. Angew. Chem. 42: 257-262. Mr.9, 1929. no.10.

Zeitschr. Bot. (Jena)
Tamiya, H. & Miwa, Y.
Ueber die anaerobe atmung von Aspergillusarten. Zeitschr. Bot. 21: 417-432. illus. F.21,1929. no.8.

Zeitschr. Pflanzenkr. (Stuttgart)
Niethammer, A.
Versuche zur deutung der stimulierende wirkung von uspulun universal veim auflaufen des saatgutes. Zeitschr. Pflanzenkr. 39: 120-122. Mr.1929. no.3.

Tubeuf, C.von.
Die wirtekreis von Loranthus europaeus und seine ausdehnung auf Castanea vesca. Zeitschr. Pflanzenkr. 39: 113-120. illus. Mr.1929. no.3.

Zeitschr. Pilzk. (Leipzig)
Arndt, A.
Der hallimasch. Zeitschr. Pilzk. 8: 17-18 illus. F.25,1929. no.2.

Laubert, R.
Rost-, mehltau- und andere schmarotzerpilze des Kyffhäusers. Zeitschr. Pilzk. 8: 18-23. F.25, 1929. no.2.

Pieschel, E.
Ueber pilze als erlenbegleiter und über die mykorrhizenfrage bei erlen. Zeitschr. Pilzk. 8: 23-28. F.25, 1929. no.2.

Zellstimulationsforsch. (Berlin)
Niethammer, A.
Grundlagen und praktische ziele bei der beeinflussung des keimverlaufes unserer landwirtschaftlichen kultursämereien durch chemische und physikalische agentien. Zellstimulationsforsch. 3: 201-244. Ja.1929. no.3.

Exper. Stat. Publ

Nolen, R.E.
Pecan scab control. Florida Exp. Stat. Press Bull. 414. [2] p. Mr.1929.

Pickett, W.F. & Martin, W.R.jr.
Spraying fruit plants. Kansas Agr. Exp. Stat. Circ.145. 32 p. illus. Mr.1929.
(Circular 125 revised)

Harvey, R.B.
Artificial ripening of fruits and vegetables. Minnesota Agr. Exp. Stat. Bull.247. 36 p. illus. O.1928 (Rec'd Mr.1929)

White, R.P.
Potato experiments for the control of Rhizoctonia, scab, and blackleg, 1922 to 1927. Kansas Agr.Exp. Stat. Techn. Bull.24. 37 p. O.1928(Rec'd Mr.1929)

Traub, H.P.
Regional and seasonal distribution of moisture, carbohydrates, nitrogen, and ash in 2-3 year portions of apple twigs. Minnesota Agr. Exp. Stat. Techn. Bull. 53. 67 p. illus. Je.1927 (Rec'd Mr.1929)

Wedgworth, H.H. & others.
Corn seed treatment experiments. Mississippi Agri Exp.Stat. Circ. 81.[3] p. D.1928 (Rec'd Mr. 1929)

Huckett, H.C.
Dusting and spraying experiments with potatoes on Long Island in 1928. N.Y. Agri Exp.Stat. Circ. 103. 12 p. illus. [1928] (Rec'd Mr.1929)

Tucker, C.M.
Report of the plant pathologist. Rep. Porto Rico Agr. Exp Stat. 1927: 25-28. 1929.

Stat Publications

Newell, W.
The citrus canker menace. Month. Bull. Dept. Agr. Calif. 18: 128-133. F.1929. no.2.

New Books.

Arnold Arboretum.
The Arnold arboretum and its future. Jamaica Plain, Mass., Harvard university, 1927.

Bresadola, J.
Iconographia mycologica VIII. Mediolani, 1928.

Brooks, F.T.
Plant diseases. Oxford, University press, 1928.

Crowfoot, G.M.
Flowering plants of the northern and central Sudan. Leominister [1928]
Forming a companion volume to the List of Sudan flora.

Festschrift anlässlich des siebzigsten geburtstages von Julius Stoklasa... hrsg. von E.G. Doerell... Berlin, P.Parey, 1928.
Dr. Jul. Stoklasa (Biographische skizze) von Edward Reich: p.19-54. port.
Verzeichnis der wissenschaftlichen arbeiten Prof. Dr. Julius Stoklasa's: p. 41-54

Aso, K.
On the universal presence of manganese compounds in plants and their physiological significance. In Festschrift anläszlich des siebzigsten geburtstages von Julius Stoklasa. Verlin,1928. p.145-159.

Bodnár J.
Beiträge zur biochemischen wirkung des kaliumions. In Festschrift anläszlich des siebzigsten geburtstages von Julius Stoklasa. Berlin, 1928. p.161-166.

Boresch, K. & Sachse,J.
Zur frage nach der bedeutung der kieselsäure in der ernährung des hafers. In Festschrift anläszlich des siebzigsten geburtstages von Julius Stoklasa. Berlin,1928. p.167-176. illus.

Doerell, E.G.
Landwirtschaftliche betrachtungen zum rauchschadenproblem. In Festschrift anläszlich des siebzigsten geburtstages von Julius Stoklasa. Berlin,1928. p.183-190.

New Books. (cont.)

Kürschner, K.
Ueber den derzeitgen stand der ligninfrage. In Festschrift anläszlich des siebzigsten geburtstages von Julius Stoklasa. Berlin, 1928. p.119-245.

Neuberg, C. & Kobel, M.
Milchsäurebildung in blättern grüner pflanzen. In Festschrift anläszlich des siebzigsten geburtstages von Julius Stoklasa. Berlin, 1928. p.269-278.

Prianischnikow, D.N.
Ueber umsatz der stickstoffhaltigen stoffe bei pflanzen und tieren. In Festschrift anläszlich des siebzigsten geburtstages von Julius Stoklasa. Berlin, 1928. p.297-304.

Velenovský, J.
Die drosera-kultur in Böhmen. In Festschrift anläszlich des siebzigsten geburtstages von Julius Stoklasa. Berlin, 1928. p.391-393.

Fiori, A.
Nuovo flora analitica d'Italia... v.2, fasc. 6. Firenze, M.Ricci, 1928.

Hansen, J.
Albrecht Thaer. Festrede zum gedächtnis seines hundertjährigen todestages gehalten in der Landwirtschaftlichen hochschule Berlin. Berlin, P. Parey, 1929.

Hollick, A.
Paleobotany of Porto Rico. In New York Acad. of Sciences. Scientific survey of Porto Rico and the Virgin Islands. N.Y., 0.31,1928 7: 177-238. pl.51-88. no.3.

Homfeld, H.
Beitrag zur kenntnis der desmidiaceen nordwestdeutschlands besonders ihrer zygoten. Jena. G. Fischer, 1929 (Pflanzenforschung hrsg. von R. Kolkwitz, h.12)

New books (cont.)

Kaufmann, A.
Beitrag zur frage der bestimmung des kalkbedarfs saurer böden auf grund von laboratoriums- und vegetationsversuchen. Berlin, 1928.

Kirchner, O.
Lebensgeschichte der blütenpflanzen Mitteleuropas... Fortgeführt von W.Wangerin, C.Schröter. lfg. 34 (bd.1, 4.abt., bog.5-12: Orchidaceae von F Ziegenspeck) Stuttgart, E.Ulmer, 1928.

Koopmans, R.G.
Researches on the flora of the coal-balls from the "finefrau-nebenbank" horizon in the province of Limburg (the Netherlands). Flora en Fauna Nederl. Karboon, I. 53 p. illus., xviii pl. 1928.

North American Flora Fabaceae Galegeae (pars)-
P.A. Rydberg. v.7, pt.5. F.19,1929.

Smith, J.R.
Tree crops. N.Y., Harcourt, Brace & Co., 1929.

Vavilov, N.I. & Bukinich, D.D.
... Agricultural Afghanistan. Leningrad, 1929.
2 p.l., 610, xxxii p. illus., plates, maps. 26cm. (Prilozh. 33. Trudy Prikl. Bot., Gen. i Sel. (Suppl.33.Bull.Appl. Bot., Gen. & Plant-breed.)
Russian with English summary.

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.

Vol. 11, no. 8. April 1-13, 1929.

Addisonia. (N.Y.)

Addisonia v.14, no.1. col.pl. 449-456. Mr.1929.
Iris violipurpurea. pl.449. - I. albispiritus. pl.450. - I. giganticaerulea. pl.451. - I. chrysophoenicis. pl.452. - I. miraculosa. pl.453.-I. chrysaeola. pl.454. - I. atrocyanea. pl.455. - I verna. (mountain form) pl.456.

Agr. Journ. India. (Calcutta)

Cheema, G. S.
The value of Zizyphos rotundifolia as a stock plant. Agr. Journ. India. 24: 46-59. pl.v-vii. Ja.1929. no.1.

Sayer, W.
Mosaic and its control in other cane growing countries. Agr.Journ. India. 24: 25-31. Ja. 1929. no.1.

Amer. For. & For.Life. (Wash., D.C.)

Borah, A.
Trees of the Bible. V. The Tamariks and the sycamore. Amer. For. & For. Life. 35: 231-233. illus. Ap.1929. no. 4.

Mowry, H.
Trees for southern hedges. Amer. For. & For. Life. 35: 203-206. illus. Ap.1929. no.4.

Amer. Fruit Grow. Mag. (Chicago)

Young, H. C.
"Brooks' fruit spot" cost $1,000,000. Amer. Fruit Grow. Mag. 49: 6, 25. illus. Ap.1929. no.4.

Young, V. H.
Grape anthracnose in southern vineyards. Amer. Fruit Grow. Mag. 49: 17. illus. Ap. 1929. no.4.

Amer. Journ. Bot.

Arndt, C.H.
Configuration and some effects of light and gravity on Coffea arabica L. Amer. Journ. Bot. 16: 173-178. pl. xiii. Mr.1929. no.3.

Amer. Journ. Bot. (cont.)

Arndt, C.H.
The movement of sap in Coffea arabica L. Amer. Journ. Bot. 16: 179-190. pl.xiv. Mr. 1929. no.3.

Busse, W. F. & Daniels, F.
Some effects of cathode rays on seeds. Amer. Journ. Bot. 16: 139-153. illus. Mr.1929. no.3.

Curtis, O. F.
Studies on solute translocation in plants. Experiments indicating that translocation is dependent on the activity of living cells. Amer. Journ. Bot. 16: 154-168. illus. Mr.1929. no.3.

Robinove, J.J. & Horton, C.W.
The growth rate of aspens in the region about Douglas Lake, Michigan. Amer. Journ. Bot. 16: 169-172. Mr. 1929. no.3.

Schaffner, J.H.
Fluctuation of the point of sex reversal in Sagittaria latifolia. Amer. Journ. Bot. 16: 191-195. Mr.1929. no.3.

Amer. Journ. Pharm. (Philadelphia)

Dunn, M. S.
Three centuries of botanical exploration in eastern Asia (17th, 18th and 19th). Amer. Journ. Pharm. 101: 186-190. Mr.1929. no.3.

Angew. Bot.(Berlin)

Bos, H.
Die anwendung künstlicher beleuchtung bei der sortenechtheitsprüfung der samen im winter. Angew. Bot. 11: 25-53. illus. Ja./F.1929. no.1.

Cruger, O.
Fuszkrankheit an weizen, roggen und gerste. Angew. Bot. 11: 1-24. Ja./F.1929. no.1.

Merkenschlager, F.
Oscar Loew, zu seinem 85. geburtstag am 2. April 1929. Angew. Bot. 11: 63-76. port. Ja./F. 1929. no.1.

Angew. Bot.(cont.)

Nagel, W.

Rhodannatrium als mittel zur keimförderung bei pflanzen. Angew. Bot. 11: 54-57. Ja./F.1929. no.1.

Ann. Accad. Agr. Torino.

Montemartini, L.

Sopra la possibilità di somministrare carbonio allo foglie delle piante. Ann. Acaad. Agr. Torino. 70: 3-15. 1928 (Rec'd 1929)

Voglino, P.

Funghi parassiti delle piante da fruitta studiati nel 1927. Ann. Accad. Agr. Torino. 70: 53-58. illus. 1928 (Rec'd Ap.1929)

Ann. Jard. Bot. Buitenzorg.

Goebel, K. E.

Morphologische und biologische studien XII-XV. Ann. Jard. Bot. Buitenzorg. v.39. 232 p. xxii pl. 1928 (Rec'd Ap.1929)

XII. Malesische lebermoose. XIII. Weitere untersuchungen über die gruppe der drynariaceen, XIV. Die symmetrieverhältnisse der pteridophytensporangien. XV. Rückblick.

Ann. Missouri Bot. Gard. (St.Louis)

Anderson, E.

Variation in Aster anomalus. Ann. Missouri Bot. Gard. 16: 129-144. illus., pl. iv. Ap.1929. no.2.

Davis, E. F.

Some chemical and physiological studies on the nature and transmission of "infectius chlorosis" in variegated plants. Ann. Missouri Bot. Gard. 16: 145-226. pl.v-x. Ap.1929. no.2.

Experiments with Abutilon thompsonii and varieties of Evonymus japonica.

Ann. Sci. Agron. (Paris)

Bertrand, G.

Dosages directs du potassium et du sodium dans les plantes applicables aussi à d'autres substances. Ann. Sci. Agron. 46: 1-8. Ja./F.1929. no.1.

Foex, E.

A propos d'un ouvrage recent sur les principes scientifiques de la protection des plantes. Ann. Sci. Agron. 46: 33-45. Ja./F.1929. no.1.

Ann. R. Staz. Sper. Agrum. e. Fruttic. Acireale.

Ajon, G.
Sulla maturazione del frutto di limone. Esame chimico dell'agro. Ann. Staz. Sper. Agrum. e. Fruttic. Acireale. 9: 23-47. 1928 (Rec'd.Ap. 1929)

Savastano, G.
I capisaldi della cedricoltura Calabra. Ann. Staz. Sper. Agrum. e Fruttic. Acireale. 9: 49-88. pl.7-12. 1928 (Rec'd Ap.1929)

Savastano, G.
La frutticoltura subtropicale della Florida in relazione ad un possible analogo sviluppo nella Sicilia. Ann. Staz. Sper. Agrum. e Fruttic. Acireale. 9: 1-21. pl.1-6. 1928 (Rec'd Ap.1929)

Arch. de Bot. Caen. Bull. Mens.

Christensen, C.
Fougères nouvelles ou peu connues de Medagascar récoltées par H. Humbert en 1924. Arch. de Bot. Caen Bull. Mens. 2: 209-216. D. 1928 (Rec'd Ap. 1929) no. 12.

Atti Soc. Nat. e Mat. Modena. (Forli)

Béguinot, A.
Ulteriori notizie sulla ihdridologia del Papaver rhoeas L. con speciale riguardo alla razze Shirley. Atti Soc. Nat. e Mat. Modena. VI, 7: 175-190. 1928. (Rec'd Ap.1929)

Draghetti, A.
Pseudomutazioni di colore nei granelli di Soja hispida Mnch. Atti Soc. Nat. e Mat. Modena. VI, 7: 75-81. 1928 (Rec'd Ap.1929)

Negodi, G.
Caratteri fillotassici anomali in Urtica caudata, Vahl. Atti Soc. Nat. e Mat. Modena. VI, 7: 170-174. 1928. (Rec'd Ap.1929)

Negodi, G.
Considerazioni ed esperienze sulla fertilità dei alcune specie di Yucca. Atti Soc. Nat. e Mat. Modena. VI, 7: 82-89. 1928 (Rec'd Ap.1929)

Atti Soc. Nat. e Mat. Modena. (cont.)

Piccinini, G.M.
La Digitalis lutea L. dell'Appennino tosca-emiliano possiede un valore glucosidico assai utile per la farmacia. Atti Soc. Nat e Mat. Modena. VI, 7: 59-74. 1928(Rec'd Ap.1929)

Savelli, R.
Difetto di reazione geotropica in germinazioni di canapa da seme vecchio. Atti Soc. Nat. e Mat. Modena. VI, 7: 90-92. illus. 1928 (Rec'd Ap. 1929)

Vaccari, A.
Nuove aggiunte alla Flora dell'arcipelago di Maddalena e contributo alla flora di alcune isole adiacenti alla Sardegne. Atti Soc. Nat. e Mat. Modena. VI, 7: 31-45. 1928 (Rec'd Ap.1929)

Beih. Bot. Centralbl. Abt.I.

Fischer, M.
Beiträge zur kenntnis der spaltenapparate an früchten und zur durchluftung der hohlfrüchte. Beih. Bot. Centralbl. Abt.I, 45: 271-389. illus. pl.i-iii. F.1929. no.3.

Pascher, A.
Eine neue farblose chlorophycee. Beih. Bot. Centralbl. Abt.I. 45: 390-400. illus. F.1929. no.3.
Characium chrysophyxidis n.sp.

Stephan, J.
Keimungs- und wachstumsbeschleunigung bei Dicksonia antarctica. Beih. Bot. Centralbl. Abt.I, 45: 401-408. F.1929. no.3.

Biol. Rev. & Biol. Proc. Cambridge Phil. Soc.

Pfeiffer, H.
Der isoelektrische punkt von zellen und geweben. Biol. Rev. & Biol. Proc. Cambridge Phil. Soc. 4: 1-40. diagrams. Ja.1929. no.1.

Seifriz, W.
The structure of protoplasm. Biol. Rev. & Biol. Proc. Cambridge Phil. Soc. 4: 76-102. Ja.1929. no.1.

Bot. Arch. (Leipzig)

Hofmann, E. & Morton, F.
Interessante standortsformen von Adiantum capillus veneris and Asplenium trichomanes. Bot. Arch. 24: 178-181. F.1929. no.1/2.

Morton, F.
Beiträge zur einer pflanzengeographischen monographie der Quarnerionsel Cherso. Bot. Arch. 24: 128-177. illus. F. 1929. no.1/2.

Pfeiffer, H.
Bemerkungen über system, floristisches vorkommen und gliederung der wuchsformen bei den Cyperaceengattungen auf grund des werkes: J. Bews, Studies in the ecological evolution of the Angiosperms. Bot. Arch. 24: 263-272. F.1929. no.1/2.

Sperling, H.
Die beurteilung der eigenschaften von bastfasern mit hilfe physikalischer untersuchungsmethoden. Bot. Arch. 24: 217-262. F.1929. no.1/2.

Stepputat, W. & Ziegenspeck, H.
Morphologische untersuchungen über die phylogenie der laubmoose. Bot. Arch. 24: 1-127. F.1929. no.1/2.

Bot. Mag. Tokyo.

Hayata, B.
On the systematic anatomy of the genus Sasa Mk. et Shib. Bot. Mag. Tokyo. 43: 23-45. illus. Ja.1929. no.505.
In Japanese.

Hiratsuka, N.
Thekopsora of Japan. Bot. Mag. Tokyo. 43: 12-22. Ja.1929. no.505.

Kimura, A.
Contributiones ad salicologiam Japonicam III. Bot. Mag. Tokyo. 42: 566-576. illus. D.1928 (Rec'd Ap.1929) no.504.

Nakai, T.
Notes on Janapese ferns. VIII. Polypodiaceae II. Bot. Mag. Tokyo. 43: 1-12. Ja.1929. no.505.

Bot. Mag. Tokyo. (cont.)

Miyoshi, M.
Untersuchungen uber japanische kirsche. III. Bot. Mag. Tokyo. 42: 545-552. D.1928.(Rec'd Ap. 1929) no.504.

Nakai, T.
Violae ad floram Japonicam novae. Bot.Mag. Tokyo. 42: 556-566. D.1928 (Rec'd Ap.1929) no.504.

Nakajima, Y.
Untersuchungen uber die keimung der samen einiger wasserpflanzen I. Bot. Mag. Tokyo. 42: 576-591. D.1928 (Rec'd Ap.1929) no.504.
In Japanese.

Sakisaka, M.
On the number of chloroplasts in the guard cells of seed plants. Bot. Mag. Tokyo. 43: 46-48. Ja.1929. no.505.
In Japanese.

Suguira, T.
Cytological studies on Tropaeolum II. Tropaeolum peregrinum. Bot. Mag. Tokyo. 42: 553-556. D.1928 (Rec'd Ap.1929) no.504.

Bot. Not. (Lund, Sweden)

Hakansson, A.
Bemerkungen uber die somatischen chromosomen von Bunias orientalis L. Bot. Not. 1929: 52-54. illus. 1929. no.1.

Holmberg, O. R.
Carices nonnullae hybridae e sectionibus canescentibus tenuifloris, elongatis. Bot. Not. 1929: 10-28. illus. 1929. no.1.

Holmberg, O. R.
Om hybridiseringen hos carices canescentes och närstaende grupper. Bot. Not. 1929: 1-9. 1929. no.1.

Bot. Not. (cont.)

Jensen, C. & Medelius, S.
Till kännedomen om Olands mossflora. Bot. Not. 1929: 29-51. illus. 1929. no.1.

Sjöstedt, L. G.
Grouping of embryologically known genera within Rhodymeniales. Bot. Not. 1929: 55-62. 1929. no.1.
Translation in Swedish by C. Bliding: p.63-74. illus.

Bot. Tidsskr. (København)

Iversen, J.
Studien über die pH-verhaltnisse danischer gewasser und ihren einfluss auf die hydrophytenvegetation. Bot. Tidsskr. 40: 277-333. illus. 1929. no.4.

Jørgensen, C. A.
Vandstands- og nedbørsmaalinger paa maglemose. Bot. Tidsskr. 40: 245-269. illus. 1929. no.4.
Maglemose i grib skov, ved Henning E. Petersen, XI.

Bull. Amer. Peony Soc.

Brown, N.A.
How the peony grower can fight the root-knot nematode. Bull. Amer. Peony Soc. 21: 9-11. Mr. 1929. no.37.

Jackson, R. T.
History of Walter Faxon. Bull. Amer. Peony Soc. 21(37): 16-17. col.pl. Mr.1929.

Bull. Gard.Club Amer. (Sewickley, Pa.)

Butler, S.N.
Notable trees and old arboretums in and around Philadelphia. Bull. Gard. Club Amer. IV,2: 17-24. Mr.1929.

Bull. Amer. Iris Soc.

Chandler, C. & Stout, A.B.
Report on the breeding work with irises at the New York Botanical Garden. Bull. Amer. Iris Soc. 31: 11-19. illus. Ap.1929.

Bull. Amer. Iris Soc. (cont.)

Kirkpatrick, K.C. & Stout, A.B.
Report on the 1928 iris breeding scholarship at the New York Botanical Garden. Bull. Amer. Iris Soc. 31: 20-28. Ap.1929.

Bull. Jard. Bot. Buitenzorg.

Smith, J.J.
Additions to the orchid-flora of Selebes. Bull. Jard. Bot. Buitenzorg. III, sér. 10: 1-24. D.1928 (Rec'd Ap.1929) no.1/2.

Smith, J.J.
Orchidaceae novae malayenses. XIII. Bull. Jard. Bot. Buitenzorg. III sér. 10: 25-84. D.1928. (Rec'd Ap.1929) no.1/2.

Smith, J.J.
Orchidaceae seranenses. Bull. Jard. Bot. Buitenzorg. III ser. 10: 85-172. D.1928 (Rec'd Ap.1929) no.1/2.

Steenis, C.G.G.J. van.
The Bignoniaceae of the Netherlands Indies. Bull. Jard. Bot. Buitenzorg. III sér. 10: 173-290. illus. D.1928(Rec'd Ap.1929) no.1/2.

Bull. Torr. Club.

Gleason, H.A.
Studies on the flora of northern South America. XII. Bull. Torr.Club. 56: 97-112. F.1929. no.2.
Cyphosteleae, a new tribe of Melastomataceae (Allomaieta, Cyphostyla, new genera); Hypericum, subsection Eubrathys, in northwestern South America; the genus Maripa; a rare Utricularia from British Guiana.

Hollick, A.
New species of fossil plants from the tertiary shales near De Beque, Colorado. Bull. Torr. Club. 56: 93-96. pl.ii. F.1929. no.2.
Pontederites thecoides, Odostemon reynoldsii, Staphylea viridifluminis, n. sp.

Trelease, S.F. & Trelease, H.M.
Susceptibility of wheat to mildew as influenced by carbohydrate supply. Bull. Torr. Club. 56: 65-92. F.1929. no.2.

Byochû-gai Zasshi (Journ. Plant Prot. Japan)
(Transl. of titles furnished by S.Katsura)
Higuchi, M. & Ikata, S.
Kaki no Ensei-sei Rakuyo-byo Byogenkin ni tsukite [Mycosphaerella nawae, the fungus causing the spot disease of the persimmon] Byochû-gai Zasshi (Journ. Plant Prot. Japan.) 16: 14-16. Ja.1929. no.1.
Japanese.

Ine no Daikinkakubyokin no Hatsubyo-kinni kwansuru Chosa [Studies concerning the attacking season of Sclerotium in the rice plant] Byochû-gai Zasshi (Journ. Plant Prot. Japan). 16: 64-65. Ja. 1929. no.1.
Japanese.

Kuwahara, K.
Inegomayokobyôkin no Etsunen Dai Ichiji Hatsubyo no Genin to sono Yubô ni kwansuru Kenkyu [Studies regarding the hibernation of the causal fungus of leaf-withering disease of the rice plant, the cause of the disease and its prevention] Byochû-gai Zasshi (Journ. Plant Prot. Japan). 16: 25-58. Ja.1929.
Japanese.

Naekirui no Kontô, Ganshu-byo no Yobô narabini Naeki no Shodoku Yusôni kwansuru Shiken Seiseki [Prevention of the crown gall of nursery trees and the result of a test with regard to the transportation of disinfected trees] Byochû-gai Zasshi (Journ. Plant Prot. Japan). 16: 67-73. Ja.1929.
Japanese.

Nishikado, G.
Kibi no 2 Shin Byogai, Yokoby oyobi Hanten-byo ni tsukite [The symptoms of leaf-withering disease and the spot disease, discovered recently on millets] Byochû-gai Zasshi (Journ. Plant Prot. Japan) 16: 1-10. illus. Ja.1929. no.1.
Japanese.
Helminthosporium panici-miliacei cause of first named disease, H.yamadai n.sp. of the second.

China Journ. (Shanghai)
Li, J.
The formation of four-stranded chromosomes in the amphinucleus of Funkia sieboldiana. China Journ. 10: 142-144. 1 pl. Mr.1929. no.3.

Circ. Dept. Agr. Uganda.(Kampala)
Hansford, C.G. & McLeod, W.G.
Sugar cane in Uganda. Circ. Dept. Agr. Uganda. no.19. 21 p. [1928?] (Rec'd Ap.1929)
Diseases: p.16-20.

Compt. Rend. Acad. Sci. Paris.
Camargo, T.de., Bolliger, R. & Correa de Mello, P.
Sur l'influence de la concentration en ions hydrogene du milieu de culture sur le développement du caféier (Coffea arabica L.) Compt. Rend. Acad. Sci. Paris. 188: 878-880. Mr.18, 1929. no.12.

Russell, W. & Hedin, L.
Nouvelles légumineuses césalpinées africaines à appareil sécréteur. Compt. Rend. Acad. Sci. Paris. 188: 880-881. Mr.18, 1929. no.12.
Pterygopodium oxyphyllum, Gossweierodendron balsamiferum.

Coton & Cult. Coton. (Paris)
Vuillet, J.
Conditions de développement de la culture cotonnière dans l'Ouest africaine et particulièrement au soudan francais. Coton. & Cult. Coton. 3: 211-217. pl.xi. D.1928 (Rec'd Ap.1929) no.3.

Costa, F.L.Ah.
La culture du cotonnier au Bresil. Cotton & Cult. Coton. 3: 218-224. pl.xii. D.1928 (Rec'd Ap.1929) no.3.

Guilliermond, A.
Les champignons de la stigmatomycose des graines de cotonnier. Cotton & Cult. Coton. 3: 225-234. D.1928 (Rec'd Ap.1929) no.3.

Dansk. Bot. Ark. (København)
Hagerup, O.
Morphological and cytological studies of Bicornes. Dansk Bot. Ark. v.6, no.1. 26 p. illus. 1928.(Rec'd Ap.1929)

Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS)
Kostychev, S.P. & Berg, V.A.
Sur les formes des combinaisons de calcium dans les tissus des végétaux. Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) 1929, A: 1-6. no.1.

Erdesz. Kisérl. (Hungary) (Sopron)
Foldváry, M.
A Balaton környékének természeit emlékei. (Die naturdenkmale der umgebung des Balaton). Erdész. Kisérl. (Hungary) 30: 319-352. illus. 1928 (Rec'd Ap.1929) no.4.
Hungarian with German summary: p.407-409.

Stocker, O.
Jegyzetek a magyar pusztai növények levegönyilásainak nyáron való mozgásairól (Notizen über den spaltoffnungszustand ungarischer steppenpflanzen im hochsommer). Erdész. Kisérl. (Hungary) 30: 370-372. 1928 (Rec'd Ap.1929) no.4.
Hungarian with German summary: p.411.

Varga, L.
Vizsgálotok az erdei mácsonya (Dipsacus silvester Huds.) vizgújtóinek biocönosisáról. (Recherches limnologiques sur la biocoenose des réservoirs de la cardère (Dipsacus silvester Huds.) Erdész. Kisérl. (Hungary) 30: 353-369. illus. 1928 (Rec'd Ap.1929) no.4.
Hungarian with German summary: p.410.

Ernähr. Pflanze. (Berlin)
Dettweiler, D.
Die bekampfung des unkrautes. Ernähr. Pflanze. 25: 129-133. illus. Mr.15, 1929. no.5.

Explor. & Field-work. Smithson. Inst.
Hitchcock, A.S.
Collecting grasses in Newfoundland and Labrador. Explor. & Field-work Smithson. Inst. 1928: 123-128. illus. 1929. no.3011.

Maxon, W. R.
Studying ferns in European herbaria. Explor. & Field-work. Smithson. Inst. 1928: 109-114. illus. 1929. no.3011.

Standley, P.C.
Botanical exploration in Honduras. Explor. & Field-work Smithson. Inst. 1928: 115-122. illus. 1929. no.3011.

Faserforsch. (Leipzig)
Boerger, A.
Selbstvertraglicher La Plata-flachs. Beobachtungen zur frage der leinmüdigkeit. Faserforsch. 7: 177-189. illus. 1929. no.3.

V.11, no.8, p.13.

Florida Grow. (Tampa)

Hiatt, C. R.

Watermelon diseases and their control. Florida Grow. 37: 24-25. Ap. 1929. no.4.

Flor. Exch. (N.Y.)

Crocker, W.

A delicate method of detecting illuminating gas in a greenhouse. Flor. Exch. 70: 15, 54. illus. Mr.30, 1929. no.13.

White, R. P.

What nurserymen should know about rhododendron wilt. Flor. Exch. 70: 37, 50. illus. Mr.30, 1929. no.13.

Caused by a species of Pythium often followed by Pestalozzia macrotricha.

Flor. Rev. (Chicago)

Weiss, F.

Research revives hope for asters. Flor. Rev. 63: 27-30. illus. Mr.28,1929. no.1635.

Gard. Bull. Straits Settlem. (Singapore)

Burkhill, I. H.

Anisophyllea gaudichaudiana, Baill. is A.grandis Benth. Gard. Bull. Straits Settlem. 4: 426. Ja.1929. no.11/12.

Christensen, C.

On some ferns from the Malay Peninsula. Gard. Bull. Straits Settlem. 4: 375-407. Ja.1929. no. 11/12.

Furtado, C.X.

Further additions to the flora of the Malay Peninsula. Gard. Bull. Straits Settlem. 4: 415-416. Ja.1929. no.11/12.

Furtado, C.X.

Ocimum, Linn. in the Malay Peninsula. Gard. Bull. Straits Settlem. 4: 416-419. Ja.1929. no.11/12.

Furtado, C.X.

Palaquium stellatum, King & Gamble. Gard. Bull. Straits Settlem. 4: 419-421. Ja.1929. no.11/12.

Gard. Bull. Straits Settlem. (cont.)

Furtado, C. X.
Species of Neesia in the Malay Peninsula. Gard. Bull. Straits Settlem. 4: 421-425. Ja.1929. no.11/12.

Henderson, M. R.
Additions to the flora of the Malay Peninsula. Gard. Bull. Straits Settlem. 4: 411-414. illus. Ja.1929. no.11/12.

Holttum, R. E.
New species of ferns from the Malay Peninsula. Gard. Bull. Straits Settlem. 4: 408-410. illus. Ja.1929. no.11/12.
Hymenophyllum johorense, Leptochilus simplicifolius, Vittaria malayensis, n.sp.

Gard. Chron. (London)

Darnell, A. W.
The genus Primula. (cont.) Gard. Chron. III, 85: 230. Mr.23,1929; no.2204.

Elliott, C.
Chile and the Andes. VIII. Gard. Chron. III. 85: 224. illus. Mr.23,1929. no.2204.

Eryngiums. Gard Chron. III, 85; 222. Mr.23, 1929. no.2204.
Signed M.W.

Friend, H.
Plant history in nomenclature. The story of the citron. Gard. Chron. III, 85: 225-226. Mr.23,1929. no.2204.

Woodward, R. C. & Dillon Weston, W.A.R.
Treatment of sugar beet seeds to prevent seedling diseases. Gard. Chron. III, 85: 229-230. Mr.23, 1929. no.2204.

Worsley, A.
Garden crinums. Gard. Chron. III, 85: 222-223. illus. Mr.23,1929. no.2204

Gartenfl. (Berlin)

Wehrhahn, H. R.
Zur nomenclature der bastarde. Gartenfl. 78: 73-75. Mr.1929.

Gartn.-Tid. (København.)

Weber, A.

To azaleasygdomme. Azalea-Visnesyge. Gartn-Tid. 45: 173-175. illus. Mr.19, 1929. no.12.

Gentes. Herbarum.

Bailey, L. H.

The case of Diervilla and Weigela. A discussion of bush-honeysuckles and weigelas in the interest of the cultivator. His Gentes Herb. 2: 39-54. illus. F.1929.

Bailey, L. H.

The case of Muehlenbackia. A discussion of the wire-plants and ribbon-bush. His Gentes Herb. 2: 55-58. illus. F.1929.

Homalocladium gen.nov.

Bailey, L. H.

The case of Ophiopogon and Liriope. His Gentes Herb. 2: 1-37. illus. F.1929. no.1.

Mondo (Ophiopogon)

Hadar (Palestine Citrogr.) (Jaffa)

Irrigation and fertilization affect citrus chlorosis. Hadar (Palestine Citrogr.) 2: 10-12. Ja.1929. no.1.

A new disease of Jaffa oranges. Hadar (Palestine Citrogr.) 2: 13. Ja.1929. no.1.

Exanthema (die-back)

Oppenheim, J. D.

On the origin of the "Jaffa orange." Hadar (Palestine Citrogr.) 2: 31-33. illus. F.1929. no.2.

Tolkowsky, S.

A bibliography of citrus literature. Hadar (Palestine Citrogr.) 2: 35-41. F.1929. no.2.

Hedwigia (Dresden)

Reimers, H.

Franz Stephani (1842-1927). Hedwigia. 68: 347-350. port. F.1929.

Hedwigia. (cont.)

Schmidt, O. C.
Die marine vegetation der Azoren. Hedwigia. 68: 327-346. F. 1929. no.6.

Hereditas. (Lund.)

Andersson-Kottö, Irma.
A genetical investigation in Scolopendrium vulgare. Hereditas. 12: 109-178. illus. 1929. no.1/2.

Hakansson, A.
Chromosomenringe in Pisum und ihre mutmassliche genetische bedeutung. Hereditas. 12: 1-10. illus. 1929. no.1/2.

Hammarlund, C.
Dritte mitteilung über einen fall von koppelung und freier kombination bei erbsen. Hereditas. 12: 210-216. 1929. no.1/2.

Nilsson, E.
Eine einfaktorielle rezessivabweichung in bezug auf die farbe der samenschale bei Phaseolus. Hereditas. 12: 41-52. illus. 1929. no.1/2.

Nilsson, E.
Erblichkeitsversuche mit Pisum I. Unterdrückung der dominanz eines faktors durch die wirkung anderer genetischer faktoren. Hereditas. 12: 17-32. illus. 1929. no.1/2.

Ostenfeld, C. H.
Genetic studies in Polemonium. II. Experiments with crosses of P.mexicanum Cerv. and P.pauciflorum Wats. Hereditas. 12: 33-40. 1929. no.1/2.

Skovsted, A.
Cytological investigations of the genus Aesculus L. with some observations on Aesculus carnea Willd., a tetraploid species arisen by hybridization. Hereditas. 12: 64-70. illus. 1929. no.1/2.

Winge, O.
On the nature of the sex chromosomes in Humulus. Hereditas. 12: 53-63. illus. 1929. no.1/2.

Hoppe-Seyl. Zeitschr. Phys. Chem. (Berlin)

Ambros, O. & Harteneck, A.

Ueber natürliche aktivierung von proteasen pflanzlicher milchsäfte. Zwölfte abhandlung uber pflanzenproteasen in der von. R.Willstätter und mitarbeitern begonnenen untersuchungsreihe. Hoppe-Seyl. Zeitschr. Phys. Chem. 181: 24-41. Mr.8, 1929. no.1/3.

Fischer, H. & Hummel, G.

Zur kenntnis der natürlichen porphyrine. XXIII. Ueber bromphyrin I und seine überfuhrung in deutero-prophyrin. Hoppe-Seyl. Zeitschr. Phys. Chem. 181: 107-129. Mr.8,1929. no.1/3.

Heiduschka, A. & Lindner, H.

Ueber den ergosteringehalt der hefe. Hoppe-Seyl. Zeitschr. Phys. Chem. 181: 15-23. Mr.8, 1929. no.1/3.

Indian For. (Dehra Dun)

Hafiz Khan, A.

A preliminary report on the peridermiums of India and the occurrence of Cronartium ribicola Fisch. on Ribes rubrum Linn. Indian For. 54: 431. pl. xxvi-xxxiii. Ag. 1928 (Rec'd Mr.1929) no.8.

Industr. & Engin. Chem. (Easton, Pa.)

Williams, R.C. & Young, H.C.

The toxic property of sulfur. Industr. & Engin. Chem. 21: 359-362. Ap.1929. no.4.

Izv. Biol. Nauchno-Issled. Inst. i Biol. Stan. Permsk. Gosud. Univ. (Bull. Inst. Rech. Biol. & Stat. Biol. Univ. Perm)

Bykov, I.E.

... On the mineral combinations of nitrogen in the sap of plants. Izv. Biol. Nauchno-Issled. Inst. i Biol. Stan. Permsk. Gosud. Univ. (Bull. Inst. Rech. Biol. & Stat. Biol. Univ. Perm) 6: 277-290. 1929. no.6.

Russian with English summary.

Izv. Biol. Nauchno-Issled. Inst. i Biol. Stan. Permsk. Gosud. Univ. (Bull. Inst. Rech. Biol. & Stat. Biol. Univ. Perm.) (cont.)

Tueva, O.F.

... A study of the assimilation of phosphoric acid by barley in a water solution. Izv. Biol. Nauchno-Issled. Inst. i Biol. Stan. Permsk. Gosud. Univ. (Bull. Inst. Rech. Biol. & Stat. Biol. Univ. Perm) 6: 262-276. 1929. no.6.

Russian with English summary.

Jahrb. Wiss. Bot. (Leipzig)

Huber, H.

Ueber den zustand und die rolle der gerbstoffe in der pflanze. Jahrb. Wiss. Bot. 70: 278-327. 1929. no.2.

Porsch, O.

Vogelblumenstudien. II. Jahrb. Wiss. Bot. 70: 181-277. 1992. no.2.

Weisse, A.

Der morphologische aufbau von Corchorus and Corchoropsis. Jahrb. Wiss. Bot. 70: 163-180. illus. 1929. no.2.

Journ. Agr. Res. (Wash., D. C.)

McMurtrey, J.E.

Effect of mosaic disease on yield and quality of tobacco. Journ. Agr. Res. 38: 257-267. illus. Mr.1929 (Apr.) no.5.

McCulloch, L.

A bacterial leaf spot of horse-radish caused by Bacterium campestre var. armoraciae n.var. Journ. Agr. Rest. 38: 269-287. illus. Mr. 1929. (Apr.) no.5.

Journ. Elisha Mitchell Sci. Soc. (Chapel Hill, N.C.)

Couch, J.N.

A monograph of Septobasidium. I- Journ. Elisha Mitchell Sci. Soc. 44: 242-260. pl.10-25. Ap.1929. no.2.

I. Jamaican species.

Peattie, D.C.

Flora of the Tryon region. An annotated list of the plants growing spontaneously in Polk County, North Carolina, and adjacent parts of South Carolina in Greenville, and Spartanburg counties. Part II. Cat-tail family to orchid family (Typhaceae to Orchidaceae), Part III. Willow family to rose family (Salicaceae-Rosaceae). Journ. Elisha Mitchell Sci. Soc. 44:141-229. Ap.1929. no.2.

Journ. Elisha Mitchell Sci. Soc. (cont.)

Wells, B. W.

A new pixie from North Carolina. Journ. Elisha Mitchell Sci. Soc. 44: 238-239. pl.9. Ap.1929. no.2.

Pyxidanthera brevifolia n.sp.

Journ. Indian Inst. Sci. (Madras)

Rama Rao, D.A. & Sreenivasaya, M.

Contributions to the study of spike-disease of sandal (Santalum album, Linn.) IV. Journ. Indian Inst. Sci. 11A: 241-243. diagrm. [1928] no.19.

Sreenivasaya, M. & Gopalaswami Naidu, G.

Contributions to the study of spike disease of sandal (Santalum album, Linn.) V. Transmissions of spike by budding. Journ. Indian Inst. Sci. 11A: 244-247. pl.1-8. [1928] no.19.

Journ. N.Y. Bot. Gard.

Dodge, B.O.

Observations on a shot-hole disease and insect pests of the Japanese cherries. Journ. N.Y. Bot. Gard. 30: 81-85. illus. Ap.1929. no.352.

Cause of shot-hole disease not determined.

Horne, M.T.

Franklin Sumner Earle. Journ. N.Y.Bot. Gard. 30: 86-88. Ap.1929. no.352.

Kosmos. (Stuttgart)

Gothan, W.

Bernstein als erhalter vorzeitlicher Lebensformen. Kosmos. 26: 113-117. illus. (1 col.pl., p.128) Ap.1929. no.4.

Lipinsky, A.

Eine geheimnisvolle pflanze des altertums. Kosmos. 26: 125-131. illus. (1 col.p.127) Ap. 1929. no.4.

Silphium.

Ladies Home Journ.

Pring, G.H.

Water lilies. Ladies Home Journ. 46(3): 22-23, 154-155. col.illus. Mr.1929.

Malayan Tin & Rubber Journ. (Ipak, Perak, Fed.Malay St.)
Ashplant, H.
Latex tube bore. Malayan Tin & Rubber Journ. 18: 134-138. F.14, 1929. no.3.

Missouri Bot. Gard. Bull. (St.Louis)
Early spring flowers of Missouri pasturelands. Missouri Bot. Gard. Bull. 17: 41-51. illus. Mr. 1929. no.3.

Notable St. Louis gardens. IV. The garden of John Herbst. Missouri Bot. Gard. Bull. 17: 39-41. pl.x-xi. Mr.1929. no.3.

Mitt. Biol. Reichanst. Forst. u. Landw. Berlin.
Werth, E.
Krankheiten und beschädigungen der kultur-pflanzen im Jahre 1927. Mitt. Biol. Reichanst. Land- u. Forstw. Berlin. 37. 212 p. N.1928 (Rec'd Ap.1929)

Nat. Hort. Mag. (Wash., D.C.)
Correvon, H.
The lilies. Nat. Hort. Mag. 8: 65-70. Ap. 1929. no.2.
From "Les plantes des montagnes et des rochers," Geneva, 1914; translated by Bernard H. Lane.

Harding, Alice (Howard)
Types of Peonia albiflora. Nat. Hort. Mag. 8: 71-72. illus. Ap.1929. no.2.

Mulford, F.L.
Dr. Walter Van Fleet. Nat. Hort. Mag. 8: 52-60. Ap.1929. no.2.

Words. Nat. Hort. Mag. 8: 76-77. illus. Ap. 1929. no.2.
Leaf terminology.

Nature (London)
Seward, A.C.
Greenland: as it is and as it was. Nature. 123: 455-462. illus. Mr.23,1929. no.3099.

Nature Mag. (Wash., D. C.)
Cresby, Mrs. S.V.R.
New England's wild flowers. Nature Mag. 13: 308-310. illus. My.1929. no.5.
Protection of wild flowers.

V.11, no.8, p.21.

New Zeal. Journ. Agr. (Wellington)

Adamson, N. C.

The fireblight menace. Severe experience in a Hawke's Bay orchard. New Zeal. Journ. Agr. 38: 108-111. illus. F.20, 1929. no.2.

Atkinson, E.

Weeds and their identification. Three common docks (Rumex spp.) New Zeal. Journ. Agr. 38: 122-127. illus. F.20, 1929. no.2.

Parfum. Mod. (Lyon, France)

Rolet, A.

Les citronnelles. Parfum. Mod. 22: 107-123. illus. F.1929. no.2.

Parfums France. (Grasse)

Chiris (Établissements Antoine Chiris)

Le vétyver. Parfums France. 7: 37-42. F.1929. no.72.

Vetiveria zizanioides.

Perfum. & Essent. Oil Rec. (London)

Gardner, C.A.

A taxonomic study of the genus Santalum, with special reference to the sandalwoods of Australia. Perfum. & Essent. Oil Rec. 20: 85-88. illus. Mr.1929. no.2.

Reprinted from Bull.44, For.Dept. West. Austr.

Decides that it is more reasonable to accept Santalum in the wider sense of Candolle and Mueller and divide it into the sections Eusantalum, Eucarya and Mida.

Philipp. Agr. (Los Baños)

Calma, V.C., Paderna, L.G. & Palo, M.A.

A study of certain chemical treatments in relation to seed-borne diseases of Calauan yellow flint maize. Philipp. Agr. 17: 499-506. F.1929. no.9.

Mercado, T.

Sugar cane breeding in the College of Agriculture. V. Isolation of live cane arrows and their use for hybridization. Philipp. Agr. 17: 527-535. illus. F.1929. no.9.

Phytopath. (Lancaster, Pa.)

Adams, J.F.
An actinomycete the cause of soil rot or pox in sweet potatoes. Phytopath. 19: 179-190. pl. iii. Mr.1929. no.3.
Species of Actinomyces the cause of the disease instead of Cytopsora batata or Acrocystis batatas, designated as Actinomyces p.

Chivers, A. H.
A comparative study of Sclerotinia minor Jagger and Sclerotinia intermedia Ramsey in culture. Phytopath. 19: 301-309. illus. Mr.1929. no.3.

Guba, E.F.
Monograph of the genus Pestalotia de Notaris. pt. 1. Phytopath. 19: 191-232. illus., pl.iv. Mr.1929. no.3.
Pestalotia rhododendri (P.versicolor var. rhododendri) P.vaccinii (P.guepini var.vaccinii), n.sp.

McCown, M.
Bordeaux spray in the control of fire blight of apples. Phytopath. 19: 285-293. Mr.1929. no.3.

Nuckols, S.B. & Tompkins, C.M.
An undescribed leaf condition associated with damping-off diseases of sugar-beet seedlings. Phytopath. 19: 317-318. illus. Mr.1929. no.3.

Ogilvie, L. & Guterman, C.E.F.
A mosaic disease of the Easter lily. Phytopath. 19: 311-315. pl.v. Mr.1929. no.3.

Patel, M.K.
Viability of certain plant pathogenes in soils. Phytopath. 19: 295-300. Mr.1929. no.3.

Sideris, C. P.
The effect of the H-ion concentration of the culture solution on the behavior of Fusarium cromyophthoron and Allium cepa and the development of pink-root disease symptoms. Phytopath. 19: 233-268. illus. Mr.1929. no.3.

Snell, W. H.
Some observations on the white pine blister rust in New York. Phytopath. 19: 269-283. illus. Mr.1929. no.3.

Philipp. Journ. Sci. (Manila)

Copeland, E. B.
New or interesting ferns. Philipp. Journ. Sci. 38: 129-154. 5 pl. Ja.1929. no.1.

Sherman, H. E. & Wang, T. C.
Chemical analyses of thirty-seven oriental foods. Philipp. Journ. Sci. 38: 69-78. 7 pl. Ja.1929. no.1.

Sherman, H.E.
Relative content of water-soluble vitamin B in thirty oriental foods. Philipp. Journ. Sci. 38: 9-36. diagrams. Ja.1929. no.1.

Sherman, H.E.
Relative vitamin A content of four oriental foods. Philipp. Journ. Sci. 38: 1-7. diagrams. Ja.1929. no.1.

Sherman, H.E.
Relative water-soluble vitamin C content of nine oriental fruits and vegetables. Philipp. Journ. Sci. 38: 37-46. diagrams. Ja.1929. no.1.

Prakt. Blätt. Pflanzenb. u. Pflanzensch. (Freising)

Kinzel, W.
Ueber den einflusz von licht und frost sowie wechselnder temperaturen auf die keimung der samen. (schluss) Prakt. Blätt. Pflanzenb. u. Pflanzensch. 28: 298-300. Mr.1929. no.12.

Proc. K. Akad. Wetensch. Amsterdam.

Dolk, H.E.
Ueber die wirkung der schwerkraft auf koleoptilen von Avena sativa. Proc. K. Akad. Wetensch. Amsterdam. 32: 40-47. 1929. no.1.

Goedewaagen, M.A.J.
Influence of the nitrate-ion-concentration of nutrient solutions on the growth of summer-wheat. Proc. K. Akad. Wetensch. Amsterdam. 32: 135-150. 1929. no.2.

Went, F.W.
On a substance, causing root formation. Proc. K. Akad. Wetensch. Amsterdam. 32: 35-39. illus. 1929. no.1.
Experiments with Acalypha.

Proc. K. Akad. Wetensch. Amsterdam. (cont.)

Went, F.A.F.C.
Ein neue intermittirender klinostat nach de Bouter. Proc. K. Akad. Wetensch. Amsterdam. 32: 32-34. illus. 1929. no.1.

Wey, H. G. van der.
Ueber die phototropische reaktion von Pilobolus. Proc. K. Akad. Wetensch. Amsterdam. 32: 65-77. 1 pl. 1929. no.1.

Proc. Linn. Soc. N.S.W. (Sydney)

Francis, W. D.
Features of the vegetative anatomy of the Australian white beech (Gmelina leichhardtii) Proc. Linn. Soc. N.S.W. 53: 474-484. illus., pl.xxix-xxxi. 1928 (Rec'd Ap.1929) no.218.

Rupp, H.M.R.
Terrestrial orchids of Barrington Tops, N.S.W. Proc. Linn. Soc. N.S.W. 53: 336-342. illus. 1928 (Rec'd Ap.1929) no.218.
Prasophyllum rogersii, P.hopsonii, n.spec.

Walkom, A. B.
Fossil plants from the Esk district, Queensland. Proc. Linn. Soc. N.S.W. 53: 458-468. illus., pl. xxvi-xxviii. 1928 (Rec'd Ap.1929) no.218.

Proc. Nat. Acad. Sci.

Shull, G.H.
An unexpected association of factors belonging to three linkage groups in Oenothera and its explanation. Proc. Nat. Acad. Sci. 15: 268-274. Mr.1929. no.3.

Proc. Wash. State Hort. Assoc.

Ames, S.
Spraying for walnut blight. Proc. Wash. State Hort. Assoc. 24: 202. D.1928 (Rec'd Ap.1929)

Diehl, H.C., Ezell, B.Z., and Ryall, A.L.
Relation of other factors in spraying and cleaning practices to efficiency of removal. Proc. Wash. State Hort. Assoc. 24: 100-111. D. 1928 (Rec'd Ap.1929)

V.11, no.8, p.25.

Proc. Wash. State Hort. Assoc. (cont.)

Fisher, D.F.
Apple powdery mildew. Proc. Wash. State Hort. Assoc. 24: 20-26. D.1928 (Rec'd Ap.1929)

Fisher, D.F. & Reeves, E.L.
Perennial canker. Proc. Wash. State Hort. Assoc. 24: 55-61. illus. D.1928 (Rec'd Ap. 1929)

Magness, J. R.
Observations on color development in apples. Proc. Wash. State Hort. Assoc. 24: 128-130. D.1928.

Magness, J. R.
Relation of leaf area to size and quality. Proc. Wash. State Hort. Assoc. 24: 138-141. D.1928 (Rec'd Ap.1929)

Overley, F.L., Neller, J.R., Spuler, A., & Luce, W.A.
Relation of brands of lead arsenate, alone and in combination with lime spreaders, to residue removal. Proc. Wash. State Hort. Assoc. 24: 93-99. D. 1928 (Rec'd Ap. 1929)

Reeves, E.L. & Fisher, D.F.
The relation of cleaning treatments to fruit injuries. Proc. Wash. State Hort. Assoc. 24: 113-118. D.1928 (Rec'd Ap.1929)

Protoplasma (Leipzig)

Gaidukov, N.
Das protoplasma als dynamischer begriff. Protoplasma. 6: 162-196. F.1929. no.1.
Sammelreferat.

Ingold, C.T.
The hydrion concentration of plant tissues. X. Protoplasma. 6:51-69. F.1929. no.1.
X. Buffers of the potato tuber.

Weber, F.
Fadenziehen des endoplasmas bei Spirogyra Protoplasma. 6: 159-161. F.1929. no.1.

Publ. Fac. Sci. Univ. Masaryk. (Brno)

Podpěra, J.
Quod momentum significet Carex pediformis in stepposis silvaticis Europae mediae. Publ. Fac. Sci. Univ. Masaryk. 101. 22 p. illus.(map) 1928 (Rec'd 1929)

Sirjaev, G.
Generis Trigonella L. revisio critica I. Publ. Fac. Sci. Univ. Masaryk. 102. 57 p. illus. (incl.maps), pl. iii. 1928 (Rec'd 1929)

Rev. Bot. Appl. (Paris)

Belime, E.
La situation actuelle de la culture cotonnière en A.O.F. Rev. Bot. Appl. 9: 3-15. Ja. 1929. no.89.

Demaison, A.
Notes sur le palmier Babassu et son mode de multiplication. Rev.Bot. Appl. 9: 30-34. illus. Ja.1929. no.89.

Dufrenoy, J.
La canne à sucre en Floride. Rev. Bot. Appl. 9: 34-38. illus. Ja. 1929. no.89.

Hédin, L.
Sur quelques essences exploitees au Cameroun. Rev.Bot. Appl. 9: 39-51. Ja.1929. no. 89.

Tisserant, R.P.Ch.
Les caféiers sauvages de l'Oubangui francais. Rev. Bot. Appl. 9: 27-30. Ja. 1929. no.89.

Rev. Gén. Bot. (Paris)

Chalaud, G.
Le cycle évolutif de Fossombronia pusilla Dum. Rev. Gén. Bot. 41: 129-141. Mr.1929. no.483.

Genovois, L.
Sur la fermentation et sur la respiration chez les végétaux chlorophylliens. Rev. Gén. Bot. 41: 154-184. Mr.1929. no.483.

Rev. Gén. Bot. (cont.)

Malychev, N.

Les conditions de la germination des spores du champignon Dasyscypha wilkomii. Rev.Gén. Bot. 41: 185-190. Mr.1929. no.483.

Michel-Durand, E.

Recherches physiologiques sur les composés tanniques. Rev. Gén. Bot. 41: 142-153. Mr. 1929. no.483.

Rev. Hort. (Paris)

Guillaumin, A.

New cactées, principales espèces. Rev. Hort. 101: 378-379. illus. Mr.16,1929.

Lesourd, F.

Les plus gros arbres de France. Rev. Hort. 101: 375-376. illus. Mr.16,1929.

Micocoulier (Celtis australis); Sorbus domestica.

Rev. Hort. Algérie (Alger)

Les Allium de la flore Algérienne interessants pour l'horticulture. Rev. Hort. Algérie. 33: 21-23. illus. 1929. no.2.

Signed D.L.T.

Rev. Hort. Tunisie (Tunis)

Hobecourt, P.

Les causes de l'immunité et de la réceptivité des végétaux aux maladies parasitaires. Rev. Hort. Tunisie. 27: 42-45. Mr.15, 1929. no.248.

Rhodora. (Boston)

Ashe, W. W.

A new oak from Florida. Rhodora. 31: 79. Ap.1929. no.364.

Quercus inopina, n.sp.

Fernald, M.L.

A note on Poa labradorica. Rhodora. 31: 78. Ap.1929. no.364.

Fernald, M.L.

The representatives of Eleocharis palustris in North America. Rhodora. 31: 57-77. pl.clxxxi-clxxxiv. Ap. 1929. no.364.

Eleocharis perlonga, E.xyridiformis, n.sp., E. uniglumis halophila, n.var.

Rhodora. (cont.)

Svenson, H.K.
Habenaria dilatata on Cape Cod. Rhodora. 31: 80. Ap.1929. no.364.

Wheeler, L. A.
Aristida basiramea in Maine. Rhodora. 31: 78-79. Ap.1929. no.364.

Science. (Lancaster, Pa.)

Abbott, E.V. & Wolcott, G.N.
Mosaic of sugar cane in Peru. Science. 69: 381. Ap.5, 1929. no.1788.

Babcock, E. B. & Hollingshead, L.
Crepis reuteriana and its chromosomes. Science. 69: 356. Mr.29, 1929. no.1787.

Hansen, H.N.
Thrips as carriers of fig-decaying organisms. Science. 69: 356-357. Mr.29,1929. no.1787.

Latimer, L.P.
The use of solid carbon dioxide in making freezing-point determinations with plant juices. Science. 69: 360. Mr.29, 1929. no.1787.

Svenson, H.K.
On the biological effects of x-rays. Science. 69: 361. Mr.29,1929. no.1787.
Experiments with Saprolegnia and Drosophila.

Scient. Agr. (Ottawa)

Drayton, F.L.
Bulb growing in Holland and its relation to disease control. Scient. Agr. 9: 494-509. illus. Ap.1929. no.8.

Patterson, C. F.
A method of handling pollen of the apple and of the plum for long distance shipment. Scient. Agr. 9: 491-493. Ap. 1929. no.8.

Sigfusson, S. J.
Smoothness of awn in wheat. Scient. Agr. 9: 533-534. illus. Ap.1929. no. 8.

Soil Science. (Baltimore)

Starkey, R.L.
Some influences of the development of higher plants upon the microörganisms in the soil I Soil Sci. 27: 319-334. Ap.1929. no.4.
I. Historical and introductory.

Thomas, W.
Studies of certain phases of the interrelationship between soil and plant I. Soil Sci. 27: 249-270. Ap. 1929. no.4.
I. Availability of mineral plant nutrients in relation to the degree of dispersion.

South African Gard. (Johannesburg)

Bolus, L.
Dracocephali or dragon-heads. South African Gard. 19: 88. col. pl. Mr.1929. no.3.
Dracocephali section of Gladiolus.

Bolus, L.
Mesembrianthemum and allied genera. Muiria, N.E. Br. and Glottiphyllum, Haw. South African Gard. 19: 91. illus. Mr.1929. no.3.

Drayton, F.L.
Common bulb diseases. South African Gard. 19: 80-81. illus. Mr.1929. no.3.

K. Svenska Vetenskapsakad. Arsbok.

Holmgren, I.
Nils Gustaf Lagerheim. K. Svenska Vetenskapsakad. Arsbok. 1928: 341-348. port. 1928 (Rec'd Ap.1929)
O.18, 1860-Ja.2, 1926.

Tea Quart. Tea Res. Inst. Ceylon.

Gadd, C.H.
Pruning in relation to wood rot of tea. Tea Quart. Tea Res. Inst. Ceylon. 2: 10-16. F.1929. no.1.

Gadd, C.H.
The treatment of the Poria root disease. Tea Quart. Tea Res. Inst. Ceylon. 2: 16-21. pl. iii-iv. F.1929. no.1.

Trans. Nat. Hist. Soc. Formosa.

Sasaki, S.

Miscellaneous contributions to the flora of Formosa. I-III. Trans. Nat. Hist. Soc. Formosa. 18: 164-179, 209-218, 329-338. no.96,97,98. Je., Ag., O. 1928 (Rec'd Ap.1929)

Sawada, K.

[Studies in regard to the scientific name of the red rust of onions] Trans. Nat. Hist. Soc. Formosa. 18: 148-163. Je.1928 (Rec'd Ap.1929) no.96.

Puccinia allii (P.porri & P.alliivora synonyms)

Japanese.

Trans. Sapporo Nat. Hist. Soc.

Hiura, M.

Studies on some downy mildews of agricultural plants. I- Trans. Sapporo Nat. Hist. Soc. 10: 146-156. 1929. no.2.

Japanese with English resumé: p.154-155.

I. On Sclerospora graminicola (Sacc.) Schroet., the causal fungus of the downy mildew of Italian millet. (The first preliminary note)

Homma, Y.

A statistical study on the biological forms of Erysiphe graminis DC. Trans. Sapporo Nat. Hist. Soc. 10: 157-162. illus. 1929. no.2.

Japanese with English resumé: p.161.

Kuribayashi, K.

The ascigerous stage of Helminthosporium sativum. Trans. Sapporo Nat. Hist. Soc. 10: 138-145. pl. ii. 1929. no.2.

Japanese with English résumé: p.143-144.

Ophiobolus sativus.

Trop.Agriculture. West Indies. (Trinidad)

Gadd, C.H.

Tea root diseases. Trop. Agriculture West Indies. 6: 107-109. Ap.1929. no.4.

Harland, S.C.

Early maturity in cotton. Trop. Agriculture West Indies. 6: 114-116. Ap.1929. no.4.

Trudy Agro-Khim. Lab. Gosudarstv. Politekh. Muz. Moskva.

Lutokhin, S.

... Untersuchungen über den qualitativen und quantitativen gehalt zu zuckerarten in verschiedenen wassermelonensorten. Trudy Agro-Khim. Lab. Gosudarstv. Politekh. Muz. Moskva. 1: 13-27. 1928 (Rec'd 1929) no.1.

Russian with German summary.

Trudy Leningr. Obshch. Estestv. (Trav. Soc. Nat. Leningr. Sect. Bot.)

Sinova, E.S.

... Algae of the White Sea. Trudy Leningr. Obshch. Estestv. (Trav. Soc. Nat. Leningr.) 58(3, Sect.Bot.): 3-50. 1928 (Rec'd 1929)

Russian.

Strelkova, O.

... Zur kenntnis der arten der Juncus effusus L. and Juncus conglomeratus L. Trudy Leningr. Obshch. Estestv. (Trav.Soc. Nat. Leningr. Compt.Rend.) 58: 87-198. illus. (incl.maps) 1928 (Rec'd 1929)

Russian with German summary.

Vinter, N.A.

... Ueber die vegetation der Sjaberschen seen des bezirkes Luga im gouvernement Leningrad. Trudy Leningr. Obshch. Estestv. (Trav. Soc. Nat. Leningr.) 58(3, Sect.Bot.): 51-95. illus. (maps) 1928 (Rec'd 1929)

Russian with German summary.

Trudy Prikl. Bot. Gen. i Selek. (Bull. Appl. Bot. Gen. & Plant-breed.) (Leningrad)

Andreev, V.N.

... On a southern race of a pubescent birch. Trudy Prikl. Bot. Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant breed.) 21: 185-202. illus. 1929. no.3.

Russian with English summary.

Betula pubescens glabra.

Gurskii, A. V.

... The root systems of Fraxinus excelsior L., F.pennsylvanica Marsch., and Acer negundo L. on the black soils of Kuban. Trudy Prikl. Bot. Gen. & Selek.(Bull. Apple. Bot., Gen. & Plant-breed.) 21: 146-183. illus., pl. 1929. no.3.

Russian with English summary.

Trudy Prikl. Bot. Gen. i Selek. (Bull. Appl.Bot. Gen & Plant-Breed.) (cont.)

Il'inski, A.
... Problems and methods of the study of the geographical distribution of the trees in U.S.S.R. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 21: 3-46. illus. (maps), fold.map. 1929. no.3.
Russian with English summary.

Kern, E.E.
... On the area of the cork oak. Trudy Prikl. Bot., Gen. i Selek.(Bull. Appl.Bot., Gen. & Plant-breed.) 21: 47-54. illus. (maps) 1929.no.3.
Russian with English summary.

Lebedev, A.
... Some fibre plants of the Black Sea coast. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 21(2): 117-137. illus. 1928. (Rec'd Ap.1929)
Russian with English summary.

Maleev, V.P.
... Aromatic grasses of the East. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 21(2): 101-116. 1928 (Rec'd Ap.1929)
Russian with English summary.

Moniushko, V.A.
...The olive and the olive growing regions of U.S.S.R. (A critical literary essay) Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 21(2): 245-344. illus. 1928 (Rec'd Ap. 1929)
Russian with English summary.

Roshchin, I.O.
... Dying out pines of Transcaucasia. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-Breed.) 21: 203-236. illus. 1929. no.3.
Russian with English summary.
Pinus eldarica, P.pithyusa.

Trudy Prikl. Bot. Gen.i Selek.(Bull.Appl.Bot. Gen. & Plant-breed.) (cont.)

Strogii, A.A.
...The Amur velvet tree (Phellodendron amurense Rupr. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 21: 55-144. 1929. no.3.
Russian with English summary.

Voronov, G.
... The Black-sea coast of the Caucasus and its subtropical cultures. Trudy Prikl. Bot. Gen. i Selek. (Bull. Appl.Bot. Gen. & Plant-Breed.) 21(2): 3-52. 1928 (Rec'd Ap.1929)
Russian with English summary.

U.S. Dept. Agr. Farm. Bull.

Charles, V.K.
Mushroom culture for amateurs. U.S. Dept. Agr. Farm. Bull. 1587. 16 p. illus. Mr.1929.

Univ. Calif. Publ. Bot. (Berkeley,Cal.)

Belling, J.
Nodes and internodes of trivalents of Hyacinthus. Univ. Calif. Publ. Bot. 14: 379-388. illus. Mr. 16, 1929. no.18.

Copeland, E. B.
New pteridophytes of Sumatra. Univ. Calif. Publ. Bot. 14: 371-378. pl.lv-lxi. Mr.19, 1929. no.17.

Copeland, E.B.
Pteridophyta Novae Caledoniae. Univ. Calif. Publ. Bot. 14: 353-369. Mr.19, 1929. no.16.

Věstník Ceskosl. Akad. Zemèd. (Praha)

Vukolov, V.A.
Srovnávací anatomie čepelů listových československých lipnic (Poa). (The comparative anatomy of the leaf-blades of Czechoslovak species of Poa). Věstnik Českosl. Akad. Zeměd. 5: 213-216. Mr.1929. no.3.
Czechslovakian with English summary: p.215-216.

Beneš, V.
Průběh křížení ječmene dvouřadého x rozvétvený ječmen šestiřadý Mackův (Ueber die bastardierungsvorgänge bei normalen zweizeiligen sommergerstenlinie x abnormale verzweigte sechszeilige gerstenform Mack) Věstnik Českosl. Akad. Zeměd. 5: 209-212. illus. Mr. 1929. no.3.
Czechoslovakian with German summary: p.213.

V.11, no.8, p.34.

Zeitschr. Bot. (Jena)

Bünning, E.

Untersuchungen über die seismoreaktionen von staubgefässen und narben. Zeitschr. Bot. 21: 465-536. illus. 1929. no.9.

Exper. Stat. Publ.

Crowley, D.J.

Cranberry growing in Washington. Wash. Agr. Exp. Stat. Bull. 230. 47 p. illus. F.1929.

Diseases: p.29-33, 37-41.

Thomas, H.E. & Mills, W.D.

Three rust diseases of the apple. Cornell Agr. Exp. Stat. Mem. 123. 21 p. 2 pl. Mr.1929.

Gymnosporangium juniperi-virginianae, G.globosum G.germinale.

State Publications.

Jacob, H.E.

Powdery mildew of the grape and its control in California. Calif. Agr. Extens. Serv. Circ. 31. 18 p. illus. Mr.1929.

New Books.

Asami, Y.

The crab-apples and nectarines of Japan. Tokyo, 1927.

Bartholomew, E.

Handbook of the North American Uredinales.... including citations and synonomy. Stockton, Kansas, 1928.

Bateson, W.

Scientific papers of William Bateson. Ed. by R.C. Punnett. 2 v. Cambridge, University press,1928.

Benua, K.A.

... [Fungus diseases of grasshoppers. Revision of literatue and report] Leningrad, 1928.

Russian.

Bonnier, G.

Flore complète illustrée en couleurs de France... Suisse et Belgique. t. 10 par Robert Douin. fasc. 98. pl.583-588. Paris. [1929]

New Books (cont.)

Elladi, E.B
... Flax. Leningrad, 1928.
Russian.

Fischer, E.
Beitrag zur kenntnis der umwelteinflüsse auf die kartoffel unter besonderer berücksichtigung den sorteneigentümlichkeiten. Berlin-Steglitz, 1928.

Gérard, R.C.J.
Eléments de botanique horticole. Paris, J.-B. Bailliere et fils, 1928.

Giovine, C.de.
La palma da olio. Catania, P.Battiato, 1928.

Griggs, R.F.
A key to the families of flowering plants growing wild or cultivated, out of doors in the northeastern United States. Washington, D.C.,1928.

Hood, G.W.
Horticulture, elementary and practical 3d ed. thoroughly rev. Phila., Lea & Febiger, 1929.
Cover title: Farm horticulture.
Contains notes on diseases.

Keller, G. & Schelchter, R.
Monographie und iconographie der orchideen Europas und des Mittelmeergebietes 1. bd. Monographie der gattungen und arten (mit blütenanalyse) von R. Schlechter. lfg. 9/10. Dahlem bei Berlin 1928 (Repertorium specierum novarum regni vegetablilis. Sonderbeiheft A)

Konrad, P. & Maublanc, A.
Icones selectae fungorum. fasc.4. Ja.1929.

Lecomte, H.
Notulae systematicae. v.4,no.4/5. Paris,1928.
Lecomte, H.Ebénacées nouvelles de l'Indo-chine. - Hickel, R.& Camus, A. Castanopsis nouveaux d'Indochine - Gagnepain, F. Quelques Boehmeria nouveaux d'Asia orientale; Quelqies Villebrunea et Pellionia nouveaux d'Indo-Chine - Kraenzlin, F. Quelques orchidées nouvelles de la Nouvelle-Caledonie-Lecomte, H. Quelques especes a la flore de l'Indochine.

New Books (cont.)

Meurs, A.
Wortelrot, veroorzaakt door schimmels uit de geslachten Pythium Pringsheim en Aphanomyces de Bary. Baarn, 1928.

English summary.

Roberts, E.A. & Rehmann, E.
American plants for American gardens. N.Y., Macmillan, 1929.

Reprints from Journals not yet rec'd or not available.

Fletcher, H.T.
Notes on the vegetation of the Green Valley region. West Texas Hist. Sci.Soc. Publ. 2: 6-50. 1928.

Translations filed in Library of Bur. of Plant Industry.

Lakon, G.
Ueber die empfänglichkeit von Phaseolus vulgaris L., und Ph.multiflorus Willd. für den bohnenrost und andere krankheiten (On the susceptibility of Phaseolus vulgaris L. and P.multiflorus Willd. to bean rust and other diseases). Zeitschr. Pflanzenkr. 26: 83-97. My.1916.

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.

Vol. 11, no.9. April 15-27,1929.

Abh. Senckenb. Naturf. Ges.

Brockmann, Chr.
Die diatomean im marinen quartär Hollands. Abh. Senckenb. Naturf. Ges. 41: 117-187. illus., pl. i-iv. 0.29, 1928 (Rec'd Ap.1929) no. 3.

Acta Biol. Exp. (Varsovie)

Malinowski, E.
Hipoteza powinowactwa chromosomów (The hypothesis of chromosome affinity). Acta Biol. Exp. v.1, no.7. 12 p. illus. 1928.
Polish with English summary.

Acta Horti Gothoburgensis.

Blom, C.
Om floran i Lurs skärgård. Acta Horti Gothoburgensis. 4: 285-300. illus. 1928.

Borgvall, T.
En ny hybrid, Ammophila arenaria (L.) Link Calamagrostis arundinacea (L.) Roth. Acta Horti Gothoburgensis. 4: 307-309. 1928.

Borgvall, T.
Växtgeografiska bidrag från Göteborgsområdet samt angränsande delar av Västergötland och Halland. Acta Horti Gothoburgensis. 4: 173-178. 1928.

Fries, H.
Bidrag till kännedomen om floran i Göteborgs och Bohus län.4. Acta Horti Gothoburgensis. 4: 145-153. 1928.

Kjellberg, G.
Kärlväxternas ståndorter och utbredning i Västergötland. Acta Horti Gothoburgensis. 4: 179-263. 1928.

Acta Horti Gothoburgensis. (cont.)

Lid, J. & Zachau, A.R.
Utbredningen av Viscaria alpina (L.) G.Don, Alchemilla alpina L. och Rhodiola rosea L. i Skandinavien. Acta Horti Gothoburgensis. 4: 69-144. illus. 1928.
Resumé de la distribution de la Viscaria alpina (L.) G.Don. l'Alchemilla alpina L. et la Rhodiola rosea L. en Scandinavie. p. 135-136.

Skottsberg, C.
C.V.B. Marquand's "Additions to the flora of the Falkland Islands". Acta Horti Gothoburgensis. 4: 303-306. 1928.

Skottsberg, C.
Bestämmandet av arternas täckningsgrad i ängssamhällen. (Ueber die bestimmung des deckungsgrades der arten in wiesengesellschaften). Acta Horti Gothoburgensis. 4: 47-62. 1928.
German summary: p.60-62.

Skottsberg, C.
Notes on some recent collections made in the Islands of Juan Fernandez. Acta Horti Gothoburgensis. 4: 155-171. 1928.

Skottsberg, C.
On some arborescent species of Lobelia from tropical Asia. Acta Horti Gothoburgensis. 4: 1-26. illus. 1928.
L. philippinensis n.sp.

Sterner, R.
Några sociologiska anteckningar rörande bohuslänsk lundvegetation. Acta Horti Gothoburgensis. 4: 265-283. 1928.

Svenson, S.
Halländska växtlokaler. Acta Horti Gothoburgensis. 4: 27-45. 1928.

Wedholm, K.
Ny svensk fyndort för Dryopteris oreopteris (Ehrh.) Maxon. Acta Horti Gothoburgensis. 4: 63-67. illus. 1928.

Agr. Journ. Brit. Guiana. (Georgetown)

Martyn, E.B.

, The Sclerotium disease of coffee, and its occurrence in this Colony. Agr. Journ. Brit. Guiana. 2: 7-10. pl. i-ii. Mr.1929. no.1.

Ann. Rep. Tea Res. Inst. Ceylon.

Gadd, C.H.

Report of the mycologist, 1928. Ann. Rep. Tea Res. Inst. Ceylon 1928 (Its Bull.3): 8-17. 1928.

Arch. Bot. Sistem., Fitogeogr. e. Gen. (Forli)

Béguinot, A. & Vaccari, A.

Le piante vascolari sinora note per l'isola Tavolara e considerazioni fitogeografiche sulle stesse, (concl.) Arch. Bot. Sistem. Fitogeogr. e Gen. 5: 46-78. Mr. 1929.

Béguinot, A.

Rilievo floristico e fitogeografico di alcune piccole isole della Sardegna nord-orientale. Arch. Bot. Sistem. Fitogeogr. e Gen. 5: 79-93. Mr.1929. no.1.

Bolzon, P.

Sui limita fra le piante delle Alpi e degli Appennini in Liguria. Arch. Bot. Fitogeogr. e Gen. 5: 1-12. Mr. 1929. no.1.

Lanzoni, F.

Ancora su un caso di fasciazione totale di Digitalis purpurea L. Arch. Bot. Sistem. Fitogeogr. e Gen. 5: 18-19. Mr. 1929. no.1.

Lanzoni, F.

Le vicende battesimali di due piante esotiche settecentesche. Arch. Bot. Sistem. Fitogeogr. e. Gen. 5: 13-17. Mr. 1929. no.1.

Negodi, G.

Studio monografico sulla Silene angustifolia (Mill.) Guss. con particolare riguardo alle forme italiane. (cont.) Arch. Bot. Sistem. Fitogeogr. e Gen. 5: 24-25. Mr. 1929. no.1.

Savelli, R.

Note nicotianografiche. VI. Ulterior osservazione sopra un carattere nuovo di Nicotiana rustica L. Arch. Bot. Sistem. Fitogeogr. e Gen. 5: 20-23. Mr. 1929. no.1.

Arch. Protistenk, (Jena)

Beck-Mannagetta, G.
Neue grün- und blaualgen aus Kärnten und den Sudeten. Arch. Protistenk. 66: 1-10. illus. 1929. no.1.

Ercegović, A.
Sur quelques nouveaux types des cyanophycées lithophytes de la côte adriatique. Arch. Protistnek. 66: 164-174. illus. 1929. no.1.
Hormathonema, Tryponema, Kyrtuthrix gen.nov.

Skvortzow, B.W.
Einige neue und wenig bekannte Chlamydomonodaceae aus Manchuria. Arch. Protistenk. 66: 160-163. illus. 1929. no.1.

Ber. Deut Bot. Ges. (Berlin)

Bertsch, K.
Die ältesten getreidereste Deutschlands. Ber. Deut. Bot. Ges. 47: 121-125. illus. Mr.21, 1929. no.2.
Einkorn (Triticum monococcum); emmer (T.dicoccum).

Docters van Leeuwen, W.
Kurze mitteilung über ameisen-epiphyten aus Java. Ber. Deut. Bot. Ges. 47: 90-99. illus. Mr.21, 1929. no.2.

Hesmer, H.
Pollenanalysen eines glazialen torfes bei Marsberg i. Westf. Ber. Deut. Bot. Ges. 47: 110-118. Mr.21, 1929. no.2.

Kreuter, E.
Chromosomenstudien bei den galegeen. Ber. Deut. Bot. Ges. 47: 99-101. Mr.21, 1929. no.2.

Hustedt, F.
Untersuchungen über den bau der diatomeen, VII. Weitere untersuchungen über die kanalraphe der Nitzschioideae. VIII. Untersuchungen über die kanalraphe der gattung Surirella. Ber. Deut. Bot. Ges. 47: 101-110. pl.x. Mr.21, 1929. no.2.

Ber. Deut. Bot. Ges. (cont.)

Rohweder, H.
Ueber kernuntersuchungen an Dianthus-arten. Ber. Deut. Bot. Ges. 47: 81-86. Mr.21, 1929. no.2.

Stocker, O.
Eine feldmethode zur bestimmung der momentaten transpirations- und evaporationsgrosse I-II. Ber. Deut. Bot. Ges. 47: 126-136. illus. Mr.21, 1929. no.2.

Uphof, J.C.Th.
Enation an laubblättern von Psidium guava und von Hibiscus rosa-sinensis. Ber. Deut. Bot. Ges. 47: 87-89. illus. Mr.21, 1929. no.2.

Wehmer, C.
Notiz über cumarin-pflanzen. Ber. Deut. Bot. Ges. 47: 119-120. Mr.21, 1929. no.2.

Beretn. Landbr. Dep. [Norway]

Jørstad, I.
Beretning om plantesykdommer i land- og hagebruget. V. Hagebrukets nyttevekster. Beretn. Landbr. Dep. Norway. 1927 Tillegg C.(Beretn. Skadinsek. og Plantesykd. 1926 og 1927) 68 p. 1928. (Rec'd Ap.1929)

Biochem. Zeitschr. (Berlin)

Butkewitsch, W. S. & Fedoroff, M.W.
Ueber bildung von fumarsäure in den zuckerkulturen von Mucor stolonifer (Rhizopus nigricans) und sein verhalten zur brenztraubensaure. Biochem. Zeitschr. 206: 440-456. illus. Mr.9, 1929. no.4/6.

Verkade, P.E. & Coops, J.jr.
Das vorkommen von unpaaren fettsäuren in natürlichen fetten, ölen und wachsen. Biochem. Zeitschr. 206: 468-481. Mr.9, 1929.
I. Das öl von Datura stramonium.

Bol. Lab. Path. Veg. Bahia.

Bondar, G.
Doença das folhas da seringueira. Bol. Lab. Path. Veg. Bahia. 1928: 135-139. illus. 1929. no.6.
Guignardia hevea, Sphaerella hevea.

Bol. Lab. Path. Veg. Bahia. (cont.)
Bondar, G.
Mangas manchadas. Bol. Lab. Path. Veg. Bahia. 1928: 133-135. illus. 1929. no.6.
Gloeosporium mangiferae.

Bol. Mus. Nac. Rio de Janeiro.
Sampaio, A.J.de.
Bibliographia botanica (relativa á flora brasileira, com inclusão dos trabalhos indispensaveis aos estudos botanicos no Brasil). Bol. Mus. Nac. Rio de Janeiro. 4: 97-119. S.1928. no.3. (Rec'd Ap.1929.

Sampaio, A.J. de.
Silvia duckei A.Samp.n.comb. Bol. Mus. Nac. Rio de Janeiro. 4: 39-41. S.1928 (Rec'd Ap.1929) no.3.

Bot. Mag. Tokyo.
Hagiwara, T.
Genetic studies of flower-colours in Japanese morning glories. III. Inhibiting factors of the factor concerning the shade of flower-colours. Bot. Mag. Tokyo. 43: 106-117. F.1929. no.506.
In Japanese.

Hayata, B. & Satake, Y.
Contributions to the knowledge of the systematic anatomy of some Japanese plants. Bot. Mag. Tokyo. 43: 73-106. illus. F.1929. no.506.
In Japanese.

Okamoto, Y.
A new species of Ilex in Yamato province. Bot. Mag. Tokyo. 43: 71-73. illus. F.1929. no.506.
Ilex ellipsoidea n.sp.

Sakisaka, M. & Suehiro, Y.
Notes on the development of the "star-hair" of Elaeagnus. Bot. Mag. Tokyo. 43: 117-121. illus. F.1929.
In Japanese.

Skvortzow, B.W.
On some marine diatoms from Siberian shore of Japanese sea. Bot. Mag. Tokyo. 43: 57-59. illus. F.1929. no.506.

Bot. Mag. Tokyo. (cont.)
Tamiya, H. & Morita, S.
Bibliographie von Aspergillus. 1729-bis 1928. Bot. Mag. Tokyo. 43: 60-71. F.1929. no.506.

Brooklyn Bot. Gard. Rec.
Graves, A.H.
Forest pathology. Brooklyn Bot. Gard. Rec. 18(2, Its Ann.Rep.1928): 53-59. Mr.1929.

Reed, G.M.
Plant pathology. Brooklyn Bot. Gard. Rec. 18(2, Its Ann.Rep.1928): 52-57. Mr. 1929.

Bryologist. (Pittsburg)
Bartram, E.B.
Mosses from western Texas collected by Mr.C.R. Orcutt. Bryologist. 32: 7-11. pl. i. Ja. 1929. no.1.
Grimmia americana, n.sp.

Dixon, H.N.
Notes on the mosses of the Oxford University expedition to west Greenland, 1928. Bryologist. 32: 1-3. Ja.1929. no.1.
Bryum oxoniense, n.sp.

Moxley, E.A.
The moss-covered trail. Bryologist. 32: 12-13. Ja.1929. no.1.

Bull. Econ. Indochine. (Hanoi)
Crevost, Ch. & Petelot, A.
Catalogue des produits de l'Indochine. Plantes médicinàles. Bull. Econ. Indochine. n.s. 32: 119-170. plates. 1929. no.200.

Menaut, B.
Matière médicale cambodgienne. I- [illegible] Bull. Econ. Indochine. n.s. 32: 197-276. 1929. no.200.

Bull. Econ. Madagascar. (Tananarive)
Francois, E.
De l'emploi des arbres et arbustes dans les pays tropicaux. Bull. Econ. Madagascar. 25: 145-168. 1928.

Bull. Soc. Dendrol. France. (Paris)
Sennen, Frère & Teodoro.
Les formes du Myrtus communis L. sur le territoire de Tarragone (Espagne). Bull. Soc. Dendrol. France. 69: 1-19. illus. F.15, 1929.

Calif. Citrogr. (Los Angeles)
Jensen, C.A. & Foote, F.J.
Some studies on fertilization of lemon groves, Limoneira Ranch, Santa Paula, Cal. I- Calif. Citrogr. 14: 266, 298-299. My.1929. no.7.

Stanford, H.R.
Citrus diseases - psorosis. Calif. Citrogr. 14: 268, 296. port. My.1929. no.7.

Calif. Cult. (Los Angeles)
Harrigan, B.A.
Texas root rot. Calif. Cult. 62: 437, 453. illus. Ap.13, 1929. no.15.

Miller, P.A.
Cantaloupe mildew control in Imperial Valley. Calif. Cult. 62: 437, 453. Ap. 13, 1929. no.15.

Centralbl. Bakt. Abt.II (Jena)
Kirchhoff, H.
Beiträge zur biologie und physiologie des mutterkornpilzes. Centralbl. Bakt. Abt.II, 77: 310-369. illus. Mr.25,1929. no.15/24.

Compt. Rend. Acad. Sci. Paris.
Chabrolin, C.
La pourriture de l'inflorescence du palmier-dattier (Khamedj). Compt. Rend. Acad. Sci. Paris. 188: 933-935. Mr.25, 1929. no.13.
Caused by Mauginiella scaettae.

Compt. Rend. Assoc. Franç. Avanc. Sci.
Bugnon, P.
Racine et differenciation vasculaire. Compt. Rend. Assoc. Franç. Avanc. Sci. 51: 231-233. 1927. (Rec'd Ap.1929)

Compt. Rend. Assoc. Franç. Avanc. Sci. (cont.)

Burollet, P.A.
Recherches phytosociologiques dans Sahel Tunisien. Compt. Rend.Assoc. Franç. Avanc. Sci. 51: 220-222. 1927 (Rec'd Ap.1929)

Chevalier, A.
Sur les plantes qui passent d'un versant a l'autre du Sahara et existent à la fois en Afriqu du Nord et au Soudan. Compt. Rend. Assoc. Franç. Avanc. Sci. 51: 534-536. 1927 (Rec'd Ap.1929)

Foley, H.
Note sur la répartition géographique de Moricandia foleyi Battandier (cruciferes). Compt. Rend. Assoc. Franç. Avanc.Sci. 51: 217-218. 1927 (Rec'd Ap.1929.)

Fremy, P.abbé.
Les Rivularia de la Normandie. Compt. Rend. Assoc. Franç. Avanc. Sci. 51: 228-231. 1927. (Rec'd Ap.1929)

Guillaume, A.
Contribution a l'étude et la migration des alcaloides chez les plantes. Compt. Rend. Assoc. Franç. Sci. 51: 238-240. 1927 (Rec'd Ap.1929)

Lenoir, M.
Notes sur les phénoménes caryocinétiques pendant les divisions II (homéotypique), III et sur la fécondation dans le sac embryonnaire du Fritillaria imperialis L. Compt. Rend. Assoc. Franç. Avanc. Sci. 51: 241-242. 1927 (Rec'd Ap.1929)

Maire, R.
Contribution a l'étude de la flore des montagnes de Numidie. Compt. Rend.Assoc. Franç. Avanc. Sci. 51: 209-214. 1927 (Rec'd Ap.1929)

Monoyer, A.
Etude de l'accroissement diamétral chez le Livistona chinensis Mart. Compt. Rend. Assoc. Franç. Avanc. Sci. 51: 233-235. illus. 1927. (Rec'd Ap.1929)

Compt. Rend. Assoc. Franç. Avanc. Sci. (cont.)

Murbeck, S.
Aperçu des Verbascum du Nord-ouest de l'Afrique. Compt. Rend. Assoc. Franç. Avanc. Sci. 51: 237. 1927 (Rec'd Apr. 1929)

Nicolas, G.
Nouvelles observations sur des cultures pures d'hépatiques et essais d'acclimatation de quelques espèces dans la région Toulousaine. Compt. Rend. Assoc. Franç. Avanc. Sci. 51: 223-228. 1927 (Rec'd Ap. 1929)

Trabut, L.
L'indigénat du Saccharum biflorum Forsk. S. aegyptiacum Willd. à Bone. Compt. Rend. Assoc. Franç. Avanc. Sci. 51: 214-216. 1927 (Rec'd Ap. 1929)

Trabut, L.
Sesleria cirtensis sp. nov. Compt. Rend. Assoc. Franç. Avanc. Sci. 51: 216. 1927 (Rec'd Ap. 1929)

Compt. Rend. Soc. Biol. Paris.

Hocquette, M.
Les réactions parasitaires des cellules d'Alnus glutinosa infectées par une hyphoídee. Compt. Rend. Soc. Biol. Paris. 100: 881-882. 1929. no. 11.

Contr. Labor. Bot. Univ. Montreal.

Marie-Victorin, Frère.
Le dynamisme dans la flore du Québec. Contr. Labor. Bot. Univ. Montreal. 13. 84 p. illus. 1929.

Deut. Landw. Presse. (Berlin)

Sinning, A.
Versuche mit trockenbeizen gegen die streifenkrankheit der gerste. Deut. Landw. Presse. 56: 183. Mr. 30, 1929. no. 13.

Ernahr. Pflanze. (Berlin)

Hasler, A.
Unkrautbekämpfungsversuche mit hederich-kainit. Ernähr. Pflanze. 25: 157-158. illus. Ap. 1, 1929. no. 7.

Facts about Sugar. (N.Y.)

Priode, C.N.

Target blotch of sugar cane. Facts about Sugar. 24:376. Ap.20, 1929. no.16.

Helminthosporium sp.

For. Prod. Res. Bull. Gt. Brit.

Pearson, R.S.

Dry-rot in wood. For. Prod. Res. Bull. Gt. Brit. no.1. 24 p. 3 pl. 1928.

Gard. Chron. (London)

Alpine campanulas. Gard. Chron. III, 85: 263-264. Ap.6,1929. no.2206.

Signed M.W.

Darnell, A.W.

The genus Primula. (cont.) Gard. Chron. III, 85: 248, 266, 281-282. Mr.30, Ap.6,13, 1929. no.2205-7.

Elliott, C.

Chile and the Andes IX. Leucocoryne or glory of the sun. Gard. Chron. III,85: 262-263. illus. Ap.6,1929. no.2206.

Friend, H.

Problems of plant life I. Gard. Chron. III, 85: 279-280. Ap.13,1929. no.2207.

I. Do plants possess nerves?

Grove, A.

Asiatic primulas. Gard.Chron. III, 85: 264-266. illus. Ap.6, 1929. no.2206.

Hale, C.W.N.

An old garden primrose. Gard. Chron. III, 85: 266-267. illus. Ap.6, 1929. no.2206.

Polyanthus.

Moore, P.

Rhododendron sp. (Forrest 21,488). Gard. Chron. III, 85: 277. Ap.13, 1929. no.2207.

Gard. Chron. (cont.)

Sampson, K.

Some observations on Epichloe typhina (Fr.) Tul. Gard. Chron. III, 85: 280-281. Ap.13, 1929. no.2207.

On red fescue (Festuca rubra)

Abstract of paper before British mycological society, Mar.16,1929.

Turrill, W.B.

Fritillaria karadaghensis. Gard. Chron. III, 85: 242. illus. Mr. 30, 1929. no.2205.

Fritillaria karadaghensis n.sp.

Illustration, fig.107, appeared in the previous issue, p.221, with A.Edward's note with the same title.

Yashiroda, K.

Kurume azaleas. Gard. Chron. III, 85: 244-245. illus. Mr.30, 1929. no.2205.

Ward, F.K.

Mr. F. Kingdon Ward's tenth expedition in Asia. XVII-XVIII. Gard. Chron. III,85: 242-243, 278-279. illus. Mr.30,Ap.13,1929. no.2205, 2207.

Gard. Illus. (London)

Calvert, A.F.

The evolution of the daffodil over half a century III. (concl.). Gard. Illus. 51: 207-208, 220-221. illus. Mr.23, 30,1929. no.2611-12.

Lawrence, W.

My grandmother. (concl.) Gard. Illus. 51: 203-204, 224-225. Mr.23, 30,1929. no.2611-12.

Account of novelties at Ealing Park, garden of Mrs. Lawrence to whom v.68 of Curtis' botanical magazine was dedicated.

Stephenson, T.A.

Little-known orchids of Europe. Gard. Illus. 51: 218-219. illus. Mr.30,1929. no.2612.

Hilgardia (Berkeley,Cal.)

Severin, H.H.P.

Additional host plants of curly top. Hilgardia. 3: 595-629. illus.,4 pl. Mr.1929. no.20.

Hilgardia (cont.)

Severin, H.H.P.

Yellows disease of celery, lettuce, and other plants, transmitted by Cicadula sexnotata (Fall.) Hilgardia. 3: 543-571. illus., pl.i-vi. F. 1929. no.18.

Yellows of celery (not that caused by Fusarium) and lettuce yellows identical with aster yellows.

Horticulture (Boston).

Melle, P.J.van.

Sedums which make good ground covers. Horticulture. 7: 189. illus. Ap.15, 1929. no.8.

Wilson, E.H.

Leaves from a plant hunter's notebook. no.5. Azalea schlippenbachii. Horticulture. 7: 193-194. illus. Ap.15, 1929. no.8.

House & Gard. (Greenwich, Conn.)

Stout, A.B.

The charms of the modern daylilies. House & Gard. 55: 118-119, 202, 204, 206. illus. My. 1929. no.5.

Wilder, L.B.

May calls forth the Trilliums. House & Gard. 55: 115, 194, 198,208. illus. My.1929. no.5.

Wilson, E.H.

Lilacs wild and otherwise. House & Gard. 55: 116-117, 180, 182, 186, 212. illus. My.1929.

Industr. & Engin. Chem. (Easton,Pa.)

Peterson, C.J. & Hixon, R.M.

Chemical examination of the tissue of the cornstalk. Industr. & Engin. Chem. 1: 65-67. illus. Ap.51, 1929. no.2.

Schmitz, H.

Laboratory methods of testing the toxicity of wood preservatives. Industr. & Engin. Chem. 1: 76-79. illus. Ap.51,1929. no.2.

Izv. Tomsk. Gosudarstv. Univ. (Trans. Tomsk. State Univ.)

Savostin, P.V.

... Nutations-krümmungen, wachstum und atmung der wurzeln im const. magnetfelde) Izv. Tomsk. Gosudarstv. Univ. (Trans. Tomsk. State Univ.) 79: 261-270. 1928 (Rec'd Ap.1929) no.4.

Russian.

Izv. Tomsk. Gosudarstv. Univ. (cont.)
Savostin, P.V.
...Untersuchungen des verhalten des rotierenden pflanzlichen plasma, im constanten magnetfelde) Iav. Tomsk. Gosudarstv. Univ. (Trans. Tomsk. State Univ.) 79:207-222. 1928 (Rec'd Ap.1929) no.4.
Russian.

Jahrb. Weidewirtsch. u. Futterb. (Hannover)
Degens, H.
Der wiesenknöterich Polygonum bistorta L. Eine monographische studie. Jahrb. Weidewirtsch. u. Futterb. 9(Erganzbd.): 1-57. illus. 1929.

Journ. Agr.Res. (Wash.)
Demaree, J.B. & Cole, J.R.
Behavior of Cladosporium effusum (Wint.) Demaree on some varieties of pecan. Journ. Agr. Res. 38: 363-370. Mr.15, 1929 (Rec'd Ap.10) no.6.

Drechsler, C.
The beet water mold and several related root parasites. Journ. Agr. Res. 38: 309-361. illus. Mr.15,1929 (Rec'd Ap.10) no.6.
Aphanomyces camptostylus, A.cladogamus, Plectospira gemmifera, n.sp.

Kearney, T.H.
Development of the cotton boll as affected by removal of the involucre. Journ. Agr. Res. 38: 381-393. illus. Ap.1, 1929. no.7.

McMurtrey, J.E.jr.
The effect of boron deficiency on the growth of tobacco plants in aerated and unaerated solutions. Journ. Agr.Res. 38: 371-380. illus. Ap.1,1929. no.7.

Journ.Amer. Soc. Agron. (Geneva, N.Y.)
Carver, W.A.
The inheritance of certain seed, leaf, and flower characters in Gossypium hirsutum and some of their genetic interrelations. Journ. Amer. Soc. Agron. 21: 467-480. Ap.1929. no.4.

Journ. Amer. Soc. Agron. (cont.)

Janssen, G.

Effect of date of seeding of winter wheat on plant development and its relationship to winter-hardiness. (cont.) Journ. Amer. Soc. Agron. 21: 444-446. illus. Ap.1929. no.4.

Rea, H.E.

Varietal and seasonal variation of "motes" in upland cotton. Journ. Amer. Soc. Agron. 21: 481-486. Ap.1929. no.4.

Journ. Biol. Chem. (Baltimore)

Csonka, F.A. & Jones, D.B.

Studies on glutelins. V. The glutelins of rye (Secale cereale), and of barley (Hordeum vulgare). Journ. Biol. Chem. 82: 17-21. Ap.1929. no.1.

Journ. Dept. Agr. Kyushu Imp. Univ. (Fukuoka, Japan)

Doi, T. & Morikawa, K.

An anatomical study of the leaves of the genus Pinus. Journ. Dept. Agr. Kyushu Imp. Univ. 2: 149-198. illus. Mr.11, 1929. no.6.

Journ. Min. Agr. Gt. Brit. (London)

Petherbridge, F.R., Dillon Weston, W.A.R. & Kent, W.G.

Successful control of apple scab in the Wisbech area. Journ. Min. Agr.Gt. Brit. 36: 45-51. 1 pl. Ap.1929. no.1.

Just. Liebigs Ann. Chem. (Berlin)

Tschitschibabin,A.E., Kirssanow, A.W., Korolew, A.J., & Woroschzowjun, N.N.

Ueber nichtgerbende substanzen des extraktes aus dem wurzelstock des badans (Saxifraga crassifolia). Just. Liebigs Ann. Chem. 469: 93-127. Ap.3, 1929. no.2.

1. Bergenin.

Landw. Jahrb. (Berlin)

Weiske, F.

Beobachtungen über den einfluss der bodenreaktion auf die entwicklung von wiesenpflanzen. Landw. Jahrb. 68: 873-900. illus. 1929. no.6.

Mem. Inst. Oswaldo Cruz.

Kuhlmann, J.G.

Monographia das especies brasileiras dos generos da tribu Oncobeae: Carpotroche, Mayna e Lindackeria (flacourtiaceas) cujas sementes contem um oleo analogo ao obtido das sementes da chaulmoogra. Mem. Inst. Oswaldo Cruz. 21: 389-416. pl.61-73. 1928.

English transl.: p.403-416.

Nachrichtenbl. Deut. Pflanzenschutzd. (Berlin)

Hauptfleisch, K.

Ueber den einfluss von saatbeizmitteln auf das auftreten von Marssonina graminicola an der gerste. Nachrichtenbl. Deut. Pflanzenschutzd. 9: 27-28. Ap.1929. no.4.

Nature (London)

Molisch, H.

Nervous impulse in Mimosa pudica. Nature. 123: 562-563. illus. Ap.13, 1929. no.3102.

Natural hybrids in plants. Nature. 123: 587-588. Ap.13, 1929. no.3102.

Parkin, J.

Dioecism in Ranunculus acris. Nature. 123: 568. Ap.13, 1929. no.3102.

Sansome, F.W.

Pollination of species of Primula. Nature. 123: 530. Ap.6, 1929. no.3101.

Ultra-microscopic viruses infecting animals and plants. Nature. 123: 508-509. Mr.30, 1929. no. 3100.

Held at the Royal Society, Feb.28,& Mr.14, those who took part on the plant side were, Henderson Smith, P.A. Murphy, Kenneth Smith, R.N. Salaman, W.B. Brierley.

Nature Mag. (Wash., D. C.)

Hart, D.W.

The heritage of the Aztecs. The dahlia, Mexico's contribution to the modern garden. Nature Mag. 13: 167-170. illus. Mr.1929. no.3.

Naturforsch. (Berlin)

Spilger,
Interessante veredlungen. Naturforsch. 6: 20-21. pl.iv. Apr.1929. no. 1.

New Flora & Silva. (London)

Cox, E.H.M.
Bark splitting in rhododendrons. New Flora & Silva. 1: 171. Ap.1929. no.3.

Cox, E.H.M.
Notes on dwarf rhododendrons. New Flora & Silva. 1: 158-164. illus. Ap.1929. no.3.

Ingram, C.
The forest vegetation of Tenerife. New Flora & Silva. 1: 155-157. illus. Ap.1929. no.3,

Schneider, C.
Notes on Berberis. New Flora & Silva. 1: 212-216. Ap.1929. no.3.

Obst- u. Genüseb. (Berlin)

Döring, E.
Bekämpfung von Phytophthora infestans an tomaten in geschlossenen kulturräumen durch unterirdische bewässerung. Obst- u. Gemuseb. 75: 49-51. Mr.20, 1929. no.3.

Oesterr. Bot. Zeitschr. (Wien)

Eckhart, W.
Die blütentrichome der campanulaceen und ihre verwertbarkeit als phylogenetisch-systematisches merkmal. Oesterr. Bot. Zeitschr. 78: 129-156. illus. Mr.25,1929. no.2.

Heimerl, A.
Ueber einige bemerkenswerte artemisien. Oesterr. Bot. Zeitschr. 78: 164-167. Mr.25, 1929. no.2.

Janke, A.
Naturliches bakteriensystem und biochemische mikrobenleistungen. Oesterr. Bot. Zeitschr. 78: 97-128. Mr.25, 1929. no.2.

Klein, G. & Soos, G.
Der mikrochemische nachweis der alkaloide in der pflanze. X. Der nachweis von hygrin. Oesterr. Bot. Zeitschr. 78: 157-163. illus. Mr.25,1929. no.2.

Oesterr. Bot.Zeitschr. (cont.)
Pisek, A.
Wuchsstoff und tropismen. Oesterr. Bot. Zeitschr. 78: 168-186. Mr.25,1929. no.2.

Orchid Rev. (Richmond, England)
Cooper, E.
Cirrhopetalum spathulatum (Rolfe). Orchid Rev. 37: 106. Ap.1929. no.430.

A remarkable subterranean orchid. Orchid Rev. 37: 120. Ap. 1929. no.430.
Rhyzanthella gardneri.

Papers Mich. Acad. Sci.
Anderson, E.G. & Ter Louv, A.L.
Description of a mosaic pericarp color in maize. Papers Mich. Acad. Sci. 9: 4-9. pl. i-ii. 1929.

Anderson, E.G.
A second case of silklessness in maize. Papers Mich. Acad. Sci. 9: 1-3. 1929.

Bartlett, H.H.
Fossils of the carboniferous coal pebbles of the glacial drift at Ann Arbor. Papers Mich. Acad. Sci. 9: 11-28. pl. iii-xxv. 1929.
Triletes superbus, T.rotatus, T.mamillarius, n.sp.

Bartlet, H.H.
The genus Triletes, Reinsch. Papers Mich. Acad. Sci. 9: 29-38. 1929.

Baxter, D.V.
Mycorrhiza and Scotch pine in the University of Michigan Forest nursery. Papers Mich. Acad. Sci. 9: 509-516. pl. xcii-xcv. 1929.

Baxter, D.V.
Some porias from the region of the Lake states. II Papers Mich. Acad. Sci. 9: 39-45. pl.xxvi-xxix. 1929.

Benedict, D.M.
A greenhouse study of the conidial stroma of Epichloe typhina. Papers Mich. Acad. Sci. 9: 47-54. illus. 1929.

Papers Mich. Acad. Sci. (cont.)

Boldyreff, E.B.
A study of the digestive secretion of Sarracenia purpurea. Papers Mich. Acad. Sci. 9: 55-64. pl. xxx. 1929.

Elcock, H.A.
The anatomy of the overgrowth on sugar beets caused by Bacterium beticola. Papers Mich. Acad. Sci. 9: 111-115. pl. xxxiii. 1929.

Emerson, S.H.
Multiple-factor inheritance in crosses between Oenothera grandiflora and Oenothera franciscana. Papers Mich. Acad. Sci. 9: 121-138. illus., pl. xxxv-xxxvi. 1929.

Hibbard, R.P. & Street, O.E.
Biochemical studies on seed viability II. Chemical constituents operating in reduction. Papers Mich. Acad. Sci. 9: 139-162. 1929.

Wehmeyer, L.E.
Cultural life-histories of Diaporthe IV. Papers Mich. Acad. Sci. 9: 477-494. pl. lxxxvii-lxxxix. 1929.

Pharm. Zentralh. (Dresden)

Tröger, J.
Ueber die alkaloide der angosturarinde. Pharm. Zentralh. 70: 213-222. Ap.4,1929. no.14.

Philipp. Agr. (Los Banos)

Villa, F.
Effect on young rice plants of adding aluminum salts to complete culture solutions. Philipp. Agr. 17: 607-625. illus. Mr.1929. no.10.

Planta Arch. Wiss. Bot. (Berlin)

Alexandrov, W.G. & Alexandrova, O.G.
Ist die verholzung ein reversibler oder irreversibler vorgang? Planta Arch. Wiss. Bot. 7: 340-346. illus. Mr.23, 1929. no.2/3.

Behre, K.
Physiologische und zytologische untersuchungen über Drosera. Planta Arch. Wiss. Bot. 7: 208-306. illus. Mr.23, 1929. no.2/3.

Planta Arch. Wiss. Bot. (cont.)

Engel, H.
Beiträge zur kenntnis des stickstoffumsatzes grüner pflanzen. Planta Arch. Wiss. Bot. 7: 133-164. Mr.23, 1929. no.2/3.

Gratzy-Wardengg, S.A.E.
Osmotische untersuchungen an farnprothallien. Planta Arch.Wiss. Bot. 7: 307-339. illus. Mr.23, 1929. no.2/3.

Grüntuch, R.
Untersuchungen über den N-stoffwechsel unterirdischer reservestoffbehälter (Unter besonderer berücksichtigung der kartoffelknolle). Planta Arch. Wiss. Bot. 7: 388-421. illus. Mr.23, 1929. no. 2/3.

Heinricher, E.
Allmähliches immunwerden gegen mistelbefall. Planta Arch. Wiss.Bot. 7: 165-173. illus. Mr.23, 1929. no.2/3.

Klein, G.
Zum "angeblichen" nachweis von formaldehyd bei der assimilation von kohlensäure. Planta Arch. Wiss. Bot. 7: 422-423. Mr.1929. no.2/3.

Ruhland, W. & Ullrich, H.
Ueber den einfluss von nitraten und von salpetersäure auf die atmung grüner blätter. Planta, Arch. Wiss. Bot. 7: 424-426. Mr.23,1929. no.2/3.

Stocker, O.
Das wasserdefizit von gefässpflanzen in verschiedenen klimazonen. Planta Arch. Wiss. Bot. 7: 382-387. Mr.1929. no.2/3.

Umrath, K.
Ueber die erregungsleitung bei höheren pflanzen. Planta Arch. Wiss. Bot. 7: 174-207. illus. Mr.23,1929. no.2/3.

Wartenberg, H.
Ueber primäre und sekundäre kälteresistenz bei bohnensippen. Eine vorstudie zur genetik der kälteempfindlichkeit. Planta Arch. Wiss. Bot. 7: 347-381. illus. Mr.23, 1929. no.2/3.
Phaseolus vulgaris.

Proc. Amer. Soc. Hort. Sci.

Biekart, H.M. & Connors, C.H.
Notes on nutrient treatments, chemical composition and growth responses of carnations with particular reference to "sleepiness". Proc. Amer. Soc. Hort. Sci. 25:376-377. 1928(Rec'd Ap.1929)

Boswell, V.R.
Temperature influence upon chemical composition and quality of peas (Pisum sativum, L.) Proc. Amer. Soc. Hort. Sci. 25: 21-26. 1928(Rec'd Ap.1929)

Cooper, J.R.
The behavior of pollen tubes in self and cross pollination. Proc. Amer. Soc. Hort. Sci. 25: 138-140. 1928(Rec'd Ap.1929)

Currence, T.M.
The transpiration rate of the Pinto bean. Proc. Amer. Soc. Hort. Sci. 25: 41-44. 1928(Rec'd Ap.1929)

Duruz, W.P.
Further notes regarding peach rust control. Proc. Amer. Soc. Hort. Sci. 25: 333-337. 1928(Rec'd Ap.1929)

Dutton, W.C.
A method of modifying the lime-sulphur-lead arsenate spray to reduce foliage injury in the apple. Proc. Amer. Soc. Hort. Sci. 25: 332-337. 1928(Rec'd Ap.1929)

Emsweller, S.L.
Pollination and fertilization of celery. Preliminary report. Proc. Amer. Soc. Hort. Sci. 25: 29-30. 1928(Rec'd Ap.1929)

Furr, J.R.
The relation between vessel diameter and flow of water in the xylem of the apple. Proc. Amer. Soc. Hort. Sci. 25: 311-320. 1928(Rec'd Ap.1929)

Hansen, N.E.
Taming the American wild crabapple. Proc. Amer. Soc. Hort. Sci. 25: 123-124. 1928(Rec'd Ap.1929)

Heinicke, A.J.
Seasonal variation in the nutrient condition of apple trees as indicated by catalase activity. Proc. Amer. Soc. Hort. Sci. 25: 234-239. 1928(Rec'd Ap.1929)

Proc. Amer. Soc. Hort. Sci. (cont.)

Jones, H.A.
Joseph Tooker Rosa, jr., 1895-1928. Proc. Amer. Soc. Hort. Sci. 25: 397. port. 1928. (Rec'd Ap.1929)

Loomis, E.W. & Evans, M.M.
Experiments in breaking the rest period of corms and bulbs. Proc. Amer. Soc. Hort. Sci. 25:73-79. 1928(Rec'd Ap.1929)

McClintock, J.A.
Importance of leafspot in the selection of pear varieties used as stocks for budding. Proc. Amer. Soc. Hort. Sci. 25: 177. 1928.(Rec'd Ap.1929)

MacGillivray, J.H.
Studies of tomato quality. III. Color of different regions of a tomato fruit and a method for color determination. Proc. Amer. Soc. Hort. Sci. 25: 17-20. 1928(Rec'd Ap.1929)

Magness, J.R.
Relation of leaf area to size and quality in apples. Proc. Amer. Soc. Hort. Sci. 25: 285-288. 1928(Rec'd Ap.1929)

Maney, T.J. & Welter, W.A.
Chromosome characteristics of Malus ioensis and one of its large fruited forms. Proc. Amer. Soc. Hort. Sci. 25: 115-116. illus. 1928(Rec'd Ap.1929)

Pearson, O.H.
A suggested classification of the genus Brassica Proc. Amer. Soc. Hort. Sci. 25: 105-110. 1928(Rec'd Ap.1929)

Plagge, H.H.
Effect of storage temperature on soggy breakdown of golden delicious apples. Proc. Amer. Soc. Hort. Sci. 25: 298-300. 1928.(Rec'd Ap.1929)

Robbins, W.W. & Jones, H.A.
Further studies on sex in asparagus. Proc. Amer. Soc. Hort. Sci. 25: 13-16. 1928.(Rec'd Ap.1929)

Overley, F.L. & Spuler, A.
Effect of dormant and delayed dormant application of oil sprays on apple trees. Proc. Amer. Soc. Hort. Sci. 25: 325-328. 1928(Rec'd Ap.1929)

Proc. Amer. Soc. Hort. Sci. (cont.)

Traub, H.P. & Fraps, G.S.
Ripening and composition of the Texas magnolia fig. Preliminary report. Proc. Amer. Soc. Hort. Sci. 25: 306-310. illus. 1928(Rec'd Ap.1929)

Wentworth, S.W.
Relative effectiveness of apple pollen from vigorous and weak trees as determined by the spur-unit method. Proc. Amer. Soc. Hort. Sci. 25: 149-153. 1928(Rec'd Ap.1929)

Whitehouse, W.E.
Nutritional studies with the strawberry. Proc. Amer. Soc. Hort. Sci. 25:201-206. 1928(Rec'd Ap.1929)

Wiggin, W.W.
Studies on the reaction of greenhouse soils. Proc. Amer. Soc. Hort. Sci. 25: 45-48. 1928(Rec'd Ap.1929)

Wilcox, A.N.
Determining moisture in living plant tissues. Proc. Amer. Soc. Hort. Sci. 25: 342-345. 1928(Rec'd Ap.1929)

Work, P.
Ethylene ripening of tomatoes in relation to stage of maturity. Proc. Amer. Soc. Hort. Sci. 25: 61-65. 1928(Rec'd Ap.1929)

Zimmerley, H.H.
The inter-relations between growth of spinach and culture medium reactions. Proc. Amer. Soc. Hort. Sci. 25: 48-52. 1928(Rec'd Ap.1929)

Proc. N.Y. State Hort. Soc. (Geneva, N.Y.)

MacDaniels, L.H.
Apple varieties that are satisfactory cross pollinizers. Proc. N.Y. State Hort. Soc. 74: 45-52. 1929.

Mills, W.D.
Cherry leaf spot. Proc. N.Y. State Hort. Soc. 74: 22-25. 1929.

V.11, no.9, p.24.

Proc. N. Y.State Hort. Soc. (cont.)

Shear, E.V.

Experiments with apple scab. Proc. N.Y. State Hort. Soc. 74: 168-173. 1929.

Proc. Pan-Pacific Sci. Congr.

Cambage, R.H.

Notes on the development of some Australian plants. Proc. Pan-Pacific Sci. Congr. 3d Tokyo 1926. 1: 875-888. 1928(Rec'd Ap.1929)

Campbell, D.H.

The Australasian element in the Hawaiian flora. Proc. Pan-Pacific Sci. Congr. 3d. Tokyo. 1926. 1: 938-946. 1928(Rec'd Ap.1929)

Guillaumin, A.

Les régions floristiques du Pacifique d'après leur endémisme et la repartition de quelques plantes phanérogames. Proc. Pan-Pacific Sci. Congr. 3 Tokyo 1926. 1: 920-938. 1928(Rec'd Ap.1929)

Abstract.

Hayata, B.

The relation between the succession and participation theories and their bearings upon the natural system. Proc. Pan-Pacific Sci. Congr. 3d Tokyo. 1926. 2: 1876-1886. 1928(Rec'd Ap.1929)

Hayata, B.

Succession in the vegetation of Mt.Fuji and the formulation of a new theory, the succession theory, in opposition to the natural selection theory. Proc. Pan-Pacific Sci. Congr. 3d Tokyo. 1926. 2: 1867-1868. 1928(Rec'd Ap. 1929)

Abstract.

Hemmi, T.

An outline of experimental studies on the "indefinite" diseases of the rice plant. Proc. Pan-Pacific Sci. Congr. 3d Tokyo 1926. 2: 2108-2111. illus. 1928(Rec'd Ap.1929)

Proc. Pan-Pacific Sci. Congr. (cont.)

Hu, H.H.
A preliminary survey of the forest flora of southeastern China. Proc. Pan-Pacific Sci. Congr. 3d Tokyo. 1926. 2: 1904-1905. 1928(Rec'd Ap.1929)
Abstract.

Ishiyama, S.
Bacterial leaf-blight of the rice-plant. Proc. Pan-Pacific Sci. Congr. 3d Tokyo. 1926. 2: 2112. 1928.(Rec'd Ap.1929)

Jack, H.W.
Genetics in relation to the improvement of important crops and rice in particular. Pure line selection in rice. Proc. Pan-Pacific Sci. Congr. 3d Tokyo. 1926. 1: 1166-1171. 1928(Rec'd Ap.1929)

Kawamura, S.
On the periodical flowering of the bamboo. Proc. Pan-Pacific Sci. Congr. 3d Tokyo. 1926. 2: 1915. 1928(Rec'd Ap.1929)
Abstract.

Komarov, V.L.
On the Arctic limits of some trees of the Russian Far East. Proc. Pan-Pacific Sci. Congr. 3d. Tokyo. 1926. 2: 1912. 1928(Rec'd Ap.1929)
Abstract.

Koriba, K.
Observations on a Japanese species of Taeniophyllum. Proc. Pan-Pacific Sci. Congr. 3d Tokyo. 1926. 2: 1900-1901. 1928(Rec'd Ap.1929)
Abstract.

Koriba, K.
On the vegetation of Sakurajima after the eruption of 1914. Proc. Pan-Pacific Sci. Congr. 3d. Tokyo. 1926. 2: 1898-1899. 1928(Rec'd Ap.1929)
Abstract.

Maekawa, T.
Preliminary report on the influence of cotyledons on the root regeneration of young plants. Proc. Pan-Pacific Sci. Congr. 3d Tokyo. 1926. 2: 1916-1920. 1928(Rec'd Ap.1929)

Proc. Pan-Pacific Sci. Congr. (cont.)

Merrill, E.D.
Some Polynesian botanical problems of fundamental importance. Proc. Pan-Pacific Sci. Congr. 3d Tokyo. 1926. 1: 889-893. 1928(Rec'd Ap.1929)

Mendiola, N. B.
Natural crossing in rice and its relation to rice improvement. Proc. Pan-Pacific Sci. Congr. 3d Tokyo. 1926. 1: 1171-1179. 1928(Rec'd Ap.1929)

Miyabe,K.
On the occurrence of a certain Behring and Kurile species of Laminariaceae in a small isolated region off the southern extremity of Saghalien. Proc. Pan-Pacific Sci. Congr. 3d Tokyo. 1926. 1: 954-958. 1928(Rec'd Ap.1929)

Miyake, K.
On the sexual generation of Japanese Laminariaceae. Proc. Pan-Pacific Sci. Congr. 3d. Tokyo. 1926. 2: 1922-1923. 1928(Rec'd Ap.1929)
Abstract.

Nagai, K.& Tanikawa, T.
On citris pollination. Proc. Pan-Pacific Sci. Congr. 3d Tokyo. 1926. 2: 2023-2029. 1928(Rec'd Ap. 1929)

Nakai, T.
The floras of Tsusima and Quelpaert as related to those of Japan and Korea. Proc. Pan-Pacific Sci. Congr. 3d Tokyo. 1926. 1: 893-911. 1928(Rec'd Ap.1929)

Nakai, T.
The vegetation of Dagelet Island: its formation and floral relationship with Korea and Japan. Proc. Pan-Pacific Sci. Congr. 3d Tokyo. 1926. 1: 911-914. 1928(Rec'd Ap. 1929)

Nakamo, H.
On the remarkable powers of water absorption by the leaves of Polypodium lineare Th. with special reference to the ecology of this plant. Proc. Pan-Pacific Sci. Congr. 3d. Tokyo. 1926. 2: 1901. 1928(Rec'd Ap.1929)
Abstract.

Proc. Pan-Pacific Sci. Congr. (cont.)

Nisikado, Y.
Comparative studies on the Helminthosporium diseases of rice in the Pacific regions. Proc. Pan-Pacific Sci. Congr. 3d. Tokyo. 1926. 2: 2113. 1928(Rec'd Ap.1929)
Abstract.

Okamura, K.
On the distribution of marine algae in Japan. Proc. Pan-Pacific Sci. Congr. 3d Tokyo. 1926. 1: 958-963. 1928(Rec'd Ap. 1929)

Osborn, T.G.B.
On regeneration problems in arid Australia. Proc. Pan-Pacific Sci. Congr. 3d. Tokyo. 1926. 2: 1913-1914. 1928(Rec'd Ap.1929)

Porter, R.H.
The effect of copper carbonate on covered smut Ustilago hordei of hulless barley. Proc. Pan-Pacific Sci. Congr. 3d Tokyo. 1926. 2: 2098-2102. 1928(Rec'd Ap.1929)

Porter, R.H.
Seed disinfectants for the control of kernel smut of foxtail millet. Proc. Pan-Pacific Sci. Congr. 3d Tokyo. 1926. 2: 2103-2107. 1928(Rec'd Ap.1929)

Porter, R.H.
Some aspects of plant pathology in China. Proc. Pan-Pacific Sci. Congr. 3d. Tokyo.1926. 2: 2091-2097. 1928(Rec'd Ap.1929)

Setchell, W.A.
Migration and endemism with reference to Pacific insular floras. Proc. Pan-Pacific Sci. Congr. 3d Tokyo. 1926. 1: 869-875. 1928(Rec'd Ap.1929)

Shen, T. H.
Some suggestions about cotton breeding in China. Proc. Pan-Pacific Sci. Congr. 3d Tokyo. 1926. 1: 1191-1196. 1928(Rec'd Ap. 1929)

V.11, no.9, p.28.

Proc. Pan-Pacific Sci. Congr. (cont.)

Skottsberg, C.
Remarks on the relative independency of Pacific floras. Proc. Pan-Pacific Sci. Congr. 3d. Tokyo 1926. 1: 914-920. 1928(Rec'd Ap.1929)

Swingle, W.T.
"Kindzu" or "Golden bean" orange (Fortunella hindsii) from historic, taxonomic and cytologic standpoints. Proc. Pan-Pacific Sci. Congr. 3d Tokyo. 1926. 2: 2001. 1928(Rec'd Ap.1929)
Abstract.

Swingle, W.T.
Meta-zenia or the influence of the male parent on the tissues of the mother plant outside of the embryo and endosperm, especially as exemplified in the date palm. Proc. Pan-Pacific Sci. Congr. 3d. Tokyo, 1926. 1: 1164-1165. 1928(Rec'd Ap.1929)

Swingle, W. T.
The origin of the flora of eastern Asia, a reservoir of useful plants. Proc. Pan-Pacific Sci. Congr. 3d Tokyo. 1926. 2: 1902-1903. 1928. (Rec'd Ap.1929)

Swingle, W.T.
A study of the phylogenetic relationships of the rutaceous subfamily Citratae, including the citrus fruits and their wild relatives, with experimental studies in the hybridizing and grafting plants of this subfamily. Proc. Pan-Pacific Sci. Congr. 3d. Tokyo. 1926. 2: 2013-2014. 1928(Rec'd Ap.1929)
Abstract.

Takenouchi, M.
On the influence of volcanic activity upon the vegetation of Mt. Tarumai. Proc. Pan-Pacific Sci. Congr. 3d. Tokyo. 1926. 2: 1890-1898. illus. (map) 1928(Rec'd Ap.1929)

Tanaka, T.
Discussion of the pomology of the most important Pacific races of citrus fruits. Proc. Pan-Pacific Sci. Congr. 3d. Tokyo 1926. 2: 2002-2011. 1928(Rec'd Ap.1929)

Proc. Pan-Pacific Sci. Congr. (cont.)

Terao, H.
Occurrence of mutation in the rice plant. Proc. Pan-Pacific Sci. Congr. 3d Tokyo. 1926. 1: 1186-1187. 1928.(Rec'd Ap.1929)

Terao, H.
The present status of rice improvement in Japan. Proc. Pan-Pacific Sci. Congr.3d Tokyo 1926. 1: 1179-1185. 1928.(Rec'd Ap. 1929)

Terazaki, W.
Plant successions in self-regenerating forests in various regions of Japan. Proc. Pan-Pacific Sci. Congr. 3d Tokyo. 1926. 2: 1887-1889. 1928.(Rec'd Apr. 1929)
Abstract.

Tilden, J.E.
The distribution of marine algae, with special reference to the flora of the Pacific Ocean. (A preliminary paper). Proc. Pan-Pacific Sci. Congr. 3d Tokyo. 1926. 1: 946-953. 1928(Rec'd Ap.1929)

Went, F.A.F.C.
The Pacific ocean as a boundary of the distribution of the Podostemonaceae. Proc. Pan-Pacific Sci. Congr. 3d Tokyo. 1926. 2: 1906-1911. 1928. (Rec'd Ap.1929)

Yamada, Y.
The phyto-geographical relation between the Chlorophyceae of the Mariannes, Carolines and Marshall Islands and those of the Malay Archipelago, Australia and Japan. Proc. Pan-Pacific Sci. Congr. 3d Tokyo. 1926. 1: 964-966. 1928.(Rec'd Ap.1929)

Yamaguti, Y.
Genetics in relation to the improvement of rice. Proc. Pan-Pacific Sci. Congr. 3d Tokyo. 1926. 1:1187-1191. 1928.(Rec'd Ap. 1929)

Proc. Virginia State Hort. Soc. (Winchester)

Fromme, F.D.
Black rootrot disease of apple. Proc. Virginia State Hort. Soc. 32: 87-95. illus. 1928.

Schniederhan, F.J.
A new method of preparing Bordeaux mixture. Proc. Virginia State Hort. Soc. 33: 104-115. 1929.

V.11, no.9, p.30.

Proc. Virginia State Hort. Soc. (cont.)

Tavenner, S. F.

Our cedar rust fight through the U. S. Supreme Court. Proc. Virginia State Hort. Soc. 33: 72-76. 1929.

Queensl. Agr. Journ. (Brisbane)

Francis, W.D.

Queensland rain forest trees (cont.) Queensl. Agr. Journ. 31: 208. pl. lxv-lxvi. Mr.1,1929. no.3.

Ailanthus malabarica.

Repert. Spec. Nov. Fedde. (Berlin)

Aellen, P.

Chenopodium rugosum Aellen, eine neue art aus Sibirien. Repert. Spec. Nov. Fedde. 25: 215. D.31, 1928. no.694/702.

Becherer, A.

Combinationes novae vel neglectae. Repert. Spec. Nov. Fedde. 25: 215-218. D.31,1928. no.694/702.

Bornmüller, J.

Ergebnis einer botanischen reise nach Griechenland II. im jahre 1926. Repert. Spec. Nov. Fedde. 25(Repert.Europ. et Med. 2, 19/16): 270-350. D.31,1928.

Brand, A.

Decas specierum novarum octava. Repert. Spec. Nov. Fedde. 25: 210-214. D.31, 1928. no.694/702.

Brand, A.

Eine neue Gastrocotyle [G. natolica]. Repert. Spec. Nov. Fedde. 25: 214-215. D.31,1928. no. 694/702.

Dinter K.

Index der aus Deutsch-Südwestafrika bis zum jahre 1917 bekannt gewordenen pflanzenarten XXVII. Repert. Spec. Nov. Fedde. 25: 209-210. D.31, 1928. no.694/702.

Fedde, F.

Corydalis denticulato-bracteata spec.nov. aus Sikkim. Repert. Spec. Nov. Fedde. 25: 219-220. D.31, 1928. no. 694/702.

Repert. Spec. Nov. Fedde. (cont.)

Fedde, F.
Neue arten von Corydalis aus China. XIV. Repert. Spec. Nov. Fedde. 25: 220-224. D.31. 1928. no.694/702.

Fedde, F.
Eine neue hochgebirgsart von Corydalis (C.osmastonii) aus dem Baltistanischen Kaschmir. Repert. Spec. Nov. Fedde. 25: 218-219. D.31,1928. no.694/702.

Renz, J.
Zur kenntnis der griechischen orchideen. Repert. Spec. Nov. Fedde. 25(Repert. Europ. et Med. 2, 19/20): 225-270. pl. lx-lxx. D.31, 1928. no. 694/702.

Warburg, O. & Eig, A.
Zwei neue leguminosen aus der ebene Esdraelon in Palastina. Repert. Spec. Nov. Fedde. 25(Repert. Europ. et.Med. 2, 19/26): 350-352. pl. lxxiii. D.31, 1928. no. 694/702.

Revista Industr. Bogota.

Toro, R.A.
El enrollamiento de las hojas de durazno. Revista Industr. Bogota. 5: 261-263. illus. F.1929. no.57.

Rhodesia Agr. Journ. (Salisbury)

Hopkins, J.C.F.
Two common diseases of potato tubers in Rhodesia. Rhodesia Agr. Journ. 27: 257-259. S.1928.(Rec'd Ap.1929) no.3.
Rhizoctonia, internal browning.

Riv. Biol. (Milan)

Angeli, B.
La ricerca microchimica del fosforo nelle cellule vegetali. Riv. Biol. 10: 702-707. S./D. 1928 (Rec'd Ap.1929) no.5/6.

Quadrio, M.
Studi biologici sopra alcuni pollini. Riv. Biol. 10: 708-726. S./D.1928 (Rec'd Ap.1929) no.5/6.

V.11, no.9, p.32.

Roczn. Nauk Rolnicz. i Leśn. (Polish Agr. & For. Ann.) (Poznań)

Golińska, J.

Wpływ wielkości nasion na rozwój kalarepy i rzodkiewki. (Effect of size of seed on development of kohl-rabi (Brassica oleracea v. caulorapa) and radish (Raphanus sativus). Roczn. Nauk. Rolnicz. i Leśn. (Polish Agr. & For. Ann.) 20: 23-46. illus. 1929.

Polish with English summary.

Jankowska, K.

O nowych dla Polski chorobach roślin uprawnych. (Some new diseases of cultivated plants in Poland). Roczn. Nauk Rolnicz.i. Leśn. (Polish Agr. & For. Ann.) 20: 153-162. 1929. no.1.

Polish with English summary.

Science. (Lancaster,Pa.)

The ascent of sap. Science. v.69, no.1790. Suppl. p.xiv. Ap.19, 1929.

Theories in opposition to J. C. Bose's of "hearts" propelling the sap upward by rhythmic beats.

The southwest arboretum of the Boyce Thompson institute for plant research. Science. 69: 419. Ap.19, 1929. no.1790.

Carr, R.H.

Structure of plant compounds and solubility. Science. 69: 407-408. Ap.12, 1929. no.1789.

Vickery, H.B. & Mendel, L.B.

The work of Thomas Burr Osborne (1859-1929). Science. 69: 385-389. Ap.12, 1929. no.1789.

Scient. Month. (Lancaster, Pa.)

Bioletti, F.T.

Quality in grapes. Scient. Month. 28: 393-400. My.1929. no.4.

Scott. For. Journ.

Alcock, N.L. & Braid, K.W.

The control of bracken. Scott. For. Journ. 42: 68-73. illus. pl.v-vi. O.1928 (Rec'd F. 1929) no.2.

Scott. For. Journ. (cont.)

Alcock, N.L.
Keithia thujina, Durand: A disease of nursery seedlings of Thuja plicata. Scott. For. Journ. 42: 77-79. illus. O.1928. (Rec'd F.1929) no.2.

Borthwick, A.W.
Frost damage to young coniferous trees. Scott. For. Journ. 42: 63-68. illus. pl.iv. O.1928. (Rec'd F.1929) no.2.

Watson, H.
Notes on attack by Rhizoctonia crocorum on Sitka spruce (Picea sitchensis). Scott. For. Journ. 42: 58-61. O.1928 (Rec'd F.1929) no.2.

Stain Techn.

Conn, H.J.
The history of staining. Logwood dyes. Stain Techn. 4: 37-48. Ap.1929. no.2.

McClintock, B.
A method for making aceto-carmin smears permanent. Stain Techn. 4: 53-56. illus. Ap. 1929. no.2.

Succulenta. (Leeuwarden)

Maass, C.A.
Opuntia crinifera Pfeiffer. Succulenta. 11: 63-67. illus. Ap.1929. no.4.

Verbeek Wolthuys, J. J.
De succulenten V. Gepantserde bladeren. Succulenta. 11: 72-76. illus. Ap.1929. no.4.

Sugar. (N.Y.)

Sartoris, G.B.
Deterioration in P.O.J. canes. Sugar. 31: 144-146. Ap.1929. no.4.

Sugar News. (Manila)

Lee, H.A.
The size of seed pieces in relation to germination and the relation of irrigation to germination. Sugar News. 10: 176-185. Mr.1929.

Svensk Bot. Tidskr.

Almquist, E.
Några odlingar i terrängen. Svensk Bot. Tidsskr. 23: 44-51. 1929. no.1.

Arwidsson, Th.
Einige laubwaldassoziationen aus Schonen. Svensk Bot. Tidskr. 23: 52-62. 1929. no.1.

Åslander, A.
Concentration of the nutrient medium versus its hydrogen-ion concentration as manifested by plant growth. Svensk Bot. Tidskr. 23: 96-140. illus. 1929. no.1.

Fries, R.E.
Vad är Basidiobolus myxophilus? Svensk Bot. Tidskr. 23: 149-150. 1929. no.1.

Fröderström, H.
The species of Sedum in tropical Africa. Svensk Bot. Tidskr. 23: 1-10. pl. i-ii. 1929. no.1.

Hesselman, H.
Gunnar Andersson. Svensk. Bot. Tidskr. 23: 166-176. port. 1929. no.1.

Johansson, K.
Dubbia årsskott hos plataner. Svensk Bot. Tidskr. 23: 145-146. illus. 1929. no.1.
Platanus acerifolia.

Johansson, K.
En dvärgform av Anemone hepatica L. Svensk Bot. Tidskr. 23: 146-147. illus. 1929. no.1.

Lundequist, O.F.E.
Om Grenna sockens vegetation. Svensk Bot. Tidskr. 23: 11-43. 1929. no.1.

Skärman, J.A.O.
Floristiska anteckningar från några av öarna i östra Vänern (Torsö, Bromö, Dillö och Onsö). Svensk Bot. Tidskr. 23: 63-95. 1929. no.1.

Trans. Illinois State Hort. Soc.

Anderson, H.W.
Experimental spraying and dusting for fruit disease control 1928. Trans. Illinois State Hort. Soc. 62: 136-156. 1928(Rec'd Ap.1929)

Anderson, H.W.
Fruit diseases in 1928. Trans. Illinois State Hort. Soc. 62: 126-135. 1928(Rec'd Ap.1929)

Roberts, J.W.
Control of peach bacterial spot. Trans. Ill. State Hort. Soc. 62: 465-473. 1928(Rec'd Ap.1929)

Valleau, W.D.
Shot-hole control by cultural practices. Trans. Ill. State Hort. Soc. 62: 474-489. 1928(Rec'd Ap.1929)
Defoliation due rather to nitrogen deficiency than to Bacterium pruni.

Trans. Peninsula Hort. Soc. (Dover, Dela.)

Detjen, L.R.
Frost injury in the apple, plum and peach. Trans. Peninsula Hort. Soc. 18: 23-29. illus. 1929. no.3.

Lagassé, F.S.
Some pollination results and a study of the effect of source of nitrogen on the rate of fruit bud development in the Elberta peach. Trans. Peninsula Hort. Soc. 18: 11-22. illus. 1929. no.3.

Roberts, J.W.& Pierce, L.
Control of peach bacterial spot. Trans. Peninsula Hort. Soc. 18: 102-106. 1929. no.3.

Tropenpfl. (Berlin)

Langer, A.
Erfahrungen mit tropischen und subtropischen futterpflanzen. Tropenpfl. 32: 55-65, 103-129. illus. F., Mr. 1929. no.2,3.

Ross, J.H.H.
Die ölpalme in Mexiko. Tropenpfl. 32: 99-103. illus. Mr.1929. no.3.

U.S. Dept. Agr. Farm. Bull.

Young, F.D.
Frost and the prevention of frost damage. U.S. Dept. Agr. Farm. Bull. 1588. 62 p. illus. Ap. 1929.

V.11, no.9, p.36.

Univ. Calif. Publ. Bot. (Berlekely, Cal.)
Merrill, E.D.
Plantae Elmerianae Borneenses. Univ. Calif. Publ. Bot. 15: 1-316. 1929.
Collections made by A.D.E. Elmer, 1921-1923.

Navashin, M.
Studies in polyploidy I. Univ. Calif. Publ. Bot. 2: 377-396. pl. lvi-lvii. Ap.6, 1929. no.14.
I. Cytological investigations on triploidy in Crepis.

Versl. en Meded. Plantenziektenk. Dienst Wageningen.
Ziekten van aardappelknollen. 4., herziene druk. Versl. en Meded. Plantenziektenk. Dienst. Wageningen. no.9. 17 p. iv pl. Ja.1929.

Weekbl. Bloembollencult. (Haarlem)
Slogteren, E.van.
Bestrijding van gladiolenziekten. Weekbl. Bloembollencult. 39: 80. Ap.9, 1929. no.80.

Wisconsin Hort. (Madison)
Smith, H.H.
The early spring flowers. Wisconsin Hort. 19: 227-229. illus., port. Ap.1929. no.8.

Vaughan, R.E.
Apple scab control. Wisconsin Hort. 19: 236-237. port. Ap.1929. no.8.

Zeitschr. Angew. Chem. (Leipzig)
Schwartz, W.
Die stellung der botanik an den technischen hochschulen. Zeitschr. Angew. Chem. 42: 361-362. Ap.6, 1929. no.6.

Zeitschr. Indukt. Abstamm. u. Vererbungsl. (Leipzig)
Köhler, K.
Ueber reziprok verschiedene bastarde in der gattung Epilobium. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 49: 242-309. illus. 1929. no.4.

Zeitschr. Pilzk. (Leipzig)
Killerman, S.
Bestimmung der abbildungen bei Batsch (Elenchus fungorum, Halae 1783-89). Zeitschr. Pilzk. 8: 36-42. Mr.23, 1929. no.3.

Killermann, S.
Die breitblätterige glucke (Sparassis laminosa Fr.) Zeitschr. Pilzk. 8: 33-35. illus. Mr.23, 1929. no.3.

Zeitschr. Zuckerind. Cechoslovak. Rep.
Stehlik, V.
Ueber hagelschäden an zucht- und industrierüben. Zeitschr. Zuckerind. Cechoslovak. Rep. 53: 400-404. illus. Mr.29, 1929. no.30.

Zhurn. Opytn. Agron. Iugo-Vost. (Journ. Exp.Landw. Südost. Eur.-Russl.) (Saratov)
Saltykovsky, M.I.
... Das frujahrsabsterben der wintergetreide. Zhurn. Opytn. Agron. Iugo-Vost. (Journ. Exp. Landw. Sudost. Eur.-Russl.) 6(2): 151-174. illus. 1928 (Rec'd Ap.1929)
Russian with German summary.

Exper. Stat. Publ.
Durrell, L.W.
Report of the botanist. Ann. Rep. Colorado Agr. Exp. Stat. 41(1928): 22-26. [1929?]

Sackett, W.G.
Report of the bacteriologist. Ann. Rep. Colorado Agr. Exp. Stat. 41(1928): 17-21. [1929?]
Includes alfalfa wilt, black chaff and basal glume rot of wheat.

Clinton, G.P. & McCormick, F.A.
The willow scab fungus. Fusicladium saliciperdum. Connecticut Agr. Expt. Stat. Bull.302. p.442-469. pl. ix-xvi. Mr.1929.

[Report of the] Dept. of botany. Rep. Director Indiana Agr. Exp. Stat. 1927/28: 37-40. illus. [1929]
H.S. Jackson chief.

Exper. Stat. Publ. (cont.)

Hughes, H.D. & Robinson, J.L.
Relation of certain ear and kernel characters of Reid yellow dent corn to yield. Iowa Agr. Exp. Stat. Bull.257. p.170-208. Ja.1929.

Diseases of plants. Kansas Agr. Exp. Stat. Director's Rep. 1926-28: 60-67. 1928.
L.E. Melchers pathologist.

Marshall, R.E., Johnston, S., Hoctman, H.D. & Wells, H.M.
Pollination of orchard fruits in Michigan. Michigan Agr. Exp Stat. Spec.Bull. 183. 35 p. Mr. 1929.

Botany and plant pathology. Ann. Rep. Ohio Agr. Exp. Stat. 47(1927/28): 51-68. illus. Mr 1929.
H.C. Young chief.

Report on horticulture. Ann. Rep. Tenn. Agr. Exp. Stat. 41(1928): 25-30. 1929.
Includes notes on resistant varieties.
J.A. McClintock horticulturist.

Sherbakoff, C.D.
Cotton diseases of special importance in Tennessee and their control. Ann. Rep. Tenn. Agr. Expt. Stat. 41(1928): 32-34. 1929.
Anthracnose, angular leafspot, Fusarium wilt, Verticillium wilt, "rust".

Hurt, R.H. & Schneiderhan, F.J.
Calcium sulphide for the control of apple and peach diseases. Virginia Agr. Expt. Stat. Tech. Bull.36. 15 p. illus. F.1929.

Knowlton, H.E. & Dorsey, M.J.
A study of the hardiness of the fruit buds of the peach. West Virginia Agr. Exp. Stat. Bull. 211. 27 p. illus. D.1927(Rec'd Ap.1929)

Severin, H.H.P.
Curly top symptoms on the sugar beet. California Agr. Exp. Stat. Bull.465. 35 p. illus., 4 pl. Mr.1929.

V.11, no.9, p.39.

Exper. Stat. Publ. (cont.)

Jones, J.P.
A physiological study of dormancy in vetch seed. Cornell Agr. Exp. Stat. Mem.120. 50 p. illus. D.1928 (Rec'd Ap.1929)

New Books.

Bonnier, G.
Flore complète illustrée en couleurs de France... Suisses et Beligique... tome 10me par R.Douin. fasc. 99. pl. 589-594. [1929?]

Delevoy, G.
La question forestière au Katanga. v.2, Les essences forestières du Katanga. Bruxelles, 1929.

Hume, H.H.
Gardening in the lower south. N.Y., Macmillan, 1929.

India(Burma) - Mycologist.
Report. 1927/28. Rangoon,1928.

Kozo-Poljanski, B.M.
Glaziale pflanzenrelikte auf dem Orel-Kurskschen plateau im süden der Mittelrussischen hochebene II In Karsten, G. Vegetationsbilder 19. reihe, h.7/8. pl.27-48. 1929.

Schroeter, C.
Das pflanzenleben der Alpen. 2. neubearb. und verm. aufl. Zurich, A. Raustein, 1926.

Turrill, W.B.
The plant-life of the Balkan peninsula. A. phytogeographical study. Oxford. Clarendon press, 1929.

Voeikov, A.D.
... Climatic conditions of horticulture in Manchuria. Kharbin, 1928.
Russian with English summary (23 p.)

New Books (cont.)

Weldon, G.P.

Economic biology. A text for students of agriculture and general biology. N.Y., McGraw-Hill book company, 1929.

Weeds: p.315-328,; Plant diseases and their damage to fruit trees: p.329-350; Vegetable, grain and forest diseases and fungicides: p.351-365; Origin and propagation of fruits: p.366-387; Fruit growing: p.388-438.

Zahlbruckner, A.

Catalogue lichenum universalis bd.5, bog. 41-51. (schluss des bandes). Lepzig, Borntraeger, 1928.

Translations filed in Library of Bur. of Plant Industry.

Chernetskaja, Z.S.

Gribok Diplodia pinea (Desm.) Kickx kak opasnyi parazit sosny (Diplodia pinea Kickx as a dangerous parasite on pine). Mater. Mikol. i Fitopat. 5(2): 24-28. 1926.

Lagerberg, T.

Barrvedons lagringsrötor. (The storage rot of pine) K. Landtbr. Akad. Handl. o. Tidskr. 67: 66-78. 1928.

Samofal, S.A.

Parazitnye griby - Armillaria mellea Quélet i Polyporus annosus Fries v sosbovykh borakh i ikh znachenie v lesokyl turnom dele (The parasitic fungi Armillaria mellea Quélet and Polyporus annosus Fries in pine forests and their importance in forest culture) Mater. Mikol. i Fitopat. 5(2): 93-116. 1926.

Shitikova-Rusakova, A.A.

Issledovanie vozdykha na soderzhanie v nem spor razlichnykh gribov (Investigations on the spores of different fungi in the atmosphere) Mater. Mikol. i Fitopat. 5(2): 29-48. 1926.

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

Vol. 11, no. 10. April 29-May 11, 1929.

Administr. Rep. Dir. Agr. Trinidad & Tobago.
Stell, F.
Plant pathology (Report on plant diseases during 1927) Administr. Rep. Dir. Agr. Trinidad & Tobago. 1927: 33-36. 1929.

Agr. Puertorriqueno. (San Juan)
López, Domínguez, F.A.
El mosaico en la caña de azucar. Agr. Puertorriqueno. 7: 9-12. Ap.15, 1929. no.7.

Agr. y Zootecn. (Habana)
Crawley, J. T.
Franklyn [sic] S. Earle. Agr. y Zootecn. (Habana) 8: 211-212. port. Mr.1929. no. 6.

Amer. Bot. (Indianapolis, Ind.)
Bouffioux, M. R.
Calypso. Amer. Bot. 35: 65-68. Ap. 1929. no. 2.
Notes, as omitted from Miss Armstrong's Field book of western wild flowers: Calypso borealis, Synthyris rotundifolia, Tellima grandiflora, Erythronium johnsonii.

[Clute, W.N.]
Botanical essays. XIV. Decreasing species. XV. The passing trees. XVI. The opening of flowers. Amer. Bot. (Suppl.). 35: 65-80. Ap. 1929. no. 2.

Clute, W. N.
The meaning of plant names. XXXVIII. The everlastings. Amer. Bot. 35: 56-61. Ap. 1929. no. 2.

Phreatophytes. Amer. Bot. 35: 73-74. Ap. 1929. no.2.
"Well-plants."

White gentian. Amer. Bot. 35: 72-73. Ap. 1929. no. 2.

Amer. Bot. (cont.)

Whitfield, I. H.
The least beautiful trillium. Amer. Bot. 35: 68-69. Ap. 1929. no.2.
Trillium sessile.

Williams, C. R.
The pine barren "island" of New Jersey. Amer. Bot. 35: 49-55. Ap. 1929. no. 2.

Amer. For. & For. Life. (Wash., D.C.)

Borah, A.
Trees of the Bible. VI. The sycamine and the almond. Amer. For. & For. Life. 35: 293-295. illus. My.1929. no.5.

Collingwood, G. H.
How a tree grows. Amer. For. & For. Life. 35: 279-283. illus. My. 1929. no.5.

Murrill, W. A.
The Paulownia tree. Amer. For. & For. Life. 35: 270-271. illus. My. 1929. no.5.

Warner, H. H.
Ancient box trees of England. Amer. For. & For. Life. 35: 263-264, 316-317. illus. My. 1929. no.5.

Ann. Rep. Dept. Agr. Barbados.

Evelyn, S. H.
Mycological work. Ann. Rep. Dept. Agr. Barbados. 1926/27: 15. [1928]

Wiles, D.R.D.
Report of plant diseases inspector for the year ending 31st May 1928. Ann. Rep. Dept. Agr. Barbados. 1927/28: 16-19. 1928.

Ann. Rep. Dept. Agr. Bengal.

Kar, P. C.
[Report on] mycology. Ann. Rep. Dept. Agr. Bengal. 1927/28: 40-42. 1928.

Ann. R. Bot. Gard. Peradeniya.

Alston, A. H. G.
The flora of Maragalakande. Ann. R. Bot. Gard. Peradeniya. 11: 207-211. Mr.12, 1929. no.2.
Maragala or Monaragala is an isolated mountain in the province of Uva.

Alston, A.H.G.
Names published in Moon's catalogue. Ann. R. Bot. Gard. Peradeniya. 11: 203-205. Mr.12, 1929. no.2.
A. Moon's A catalogue of the exotic and indigenous plants growing in Ceylon... 1824.

Bertus, L. S.
Sclerotium rolfsii Sacc. in Ceylon. Ann. R. Bot. Gard. Peradeniya. 11: 173-187. pl. xxi-xxii. Mr. 12, 1929. no.2.

Lord, L.
The germination of rice seeds in Ceylon. Ann. R. Bot. Gard. Peradeniya. 11: 113-123. diagrs. Mr.12, 1929. no.2.

Lord, L.
Measurements of the grains of Ceylon rices. Ann. R. Bot. Gard. Peradeniya. 11: 165-172. pl.xvii-xx. Mr.12,1929. no.2.

Lord, L.
The preliminary testing of pure line selections of rice. I-II. Ann. R. Bot. Gard. Peradeniya. 11: 123-164. pl.xvi. Mr.12, 1929. no.2.
Pt. I reprinted from Trop. Agr. 67: 272-285. N.1926.

Small, W. & Bertus, L. S.
On the parasitism of Sphaerostilbe repens B. and Br. Ann. R. Bot. Gard. Peradeniya. 11: 189-202. pl. xxiii-xxiv. Mr.12, 1929. no.2.

Ann. Sci. Nat. Bot. (Paris)

Dugas, M.
Contributions a l'étude du genre "Plagiochila" Dum. Ann. Sci. Nat. Bot. X, 11: 1-199. illus. Ap.1929. no.1.

Arb. Biol. Reichanst. Land- u. Forstw. (Berlin)

Gassner, G. & Straib, W.
Untersuchungen über die infektionsbedingungen von Puccinia glumarum und Puccinia graminis. Arb. Biol. Reichanst. Land- u. Forstw. 16: 609-629. 1929. no.4.

Scheibe, A.
Studien zum weizenbraunrost, Puccinia triticina Erikss. I. Arb. Biol. Reichanst. Land-u. Forstw. 16: 575-608. illus., ii col.pl. 1929. no.4.
I. Methoden und ergebnisse bei der bestimmung seiner physiologischen formen (biotypen)

Stapp, C.
Die schwarzbeinigkeit und knollennassfäule der kartoffel. Arb. Biol. Reichanst. Land- u. Forstw. 16: 643-703. ii pl. 1929. no.4.

Wick, H. H.
Untersuchungen über einige quantitative beziehungen bei einigen kartoffelsorten und auslesen. Arb. Biol. Reichanst. Land- u. Forstw. 16: 631-642. table. 1929. no.4.

Arch. de Bot. Caen. Mém.

Litardière, R.de.
Contributions à l'étude phytosociologique de la Corse. Les montagnes de la Corse orientale entre le Golo et le Tavignano. Arch. de Bot. Caen Mém. v.2, no.4. 184 p. 10 pl. [1928] (Rec'd Ap.1929)

Austral. Journ. Exp. Biol. & Med. Sci.

Huelin, F. E.
Preliminary study upon the nucleo-cytoplasmic ratio in plant tissues. Austral. Journ. Exp. Biol. & Med. Sci. 6: 59-63. Mr. 16, 1929. no.1.
In wheat.

Ber. Westpreuss. Bot.-Zool. Ver.

Preuss, H.
Das herbarium Klinsmann unter besonderer berücksichtigung der Danizger adventivflora. Ber. Westpreuss. Bot.-Zool. Ver. 50: 201-230. 1928. (Rec'd Ap.1929)

Ber. Westpreuss. Bot.-Zool. Ver. (cont.)

Schulz, P.

Süss- und brackwasserdiatomeen aus dem gebiete der freien stadt Danzig und dem benachbarten pommerellen. Ber. Westpreuss. Bot.-Zool. Ver. 50: 85-116. viii pl. 1928(Rec'd Ap.1929)

Better Crops (N.Y.)

Schuster, G.L.

Chlorosis. Better Crops. 12: 20-21, 48-49. illus. My.1929. no.5.

La Betterave. (Paris)

Janasz, A.

La lutte contre la "Cercospora" en Italie. La Betterave. 39(14): 7-9. illus. Ap.15, 1929.

Biochem. Zeitschr. (Berlin)

Chrzaszcz, T. & Tiukow, D.

Die stärkebildung bei den schimmelpilzen (Penicillium Link) wie auch ihr zusammenhang mit der säurebildung. Biochem. Zeitschr. 207: 39-52. illus. 1929. no.1/3.

Biol. Rev. & Biol. Proc. Cambridge Phil. Soc.

Fritsch, F.E.

Evolutionary sequence and affinities among protophyta. Biol. Rev. & Biol. Proc. Cambridge Phil. Soc. 4: 103-151. illus. Ap.1929. no.2.

Redington, G.

The effect of the duration of light upon the growth and development of the plant. Biol. Rev. & Biol. Proc. Cambridge Phil. Soc. 4: 180-208. Ap.1929. no.2.

Biol. Soc. Colombiana Cienc. Nat. (Bogota)

Apolinar Maria, H.

Vocabulario de los términos vulgares usados en la república (cont.) Bol. Soc. Colombiana Cienc. Nat. 18: 13-26. Mr.1929. no.99.

Toro, R. A.

El concepto taxonomico de los Perisporiales. Bol. Soc. Colombiana Cienc. Nat. 18: 10-13. F./Mr. 1929. no.99.

Boll. R. Staz. Patol. Veg. Roma. (Firenze)

Catoni, G.
La fruttificazione basidiofora di un endofita delle orchidee. Boll. R. Staz. Patol. Veg. Roma. n.s. 9: 66-74. 5 pl. Ja./Mr. 1929. no.1.

Petri, L.
Effetti delle radiazioni dell'uranio d dell'ionizzazione dell'aria sopra l'olivo. Boll. R. Staz. Patol. Veg. Roma. n.s. 9: 93-94. 2 pl. Ja./Mr. 1929. no.1.

Petri, L.
Rassegna dei casi fitopatologici osservati nel 1928. Boll. R. Staz. Patol. Veg. Roma. n.s., 9: 1-65. Ja./Mr.1929. no.1.

Bot. Arch. (Leipzig)

Berckemeyer, Wvv.
Ueber kontraktile umbelliferenwurzeln. Bot. Arch. 24: 273-318. illus. Mr.1929. no.3/4.
Recapitulation (in English): p.317.

Dekker, E.v. & Ziegenspeck, H.
Das system der Phaeophyta aus der betrachtung der behälter von sporen und gameten, sowie der generationen entwickelt. Bot. Arch. 24: 404-415. illus. Mr.1929. no.3/4.
English abstract: p.415.

Dembowski, V. & Ziegenspeck, H.
Ueber die entstehung der primären pektinlamelle bei der zellteilung. Bot. Arch. 24: 492-504. Mr.1929. no.3/4.
English abstract: p.504.

Grigull, K.v.
Untersuchungen über die fehler der konstanten im wirkungsgesetz der wachstumsfaktoren. Bot. Arch. 24: 424-443. Mr.1929. no.3/4.
English abstract: p.443.

Grzenkowski, M.v.
Die kalkreinigung der höheren pflanzen, ein sammelreferat. Bot. Arch. 24: 326-353. Mr.1929. no.3/4.

Bot. Arch. (cont.)

Hauch, L.v.
Untersuchungen über den einfluss der bodenfeuchtigkeit auf die saugkraft der pflanzen. Bot. Arch. 24: 458-491. Mr.1929. no.3/4.
English abstract: p.489-490.

Morton, F.v.
Pflanzensoziologische aufnahmen aus Oberösterreich. Bot. Arch. 24: 444-457. Mr.1929. no.3/4.

Schulz, P.v.
Ueber zellteilung und dauersporenbildung der diatomeengattungen Attheya und Rhizosolenia. Bot. Arch. 24: 505-524. illus. Mr.1929. no.3/4.
English abstract: p.521.

Steinecke, F.v.
Harpochytrium vermiforme Steinecke nov. spec. Ein neuer phycomycet. Bot. Arch. 24: 319-322. illus. Mr.1929. no.3/4.

Steinecke, F.v.
Hemizellulosen bei Oedogonium. Bot. Arch. 24: 391-403. illus. Mr.1929. no.3/4.
English abstract: p.401.

Steinecke, F.v.
Pektosekappe und schachtelbau bei Trentepohlia. Bot. Arch. 24: 525-530. illus. Mar.1929. no.3/4.
English abstract: p.529.

Steinecke, F.v.
Sexualdimorphismus bei Zygnema stellinum. Bot. Arch. 24: 531-537. illus. Mr.1929. no.3/4.
English abstract: p.537.

Stepputat, W.v.
Serodiagnostische untersuchungen über die phylogenie der laubmoose. Bot. Arch. 24: 354-390. illus. Mr.1929. no.3/4.

Wilke, H.v. & Ziegenspeck, H.
Ein auf die auxiliarzellen begründetes florideensystem. Bot. Arch. 24: 416-423. illus. Mr.1929. no.3/4.
Recapitulation (in English): p.421.

Bot. Gaz. (Chicago)

Haas, A.R.C.
Composition of avocado trees in relation to chlorosis and tip-burn. Bot. Gaz. 87: 422-430. Ap.1929. no.3.

Haas, A.R.C.
Composition of walnut trees as affected by certain salts. Bot. Gaz. 87: 364-396. illus. Ap.1929. no.3.

Lander, C.A.
Oogenesis and fertilization in Volvox. Bot. Gaz. 87: 431-436. pl.xv. Ap.1929. no.3.

Mundie, J.R.
Cytology and life history of Vaucheria geminata. Bot. Gaz. 87: 397-410. pl. xiii-xiv. Ap.1929. no.3.

Sinnot, E. D., and Durham, G.B.
Developmental history of the fruit in lines of Cucurbita pepo differing in fruit shape. Bot. Gaz 87: 411-421. illus. Ap.1929. no.3.

Woodworth, R.H.
Cytological studies in Betulaceae. Bot. Gaz. 87: 331-363. pl. xi-xii. Ap.1929. no.3.
I. Betula.

Bot. Not. (Lund, Sweden)

Arwidsson, Th.
Hieraciologische kleinigkeiten. Bot. Not. 1929: 130-134. 1929. no.2.

Arwidsson, Th.
Zur frage der benennung von assoziationen. Bot. Not. 1929: 123-129. 1929. no.2.

Lindquist, B.
Inventeringen av Skånes flora. Bot. Not. 1929: 135-144. maps. 1929. no.2.

Lindquist, B.
Lycopodium chamaecyparissus A. Br. och dess förhållande till Lycopodium complanatum L. Bot. Not. 1929: 89-98. illus. 1929. no.2.
L. chamaecyparissus, a subspecies of L.complanatum; describes new variety of L. complanatum, intermedium.

Bot. Not. (cont.)

Magnusson, A. H.

New or interesting Swedish lichens. V. Bot. Not. 1929: 110-122. 1929. no.2.

Nilsson, G.

Lichenologiska bidrag. I- Bot. Not. 1929: 99-109. 1929. no.2.

En lichenologisk exkursion till Halleberg.

Bull. Agr. Congo Belge (Bruxelles)

Renson, C.

Le zacate gordura. - Bull. Agr. Congo Belge. 19: 451-460. illus. S.1928. no.3.

Melinis minutiflora.

Bull. Boston Soc. Nat. Hist. (Boston)

Sanford, S.N.F.

Some poisonous New England plants. Bull. Boston Soc. Nat. Hist. 51: 3-7. illus. Ap. 1929. no.51.

Bull. Gard. Club Amer. (Sewickley, Pa.)

Tears, L.

Colorado flowers for eastern gardens. Bull. Gard. Club Amer. 4: 47-52. My.1929. no.3.

Bull. Trim. Off. Rég. Agr. Midi France.

Bordas, & Joessel, P.H.

Les maladies des arbres fruitiers dans la vallée du Rhône en 1927. Bull. Trim. Off. Rég. Agr. Midi France. 1928: 178-200. O.1928 (Rec'd My. 1929) no.28.

Bull. Counc. Sci. & Ind. Res. Austr. (Melbourne)

Carne, W.M., Pittman, H.A. & Elliot, H.G.

Studies concerning the so-called bitter pit of apples in Australia; with special reference to the variety Cleopatra. Bull. Counc. Sci. & Ind. Res. Austr. 41. 101 p. illus. 14 pl.(pt.col.) 1929.

Bitter pit comprises two distinct diseases: true bitter pit or stippen and cork (Internal cork (cork proper of Mix), crinkle cork (crinkle of McAlpine), blotchy cork, drought-spot cork)

V.11, no.10, p.10.

Bull. Econ. Indochine (Hanoi)

Crevost, C. & Petelot, A.

Catalogue des produits de l'Indochine. Plantes médicinales. (cont.) Bull. Econ. Indochine. n.s. 32: 277-367. 1929. no.201.

Menaut, B.

Matière médicale cambodgienne. II(concl.) Bull. Econ. Indochine. n.s. 32:433-489. 1929. no.201.

Bull. Sci. Pharm. (Paris)

Garnier, M.

Sur le dosage du manganèse dans les cendres végétales. Bull. Soc. Pharm. 36: 140-146. Mr. 1929. no.3.

Wünschendorff, H.

Composition chimique des cendres de la fleur de figuier de Barbarie. Bull. Sci. Pharm. 36: 133-136. Mr. 1929. no.3.

Opuntia vulgaris.

Bull. Soc. Chim. France. (Paris)

Bertrand, G. & Benzon, B.

Sur la teneur en zinc des principaux aliments d'origine végétale. Bull. Soc. Chim. France. IV, 45/46: 168-175. F.1929. no.2.

Compt. Rend. Acad. Sci. Paris.

Daniel, L.

Résistance au froid des descendants de l'Artemisia absinthium greffée sur le Chrysanthemum frutescens. Compt. Rend. Acad. Sci. Paris. 188: 1060-1062. illus. Ap.15, 1929. no.16.

Guilliermond, A.

Nouvelles remarques sur l'appareil de Golgi: l'appareil de Golgi dans les levures. Compt. Rend. Acad. Sci. Paris. 188: 1003-1006. illus. Ap.8, 1929. no.15.

Maige, A.

Rôle du cytoplasme dans l'amylogénèse. Compt. Rend. Acad. Sci. Paris. 188: 1058-1060. Ap.15, 1929. no.16.

Compt. Rend. Acad. Sci. Paris. (cont.)

Marrassé, L.
L'hexaméthylenètétramine et l'aldéhyde formique sont réellement un aliment pour le haricot. Compt. Rend. Acad. Sci. Paris. 188: 1006-1007. Ap.8, 1929. no.15.

Malden, Y.
Sur le mécanisme de la séparation des périthèces chez des érysiphacées et le rôle des fulcres. Compt. Rend. Acad. Sci. Paris. 188: 1056-1057. Ap.15, 1929. no.16.

Wünschendorff, H. & Killian, C.
Nouvelles observations sur le métabolisme de l'Ustulina vulgaris L. Compt. Rend. Acad. Sci. Paris. 188: 1124-1126. Ap.22, 1929. no.17.

Ecology. (Brooklyn, N.Y.)

Kenoyer, L.A.
General and successional ecology of the lower tropical rain-forest at Barro Colorado Island, Panama. Ecology. 10: 201-222. illus. Ap. 1929. no.2.

Skutch, A.F.
Early stages of plant succession following forest fires. Ecology. 10: 177-190. pl.iii-v. Ap. 1929. no.2.

Flor. Exch. (N.Y.)

McKay, M.B.
News about bulb pests. Flor. Exch. 71: 48. My.4, 1929. no.1.
Abstract of talk before Northwest Florists Assoc., Seattle, Ap.14-16, 1929.

Flor. Rev. (Chicago)

Ball, G.J.
Rhizoctonia root rot. Flor. Rev. 64: 57. Ap.25, 1929. no.1639.
Sweet pea.

Forsch. Gebiet Pflanzenkr. & Immunität. Pflanzenr. (Berlin)

Bartels, F.v.
Studiem über Marssonina graminicola. Forsch. Gebiet.Pflanzenkr. & Immunität. Pflanzenr. 5: 73-114. illus., col.pl. 1928(Rec'd Ap.1929)

Forsch. Gebiet Pflanzenkr. & Immunität. Pflanzenr. (cont.)

Brandenburg, E.v.
Ueber mosaikkrankheiten an compositen.
Forsch. Gebiet Pflanzenkr. & Immunität. Pflanzenr.
5: 39-72. illus. 1929 (Rec'd Ap.1929)

Budde, A.v.
Ueber rassenbildung parasitischer pilze unter besonderer berücksichtigung von Colletotrichum lindemuthianum (Sacc. et Magn.) Bri. et Cav. in Deutschland. Forsch. Gebiet Pflanzenkr. & Immunität. Pflanzenr. 5: 115-147. pl. 1928(Rec'd Ap. 1929)

Schaffnit, E.v., & Wieben, M.
Untersuchungen über den erreger der federbuschsporankrankheit Dilophospora alopecuri (Fr.) Fr. Forsch. Gebiet Pflanzenkr. & Immunität. Pflanzenr. 5: 5-38. illus. 2 col.pl. 1928. (Rec'd Ap.1929)

Forstarch. Zeitschr. Wissenschaftl. u. Techn. in Forstwirtsch. (Hannover)

Liese, J.
Anatomische unterschiede zwischen den licht- und schattennadeln der kiefer. Forstarch. Zeitschr. Wissenschaftl. u. Techn. in Forstwirtsch. 1929: 152-163. illus. 1929. no.8.

Fortschr. Landw. (Vienna)

Schrader, Th.v.
Untersuchungen über kali und phosphorsäure-aufnahme unserer getreidesortem im jugendstadium. Fortschr. Landw. 4: 230-233. Ap.15, 1929. no.8.

Gard. Chron. (London)

Elliott, C.
Chile, and the Andes. X. Gard. Chron. III, 85: 294-295. illus. Ap.20, 1929. no.2208.

Grove, A.
Watsonia beatricis. Gard. Chron. III, 85: 292-293. illus. Ap.20, 1929. no.2208.

Gard Chron. (cont.)

Metcalf, C.R.
Investigations on the scab disease of lavendar. Gard. Chron. III, 85: 296. Ap.20, 1929. no.2208.
Abstract of paper before British mycological society, Mr. 16.
Caused by Phoma lavendulae.

Needham, C. W.
The garden polyanthus. Gard Chron. III, 85: 294. Ap.20, 1929. no.2208.

Weston, T.A.
Sodium chlorate as a weed-killer. Gard. Chron. III, 85: 298. Ap.20, 1929. no.2208.

Gartenfl. (Berlin)

Bielsdorf, K.
Drei interessante Heurnia-arten. Gartenfl. 74: 103-105. illus. Ap.1929.
H. schneideriana, H. penrigii, H. barbata.

Herre, H.
Eine der eigenartigsten pflanzen Südafrikas. Gartenfl. 74: 101-103. illus. Ap.1929.
Pachypodium namaquanam Welw.

Genetics. (Menasha, Wisc.)

Abegg, F. A.
Effects of waxy and sugary genes on reserves with special reference to modification of the waxy ratio in maize. Genetics. 14: 270-285. diagrs. My.1929. no.3.

Collins, J.L., Hollingshead, L., & Avery, P.
Interspecific hybrids in Crepis. III. Constant fertile forms containing chromosomes derived from two species. Genetics. 14: 305-320. illus. My.1929. no.3.

Imai, Y.
Linkage groups of the Japanese morning glory. Genetics. 14: 223-255. My.1929. no.3.

Lammerts, W.
Interspecific hybridization in Nicotiana. IX. Further studies of the cytology of the backcross progenies of the paniculata-rustica hybrid. Genetics. 14: 286-304. illus. My.1929. no.3.

Hoppe-Seyl. Zeitschr. Phys. Chem. (Berlin)
Noack, K.
Zur entstehung des chlorophylls und seiner beziehung zum blutfarbstoff. Hoppe-Seyl. Zeitschr. Phys. Chem. 182: 13-49. 1929. no.1/2.

Horticulture. (Boston)
Wilson, E.H.
Germinating seeds of the dove-tree. Horticulture. 7: 223. illus. My.1, 1929. no.9.
Davidia involucrata.

Illus. Landw. Zeit. (Berlin)
Eichinger, A.
Beizversuche mit hafer-tillantin. Illus. Landw. Zeit. 49: 167. illus. Ap.12, 1929. no.15.

Intern. Bull. Plant Prot.
Eglits, M.
Latvia: plant diseases observed in 1928. Intern. Bull. Plant Prot. 3: 34-35. Mr.1929. no.3.

Intern. Sugar Journ. (London)
Deerr, N.
The original home of the sugar cane. Intern. Sugar Journ. 31: 184-185. Ap.1929. no.364.

Jahrb. Wiss. Bot. (Leipzig)
Filzer, P.
Untersuchungen über wachstumsreaktion und krümmung bei achsenparalleler lichtrichtung. Jahrb. Wiss. Bot. 70: 435-492. 1929. no.3.

Heil, H.
Okologische untersuchungen an wasserpflanzen. Jahrb. Wiss. Bot. 70: 348-367. 1929. no.3.

Pascher, A.
Ueber die teilungsvorgänge bei einer neuen blaualge: Endonema. Jahrb. Wiss. Bot. 70: 329-347. illus. 1929. no.3.
Endonema, n.gen., E.moniliforme, E.gracile, n.sp.

Schumacher, W.
Ueber die beziehungen zwischen eiweissegehalt und chloroplastengrösse in den blättern von Pelargonium zonale. Jahrb. Wiss. Bot. 70: 389-434. illus. 1929. no.3.

Jahrb. Wiss. Bot. (cont.)

Simon, S.V.

Ueber gewebeveränderungen in den stielen abgetrennter bewurzelter blätter von Begonia rex. Jahrb. Wiss. Bot. 70: 368-388. illus. 1929. no.3.

Japan. Journl Bot. (Tokyo)

Ikeno, S.

Ueber die resultate der kreuzung von zwei Plantago -arten. Japan. Journ. Bot. 4: 303-316. illus. 1929. no.3.

P. polystachya x major.

Kawamura, S.

On some new Japanese fungi. Japan. Journ. Bot. 4:291-302. illus., pl.xxix. 1929. no.3.

I. A new fungus parasitic on bamboo (Miyoshiella macrospora). II. Note on a rare bamboo-parasitic fungus in Japan. (Micropeltis bambusicola). III. The Japanese spider-parasitic fungus (Isaria pachylomera). IV. A new Mutinus fungus (Mutinus coracoideus). V. A new Geoglossum fungus. (Geoglossum rotundiformis).

Morinaga, T.

Interspecific hybridization in Brassica. II. The cytology of F_1 hybrids of B.cernua and various other species with 10 chromosomes. Japan. Journ. Bot. 4: 227-289. pl.xxvi-xxviii. 1929. no.3.

No. 1 "in print."

Noguchi, Y.

Studien über den einfluss der aussenbedingungen auf das aufblühen der reispflanzen. Japan. Journ. Bot. 4: 237-276. diagrs. 1929. no.3.

Sakisaka, M.

On the seed-bearing leaves of Ginkgo. Japan. Journ. Bot. 4: 219-235. illus., pl.xxiii-xxv. 1929. no.3.

Journ. Agr. Res. (Wash., D.C.)

Angell, H.R.

Purple blotch of onion (Macrosporium porri Ell.) Journ. Agr. Res. 38: 467-487. illus., 3 pl. (1 col.) My.1, 1929. no.9.

Journ. Agr. Res. (cont.)

Dufrenoy, J.
A cytological study of water-soluble and fat-soluble constituents of citrus. Journ. Agr. Res. 38: 411-429. illus. Ap.15, 1929. (Rec'd Ap.27) no.8.

Janssen, G. & Bartholomew, R.P.
The translocation of potassium in tomato plants and its relation to their carbohydrate and nitrogen distribution. Journ. Agr. Res. 38: 447-465. iii pl. Ap.15, 1929(Rec'd Ap.27) no.8.

Wentz, J.B. & Goodsell, S. F.
Recessive defects and yield in corn. Journ. Agr.Res. 38: 505-510. My.1,1929. no.9.

Journ. Arnold Arb.

Bakhuizen van den Brink, R.C.
The Verbenaceae of British Papua collected for the Arnold Arboretum by L.J. Brass. Journ. Arn. Arb. 10: 69-75. pl.16-17. Ap.1929. no.2.

Byhouwer, J.T.P.
An enumeration of the roses of Yunnan. Journ. Arn. Arb. 10: 84-107. Ap. 1929. no.2.

Diels, L. & others.
Descriptions of new species collected in British Papua by L.J. Brass. Journ. Arn. Arb. 10: 75-84. Ap.1929. no.2.

Rehder, A.
New species, varieties and combinations from the herbarium and the collections of the Arnold Arboretum. Journ. Arn. Arb. 10: 132-136. Ap. 1929. no.2.

Rehder, A.
Notes on the ligneous plants described by H. Léveillé from eastern Asia. Journ. Arn. Arb. 10: 108-132. Ap. 1929. no.2.

Journ. Bath & West & South Co. Soc. Agr.

Marsh, R.W. & Maynard, J.G.
A preliminary note on the control of black currant leaf spot (Pseudopeziza ribis). Journ. Bath & West & South Co. Soc. Agr. VI, 3: 196-198. 2 pl. 1929.

Maynard, J.G. & Marsh, R. W.
Spraying trials against apple scab at Long Ashton in 1928. Journ. Bath & West & South Co. Soc. Agr. VI, 3: 183-195. fold.tab. 1929.

Staniland, L.N. & Swarbrick, T.
Experiments on the relation of strawberry eelworm (Aphlenchus fragariae) to "red plant" and "cauliflower" disease of strawberries. Journ. Bath & West & South. Co. Soc. Agr. VI, 3: 198-209. 1929.

Swarbrick, T.
Factors governing fruit-bud formation. Some observations upon the leaf area of spurs on biennially bearing apple trees. Journ. Bath & West & South Co. Soc. Agr. VI, 3: 158-183. 1929.

Journ. Bot. (London)

[Abstracts of three papers read before the Linnean society, Feb.28,1929]. Journ. Bot. 67: 125-127. Ap.1929.
Hybridization in the New Zealand flora, by A.W. Hill - Hybridization in certain genera of the British flora, by E.M. Marsden-Jones & W.B. Turrill - Some natural hybrids of Clematis, Anemone and Gerbera from the Transvaal, by C.E. Moss.

Coleman, E.
Pollination of an Australian orchid, Cryptostylis leptochila F. Muell. Journ. Bot. 67: 97-100. illus. pl.590. Ap.1929. no.796.

Exell, A.W.
New and noteworthy species of Combretum from western tropical Africa. Journ. Bot. 67: 100-104. Ap.1929. no.796.

Gepp, A.
Viktor Ferdinand Brotherus. (1849-1929). Journ. Bot. 67: 114. Ap.1929. no.796.

Journ. Bot. (cont.)

Lacaita, C.C.
Duriaei iter asturicum botanicum. Journ. Bot. 67: 107-113. Ap.1929. no.796.

Mr. John Gossweiler's plants from Angola and Portuguese Congo. Dicotyledones, Gamopetalae, by R.O.'D. Good. Journ. Bot. 67(Suppl.): 73-80. Ap.1929.

Salmon, C. E.
Notes on Melampyrum. Journ. Bot. 67: 105-107. Ap.1929. no.796.
Determinations by Dr. Ralph v. Soó.

Journ. Dept. Agr. So. Australia (Adelaide)

Scott, R. C.
Growth period of wheat. Journ. Dept. Agr. So. Australia. 32: 717-722. Mr.15, 1929. no.8.

Spafford, W.J.
The control of drifting sand. Journ. Dept. Agr. So.Australia. 32: 700-709. Mr.15, 1929. no.8.

Journ. For. (Wash., D. C.)

Boyce, J. S.
The future of forest parasites in the United States. Journ. For. 27: 138-142. F.1929. no.2.

Journ. Hered. (Wash., D.C.)

Blakeslee, A.F.
Cryptic types in Datura. Due to chromosomal interchange, and their geographical distribution. Journ. Hered. 20: 177-190. illus. Ap.1929. no.4.

Hoover, M.M.
Wheat-rye hybrids. Journ. Hered. 20: 171. illus. Ap.1929. no.4.

Love, H.H. & Craig, W.T.
A note on yellow fatuoids. Journ. Hered. 20: 172. Ap.1929. no.4.

Journ. Hered. (cont.)

Reddick, D.

The Drake potato introduction monument. Journ. Hered. 20: 173-176. illus. Ap.1929. no.4.

How the small city of Offenburg, Baden, happens to possess the only monument to the introducer of the potato.

Journ. Washington Acad. Sci.

Pittier, H. F.

Botanical notes on, and descriptions of, new and old species of Venezuelan plants. Journ. Washington Acad. Sci. 19: 175-186. My.4, 1929. no. 9.

Just. Liebigs Ann. Chem. (Berlin)

Wieland, H. & Oertel, G.

Ueber ein neues strychnus-alkaloid. I- Just. Liebigs Ann. Chem. 469: 193-216. Ap.19,1929. no.3.

Vomicin.

Leafl. Mycol. Research Div. Min. Agr. Egypt.

Fahmy,

The Fusarium disease of cotton (wilt) and its control. Leafl. Mycol. Research Div. Min. Agr. Egypt. 11. 16 p. 8 pl. 1929.

Leopoldinia. (Leipzig)

Hayes, H.K.

Breeding disease resistant varieties of small grains in Minnesota. Leopoldinia. 4: 250-262. 1929.

Stakman, E. G.

Physiologic specialization in plant pathogenic fungi. Leopoldinia. 4: 263-289. pl.3-7. 1929.

Practically the same as His "Racial specialization" &c. publ. in Mayo foundation lectures "Lectures on plant pathology and physiology".

Meded. Landbouwhoogesch. Wageningen.

Likhité, V.

Cytological aspects of the virus diseases in plants. Meded. Landbouwhoogesch. Wageningen. v.33, no.2. 12 p. 1929.

Meded. Landbouwhoogesch. Wageningen. (cont.)

Likhité, V.

The nature and relations of the intracellular inclusions present in the mosaic of tobacco. Meded. Landbouwhoogesch. Wageningen. v.33, no. 1. 30 p. 2 pl. 1929.

Causal organism considered to be an animalcule, Vacuolorium iwanowski, n.gen., n.sp.

Renkema, H. W.

Aylmer Bourke Lambert en zijn "Description of the genus Pinus". Meded. Landbouwhoogesch. Wageningen. v.32, no.8. 30 p. 1 pl. port. 1929.

Andere publicatie's van Lambert: p.29-30.

Wellensiek, S. J.

Pisum-crosses IV: The genetics of wax. Meded. Landbouwhoogesch. Wageningen. v.32, no.9. 27 p. 1929.

Mem. Dept. Agr. India. Bot.Ser.

Burns, W., Kulkarni, L.B. & Godbole, S.R.

Further studies of Indian grasses and grasslands. Mem. Dept. Agr. India Bot.Ser. 16: 101-143. 3 diagrs. 6 pl. D.1928. no.4.

Ramakrishna Ayyar, T.S.

Pythium aphanidermatum (Eds.) Fitz. on Opuntia dillenii, Haw. Mem. Dept. Agr. India Bot.Ser. 16: 191-201. diagrs. 3 pl. D.1928. no.7.

Shaw, F.J.F. & Das Bose, R.

Studies in Indian pulses. Mem. Dept. Agr. India Bot. Ser. 16: 159-189. illus 4 pl.(3 col.) D.1928. no.6.

1. Lentil (Ervum lens, Linn.)

Venkatraman, T.S. & Thomas, R.

Studies of sugarcane roots at different stages of growth. Mem. Dept. Agr. India Bot. Ser. 16: 145-157. 9 pl. (i.e. 10) Ja. 1929. no.5.

I. Early (germination) stages--period of Sett roots.

Missouri Bot. Gard. Bull. (St.Louis)

Species and varieties of phlox for Missouri gardens. Missouri Bot.Gard. Bull. 17: 58-63. illus. Ap. 1929. no.4.

Missouri Bot. Gard. Bull. (cont.)

Brodiaea volubilis, the snake lily. Missouri Bot. Gard. Bull. 17: 55-56. pl.13. Ap.1929. no.4.

Monatsschr. Deutsch. Kakteen-Ges. (Berlin)

Bödeker, F.

Coryphantha pseudechinus Böd. sp.n. Monatsschr. Deutsch. Kakteen-Ges. 1: 17-20. illus. Ja.1929. no.1.

Bödeker, F.

Echinocactus ritterii Böd. Monatsschr. Deutsch. Kakteen-Ges. 1: 52. F./Mr.1929. no.2/3.

Aztekium ritterii, n.gen., n.sp.

Bödeker, F.

Mamillaria roseoalba Böd., sp.nova. Monatsschr. Deutsch. Kakteen-Ges. 1: 87-88. illus. Ap.1929. no.4.

Gielsdorf, K.

Hoodia gordonii (Mass.) Sweet. Monatsschr. Deutsch. Kakteen-Ges. 1: 33-34. illus. F./Mr. 1929. no.2/3.

Poellnitz, K.v.

Standorte von Haworthia- und Apicra-arten. Monatsschr. Deutsch. Kakteen-Ges. 1: 38-41. F./Mr. 1929. no.2/3.

Schick, C.

Lithops optica var. rubra Tisch. und Lithops lericheana Dtr. et Schwantes. Monatsschr. Deutsch. Kakteen-Ges. 1: 43. col.pl. F./Mr.1929. no.2/3.

Schwantes, G.

Argyroderma N.E.Br. Monatsschr. Deutsch. Kakteen-Ges. 1: 27-32. illus. F./Mr.1929. no.1/3.

A.schlechteri n.sp.

Schwantes, G.

Corpuscularia Schwantes. Monatsschr. Deutsch. Kakteen-Ges. 1: 35-36. F./Mr. 1929. no.2/3.

Monatsschr. Deutsch. Kakteen-Ges.(cont.)

Schwantes, G.
Neue Mesembriaceen IV. Monatsschr. Deutsch. Kakteen-Ges. 1: 14-17. Ja.1929. no.1.
Hereroa nelii, Mitrophyllum marlothianum, Nelia schlechteri, N.robusta, n.sp., Schlechteranthus maximiliani n.gen. & n.sp.

Tischer, A.
Faucaria haagei, Tisch. spec.nov. Monatsschr. Deutsch. Kakteen-Ges. 1: 20-21. illus. Ja. 1929. no.1.

Werdermann, E.
Bilder Chilenischer kakteen und anderer sukkulenten. Monatsschr. Deutsch. Kakteen-Ges. 1: 44-48. illus. F./Mr. 1929. no.2/3.

Werdermann, E.
Eine neue greisinhauptähnliche Mamillaria aus Mexico. Monatsschr. Deutsch. Kakteen-Ges. 1: 77-79. illus. Ap.1929. no.4.
M.hahniana n.sp.

Mycologia.

Banker, H. J.
Notes on the Hydnaceae. Mycologia. 21: 145-150. My./Je. 1929. no.3.

Ciferri, R.
An easy method for the study of simple Hyphales in cultures. Mycologia. 21: 151-154. illus. My./Je.1929. no.3.

Harshberger, J. W.
An ancient Roman toadstool carved in stone. Mycologia. 21: 143-144. illus. My./Je.1929. no.3.

Hutchinson, W. G.
An undescribed species of Macrophoma and of Volutella occurring on Pachysandra terminalis. Mycologia. 21: 131-142. illus. My.Je.1929. no.3.
M. pachysandrae, V.pachysandrae.

Weber, G. F.
The occurrence of tuckahoes and Poria cocos in Florida. Mycologia. 21: 113-130. illus. pl.11. My./Je.1929. no.3.

Mycologia. (cont.)

Young, P.A.

Tabulation of Alternaria and Macrosporium. Mycologia. 21:155-166. My./Je.1929. no.3.

Nature Mag. (Wash., D.C.)

Nearing, G. G.

An invisible mushroom [Craterellus cornucopioides] Nature Mag. 13: 374. illus. Je. 1929. no.6.

The trumpet mushroom, a delicious edible fungus.

Nyt. Mag. Naturvidensk.

Braaten, R.

Alchemillaformer i opland fylke. Nyt Mag. Naturvidensk. 66: 1-52. illus., viii pl. 1928 (D.1926) (Rec'd Ap.1929)

Ekman, E.

Three new bicentric plants in the south of Norway. Nyt Mag. Naturvidensk. 66: 93-95. 1928 (S.5,1927) (Rec'd Ap.1929)

Braya glabella, Stellaria longipes, Draba wahlenbergii.

Holmboe, J.

Raevebjelden (Digitalis purpurea L.) og dens rolle i norsk natur og folkeliv. Nyt Mag. Naturvidensk. 66: 193-248. illus. map. 1928 (Mr.27,1928) (Rec'd Ap.1929)

Keissler, K.

Ueber die als pilze anzusehenden arten unter den Norman'schen moriolaceen. Nyt Mag. Naturvidensk. 66: 75-92. 1928 (Je.14,1927) (Rec'd Ap.1929)

Pleijel, C.

Några anteckningar om de norska samkönade valerianaformerna. Nyt Mag. Naturvidensk. 66: 97-102. illus. 1928 (S.5,1927) (Rec'd Ap.1929)

V. salina, V.excelsa x officinalis.

Rasmussen, R.

Festuca rubra L. var. fraterculae nov.var., a remarkable variety from the Faeroes. Nyt Mag. Naturvidensk. 66: 103-110. illus. 1928(N.26,1927) (Rec'd Ap.1929)

Obst- u. Gemüseb. (Berlin)

Ludwigs, K.
Kupferkalk- oder schwefelkalkbrühe?
Obst- u. Gemüseb. 75: 61-63. Ap.17,1929.
no.4.

Schaffnit, E. & Weber, H.
Versuche zur bekämpfung des wurzelälchens "Heterodera radicicola". Obst- u. Gemüseb. 75: 77-78. Ap.17, 1929.

Pamph. Canada. Dept. Agr.

MacLeod, D.J.
The black leg disease of potatoes. (Bacillus phytophthorus (Frank) Appel.) Pamph. Canada Dept. Agr. n.s., 105. 10 p. pl. i-iii. 1929.

Papers Mich. Acad. Sci. (cont. from List v.11, no.9)

Coons, G. H. & Strong, M. C.
New methods for the diagnosis of species of the genus Fusarium. Papers Mich.Acad. Sci. 9: 65-88. pl. xxxi. 1929.

Dale, E.E.
Inheritance of fruit-length in Capsicum. Papers Mich. Acad. Sci. 9: 89-110. pl. xxxii. 1929.

Emerson, S. H.
Chromosome configuration in a dwarf segregate from Oenothera "franciscana sulfurea". Papers Mich. Acad. Sci. 9: 117-120. pl. xxxiv. 1929.

Judson, J. E.
The floral development of the staminate flower of the cucumber. Papers Mich. Acad. Sci. 9: 163-168. pl. xxxviii-xl. 1929.

Kauffman, C. H.
A study of the fungous flora of the Lake Superior region of Michigan, with some new species. Papers Mich. Acad. Sci. 9: 169-218. illus. 1929.

Kenoyer, L. A.
Sand dune plants of Kalamazoo county, Michigan. Papers Mich. Acad. Sci. 9: 219-221. pl. xli-xlii. 1929.

Papers Mich. Acad. Sci. (cont.)

Kulkarni, C. G.
Meiosis in Oenothera franciscana. Papers Mich. Acad. Sci. 9: 223-226. pl. xliii. 1929.

LaRue, C.D.
The effect of environmental factors on the spore size of Pestalozzia guepini. Papers Mich. Acad. Sci. 9: 227-237. 1929.

LaRue, C.D.
The native habitat of the Pará rubber tree. Papers Mich. Acad. Sci. 9: 239-244. 1929.

McCrea, A.
A special reaction to light by the mycelium of Claviceps purpurea. Papers Mich. Acad. Sci. 9: 245-252. 1929.

Povah, A.H.
Some non-vascular cryptograms from Vermillion, Chippewa County, Michigan. Papers Mich. Acad. Sci. 9: 253-272. 1929.

Robinove, J.J. & LaRue, C.D.
The hydrogen ion concentration of the habitats of the bryophytes and pteridophytes of the Douglas Lake region. Papers Mich. Acad. Sci. 9: 273-286. 1929.

Sass, J.E.
A cytological study of a bispored form of Psalliota campestris. Papers Mich. Acad. Sci. 9: 287-298. pl. xliv-xlv. 1929.

Swartz, D.
Spore germination of Lycoperdon pyriforme. Papers Mich. Acad. Sci. 9: 299-304. pl. xliv. 1929.

Watson, E.E.
Contributions to a monograph of the genus Helianthus. Papers Mich. Acad. Sci. 9: 305-475. pl. xlvii-lxxxvi. 1929.

Woodcock, E. F.
Seed studies in Nyctaginaceae. Papers Mich. Acad. Sci. 9: 495-502. pl. xc-xci. 1929.

Pharm. Journ. (London)
Redgrove, H.S.
Some notes on gentian. Pharm. Journ. 122: 374-376. illus. Ap.20, 1929. no.3416.

Pharm. Zentralh. (Dresden)
Tröger, J.
Ueber die alkaloide der angosturarinde (cont.) Pharm. Zentralhl. 70: 229-234, 245-252. Ap.11, 18,1929. no.15,16.

Philipp. Journ. Sci. (Manila
Allen, R. N.
Photomicrographs of Philippine starches. Philipp. Journ. Sci. 38: 241-256. pl.1-10. F. 1929. no.2.

Gericke, W.F.
Some relations of maintained temperatures to germination and the early growth of wheat in nutrient solutions. Philipp. Journ. Sci. 38: 215-238. F.1929. no.2.

Phytopath. (Lancaster, Pa.)
Caruthers, R. S.
A scale for measuring areas of Ribes leaves. Phytopath. 19: 399-405. diagrs. Ap.1929(May) no.4.

Dean, A.L.
Root-observation boxes. Phytopath. 19: 407-412. illus. Ap.1929(May) no.4.

Freeman, E.M.
Mark Alfred Carlton, 1866-1925. Phytopath. 19: 321-325. port. Ap.1929(May) no.4.

Meinecke, E.P.
Experiments with repeating pine rusts. Phytopath. 19: 327-342. illus. Ap.1929(May) no.4.

Priode, C.N.
Pokkah-bong and twisted top diseases of sugar cane in Cuba. Phytopath. 19: 343-366. illus., 1 col.pl. Ap.1929(May) no.4.

Phytopath. (cont.)

Ramsey, G.B. & Bailey, A.A.
The development of soil rot of tomatoes during transit and marketing. Phytopath. 19: 383-390. illus. Ap.1929(May) no.4.

Sideris, C. P.
Rhizidiocystis ananasi Sideris, nov.gen. et sp., a root hair parasite of pineapples. Phytopath. 19: 367-382. illus. Ap.1929(May) no.4.

Weston, W.H., jr.
The occurrence of Sclerospora graminicola on maize in Wisconsin. Phytopath. 19: 391-397. Ap.1929(May) no.4.

Plant. & Sugar Manuf. (New Orleans)

Davis, R.L.
Sugar cane fuzz viability and December rainfall. Plant. & Sugar Manuf. 82: 343-344. My.4,1929. no.18.

Jeswiet, J.
The flowering of sugar cane. Plant. & Sugar Manuf. 82: 344-345. My.4, 1929. no.18.

Prakt. Blätt. Pflanzenb. u. Pflanzensch. (Freising)

Dorff, G. & Böning,
Bericht über das auftreten von krankheiten und schädlingen im obst- und gartenbau im jahre 1928. Prakt. Blätt. Pflanzenb. u. Pflanzensch. 29: 15-19. Ap.1929.

Korff, G.
Die prüfung von bekämpfungsmitteln gegen die krankheiten des hopfens im jahre 1928. Prakt. Blätt. Pflanzenb. u. Pflanzensch. 29: 8-14. Ap.1929.

Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926.

Allen, C.E.
Influences determining the appearance of sexual characters. Proc. Intern. Congr. Plant Sci. [4th] Ithaca,1926. 1: 333-343. 1929.

Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. (cont.)

Blackburn, K.B.
On the occurrence of sex chromosomes in flowering plants with some suggestions as to their origin Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1:299-306. vi pl. 1929.

Blakeslee, A. F.
An attempt to analyze the composition of nubbin, a compound (2n+1) chromosomal type in Datura. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1: 831-832. 1929.
Abstract.

Borza, A.
Beiträge zur kenntnis der probleme der insular floren und vegetationen. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1:655-662. 1929.

Buchanan, R.E.
The present status of bacterial taxonomy and nomenclature. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1: 195-201. 1929

Buchholz, J.T.
The embryogeny of the conifers. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1: 359-392. illus. 1929.

Cappalletti, C.
The bacteroid-like form and immunity in leguminous plants. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1: 59-60. 1929.

Chamberlain, C.J.
An evaluation of the structural evidence for genetical relationships in plants. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1: 473-480. 1929.

Chodat, R.
Some facts of morphological continuity as shown by a comparison of fossil and living plants. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1: 487-496. 1929.

Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926 (cont.)

Cleland, R. E.
Meiosis in the pollen mother cells of the Oenotheras, and its probable bearing upon certain genetical problems. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1: 317-331. illus. 1929.

Conzatti, C.
Las regiones botanico-geograficas del estado de Oaxaca. Proc. Intern. Congr. Plant Sci.[4th] Ithaca, 1926. 1: 525-539. 1929.

Cowles, H. C.
The succession point of view in floristics. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1: 687-691. 1929.

Domin, K.
Some problems of plant ecology. Proc. Intern. Congr. Plant Sci. [4th] Ithaca,1926. 1: 497-524. illus. 1929.

Du Rietz, G. E.
Factors controlling the distribution of species in vegetation. Proc. Intern. Congr. Plant Sci. [4th] Ithaca,1926. 1: 673-686. 1929.

Du Rietz, G. E.
The fundamental units of vegetation. Proc. Intern. Congr. Plant Sci. [4th] Ithaca,1926. 1: 623-627. 1929.

Eames, A. J.
The role of flower anatomy in the determination of angiosperm phylogeny. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1: 423-427. 1929.

East, E. M.
The concept of the gene. Proc. Intern. Congr. Plant Sci. [4th] Ithaca,1926. 1: 889-895. 1929.

Eyster, W. H.
The bearing of variegations on the nature of the gene. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1: 923-941. 1929.

Florin, R.
Paleozoic conifers. Proc. Intern.Congr. Plant Sci. [4th] Ithaca, 1926. 1: 401-411. 1929.
Lecrosia, Ernestia, Pseudovoltzia, new gen.

Gleason, H. A.
Plant associations and their classification: a reply to Dr. Nichols. Proc. Intern. Congr. Plant Sci. [4th] Ithaca,1926. 1: 643-646. 1929.

Harper, R. A.
The nature and functions of plastids especially elaioplasts. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1: 311-316. 1929.

Hayes, H. K.
Breeding disease resistant varieties of crop plants. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1: 137-148. 1929.

Heilborn, O.
Chromosome numbers and taxonomy. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1: 307-310. 1929.

Holbert, J.R. & Dickson, J. G.
The development of disease-resistant strains of corn. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1: 155-159. 2 pl. 1929.

Hoyt, W. D.
The periodic fruiting of Dictyota and its relation to the environment. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1: 393-400. 1929.

Huguet del Villar, E.
Sur la méthode et la nomenclature employées dans mon etude géobotanique de l'Espagne. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1: 541-564. 1929.

Hutchinson, J.
The phylogeny of flowering plants. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1: 413-421. illus. 1929.
See also at end of List.

Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. (cont.)

Malinowski, E.
A case of linkage of a higher order. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1: 833-836. 1929.

Muller, H. J.
The gene as the basis of life. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1:897-921. illus. 1929.

Nemec, B.
The mechanism of mitotic division. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1: 243-249. 1929.

Nichols, G. E.
Plant associations and their classification. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1: 629-641. 1929.

Palmgren, A.
Chance as an element in plant geography. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1: 591-602. 1929.

Pearsall, W. H.
Dynamic factors affecting aquatic vegetation. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926, 1:667-672. 1929.

Rübel, E.
The present state of the geobotanical research in Switzerland. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1: 603-621. illus. 1929.

Savastano, G.
Preliminary experiments in self- and inter-fertility of Pistacia. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1:815-820. 1929.

Sax, K.
The cytology of Triticum in relation to genetics Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1: 345-350. 1929.

Seifriz, W.
Protoplasmic structure. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1: 251-258. 1929.

Sernander, R.
The warm postglacial period and the postglacial climatic deterioration of northern Europe. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1: 663-666. 1929.

Shull, G. H.
Species hybridizations among old and new species of shepherd's purse. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1:837-888. illus. 1929.

Sirks, M. J.
Multiple allelomorphs versus multiple factors. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1:803-814. 1929.

Skottesberg, C.
Plant communities of the Juan Fernandez Islands. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1:565-574. 1929.

Svedelius, N.
An evaluation of the historical evidences for genetic relationships in plants: algae. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1: 457-471. 1929.

Svedelius, N.
On the number of chromosomes in the two different forms of Ectocarpus virescens Thuret. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1: 259-264. 1929.

Szafer, W.
The climatic character of the last interglacial period in Europe. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1:647-653. maps 1929.

Tansley, A. G.
Succession: the concept and its values. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1: 677-686. 1929.

Taylor, W. R.
Chromosome structure in mitosis and meiosis. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1: 265-270. illus., pl. 1929.

Thompson, R. B.
Vascular anatomy and paleobotany. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1:481-485. 1929.

Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. (cont.)

Tischler, G.
Untersuchungen über die cytologie pflanzlicher species-bastarde mit gleichen chromosomen-zahlen der eltern. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1:821-830. 1929.

Toumey, J. W.
Initial root habit in American trees and its bearing on regeneration. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1:713-728. illus. 3 pl. 1929.

Toumey, J. W.
The vegetation of the forest floor; light versus soil moisture. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1:575-590. illus., 1 pl. 1929.

Waksman, S. A.
Energy utilization and carbon assimilation of autotrophic bacteria. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1: 203-210. 1929.

Went, F. A. F. C.
Morphological and histological peculiarities of the Podostemonaceae. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1: 351-358. 1929.

Went, F. A. F. C.
Plant movements. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1: 1-12. 1929.

Wieland, G. R.
Antiquity of the angiosperms. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1: 429-456. illus., v.pl. 1929.
See also at end of List.

Proc. Nat. Acad. Sci.

Goodspeed, T. H., and Avery, P.
The occurrence of chromosome variants in Nicotiana alata Lk. et Otto. Proc. Nat. Acad. Sci. 15:343-345. Ap.1929. no.5.

Proc. Roy. Soc. Victoria. (Melbourne)

Barrett, A. O.
The diurnal and annual fluctuations of temperature in the interior of a large tree. Proc. Roy. Soc. Victoria 41: 32-44. S.27,1928, pt.1.

Ewart, A. J.
Contributions to the flora of Australia, no.35. The naturalized aliens of Victoria. Proc. Roy. Soc. Victoria 41: 59-62. S.27,1928.

Progr. Agr. & Vitic. (Montpellier)

Buchet, G., and Courtois, G.
La destruction des chiendents par la sylvinite. Progr. Agr. & Vitic. 91: 402-406. Ap.28,1929. no.17.

Repert. Spec. Nov. Fedde (Berlin)

Aellen, P.
Beitrag zur systematik der Chenopodiumarten Amerikas, vorwiegend auf grund der sammlung des United States National Museum in Washington, D.C. Repert. Spec. Nov. Fedde 26:31-64. Mr.5,1929. no.703/708.

Becker, W.
Eine neue viola-art aus Peru. Repert. Spec. Nov. Fedde 26: 25. Mr.5,1929. no.703/708.
Viola weddellii.

Becker, W.
Zwei neue viola-arten aus Südostasien. Repert. Spec. Nov. Fedde 26: 25-26. Mr.5,1929. no.703/708.
Viola uncernii, Viola nuda.

Eig, A.
Zwei neue gramineengattungen von der Ventenata-gattung gesondert. Repert. Spec. Nov. Fedde 26 (Repert. Europ. & Med. 2,27/28):65-79. Mr.5,1929. no.703/708.
Pilgerochloa, Guadinopsis.

Grosset, H.
Viola tanaitica spec. nov. Repert. Spec. Nov. Fedde 26(Repert. Europ. & Med. 2, 27/28): 80-81. Mr.5,1929. no.703/708.

Gusuleac, M.
Zur nomenklatur der Anchusa officinalis Linné und A. italica Retz. Repert. Spec. Nov. Fedde 26(Repert. Europ. & Med. 2,27/28):81-84. Mr.5,1929. no.703/708.

Krascheninnikov, H(I). M.
Compositae Asiae mediae et orientalis novae. Repert. Spec. Nov. Fedde 26: 26-31. Mr.5,1929. no.703/708.

Repert. Spec. Nov. Fedde (cont.)

Krösche, E.
Nochmals Epipactis viridiflora auct.(em.) f. acutiflora Krösche. Repert. Spec. Nov. Fedde 26(Repert. Europ. & Med. 2,27/28):88-92. Mr.5, 1929. no.703/708.

Poellnitz, K. von
Afrikanische sukkulenten. Repert. Spec. Nov. Fedde 26:20-24. Mr.5,1929. no.703/708.
Species of Anacampseros & Haworthia

Warburg, O., and Eig, A.
Callitriche naftolskyi spec. nov. Repert. Spec. Nov. Fedde 26(Repert. Europ. & Med. 2, 27/28): 84-87. Mr.5,1929. no.703/708.

Wimmer, F. E.
Studien zu einer monographie der lobelioideen (Lobelioïdeae IV). Repert. Spec. Nov. Fedde 26: 1-20. pl. lxxi-lxxii. Mr.5,1929.

Repert Spec. Nov. Beih. (Dahlem)

Dinter, K.
Sukkulentenforschung in Südwestafrika 2. teil. Erlebnisse und ergebnisse meiner reise in den jahren 1923 bis 1925. Repert. Spec. Nov. Beih. v.53. 145 p. incl. map. 2 pl. 1928 (Rec'd Ap.1929)

Eig, A.
Monographisch-kritische uebersicht der gattung Aegilops. Repert. Spec. Nov. Beih. 55. 228 p. 15 pl., maps. F.15,1929.

Gorz, R.
Salix silesiaca Willd. und ihre hybriden. Repert. Spec. Nov. Beih. v.52. 149 p. 4 pl. Jl.1928(Rec'd Ap.1929)

Peter, A.
Flora von Deutsch-Ostafrika. Zusammenstellung der in Deutsch-Ostafrika beobachteten farnartigen gewächse und blütenpflanzen mit literatur-nachweisen auf der erde und bestimmungstabellen. lfg. 1 144 p. F.1929. (Repert Spec. Nov. Fedde. Beih. v.40, pt.1)
Plantarum novarum Africae orientalis (generum, specierum, varietatum) in hoc volumine enumeratarum descriptiones: 16 p. at end with 10 pl.

V.11, no.10, p.36.

Repert Spec. Nov. Beih. (cont.)
Schindler, A. K.
Die desmodiinen in der botanischen literatur nach Linné. lfg.2. Repert. Spec. Nov. Beih. v.49, pt.2. p.161-371. N.1928(Rec'd Ap.1929)

Rep. Agr. Dept. Dominica
Briton-Jones, H. R.
Report on lime root diseases. Rep. Agr. Dept. Dominica 1927/28: 3-11. 1929.

Rep. North. Nut Grow. Assoc.
Morris, R. T.
Edible acorns as food for man, livestock and fowls. Rep. North. Nut Grow. Assoc. 18(1927): 35-43. [1928?]

Zimmerman, G. A.
Further experiments in induces immunity to chestnut blight. Rep. North. Nut Grow. Assoc. 18(1927): 80-91. [1928?]

Res. Bull. Coll. Exp. For. Coll. Agr. Hokkaido Imp. Univ. Sapporo, Japan.
Tatewaki, M.
A list of plants collected in the Teshio University experimental forest. (I) Res. Bull. Coll. Exp. For. Coll. Agr. Hokkaido Imp. Univ. Sapporo, Japan 5:(1)-(48). 4 pl. 1928.

Tatewaki, M.
The vegetation of Mt. Apoi, Prov. Hidaka. Res. Bull. Coll. Exp. For. Coll. Agr. Hokkaido Imp. Univ. Sapporo, Japan 5:(49)-(136). 5 pl. 1928.

Rev. Agr. Com. y Trab. Cuba (Habana)
Gravier, G.
El Prof. Mr. F. S. Earle. Agr. Com. y Trab. 10:59-60. port. Ap. 1929. no.10.

Rev. Bot. Appl. (Paris)
Belime, E.
La situation actuelle de la culture cotonnière en A. O. F. (cont.) Rev. Bot. Appl. 9:107-120. maps F.1929. no.90.

Chevalier, A.
L'origine botanique et l'amélioration des arachides cultivées. Rev. Bot. Appl. 9:97-102. F.1929. no.90.

Rev. Bot. Appl. (cont.)

Estève, L.
Quelques plantes fourragères au Bresil. (cont.)
Rev. Bot. Appl. 9:102-106. F.1929. no.90.
Paspalum scoparium.

Rev. Bretonne Bot. (Rennes)

Daniel, L.
Études sur la greffe. (cont.) Rev. Bretonne Bot. 1928: 561-720. illus., pl.vi-x. 1929. no.2.
Structures du bourrelet; variations des capacités fonctionnelles, à la suite de la décapitation, du boutourage et du greffage; structure et morphologie externe des symbiotes.

Daniel, L.
Influence du milieu extérieur sur la floraison de certaines espèces au bord de la mer. Rev. Bretonne Bot. 1928: 69-71. 1929. no.2.

Larvaron,
Recherches radiotelluriques sur les plantes cultivées. Rev. Bretonne Bot. 1928: 78-88. 1929. no.2.

Popesco, C. T.
Une loi biologique chez les greffes de solanacées. Rev. Bretonne Bot. 1928: 72-74. 1929. no.2.

Rev. Hort. (Paris)

Guillaumin, A.
Les cactées, principales espèces(cont.) Rev.Hort. 101: 404-405. illus. Ap.16,1929.

Lesourd, F.
Les plus gros arbres de France I. Feuillus(cont.) Rev. Hort. 101: 400-402. illus. Ap.16,1929. no.16.

Rev. Path. Veg. & Entom. Agr. (Paris)

Savulescu, Th and Rayss, T.
Une maladie du Pinus pumilo dans les Carpathes. Rev. Path. Veg. & Entom. Agr. 16:65-68. F.1929. no.2.
Neopeckia coulteri.

Science (Lancaster, Pa.)

Camp, W. H.
Glutathione in plants. Science 69:458. Ap. 26,1929. no.1791.
In sunflower,arum and corn.

Science. (cont.)

The influence of lead compounds on cell division. Science v.69, no.1791. Suppl. p.xii. Ap.26,1929.

Longley, W. H.

A note upon the probable mode of evolution. Science 69: 462-465. My.3,1929. no.1792.

Scient. Agr. (Ottawa)

Goulden, C. H., and Neatby, K. W.

A study of disease resistance and other varietal characters of wheat - application of the analysis of variance, and correlation. Sci. Agr. 9: 575-586. My.1929. no.9.

Harris, G. H.

Studies on the tree root activities. Sci. Agr. 9: 553-565. incl. plates. My.1929.

I. An apparatus for studying root respiration and factors which influence it.

Vigor, S. H.

Chemical weed killers. Sci. Agr. 9: 587-593. My. 1929. no.9.

Sitzungsb. Preuss. Akad. Wiss. (Berlin)

Haberlandt. G. von

Die lage des zellkerns in der eizelle der angiospermen und ihre physiologische bedeutung. Sitzungsb. Preuss. Akad. Wiss. 1928: 450-456. illus. 1928. no.24.

South African Gard. (Johannesburg)

Bolus, L.

Oophytum oviforme, N. E. Br. Oophytum (?) nanum, L. Bolus. South African Gard. 19: 121. illus. (1 col.) Ap.1929. no.4.

Memsembryanthemum nanum placed visionally under Oophytum.

Bolus, L.

Plants, new and noteworthy. A. Hebea unguiculata, L. Bolus. B. Tritoniopsis lesliei, L. Bolus. C. Cyrtanthus leucanthus, Schltr. South African Gard. 19: 123. illus. Ap.1929.

Drayton, F. L.

Common bulb diseases(cont.) South African Gard. 112-113. illus. Ap.1929.

Torreya.

Brown, C. A.
Development of the vegetation inside the levee following the high water of 1927. Torreya 29: 32-37. illus. Mr./Ap.1929. no.2.

Taylor, N.
The Botanical garden at Rio de Janeiro. Torreya 29:25-31. illus. Mr./Ap.1929. no.2.

Tehon, L. R.
The present range of Potamogeton crispus L. in North America. Torreya 29:42-46. map Mr./Ap. 1929. no.2.

Trans. Amer. Micros. Soc. (Urbana, Ill.)

Beck, W. A.
Determining the osmotic value at incipient plasmolysis. Trans. Amer. Micros. Soc. 48:204-208. Ap.1929. no.2.

Smith, G. M., and Klyver, F. D.
Draparnaldiopsis, a new member of the algal family Chaetophoraceae. Trans. Amer. Micros. Soc. 48:196-201. illus., pl.xxv. Ap.1929. no.2.
D. alpinis, n. sp.

Tropenpfl. (Berlin)

Langer, A.
Erfahrungen mit tropischen und subtropischen futterpflanzen. (concl.) Tropenpfl. 32:147-169. illus. Ap.1929. no.4.

Trop. Agriculture West Indies. (Trinidad)

Ashby, S. F.
Gumming diseases of sugar cane. Trop. Agriculture West Indies 6:135-138. My.1929. no.5.

Edwards, D. C.
Sierra Leone grasses. Trop. Agriculture West Indies 6:141-144. My.1929. no.5.

Die Umschau (Frankfurt)

Bronsart, H. von
Erbliche symbiose. Die Umschau 33:313-317. illus. Ap.20,1929. no.16.
Pavetta tomentosa, an East Indian bush with bacterial galls in the leaves.

U. S. Dept. Agr. Techn. Bull.

Boyce, J. S.
Deterioration of wind-thrown timber on the Olympic Peninsula, Wash. U. S. Dept. Agr. Techn. Bull. 104. 28 p. pl. F.1929.

Univ. Calif. Publ. Bot. (Berkeley, Calif.)

Setchell, W. A.
The genus Microdictyon. Univ. Calif. Publ. Bot. 14:453-588. illus. Ap.19,1929. no.20.

Setchell, W.B.
Morphological and phenological notes on Zostera marina L. Univ. Calif. Publ. Bot. 14:389-452. illus. Ap.19,1929. no.19.

Univ. Colorado Stud. (Boulder)

Ramaley, F.
Botany of the San Luis Valley in Colorado. Univ. Colorado Stud. 17:27-44. illus. (maps.) 2 pl. My. 1929. no.1.

Exper. Stat. Publ.

McMurtrey, J. E. Jr.
Effect of the mosaic disease on yield and quality of tobacco, with suggestions for control. Maryland Agr. Exp. Stat. Bull. 302. p.147-158. illus. D.1928.

Arny, A. C., Hansen, M.C., Hodgson, R.E., and Nesom, G.H.
Reed canary grass. Minnesota Agr. Exp. Stat. Bull. 252. 19 p. illus. Mr.1929.

New Jersey agricultural experiment station - Dept. of plant pathology.
Diseases of Gladiolus. Nursery Dis. Notes N.J. Agr. Exp. Stat. v.1, no.9. 4 p. Mr.1929.
Mimeographed.
Reprinted in Flor. Exch. with illus. v.70, no.14, p.9.

New Jersey agricultural experiment station - Dept. of plant pathology.
Progress with Rhododendron wilt. Nursery Dis. Notes N.J. Agr. Exp. Stat. v.1, no.8. 4 p. F.1929.
Mimeographed.

Poole, R. F., and Schmidt, R.
The nematode disease of sweet potatoes. North Carolina Agr. Exp. Stat. Bull. 265. 16 p. illus. Ap.1929.

Tilford, P. E.
Ohio potato diseases. Ohio Agr. Exp. Stat. Bull. 432. 38 p. illus. Mr.1929.

Exper. Stat. Publ. (cont.)

Brown, G. G.
Pollination study of the Anjou pear in Hood River Valley. Oregon Agr. Exp. Stat. Bull. 239. 15 p. illus. Mr.1929.

Cilkey, H. M.
The most important noxious weeds of Oregon. Oregon Agr. Coll. Extens. Serv. Extens. Bull. 412. 56 p. illus. Ap.1929.

Finnell, H. H.
Control of common sorghum diseases. Panhandle Bull. Agr. Exp. Stat. Goodwell, Okla. 5: 10-12. My.1929.

Godkin, J.
Four major tobacco diseases in Virginia and their control. Virginia Agr. & Mech. Coll. & Polytechnic Inst. Extens. Div. Bull. 110. 14 p. illus. D.1928.
Wildfire and blackfire, drought spot, mosaic.

State Publications.

Christensen, B. V.
Some drug plants in Florida. Bull. Dept. Agr. Florida n.s. 14. 28 p. illus. Ja.1929.

New Books

Canabaeus, L.
Ueber die heterocysten und gasvakuolen der blaualgen und ihre beziehungen zueinander. Unter besonderer berücksichtigung der gattung Anabaena. Jena, G. Fischer, 1929 (Pflanzenforschung hrsg. von R. Kolkwitz. heft 13)

Hamblin, S. F.
American rock gardens. N.Y. Judd, 1929.

Hara, S.
Jitsuyo katsuye byochugai haten [A thesaurus of plant diseases] 1928
Japanese.

MacDougal, D.T., Overton, J.B. & Smith, G. M.
The hydrostatic-pneumatic system of certain trees: movement of liquids and gases. Washington, 1929 (Carnegie Inst. Publ. 397)

New Books. (cont.)

Michotte, F.
Les Hibiscus (ketmie). Culture et exploitation. Paris, 1928. (Bull. Soc. Propagande Colon. no.3/6)

Preston, I.
Garden lilies. N.Y., O. Judd, 1929.

West Indies. Imperial dept. of agriculture.
Sugar-cane experiments in the Leeward Islands. Report on experiments with varieties of sugar-cane conducted in Antigua and Montserrat in the season 1927-28. 18 p. [1928]

Translations filed in Library of Bur. of Plant Industry.

Averna-Saccá, R.
O "brusone" do arroz. (The "brusone disease" of the rice.) Bol. Agr. Sao Paulo 13:291-302. illus. Ap.1912.

Voglino, P.
Ricerche intorno alla malattia del riso conosciuta col noma di brusone. (Studies of the rice disease called "brusone".) Ann. R. Accad. Agr. Torino 1897 40:143-146. 1898.

Correction

List v.11, no.9, p.13.

Industr. & Engin. Chem. entries should read 1(Anal. ed.)

Omitted from Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926 (p.30)

Kiesselbach, T. A.
Varietal, cultural and seasonal effect upon the water requirement of crops. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1: 87-105. pl. 1929.

Lehmann, E.
Ueber reziproke bastarde. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1: 787-801. illus.1929.

Leighty, C.E.
Breeding wheat for disease resistance. Proc. Intern. Congr. Plant. Sci. [4th] Ithaca, 1926. 1: 149-153. fold. tab.1929.
For resistance to Puccinia triticina.

V.11, no.10, p.43.

Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926 (cont.)

Levine, M.

Cytological studies on irradiated tissues, I. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1: 271-297. 7 pl. 1929.

I. The influence of radium emanation on the microsporogenesis of the lily.

Love, H.H.

The place of statistics in the interpretation of experimental results. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926. 1: 55-58. 1929.

Smith, E.F.

Fifty years of pathology. Proc. Intern. Congr. Plant Sci. [4th] Ithaca, 1926 1: 13-46. xxxii pl. (ports.) 1929.

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C

Vol. 11, no. 11. May 13-25, 1929.

Agr. Journ. India. (Calcutta)

Krishnamurthi Rao, K.
Factors influencing the growth and sugar contents of cane. Agr. Journ. India. 24: 91-101. pl. x-xi. Mr.1929. no.2.

Mitra, S.K. and Phukan, L.N.
Effects of hydrogen-ion concentrations on rice cultures. Agr. Journ. India. 22: 109-116. Mr.1929. no.2.

Turner, A.J.
Cotton seeds: their absorption of water, and specific gravity. Agr. Journ. India. 24:83-90. Mr.1929. no.2.

Amer. Fern. Journ.

Anderson, W.A., jr.
More ferns of the vicinity of Irvine, Kentucky. Amer. Fern. Journ. 19: 58-59. Ap./Je.1929. no.2.

Brame, J.W.
Ferns of New Zealand. Amer. Fern. Journ. 19: 51-55. Ap./Je.1929. no.2.

Dobbie, H.B.
A forest of forked tree ferns. Amer. Fern Journ. 19: 41-44. illus. Ap./Je.1929. no.2.
Near Opetiki, N.Z.

Kittredge, E.M.
A new maidenhair. Amer. Fern Journ. 19: 56. illus. Ap./Je.1929. no.2.
Adiantum pedatum f. billingsae.

Maxon, W.R.
New tropical American ferns - VI. Amer. Fern. Journ. 19: 44-48. Ap./Je.1929. no.2.

Amer. Fern Journ. (cont.)

Saunders, W.E.
Ferns by the Georgian Bay. Amer. Fern Journ. 19: 49-51. Ap./Je.1929. no.2.

Wynd, F.W.
The ferns of Crater Lake national park. Amer. Fern Journ. 19: 37-41. Ap./Je.1929. no.2.

Amer. Journ. Bot.

Bodenberg, E.T.
Lateral transfer of lithium nitrate in Salix. Amer. Journ. Bot. 16: 229-237. illus. Ap.1929. no.4.

Camp, W.H.
Catalase activity and sex in plants. Amer. Journ. Bot. 16: 221-224. Ap.1929. no.4.

Hotson, J. W.
Papulospora atra n.sp. Amer. Journ. Bot. 16: 219-220. pl.xviii. Ap.1929. no.4.

Jenkins, J.A.
Chromosome homologies in wheat and Aegilops. Amer. Journ. Bot. 16: 238-245. illus. Ap.1929. no.4.

Munz, P.A.
Studies in Onagraceae III. A revision of the subgenera Taraxia and Eulobus of the genus Oenothera. Amer. Journ. Bot. 16: 246-257. Ap.1929. no.4.

Lepeschkin, W.W.
The protective action of some substances on protoplasm. Amer. Journ. Bot. 16: 207-218. Ap.1929. no.4.

McDougall, W.B. & Glasgow, O.E.
Mycorhizas of the Compositae. Amer. Journ. Bot. 16: 225-228. Ap.1929. no.4.

Rydberg, P.A.
Genera of North American Fabaceae. VI. Astragalus and related genera. Amer. Journ. Bot. 16: 197-206. pl. xv-xvii. Ap.1929. no.4.

Amer. Nat.

Clausen, R.E., and Lammerts, W.E.
Interspecific hybridization in Nicotiana. X. Haploid and diploid merogony. Amer. Nat. 63: 279-282. illus. My./Je.1929. no.686.

Hayes, H.K. & Brewbaker, H.E.
Linkage studies of factor pairs for normal vs. glossy seedlings and flinty vs. floury endosperm in maize. Amer. Nat. 63: 229-238. My./Je. 1929. no.686.

Ann. Sci. Agron. (Paris)

François, L.
Les semences des plantes adventices dans les céréales. Ann. Sci. Agron. 46: 176-187. illus. Mr./Ap.1929. no.2.

Arb. Landwirtschaftskam. Prov. Brandenb. (Berlin)

Ludwigs, K.
Krankheiten und schädlinge des beerenobstes. Arb. Landwirtschaftskam. Prov. Brandenb. 69: 35-50. 1928. (Rec'd 1929)

Arch. voor Cacao.

Heurn, W.C.van, jr.
Der veroozakers der Loranthus-plaag op Java. Arch. voor Cacao. 3: 108-110. D.1928 (Rec'd My.1929)

Atti R. Accad. Naz. Lincei VI, Rend. Cl. Sci. Fis. Mat. e Nat. (Rome)

Mezzadroli, G. & Vareton, E.
Azione esercitata da un circuito metallico oscillante sulla germinazione dei semi. Atti R. Accad. Naz. Lincei VI, Rend. Cl. Sci. Fis. Mat. e Nat. 9: 350-354. F.17, 1929. no.4.

Petri, L.
Comportamento dell'olivo sotto l'influenza delle radiazioni dell' uranio e della ionizzazione dell' aria. Atti R. Accad. Naz. Lincei VI, Rend. Cl. Sci. Fis. Mat. e Nat. 9:188-189. F.3,1929. no.3.

Biochem. Journ. (London)

Barton-Wright, E.C. & Boswell, J.G.
The biochemistry of dry-rot in wood. Biochem. Journ. 23: 110-114. 1929. no.1.

Biochem. Journ. (cont.)

Bish, E.J.B.
The determination of small quantities of starch in vegetable tissue. Biochem. Journ. 23: 31-34. 1929. no.1.

Clenshaw, E. & Smedley-Maclean, I.
The nature of the unsaponifiable fraction of the lipoid matter extracted from green leaves. Biochem. Journ. 23: 107-109. 1929. no.1.

Robertson, A. & Robinson, R.
Note on the characterisation of the anthocyanins and anthocyanindins by means of their colour reactions in alkaline solutions. Biochem. Journ. 23: 35-40. 1929. no.1.

Biochem. Zeitschr. (Berlin)

Prianischnikow, D.
Zur frage nach der ammoniakernährung von höheren pflanzen. Biochem. Zeitschr. 207: 341-349. Ap.13, 1929. no.4/6.

Scheunert, A.
Beitrag zum vitamingehalt der wiesen- und weidegräser. Biochem. Zeitschr. 207: 447-457. Ap.13, 1929. no.4/6.

Biol. Zentralbl. (Leipzig)

Fischer, M.
Ergebnisse der spaltöffnungsforschung an fruchten. Biol. Zentralbl. 49: 231-251. illus. 1929. no.4.

Haberlandt, G.
Ueber "mitogenetische strahlung." Biol. Zentralbl. 49: 226-230. 1929. no.4.

Sewertzowa, L.B.
Zur frage nach den mitogenetischen strahlen. Ueber den einfluss der mitogenetischen strahlen auf die vermehrung der bakterien. Biol. Zentralbl. 49: 212-225. 1929. no.4.

Bol. Min. Agr. Industr. e Comm. Brazil. (Rio de Janeiro)

A exploração da castanha do Pará. Bol. Min. Agr., Industr. e Comm. Brazil. 17(2): 883-930. illus., map. D.1928 (Rec'd My.1929) no.6.
Brazil nut (Bertholletia excelsa)

Botaniste. (Paris)

Daniel, L.

Résistance au froid des descendants de l'Artemisia absinthium greffée sur le Chrysanthemum frutescens. Botaniste. 20: 255-257. pl. xii. Ap.1929. no.6.

Eftimiu, P.

Remarques sur la karyokinèse de quelques Ascomycètes. Botaniste. 20: 228-237. Ap. 1929. no.6.

Richard, J.

La vie des Fucus au contact de l'eau douce. Botaniste. 20: 209-227. illus. Ap.1929. no.6.

Bulet. Grad. Bot. Univ. Cluj. (Roumania)

Borza, A.

Schedae ad floram Romaniae exsiccatam a Museo botanico Universitatis Clusiensis editam Centuria VIII-IX. Bulet. Grad. Bot. Univ. Cluj. 8: 96-151. 1928. no.2/4. (Rec'd My.1929)

Nyárády, E.J.

Adnotatiuni la flora Românei. III. Două Potentile noui din Dobrogea. Bulet. Grad. Bot. Univ. Cluj. 8: 87-95. illus. 1928 (Rec'd My.1929.) no.2/4.

German résumé,

P.emilii popi, P.tauriciformis, n.sp.

Nyárády, E.J.

Studiu preliminar asupra unor specii de Alyssum din sectia Odontarrhena (Vorstudium über einige arten der section Odontarrhena der gattung Alyssum). Bulet. Grad. Bot. Univ. Cluj. 8: 152-156. illus. 1928. no.2/4. (Rec'd My.1929)

Zahn, C.H.

Hieracia transsilvanica a cl. E.I. Nyárády in montibus Rătezatensibus et in regionibus adjecentibus lecta (cumm nonnullis aliis montium Carpatorum et Bihariae). Bulet. Grad. Bot. Univ. Cluj. 8: 33-86. 1928 (Rec'd My.1929) no.2/4.

Bull. Agence Gén. Colon. France. (Paris)
Heim de Balsac, F., Deforge, A. & Lefévre, L.
Contribution a l'étude des écorces tannifères de la Guyana française. Bull. Agence Gén. Colon. France. 22: 340-342. Apr.1929. no.243.

Bull. Dept. Agr. Bombay. (Poona)
Cheema, G.S. & Bhat, S.S.
The die-back disease of citrus trees and its relation to the soils of western India. Bull. Dept. Agr. Bombay. no.155, 1928. 48 p. 11 pl., map. 1929.

Bull. For. Dept. So. Africa.
Keet, J.D.M.
Treeplanting in Orange Free State, Griqualand west, Bechuanaland and north-eastern districts of the Cape Province. Bull. For. Dept. So. Africa. 24. 115 p. 6 pl. 1929.

Bull. For. Dept. West. Austr.
Maiden, J.H., & Blakely, W.F.
Descriptions of fifty new species and six varieties of western and northern Australian acacias and notes on four other species. Bull. For. Dept. West. Austr. no.41. 36 p. xxii pl. 1928 (Rec'd Mr.1929).
Reprinted from Journ. & Proc. Roy. Soc. West. Australia. v.13.

Bull. For. Exp. Stat. Univ. Idaho.
Hubert, E.E.
The cause and control of decay in buildings. Bull. For. Esp. Stat. Univ. Idaho. no.2. 26p. illus. Ja.1929 (Univ. Idaho bulletin v.24, no.2)

Bull. Misc. Inform. Kew. (London)
Green, M.L.
Crantziola versus Liliaeopsis. Bull. Misc. Inform. Kew. 1929: 92-93. 1929. no.3.
Liliaeopsis stands.

Sandwith, N.Y.
Notes on Trinidad plants. Bull. Misc. Inform. Kew. 1929: 75-81. 1929. no.3.

Sir William Turner Thiselton-Dyer. 1843-1928. Bull. Misc. Inform. Kew. 1929: 65-75. pl. iii (port.) 1929. no.3.

Bull. Misc. Inform. Kew. (cont.)

Smith, C.A. & Hubbard, C.E.
Notes on African grasses IX. Some saline-loving grasses occurring in South Africa. Bull. Misc. Inform. Kew. 1929: 83-87. illus., pl. iv. 1929. no.3.
Puccinellia acroxantha, n.sp.

Sprague, T.A.
Bergius, Descriptiones plantarum, and Linné, Mantissa prima. Bull. Misc. Inform. Kew. 1929: 88-89. 1929. no.3.
In view of definite statements contained in letters of Linné to Burmann and Ellis, it is clear that Bergius's Descriptiones was published before Linné's Mantissa.

Sprague, T.A.
The botanical name of the sugar maple. Bull. Misc. Inform. Kew. 1929: 81-82. 1929. no.3.

Sprague, T.A.
Engelmannia and Angelandra. Bull. Misc. Inform. Kew. 1929: 82-83. 1929. no.3.
Engelmannia antedated by Angelandra.

Sprague, T.A.
Triana's Flora Neo-Granadina. Bull. Misc. Inform. Kew. 1929: 94-95. 1929. no.3.

Wilhelm Becker. Bull. Misc. Inform. Kew. 1929: 89. 1929. no.3.
Notice of death, Oct.12, 1928.

Wood, B.R.
Dicymbe corymbosa Spruce ex Benth. Bull. Misc. Inform. Kew. 1929: 94. 1929. no.3.

Bull. Soc. Bot. France. (Paris)

Benoist, R.
Les Lauracées de la Guyane française. Bull. Soc. Bot. France. 75: 974-980. Mr.18,1929. no.9/10.

Buchet, S.
La concrescence congénitale n'est pas une vue de l'esprit. Bull. Soc. Bot. France. 75: 733-740. D.18,1928. no.7/8.

Bull. Soc. Bot. France. (cont.)

Buchet, S.
La pseudo-tige des Psilotales. Bull. Soc. Bot. France. 75: 928-929. Mr.18, 1929. no.9/10.

Bugnon, P.
La concrescence congénitale n'est pas encore devenue un fait indiscutable. Bull. Soc. Bot. France. 75: 740-750. D.18, 1928. no.7/8.

Cabanès, J.G.
Naturalisation en grand, dans la région du Bas-Rhône, y compris le delta, d'une curieuse légumineuse-papilionacée originaire des États-Unis: Amorpha fruticosa L. Bull. Soc. Bot. France. 75: 705-706. D.18, 1928. no.7/8.

Camus, A.
Castanopsis nouveaux. Bull. Soc. Bot. France. 75: 698-699. D.18, 1928. no.7/8.
C. hickelii, C.kinabaluensis.

Camus, A.
Graminées nouvelles de Madagascar et de Nossi-Bé. Bull. Soc. Bot. France. 75: 911-916. Mr.15, 1929. no.9/10.

Chalaud, G. & Nicolas, G.
La fausse dichotomie du Metzgeria furcata Dum. Réponse à M. Ch. Douin. Bull. Soc. Bot. France. 75: 768-774. D.18, 1928. no.7/8.

Chassagne, M.
Le professeur Henri Lecoq (1802-1871). Bull. Soc. Bot. France. 75: 662-670. D.18, 1928. no.7/8.

Chouard, P.
Excursions botaniques dans les Pyrénées centrales espagnoles entre la Cinquetta et le rio Ara. Bull. Soc. Bot. France. 75: 957-966. pl. xiii-xiv. map. Mr.18, 1929. no.9/10.

Dangeard, P.
Sur l'évolution de l'iode chez les laminaires. Réponse à M. Freundler. Bull. Soc. Bot. France. 75: 980-986. Mr.18, 1929. no.9/10.

Bull. Soc. Bot. France. (cont.)

Deflandre, G.
Contributions a la flore algologique de France. II-V, II. Haute-Savoie, III. Lannois, IV. Vosges, V. Pyrénées. Bull. Soc. Bot. France. 75: 999-1012, illus., pl.xvi. Mr.18, 1929. no.9/10.

Denis, M.
Etat des recherches botaniques en Auvergne. Bull. Soc. Bot. France. 75: 641-652. D.18, 1928. no.7/8.

Dop, P.
Les cléthracées asiatiques. Bull. Soc. Bot. France. 75: 729-753. D.18, 1928. no.7/8.

Douin, C.
La "falsche dichotomie" de Kny n'a jamais existé. Bull. Soc. Bot. France. 75: 750-767. illus. D.18, 1928. no.7/8.

Emberger, L.
A propos du chondriome: réponse ă M. Pavillard. Bull. Soc. Bot. France. 75: 696-698. D.18, 1928. no.7/8.

Fournier, P.abbé.
Aconitum ranunculifolium Rchb. dans la flore française. Bull. Soc. Bot. France. 75: 904-911. Mr.18, 1929. no.9/11.

Fournier, P. abbé.
La violette de Cry: Viola olympica (Griseb.) Boissier. Bull. Soc. Bot. France. 75: 1013-1014. Mr.18, 1929. no.9/10.

Frey, A.
La structure micellaire des membranes cellulaires. Bull. Soc. Bot. France. 75: 950-956. Mr.18, 1929. no.9/10.

Gagnepain, F.
Pellionia nouveaux d'Indo-Chine. Bull. Soc. Bot. France. 75: 917-928. Mr.18, 1929. no.9/10.

Bull. Soc. Bot. France. (cont.)

Gerber, C.
Deux botanistes clermontois: Le Préfet Ramond (1755-1827) et le Professeur Col (1873-1926). Bull. Soc. Bot. France. 75: 653-662. D.18, 1928. no.7/8.

Guinochet, M.
Aperçu sur la flore des algues marines de la rade de Toulon (Var). Bull. Soc. Bot. France. 75: 791-795. D.18, 1928. no.7/8.

Jovet, P. & Vergnet, J.
Notes sur deux adventices. Galinsoga parviflora Cav. et Artemisia annua L. Bull. Soc. Bot. France. 75: 930-945. map. Mr.18, 1929. no.9/10.

Jovet, P.
Une nouvelle plante introduite: Galinsoga aristulata Bickn. Bull. Soc. Bot. France. 75: 967-974. illus. Mr.18, 1929. no.9/10.

Kharbush, S.S.
Recherches sur les tubercules radicaux de quelques papilionacées alpines. Bull. Soc. Bot. France. 75: 674-696. pl. vi-x. D.18, 1928, no. 7/8.

Lassimonne, S.E.
Cléistogamie d'Hibiscus trionum L. Bull. Soc. Bot. France. 75: 1014-1015. Mr.18, 1929. no.9/10.

Loubière, A.
Sur la structure anatomique d'un jeune stipe de sigillaire cannelée. Bull. Soc. Bot. France. 75: 699-704. pl. xi-xii. D.18, 1928. no.7/8.

Luizet, D.
Note sur le Saxifraga litardierei Luiz. Bull. Soc. Bot. France. 75: 787-788. D.18, 1928. no.7/8.

Mugnier, L.
Rosa afzeliana Fries (R.glauca Vill.) dans la région parisienne. Bull. Soc. Bot. France. 75: 902-904. Mr.18, 1929. no.9/10.

Bull. Soc. Bot. France. (cont.)

Mugnier, L.
Roses de Chatelguyon et des environs. Bull. Soc. Bot. France. 75: 945-950. Mr.18, 1929. no.9/10.

Pavillard, J.
Le crithmion maritimae autour de Biarritz. Bull. Soc. Bot. France. 75: 795-799. D.18, 1928. no. 7/8.

Pellegrin, F.
Utsetela Pellegrin, genre nouveau d'urticacées-artocarpées du Gabon. Bull. Soc. Bot. France. 75: 672-674. D.18, 1928. no.7/8.
U. gabonensis.

Prat, H. & Chouard, P.
Note sur les milieux aquatiques du massif de Néouvielle (Hautes-Pyrénées). Bull. Soc. Bot. France. 75: 986-997. illus. (incl. map). pl.xv. Mr.18, 1929. no.9/10.

Reynier, A.
Sur la troubaille qu'aurait faite Garidel en 1715, au Tholonet près d'Aix, du futur (1783) Andropogon provinciale Lmk. Bull. Soc. Bot. France. 75: 721-728. D.18, 1928. no.7/8.

Rodrigues, L.
Ophiopogon nouveaux d'Indo-Chine. Bull. Soc. Bot. France. 75: 997-999. Mr.18, 1929. no.9/10.
O. marmoratus Pierre mss., O. subverticillatus Gagn. mss.; O. tonkinensis, O. latifolius, O. pierrei n.sp.

Tanaka, T.
Revisio aurantiacearum.I. Bull. Soc. Bot. France. 75: 708-715. D.18, 1928. no.7/8.

Trabut, L.
Le sapin du Maroc. Abies maroccana Trab. (Soc. Bot. Fr., 1906). Bull. Soc. Bot. France. 75: 897-902. illus. Mr.18, 1929. no.9/10.

Vuillemin, P.
L'anneau de sporange des fougères. Bull. Soc. Bot. France. 75: 716-721. D.18, 1928. no.7/8.

Bull. U.S. Golf Assoc. Green Sect. (Wash., D.C.)

Dahl, A.S.

Zonate eye-spot disease of turf grass. Bull. U.S. Golf Assoc. Green Sect. 9: 71-75. illus. Ap.1929. no.4.

Helminthosporium giganteum.

Monteith, J.

Brown-patch fungicides. Bull. U.S. Golf Assoc. Green Sect. 9: 76. Ap.1929. no.4.

Bull. Ontario Dept. Agr. (Vineland Station, Ont.)

Jones, D.H.

Fire blight and its eradication. Bull. Ontario Dept. Agr. 342. 22 p. illus. Ap.1929.

Bull. Torr. Club.

Cummins, M.P.

Development of the integument and germination of the seed of Eleusine indica. Bull. Torr. Club. 56: 155-162. illus. Mr.1929(May). no.3.

Munz, P.A.

New plants from Nevada. Bull. Torr. Club. 56: 165-167. Mr.1929.(May). no.3.

Lesquerella hitchcockii, Draba jaegeri, Ivesia jaegeri, Epilobium nevadense.

Wilson, J.D.

A double-walled pot for the auto-irrigation of plants. Bull. Torr. Club. 56: 139-153. illus. Mr.1929(May). no.3.

Wodehouse, R.P.

Pollen grains in the identification and classification of plants.III. The Nassauvinae. Bull.Torr. Club. 56: 123-138. pl.3. Mr.1929(May). no.3.

Bull. Trop. Plant. Res. Foundation (Washington, D.C.)

Stahl, C.F., & Faris, J.A.

The behavior of the new POJ canes in relation to sugar cane mosaic in Cuba. Bull. Trop. Plant Res. Foundation. 9. 12 p. illus. 1929.

Bull. Yale Univ. Sch. For. (New Haven)

Grasovsky, A.

Some aspects of light in the forest. Bull. Yale Univ. Sch. For. 23. 53 p. illus. 1929.

Calif. Citrogr. (Los Angeles)

A discussion of the boron problem in Southern California. Calif. Citrogr. 14: 318. Je. 1929. no.8.

Abstract of addresses by W.P. Kelley & C.S. Scofield.

Jensen, C.A. & Foote, F.J.

Some studies on fertilization of lemon groves, Lomoneira Ranch, Santa Paula, Cal. pt. II. Calif. Citrogr. 14: 309, 350-352. Je. 1929. no.8.

Street, E.A.

Valuable rootstock work being done by Edgar W. Stow. Calif. Citrogr. 14: 307, 338-341, 344-346. illus. Je.1929. no.8.

Canad. Field Nat. (Ottawa)

Groh, H.

Gumweed (Grindelia squarrosa (Pursh) Dunal) in Ontario. Canad. Field Nat. 43: 106-107. My 1929. no.5.

Compt. Rend. Acad. Agr. France.

Bertrand, G.

La concentration du suc cellulaire et la résistance des plantes a la gelée. Compt. Rend. Acad. Agr. France. 15: 569-571. My.1, 1929. no.14.

Chabrolin, C.

Les dépérissements de l'arbicotier. Compt. Rend. Acad. Agr. France. 15: 583-588. My.1, 1929. no.14.

"Dépérissement par apoplexie"; cause not yet determined tho Dufrenoy lays it to Verticillium."

Denaiffe, H. & Colle, J.

La résistance des céréales pendant l'hiver 1928-29 dans les Ardennes. Compt. Rend. Acad. Agr. France. 15: 559-566. My.1, 1929. no.14.

V.11, no.11, p.14,

Compt. Rend.Acad. Agr. France. (cont.)

Dupont, Ch.
Observations sur la résistance des blés a la gelée pendant l'hiver 1928-1929 aux champs d' expériences de Tomblaine et du Donon. Compt. Rend. Acad. Agr. France. 15: 575-579. My.1, 1929. no.14.

Rabaté, E.
La résistance des blés aux gelées d'hiver. Compt. Rend. Acad. Agr. France. 15:555-559. My.1, 1929. no.14.

Saillard, E.
La cercosporiose de la betterave à sucre voyage d'études en Italie. Compt. Rend. Acad. Agr. France. 15: 546-554. My.1, 1929. no.14.

Zaleski, E.
Les caracteres de résistance à la gelée chez le blé. Compt. Rend. Acad. Agr. France. 15: 566-569. My.1, 1929. no.14.

Compt. Rend. Acad. Sci. Paris.

Bridel, M.
Recherches sur les variations de colorations des plantes au cours de leur dessiccation. Le glucoside du Lathraea clandestina L. est l'aucuboside (aucubine). Compt. Rend.Acad. Sci. Paris. 188: 1182-1184. Ap.1929. no.18.

Pontillon, C.
Sur la pigmentation du Sterigmatocystis nigra cultivé sur milieux gras. Compt. Rend. Acad. Sci. Paris. 188: 1184-1185. Ap.1929. no.18.

Compt. Rend. Soc. Biol. Paris.

Guilliermond, A.
Observations des cellules végétales au fond noir. Compt. Rend. Soc. Biol. Paris. 100: 1180-1185. illus. My.3,1929. no.14.

Guinier, P.
Notes biologiques sur un genévrier des Alpes francaises (Juniperus thurifera L.) Compt. Rend. Soc. Biol. Paris. 100: 1142-1144. illus. Ap.26, 1929. no.13.

V.11, no.11, p.14,

Compt. Rend.Acad. Agr. France. (cont.)

Dupont, Ch.

Observations sur la résistance des blés a la gelée pendant l'hiver 1928-1929 aux champs d' expériences de Tomblaine et du Donon. Compt. Rend. Acad. Agr. France. 15: 575-579. My.1, 1929. no.14.

Rabaté, E.

La résistance des blés aux gelées d'hiver. Compt. Rend. Acad. Agr. France. 15:555-559. My.1, 1929. no.14.

Saillard, E.

La cercosporiose de la betterave à sucre voyage d'études en Italie. Compt. Rend. Acad. Agr. France. 15: 546-554. My.1, 1929. no.14.

Zaleski, E.

Les caracteres de résistance à la gelée chez le blé. Compt. Rend. Acad. Agr. France. 15: 566-569. My.1, 1929. no.14.

Compt. Rend. Acad. Sci. Paris.

Bridel, M.

Recherches sur les variations de colorations des plantes au cours de leur dessiccation. Le glucoside du Lathraea clandestina L. est l'aucuboside (aucubine). Compt. Rend.Acad. Sci. Paris. 188: 1182-1184. Ap.1929. no.18.

Pontillon, C.

Sur la pigmentation du Sterigmatocystis nigra cultivé sur milieux gras. Compt. Rend. Acad. Sci. Paris. 188: 1184-1185. Ap.1929. no.18.

Compt. Rend. Soc. Biol. Paris.

Guilliermond, A.

Observations des cellules végétales au fond noir. Compt. Rend. Soc. Biol. Paris. 100: 1180-1185. illus. My.3,1929. no.14.

Guinier, P.

Notes biologiques sur un genévrier des Alpes francaises (Juniperus thurifera L.) Compt. Rend. Soc. Biol. Paris. 100: 1142-1144. illus. Ap.26, 1929. no.13.

Compt. Rend. Soc. Phys. & Hist. Nat. Geneve.
Chodat, R.
La mutation généralisée et les mutations chez le Chlorella rubescens Chod. Compt. Rend. Soc. Phys. & Hist. Nat. Geneve. 46: 31-38. Ja./Mr. 1929. no.1.

Ernähr. Pflanze. (Berlin)
Quanjer, H.M.
Einfluss der düngung auf die gesundheit der Kartoffel. I-II Ernähr. Pflanze. 25: 194-202. illus. My.1, 1929. no.9.
J. J. Jansson, author pt. II.

Flugbl. Biol. Reichsanst. Land- u. Forstw. (Berlin)
Laubert, R.
Krankheiten und beschädigungen an azaleen und rhododendren. Flugbl. Biol. Reichsanst. Land- u. Forstw. 99/100. 8 p. illus. Ap.1929.

Floralia. (Assen, Netherlands)
Schenk, P.J.
Ziekten van frambozen. Floralia. 50: 307. My.10, 1929. no.19.

Gard. Chron. (London)
B., E.A.
Grant Thorburn. Gard. Chron. III, 85: 328-329. port. My.4, 1929. no.2210.

Darnell, A. W.
The genus Primula. (cont.) Gard. Chron. III, 85: 326. My.4, 1929. no.2210.

Tagg, H. F.
Rhododendron leucaspis. Gard. Chron. III, 85: 308. Ap. 27, 1929. no.2209.
Referred to as Rhododendron K.W. 6273 in Gard. Chron. III, 85: 128. F.16,1929, and figured in the issue of F.23, fig.67.

Ward, F.K.
Mr. F. Kingdon Ward's tenth expedition in Asia. XIX. Gard. Chron. III, 85: 310-311. illus. Ap.27, 1929. no.2209.

Gartenw. (Berlin)
Herold, H.
Versuche mit ultraviolett-durchlässigem glas. Gartenw. 33: 229-230. illus. Ap.26, 1929. no.17.

V.11, no.11, p.16.

Gentes herbarum.

Bailey, L.H.

The domesticated cucurbitas. His Gentes Herb. 2: 63-115. illus. My.1929. no.2.

Illus. Landw. Zeit. (Berlin)

Arland, A.

Praktische erfahrungen mit der saatgutbeize. Illus. Landw. Zeit. 49: 190-191, 201-202. Ap.26, My.3, 1929. no.17.

Stobbe, S.

Praktische erfahrungen mit den einflüssen des püstenwindes auf die kulturpflanzen. Illus. Landw. Zeit. 49: 202-203. My.3, 1929. no.18.

Indische Mercuur. (Amsterdam)

Janssonius, H.H.

Euphorbiaceenhout geschikt voor papierbereiding? Indische Mercuur. 52: 351-352. My.1, 1929. no.18.

Ital. Agr. (Milan)

Munerati, O.

Sul problema della canapa di fonte alla Orobanche. Ital. Agr. 66: 177-184. illus. Ap.1929. no.4.

Journ. Amer. Pharm. Assoc. (Easton,Pa.)

Blanco, S.

A new dihydroterpene. Journ. Amer. Pharm. Assoc. 18: 474-477. My.1929. no.5.

From Pittosporum resiniferum.

Journ. Amer. Soc. Agron. (Geneva, N.Y.)

Dustman, R.B. & Shriver, L.C.

The chemical composition of Andropogon virginicus and Danthonia spicata at successive growth stages. Journ. Amer. Soc. Agron. 21: 561-567. My. 1929. no.5.

Johnston, C.O.

The occurrence of strains resistant to leaf rust in certain varieties of wheat. Journ. Amer. Soc. Agron. 21: 568-573. My.1929. no.5.

Stewart, G. & Price, H.

Inheritance studies in Sevier x Odessa wheat cross. Journ. Amer. Soc. Agron. 21: 493-512. My.1929. no.5.

V.11, no.11, p.17.

Journ. Biol. Chem. (Baltimore)

Goddard, V.R. & Mendel, L.B.
Plant hemagglutinins with special reference to a preparation from the navy bean. Journ. Biol. Chem. 82: 447-463. illus. My.1929. no.2.

Jacobs, W.A. & Gustus, E.L.
The Digitalis glucosides III. Gitoxigenin and isogitoxigenin Journ. Biol. Chem. 82: 403-409. My.1929. no.2.

Lindow, C.W., Elvehjem, C.A. & Peterson, W.H.
The copper content of plant and animal foods. Journ. Biol. Chem. 82: 465-471. My.1929. no.2.

Journ. Bombay Nat. Hist. Soc.

Blatter, E.
A new species of Balanophora from Mahableshwar, Bombay Presidency. Journ. Bombay Nat. Hist. Soc. 33: 309-310. 1 pl. F.15, 1929. no.2.
B.elkinsi n.sp.

Blatter, E. & McCann, C.
Revision of the flora of the Bombay Presidency. VIII. Gramineae. Journ. Bombay Nat. Hist. Soc. 33: 229-243. F.15, 1929. no.2.

Dixon, H.N.
Mosses collected in Waziristan by Mr. J. Fernandez in 1927. Journ. Bombay Nat. Hist. Soc. 33: 279-283. F.15,1929. no.2.

McCann, C.
The study of plant life. III, Journ. Bombay Nat. Hist. Soc. 33: 262-278. illus., 1 pl. F.15, 1929. no.2.

Journ. Dept. Agr. Porto Rico. (Rio Piedras)

Chardon, C.E.
New or interesting tropical American Dothideales II. Journ. Dept. Agr. Porto Rico. 13: 1-17. col.pl. i-ii. Ja.1929. no.1.

Cook, M.E.
Life history of Ligniera vascularum (Matz) Cook. Journ. Dept. Agr. Porto Rico. 13: 19-29. pl.iii-vi. Ja.1929. no.1.
Organism previously known as Plasmodiophora vascularum transferred to genus Ligniera Maire and Tison.

V.11, no.11, p.18.

Journ. Ecol. (Cambridge, Engl.)

Bracher, R.
The ecology of the Avon banks at Bristol. Journ. Ecol. 17: 35-81. illus., pl.vii, diagrs. F.1929. no.1.

Dowding, E.S.
The vegetation of Alberta III, The sandhill areas of central Alberta with particular reference to the ecology of Arceuthobium americanum Nutt. Journ. Ecol. 17: 82-105. illus., pl.viii-xiii, 2 maps. F.1929. no.1.

Godwin, H.
The "sedge" and "litter" of Wicken Fen. Journ. Ecol. 17: 148-160. illus. F.1929. no.1.

Godwin, H.
The sub-climax and deflected succession. Journ. Ecol. 17: 144-147. F.1929. no.1.

Richards, P.W.
Notes on the ecology of the bryophytes and lichens at Blakeney Point, Norfolk. Journ. Ecol. 17: 127-143. illus. F.1929. no.1.

Tansley, A. G.
William Gardner Smith, 1866-1928. Journ. Ecol. 17: 170-173. port. (p.2). F.1929. no.1.

Woodhead, T. W.
History of the vegetation of the southern Pennines. Journ. Ecol. 17: 1-34. illus. (maps) pl. i-vi. F.1929. no.1.

Journ. Gen. Physiol. (Baltimore, Md.)

Emerson, R.
The relation between maximum rate of photosynthesis and concentration of chlorophyll. Journ. Gen. Physiol. 12: 609-622. diagrs. My.20, 1929. no.5.

Journ. Gen. Physiol. (cont.)
Navez, A. E.
Respiration and geotropism in Vicia faba. I- Journ. Gen. Physiol. 12: 641-667. diagrs. My.20, 1929. no.5.

Journ. Linn. Soc. Bot. (London)
Lyle, L.
Marine algae of some German warships in Scapa Flow and of the neighboring shores. Journ. Linn. Soc. Bot. 48: 231-257. illus. Ap.11, 1929. no.321.

Marquand, C.V.B.
The botanical collection made by Captain F. Kingdon Ward in the eastern Himalaya and Tibet in 1924-25. Journ. Linn. Soc. Bot. 48: 149-229. Ap.11, 1929. no.321.

Journ. N.Y.Bot. Gard.
Dodge, B.O.
Fungous diseases and insects in the rose garden. Journ. N.Y. Bot. Gard. 30: 105-124. illus. My. 1929. no.353.

Journ. Optical Soc. Amer. & Rev. Sci. Instr. (Menasha, Wis.)
Arthur, J.M.
Some effects of radiant energy on plants. Journ. Optical Soc. Amer. & Rev. Sci. Instr. 18: 253-263. illus. Mr.1929. no.3.
Reprinted as Prof. Paper Boyce Thompson Inst. no.12.

Journ. Stat. Agron. Guadeloupe. (Pointe-a-Pitre)
Williams, C.H.B.
La gommose de la canne: son apparition a la Guadeloupe. Journ. Stat. Agron. Guadeloupe. 7: 106-111. 1929. no.2.

Rev. Mus. Paulista. (São Paulo)
Luederwaldt, H.
Resultados de uma excursão scientifica á ilha de São Sebastião no littoral do estado de São Paulo em 1925. Rev. Mus. Paulista. 16:1-79. 3 pl. 1929.
Lista das plantas: p.66-69; Lista das plantas de Villa Bella: p.70-72; Foram observadas pelo autor na ilha alem disto as seguintes plantas: p.73-77; Errata, addições e modificações: p.1011-1019.

V.11, no.11, p.20.

Journ. Washington Acad. Sci.

Killip, E.P.

New plants mainly from western South America. Journ. Washington Acad. Sci. 19: 191-195. My.19,1929. no.10.

Maxon, W. R.

A diminutive new hollyfern from Ecuador. Journ. Washington Acad. Sci. 19: 197-199. illus. My.19,1929. no.10.

Polystichum pumilo.

Swallen, J. R.

A new species of Aristida from Florida. Journ. Washington Acad. Sci. 19: 195-197. illus. My.19, 1929. no.10.

A. rhizomophora.

Kagami Kankyu Hokoku (Res. Bull. Gifu Imp. Coll. Agr.)

Hiura, M.

On a new leaf-spot disease of the Japanese persimmon caused by Mycosphaerella nawae. Kagami Kankyu Hokoku (Res. Bull. Gifu Imp. Coll. Agr.) no.5. 34, 2 p. 2 pl. Mr.1929.

Japanese with English summary.

Kosmos. (Stuttgart)

Litzelmann, E.

Die orchideen Mitteleuropas. Kosmos. 26: 160-164. illus. (incl.map), col. illus. (p.167-168) 1929. no.5.

Landbouwk. Tijdschr. Maandbl. Nederl. Genootsch. Landbouwwetensch. (Amsterdam)

Reith, J. F.

Over het jodiumgehalte der planten, voornamelijk beschouwd in verband met het jodium in den bodem. Landbouwk. Tijdschr. Maandbl. Nederl. Genootsch. Landbouwwetensch. 41: 236-242. Ap. 1929. no.490.

Landw. Jahrb. (Berlin)

Schröder, D.

Bildliche darstellung von gräsern in blütenlosem zustande und narben photographe. Landw. Jahrb. 65(Ergänzungsbd. 1): 106-123. illus. 1927 (Rec'd My.1929)

Landw. Jahrb. (cont.)

Tacke, B.

Die ergebnisse der versuche in der hochmoor-versuchswirtschaft in Königsmoor. Landw. Jahrb. 65(Ergänzungsbd.1): 8-65. 1927(Rec'd My.1929)

Madroño.(San Francisco)

Baird, V. B.

Collecting trips of Ezra Brainerd in California. Madroño. 1:185-186. S.1928 (Rec'd My.1929) no.12.

Baker, M.S.

Field notes on certain Brodiaea species in Humboldt County. Madroña. 1: 199-200. Mr.1929. no. 14.

Greene, E. L.

Why the Eschscholtzia? Madroño. L: 195-197. Mr. 1929. no.14.

A note by W.L. Jepson states that this article was written on the occasion of the adoption of the Eschscholtzia as the state flower of California; that as far as it is known this article has never been published in any magazine of botany or horticulture.

Greene, H. A.

Historical note on the Monterey cypress at Cypress Point. Madroño. 1: 197-198. Mr.1929. no.14.

Horne, W. T.

The improved eastern blueberry in California. Madroña. 1: 179-183. S.1928 (Rec'd My.1929) no.12.

Jepson, W. L.

Biological peculiarities of Californian flowering plants. I- Madroña. 1: 190-192. N.1928. no.13.

I. Longitudinal fission in the plant body of Caenothus cuneatus Nutt. (Buckrush)

Jepson, W.L.

The botanical explorers of California. I-IV. Madrono. 1: 167-170,175-177,183-185, 188-190. ports. 1928. no.10-13.

I. Volney Rattan. II. Joseph Whipple Congdon. III. Geoge Hansen. IV. George Dexter Butler.

V.11, no.11, p.22.

Madroño. (cont.)

Jepson, W.L.
Physiological bilabiation and physioligical irregularity in the flowers of Californian angiosperms. I- Madroño. 1: 198-199. Mr.1929. no. 14.

Jepson,W. L.
Variation in the pappus of Layia pentachaeta Gray. Madroño. 1: 200-201. Mr.1929. no.14.

Johansen, D. A.
The hypotase and seed sterility in the Onagraceae Madroño. 1: 165-167. Mr.1928 (Rec'd My.1929) no.10.

Mason,H.L.
Additions to the flora of California. Madrono. 1: 187-188. N.1928 (Rec'd My.1929) no.13.
Lupinus peirsoni, n.sp., Dodecatheon hendersoni, var. yosemitiana n.var.

Merrill, E. D.
The California botanic garden. Madroño. 1: 163-164. Mr. 1928 (Rec'd My.1929) no.10.

Peirce, G. J.
Brine and brine organisms. Madroño. 1: 171-175. Je.1928 (Rec'd My.1929) no.11.

Malpighia. (Palermo)

Buscalioni, L. & Catalano, G.
I fillomi spinescenti delle asparagacee in rapporto alle foglie ipopeltate ed agli organi motori delle palme e delle graminacee. Malpighia. 31: 68-137. 2 fold.pl. 1928 (Rec'd Ap.1929) no.1/6.

Buscalioni, L. & Bruno,F.
Sui cloropasti cromici delle aloinee. Malpighia. 31: 50-67. pl. iii. 1928 (Rec'd Ap. 1929) no.1/6.

Buscalioni, L. & Bruno, F.
Sui rapporti tra amido e lipoidi endoclorofilliani nel corso delle stagioni e degli anni. Malpighia. 31: 150-321. iv pl. 1928 (Rec'd Ap.1929) no.1/6.

Malpighia. (cont.)

Buscalioni, L. & Lanza, D.
Sulla constituzione morfologica ed anatomica delle inflorescenze di Ambrosina bassii L. e di Pistia stratiotes L. Malpighia. 31: 3-45. pl. i-ii. 1928 (Rec'd Ap.1929) no.1/6.

Mattei, G.E.
Nonnullae plantarum species novae. Malpighia. 31: 147-149. 1928 (Rec'd Ap.1929) no.1/6.
Cissus mexicana, Ipomoea assumptae, Pancratium mirennae.

Mattei, G.E.
Probabili relazioni biologiche fra felci imenofillée ed animalcoli. Malpighia. 31: 139-146. 1928 (Rec'd Ap.1929) no.1/6.

Mysore Agr. Calendar. (Bangalore)

How to distinguish between the stem bleeding disease and anabe roga of cocoanuts? Mysore Agr. Calendar 1929: 13, 17. 1929.
Anabe roga (Ganoderma lucidum)

Nachtrichtenbl. Deut. Pflanzenschutzd. (Berlin)

Stapp. C.
Die fettfleckenkrankheit der bohne, eine für Deutschland neue, durch bakterien hervorgerufene pflanzenkrankheit. Nachrichtenbl. Deut. Pflanzenschutzd. 9: 35-37. illus. My.1929. no.5.
?Phytomonas medicaginis var. phaseolicola.

Werth, E.
Frostschäden an den obstbäumen in Dahlem. Nachrichtenbl. Deut. Pflanzenschutzd. 9: 38. 1929. no.5.

Ochrana Rostlin. (Prague)

Baudyš, E.
Škodlivost plísně sedé (Botrytis cinerea). Ochrana Rostlin. 9: 9-16. illus. 1929.

Blattný, C.
Mosaika konvalinky (Convallaria maialis L.) Ochrana Rostlin. 9: 19-21. illus. 1929.
Mosaic disease of lily of the valley.

Ochrana Rostlin. (cont.)

Tomsa, K.

Předčasné opadáváni listu ořechu vlaského. Ochrana Rostlin. 9: 17-19. 1929.

French résumé: p.18-19.

Defoliation of walnuts caused by Gnomonia leptostyla (Fr.) Ces. et de Not.

Ohio Journ. Sci. (Columbus)

Schaffner, J.H.

Additions to the catalog of Ohio vascular plants for 1928. Ohio Journ. Sci. 29: 81-92. Mr. 1929. no.2.

Schaffner, J.H.

Orthogenetic series involving a diversity of morphological systems. Studies in determinate evolution. II. Ohio Journ. Sci. 29: 45-60. 3 pl. Mr.1929. no.2.

I. had title "The general course of evolution in the plant kingdom."

Tiffany, L.H.

A key to the species, varieties, and forms of the algal genus Oedogonium. Ohio Journ. Sci. 29: 62-80. Mr.1929. no.2.

Pflanzenbau (Berlin).

Arland, A.

Das problem des wasserhaushaltes bei landwirtschaftlichen kulturpflanzen in kritisch-experimenteller betrachtung. Pflanzenbau. 1: 1-160. illus. Mr.12, 1929. no.1.

Plant Physiology.

Crist, J.W. & Stout, G.J.

Relation between top and root size in herbaceous plants. Plant Physiology. 4: 63-85. Ja.1929. no.1.

Experiments with lettuce, radish and tomato.

Crutchfield, C.L.

X-ray photography of mineral accumulations in plants. Plant Physiology. 4: 145-154. illus. Ja.1929. no.1.

V.11, no. 11, p.25.

Plant Physiology (cont.)

Haas, A.R.C. & Halma, F. F.
Chemical relationship between scion and stock in citrus. Plant Physiology. 4: 113-121. illus. Ja.1929. no.1.

Harvey, R. B.
Julius von Sachs. 1832-1897. Plant Physiology. 4: 155-157. illus. pl. iii (port.) Ja.1929. no.1.

Hottes, C. F.
Studies in experimental cytology. Plant Physiology. 4: 1-30. illus. pl. i. Ja.1929. no.1.
Experiments with Vicia faba.

Johnston, E. S. & Dore, W.H.
The influence of boron on the chemical composition and growth of the tomato plant. Plant Physiology. 4: 31-62. illus. Ja.1929. no. 1.

Lloyd, F. E.
The mechanism of the water tight door of the Utricularia trap. Plant Physiology. 4: 87-102. illus. pl. ii. Ja.1929. no.1.

Loomis, W. E.
Schloesing's experiments on the relation of transpiration to the translocation of minerals. Plant Physiology. 4: 158-160. Ja.1929. no.1.

Meyer, B. S.
Some critical comments on the methods employed in the expression of leaf saps. Plant Physiology. 4: 103-112. illus. Ja.1929. no.1.

Schertz, F.M.
Seasonal variation of the chloroplast pigments in several plants on the Mall at Washington, D.C. Plant Physiology. 4: 135-139. Ja.1929. no.1.

Traub, H.P., Thor, C.J., Willaman, J.J. & Oliver, R.
Storage of truck crops; the girasole, Helianthus tuberosus. Plant Physiology. 4: 123-134. illus. Ja.1929. no.1.

Webster, J. E.
Effects of storage on alcoholic extracts of plant tissues. Amino acid changes. Plant Physiology. 4: 141-144. illus. Ja.1929. no.1.

Prace Wydz. Chor. Rośl. Państw. Inst. Nauk-Roln. y Bydgoszczy.
Garbowski, L.
Choroby roślin uprawnych oraz drzew krzewów leśnych i parkowych w Wielkopolsce i na Pomorzu w r. 1926 i 1927 (Les maladies des plantes cultivées et des arbres et arbrisseaux des forêts et des parcs dans l'ouest de la Pologne en 1926 et 1927) Prace Wydz. Chor. Rośl. Państw. Inst. Nauk. Gospod. Wiejsk. Bydgoszczy. no. 7. 70 p. incl.maps. 2 pl., fold. tab. [1928?] (Rec'd Ap.1929)

Proc. Acad. Nat. Sci. Phila.
Pennell, F. W.
Agalinis and allies in North America. I. Proc. Acad. Nat. Sci. Phila. 80: 339-449. illus. (maps) 1929.

Proc. Roy. Soc. Ser.B. (London)
Discussion on "Ultra-microscopic viruses infecting animals and plants". Proc. Roy. Soc. Ser.B. 104: 537-560. My.4, 1929. no.733.
Those taking part were: Sir Chas. Martin, P.A. Murphy, A.J. Arkwright, J.E. Barnard, K.M. Smith, W.E. Gye, J.C.G. Ledingham, R.N. Salaman, F.W. Twort, C.H. Andrews, S.R. Douglas, Edward Hindle, W.B. Brierley, A.E. Boycott.

Progr. Agr. & Vitic. (Montpellier)
Bachala, A.
La protection du vignoble contre les invasions de mildiou, de black-rot et de l'oidium dans le sud-ouest. Progr. Agr. & Vitic. 91: 450-458. My.12, 1929. no.19.

Protoplasm (Leipzig)
Kaczmarek, A.
Untersuchungen über plasmolyse und deplasmolyse in abhängigkeit von der wasserstoffionenkonzentration. Protoplasma. 6: 209-301. Mr.1929. no.2.

Kiesel, A.
Die plasmodien der myxomyceten als objekt der chemischen protoplasmauntersuchung. Protoplasma. 6: 332-369. Mr.1929. no.2.

Quart. Journ. Pharm. & Pharmacol. (London)
Levin, F. A.
The taxonomic value of vein islet areas, Based upon a study of the genera Barosma, Cassia, Erthroxylon and Digitalis. Quart. Journ. Pharm. & Pharmacol. 2: 17-43. illus. Ja./Mr.1929. no.1.

V.11, no.11, p. 27.

Quart. Journ. For. (London)

Cotton, A. D.
Standardisation of names. Quart. Journ. For. 23: 190-194. Ap.1929. no.2.

Dallimore, W.
The standardisation of well-known specific names for trees. Quart. Journ. For. 23: 131-137. Ap. 1929. no.2.

Davy, J. B.
Standardisation of names. Quart. Journ. For. 23: 194-199. Ap.1929. no.2.

Queensl. Agr. Journ. (Brisbane)

Francis, W. D.
Queensland rain-forest trees. (cont.) Cryptocarya erythroxylon. Queensl. Agr. Journ. 31: 292-293. illus. Ap.1,1929. no.4.

White, C. T.
Weeds of Queensland. The correct botanical identity of the Lantanas naturalised in Queensland. Queensl. Agr. Journ. 31: 294-296. pl. 86. My.1, 1929. no.4.

Rev. Agr. Ile Maurice (Maurice)

Baissac, L.
La canne à sucre est encore indemne de mosaique à Maurice. Rev. Agr. Ile Maurice. 43: 7-10. Ja./F.1929.

Rev. Bot. Appl. (Paris)

Belime, E.
La situation actuelle de la culture cotonnière en A.O.F. Rev. Bot. Appl. 9: 180-189. Mr. 1929. no.91.

Chevalier, A.
L'origine botanique et l'amélioration des arachides cultivées. Rev. Bot. Appl. 9: 190-197. pl. v-viii. Mr.1929. no.91.

Ghimpu, V.
Sur les chromosomes de quelques chênes. Rev. Bot. Appl. 9: 176-179. illus. Mr.1929. no.91.

Miège, E.
Contribution à l'étude du cotonnier au Maroc. Rev. Bot. Appl. 9: 169-176. Mr. 1929. no.91

Rev. Gén. Bot. (Paris)

Chalaud, G.
Le cycle évolutif de Fossombronia pusilla Dum. Rev. Gén. Bot. 41: 213-236. illus. Ap.1929. no.484.

Genevois, L.
Sur la fermentation et sur la respiration chez les végétaux chlorophylliens. Rev. Gén. Bot. 41: 252-271. Ap. 1929. no.484.

Michel-Durand, E.
Recherches physiologiques sur les composés tanniques. Rev. Gén. Bot. 41: 237-251. Ap. 1929. no.484.

Milovidov, P.F.
Observations vitales sur l'altération du chondriome chez le Saprolegnia sous l'influence de divers facteurs externes. Rev. Gen. Bot. 41: 193-208. Ap.1929. no.484.

Richard, J.
Sur le contenu cellulaire des Fucus. Rev. Gén. Bot. 41: 209-212. Ap.1929. no.484.

Rev. Vitic. (Paris)

Dr. Louis Trabut. Rev. Vitic. 70: 307. My.9, 1929. no.1819.
Note of death.

Semichon, L.
Ulysse Gayon. Rev. Vitic. 70: 281-285. My.2, 1929.

Rhodesia Agr. Journ. (Salisbury)

Hopkins, J.C.F.
Blackfire of tobacco. Rhodesia Agr. Journ. 26: 371-373. Ap.1929. no.4.

Rhodora. (Boston)

Blake, S. F.
A new estuarine Bidens from Chesapeake Bay. Rhodora. 31: 87-90. illus. My.1929. no.365.
B. mariana, n.sp.

V.11, no.11, p. 29.

Rhodora. (cont.)

Blake, S.F.
A new variety of Bidens eatoni. Rhodora. 31: 100. My. 1929. no.365.
B.eatoni var. illicita.

Fernald, M.L. & Weatherby, C.A.
Proposed amendments to the international rules of botanical nomenclature. Rhodora. 31: 91-96. My. 1929. no.365.

Haynie, N. V.
Two new plant records for the Chicago region. Rhodora. 31: 99. My.1929. no.365.
Prunus virginiana var. leucocarpa, Rubus occidentalis f. pallidus.

Stebbins, G.L. jr.
Further additions to the Mt. Desert flora. Rhodora. 31: 81-87. pl. 185-186. My.1929. no.365.

Svenson, H.K.
Anthesis in Spartina cynosuroides. Rhodora. 31: 99-100. My. 1929. no.365.

Svenson, H. K.
Chamaecyparis thyoides in New Hampshire. Rhodora. 31: 96-98. My. 1929. no.365.

Russk. Gidrobiol. Zhurn. (Russ. Hydrobiol, Zeitschr.)

Isachenko, B.
... Prof. Dr. N.M. Gaidukov. Russk. Gidrobiol. Zhurn. (Russ. Hydrobiol. Zeitschr.) 8: 143-146. port. Ap./My. 1929. no.4/5.
Verzeichnis der arbeiten von Prof. Gaidukov uber algologie p.145-146.

Skabichevsky, A. P.
... Ueber die biologie von Melosira baicalensis (K.Meyer) Wisl. Russk. Gidrobiol. Zhurn. (Russ. Hydrobiol. Zeitschr.) 8: 93-114. pl.iii. Ap./My. 1929. no.4/5.

Schrift. Königsb. Gelehr. Ges. Naturw. Kl.

Mitscherlich, E.A. & Dühring, F.
Ueber die konstanten im wirkungsgesetze der wachstumsfaktoren. Schrift. Königsb. Gelehr. Ges. Naturw. Kl. 5:15-44. 3 fold.pl. fold.tab. 1928. no.2.

Science. (Lancaster, Pa.)

Darrow, G.M. & Waldo, G.F.
The practical significance of increasing the daily light period of winter for strawberry breeding. Science. 69: 496-497. My.10, 1929. no.1703.

Hall, R.P. & Jahn, T.L.
Dispersed stages on the stigma in Euglena. Science. 69: 522. My.17, 1929. no.1794.

Kellerman, K. F.
Ambitious agronomy. Science. 69:520-521. My.17, 1929. no.1794.

Marloth, R. H.
An apparatus for the study of matforming fungi in culture solutions. Science. 69: 524-525. My.17, 1929. no.1794.

Sprague, G. F.
Hetero-fertilization in maize. Science. 69: 526-527. My.17, 1929. no.1794.

Sci. Bull. Dept. Agr. So. Africa.

Moore, E. S.
Wildfire of tobacco. Sci. Bull. Dept. Agr. So. Africa. 54. 53 p. illus. 1927(Rec'd My. 1929)
1. Studies on overwintering and dissemination of wildfire. 2. Methods of seed treatment for the control of wildfire.
P.J. Naude joint author of 2.

Soil Sci. (Baltimore)

Dachnowski-Stokes, A.P.
The botanical composition and morphological features of "highmoor" peat profiles in Maine. Soil Sci. 27: 379-388. diagr. My.1929. no.5.

Martin, T. L.
The effect of sweet clover and alfalfa roots and tops on the funguous flora of the soil. Soil Sci. 27: 399-405. My.1929. no.5.

Starkey, R. L.
Some influences of the higher development of higher plants upon the microörganisms in the soil: II. Influence of the stage of plant growth upon abundance of organisms. Soil Sci. 27: 355-378. diagrs. My.1929. no.5.

V.11, no.11, p. 31.

Skrift. Norske Vidensk.-Akad. Oslo Matem. Naturv. Kl.

Moe, A.

Dates of flowering for native and garden plants at Stavanger 1897-1926. Skrift. Norske Vidensk.-Akad. Oslo Matem. Naturv. Kl. 1928. no.3. 49 p. 1928.

Stain Techn.

Dufrenoy, J.

Double staining of mitochondria and bacteria in plant tissues. Stain Techn. 4: 13-15. illus. Ja.1929. no.1.

Jirouch, E. A.

Natural color preserved in sectioned green plant tissue. Stain Techn. 4: 17-19. Ja.1929. no. 1.

Maneval, W. E.

Some staining methods for bacteria and yeasts. Stain Techn. 4: 21-25. Ja.1929. no. 1.

Succulenta. (Leeuwarden)

Becht.

Fotografeeren van planten. I- Succulenta. 11: 86-88. My.1929. no.5.

Maas, C. A.

Opuntia crinifera Pfeiffer. (concl.) Succulenta. 11: 82-83. My.1929. no. 5.

Sugar. (N.Y.)

Sartoris, G. B.

Deterioration in P.O.J. canes. (concl.) Sugar. 31: 196-197. My.1929. no.5.

Sver. Utsädesför. Tidskr. (Svålof)

Nilsson-Ehle, H.

Växtförädlingen och växtföljdsfrågen. Sver. Utsädesfor. Tidskr. 39: 17-29. 1929. no.1.

Walstedt, I.

Försök till belysande av frågan om resistensen mot angrepp av den parasitiskt i växtrötter uppträdande nematoden Heterodera schachtii samt förekomsten av olika biologiska former av densamma. Sver. Utsädesför. Tidskr. 39: 38-57. 1929. no.1.

Tidsjchr. Plantenz. (Amsterdam)
Botjes, J.O.
Droge bewaring en onderzeeërvorming bij aardappelen. Tijdschr. Plantenz. 35: 108-111. Ap.1929. no.4.

Zondag, J.L.P.
Phyllosticta gemmipara n.sp. oorzaak eener ziekte van amaryllis (Hippeastrum hybridum). Tijdschr. Plantenz. 35: 97-107. pl.vii-ix. Ap.1929. no.4.

Trop. Agr. (Ceylon) (Peradeniya)
Bertus, L. S.
A sclerotial disease of Pentas carnea Benth. Trop. Agr. 72: 129-132. Mr.1929. no.3.
Rhizoctonia solani.

Haigh, J.C.
Geranium stem rot caused by Pythium sp. Trop. Agr. 72: 133-134. Mr.1929. no.3.

Trop. Agriculture. West Indies. (Trinidad)
Dowson, H.V.W.
The date palm. Trop. Agriculture West Indies. 6: 172-173. Je.1929. no.6.
The date palm's origin. - Date culture on the Shatt ul Arab.

Trudy Mleevskoi Sadovo-Ogor. Opyth. Stan. (Arb. Mleewer Gartenb-Versuchsst.) (Mleev)
Kozmanov, S. I.
... Zur kenntniss der aufbewahrung des pollens der süss- und sauerkirschen (provisorische mitteilung). Trudy Mleevskoi Sadovo-Ogor. Opytn. Stan. (Arb. Mleewer Gartenb.-Versuchsst.) 14: 77-81. 1929.
Russian with German summary.

Roh, L.M.
... Ueber die anlage der blütenknospen und ihre entwickelung bei den obstbäumen in den jahren 1924-28. Trudy Mleevskoi Sandovo-Ogor. Opytn. Stan. (Arb. Mleewer Gartenb.-Versuchsst.) 13. 99 p. illus. 1929.
Russian with German summary.

V.11, no.11, p.33.

Trudy Mleevskoi Sadovo-Ogor. Opytn. Stan. (Arb. Mleewer Gartenb-Versuchsst.) (cont.)

Roh, L.M.

... Ueber die befruchtungsverhältnisse bei verschiedenen obstbäumen. Trudy Mleevskoi Sadovo-Ogor. Opytn. Stan. (Arb. Mleewer Gartenb.-Versuchsst.) 15. 97 p. fold.tab. 1929.

Russian with German summary.

Roh, L.M.

... Ueber die keimfähigkeit und fertilität des pollens bei verschiederen obstbäumen. Trudy Mleevskoi Sadovo-Ogor. Opytn. Stan. (Arb. Mleewer. Gartenb.-Versuchsst.) 14: 3-76. 1929.

Russian with German summary.

U.S. Dept. Agr. Plant Dis. Rep.

Bach, W.J. & Taubenhaus, J.J.

Black rot of cabbage in the lower Rio Grande Valley, Texas. U.S. Dept. Agr. Plant Dis. Rep. 13: 3-4. My.15, 1929. no.1.

Wellman, F.L.

A new disease of stored onions found in Colorado. U.S.Dept. Agr. Plant Dis. Rep. 13: 2. My.15, 1929. no.1.

Due to a Fusarium.

Welsh Journ. Agr. (Cardiff, Wales)

Whitehead, T. & Jones, W.A.P.

"Dry-rot" of swedes. Welsh Journ. Agr. 5: 159-175. illus., 3 pl. Ja.1929.

Wisconsin Hort. (Madison)

Maney, T. J.

Some experiences in the use of tree wound dressings. Wisconsin Hort. 19: 269-270. My.1929. no.9.

Zeitschr. Pflanzenernähr. Düng. u. Bodenk. A.Wiss.Teil. (Leipzig)

Landgraf, K.E.

Bodenreaktion und wachstum der wiesenpflanzen. Zeitschr. Pflanzenernähr. Düng. u. Bodenk. A.Wiss. Teil. 13: 213-228. 1929. no.4.

V.11, no.11, p.34.

Zeitschr. Pflanzenernähr. Düng. u. Bodenk. A.Wiss.Teil. (cont.)
Tobler, F.
Der einfluss des kaliums auf die bildung der faserzellwand bei faserpflanzen. Zeitschr. Pflanzenernähr. Düng. u. Bodenk. A.Wiss. Teil. 13: 208-213. 1929. no.4.

Zeitschr. Pilzk. (Leipzig)
Knauth, B.
Die höheren pilze der Dresdner heide. (cont.) Zeitschr. Pilzk. 13(n.s.8): 57-64. Ap.24, 1929 no.4.

Zeitschr. Wiss. Mikros. (Leipzig)
Liesegang, R.E.
Ueber den angeblich lokalisierten kali-nachweis im pflanzengewebe. Zeitschr. Wiss. Mikros. 46: 126-128. Ap.1929. no.1.

Zeitschr. Zuckerind. Cechoslovak. Rep.
Stehlik, V. & Neuwirth, F.
Oekologie der aufgehenden zuckerrübe mit besonderer berücksichtigung ihrer krankheiten. Zeitschr. Zuckerind. Cechoslovak. Rep. 53: 429-453. illus. (1 col.) Ap.12,19,1929. no.32,33.
1st contribution is: Der samen, der keimungsprozess und die infektion bei keimung.

Der Zuchter. (Berlin)
Bělař, K.
Züchtung und cytologie. Der. Zuchter. 1: 1-6. illus. Ap.1929. no.1.

Köhler, E.
Die züchtung krebsfester kartoffelsorten. Der Zuchter. 1: 16-20. illus. Ap.1929. no.1.

Kuckuck, H.
Xenienbildung bei gerste. Der Zuchter. 1: 14-16. Ap. 1929. no.1.

Oehler, E.
Cytologische untersuchungen an kern- und steinobstsorten. Der Zuchter. 1: 25-30. Ap.1929. no. 1.

V.11, no.11, p.35.

Der Zuchter. (cont.)

Rümker, K.von.
Ludwig Wittmack [1839-1929] Der Zuchter. 1: 22-24. Ap. 1929. no.1.

Stubbe, H.
Ueber die möglichkeiten der experimentellen erzeugung neuer pflanzenrassen durch dünstliche auslösung von mutationen. Der Zuchter. 1: 6-11. Ap.1929.

Exper. Stat. Publ.

Carrick, D.B.
The effect of freezing on the catalase activity of apple fruits. Cornell Agr. Exp. Stat. Mem. 122. 18 p. illus. Mr.1929.

Tullis, E. C.
Studies on the overwintering and modes of infection of the fire blight organism. Michigan Agr. Exp. Sta. Tech. Bull. 97. 32 p. illus., pl.i-ii. Ap. 1929.

Lantow, J.L.
The poisoning of livestock by Drymaria pachyphylla. New Mexico Agr. Exp. Stat. Bull.173. 13 p. illus. F.1929.

Clayton, E. E.
Potato seed treatment experiments on Long Island with special reference to the organic mercury instant dips. New York Agr. Exp. Stat. Bull.564. 32 p. illus. F.1929.

Tukey, H. B.
Fruit regions and varieties of eastern New York. New York Agr. Exp. Stat. Bull.563. 82 p. F.1929.

New Books.

Bonnier, G.
Flore complète illustrée en couleurs de France... Suisse et Belgique... t.10 par R. Douin. fasc. 100, col.pl. 595-600. [1929]

Cockayne, L. & Turner, E.P.
The trees of New Zealand. Wellington, 1928. (New Zealand state forest service)
Alphabetical, illustrated descriptive list.

New Books.(cont.)

Hustedt, F.
Die kieselalgen... lfg. 3. Leigzig, 1928
(Dr. L. Rabenhorsts Kryptogamen-flora von Deutsc -
land, Oesterreich und der Schweiz, VII. bd.)

Kallenbach, F.
Die röhrlinge (Boletaceae) lfg. 8. Leipzig,
W. Klinkhardt, 1928 (Die pilze Mitteleuropas bd.I)

Lemée, A.
Dictionnaire descriptif synonomique des genres
de plantes phanerogames. v. 1. Brest, 1929.

Maiden, J.H.
A critical revision of the genus Eucalyptus.
v.8, pt.1 (pt.71) Sydney, 1929.

Solereder, H. & Meyer, F.J.
Systematische anatomie der monokotyledonen.
h.4, Farinosae. Berlin, Borntraeger, 1929.

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.

Vol. 11, no. 12. May 27-June 8, 1929.

Acta Soc. Bot. Polon. (Warszawa)

Dziubałtowski, S.
Etude phytosociologique du massif de Ste. Croix I. Acta Soc. Bot. Polon. v.5, no.5. 42 p. 7 pl., xii tab., map. 1928 (Recd Je.1929)
I. Les forêts de la partie centrale de la chaine principale et des montagnes: "Stawiana" et "Miejska".

Skupieński, F. X.
Badania bio-cytologiczne nad Didymium difforme. Cześć pierwsza. (Etude bio-cytologique du Didymium difforme. Première partie). Acta Soc. Bot. Polon. 5: 255-336. illus., pl.xii-xviii. 1928. (Rec'd Je.1929) no.3.

Starmach, K.
Wystepowanie stałego antocjanu w owocach Decaisnea fargesii i Fuchsia sp. (Das feste anthocyan Decaisnea- und Fuchsia-fruchten). Acta Soc. Bot. Polon. 5: 246-254. illus. 1928 (Rec'd Je.1929) no.3.

Tołpa, S.
Z badań nad wysokogórskiemi torfowiskami Czarnohory. (Pollenanalytische untersuchungen über einige hochgelegene torfmoore in Czarnohora). Acta Soc. Bot. Polon. 5: 221-245. illus. 1928. (Rec'd Je.1929) no.3.

Trela, J.
Torfowisko w Wolbromiu. (Wyniki analizy pyłkowej). (Die pollenanalytische untersuchungen des torfmoores bei Wolbrom in Mittelpolen. Acta Soc. Bot. Polon. 5: 337-351. pl. xix. 1928(Rec'd Je. 1929) no.3.

Agr. Puertorriqueno (San Juan)

López Domínguez, F. A.
El mosaico en la cana de azucar. Agr. Puertorriqueno. 7(8): 7-12, (9): 13-17. Ap.30, My.15, 1929.

Agric. Colon. (Firenze)
Nicastro, C.
Il mate o tè del Paraguay (Ilex paraguariensis St.Hil.) (cont.) Agric. Colon. 23: 221-230. illus. My.1929. no.5.

Analyst. (London)
Dodd, A.S.
The natural occurrence of boron compounds in fruits and vegetable products. Analyst. 54: 15-22. Ja.1929. no.634.

Dunn, J.E. & Bloxam, H.C.L.
Boric acid in oranges. Analyst. 54: 28-29. Ja.1929. no.634.

Ann. Bot. (London)
Ashby, E.
The interaction of factors in the growth of Lemna III. The interrelationship of duration and intensity of light. Ann. Bot. 43: 333-354. illus. pl. vii. Ap.1929. no.170.

Bolton, E.
On the cuticle of certain species of Neuropteris, Brongn. Ann. Bot. 43: 414-415. Ap.1929. no.170.

Bowen, R. H.
Notes on the chondriosome-like bodies in the cytoplasm of Equisetum. Ann. Bot. 43: 309-327. pl.v-vi. Ap.1929. no.170.

Cartwright, K.St.G.
A satisfactory method of staining fungal mycelium in wood sections. Ann. Bot. 43: 412-413. Ap. 1929. no.170.

Duthie, A.V.
The method of spore dispersal of three South African species of Isoetes. Ann. Bot. 43: 411-412. Ap. 1929. no.170.

Emmett, A.M.
An investigation of the changes which take place in the chemical composition of pears stored at different temperatures, with special reference to the pectic changes. Ann. Bot. 43: 269-308. illus. Ap. 1929. no.170.

Ann. Bot. (cont.)

Harvey, C.C.
On the different degrees of parasitic activity shown by various strains of Fusarium fructigenum. Ann. Bot. 43: 245-259. Ap.1929. no.170.
Studies in the genus Fusarium VII.

Lang, W.H.
On a variety of Scolopendrium vulgare that bears sporangia on the prothallus. Ann. Bot. 43: 355-374. illus. pl.viii. Ap.1929. no.170.

Maskell, E.J. & Mason, T.G.
Studies on the transport of nitrogenous substances in the cotton plant. I. Preliminary observations on the downward transport of nitrogen in the stem. Ann. Bot. 43: 205-231. illus. Ap.1929. no.170.

Mitter, J.H.
Saltation in the section discolor. Ann. Bot. 43: 379-410. illus. pl. ix-x. Ap.1929. no.170.
Studies in the genus Fusarium. VII(i.e.VIII)

Norman, A.G.
The biological decomposition of pectin. Ann. Bot. 43: 233-243. illus. Ap.1929. no.170.

Saxton, W. T.
Notes on conifers. I. The older fertile ovule of Saxegothaea. Ann. Bot. 43: 375-377. illus. Ap.1929. no.170.

Snow, R.
The transmission of inhibition through dead stretches of stem. Ann. Bot. 43: 261-267. illus. Ap. 1929. no.170.
Experiments with Vicia faba.

Su, M.T. & Ashby, E.
The interaction of factors in the growth of Lemna. II. Technique for the estimation of dry weight. Ann. Bot. 43: 329-332. illus. Ap.1929. no.170.

Ann. Ecole Nat. Agr. Montpellier.

Kühnholtz-Lordat, G.
La phytosociologie vue par les praticiens.
Ann. Ecole Nat. Agr. Montpellier. 19: 256-271.
[1929] (Rec'd Je.1929) no.6.

Ravaz, L. & Verge, G.
L'excoriose. Ann. Ecole Nat. Agr. Montpellier.
19: 235-255. illus., col.pl. [1929] (Rec'd Je.
1929) no.4.

Ann. Bryol.

Allorge, P.
Le Plagiochila tridenticulata (Hook.) Dum. dans
les Pyrénées basques. Ann. Bryol. 2: 2-4. 1929.

Dixon, H.N.
On a small collection of mosses from the Seychelles.
Ann. Bryol. 2: 5-9. 1929.

Fleischer, M.
Die sporenkeimung und vegetative fortpflanzung der
Ephemoropsis tjibodensis. Ann. Bryol. 2: 11-
20. 2 pl. 1929.

Fleischer, M.
Vikt. Ferd. Brotherus, 1849-1929. Ann. Bryol.
2: 1. 1929.

Garjeanne, A.J.M.
Karyostrophe bei Hookerja lucens. Ann. Bryol.
2: 25-34. illus. 1929.

Koppe, F.
Das montane element in der moosflora von Schles-
wig-Holstein. Ann. Bryol. 2: 35-66. 192

Paul, H.
Zur bryogeographie des Bayerischen waldes.
Ann. Bryol. 2: 67-86. 1929.

Schiffner, V.
Ueber epiphylle lebermoose aus Japan nebst
einigen beobachtungen über rhizoiden, elateren
und brutkörper. Ann. Bryol. 2: 87-106. illus.
1929.

Ann. Bryol. (cont.)

Smirnova, Z.N.
The distribution of Sphagnum contortum Schultz and Sphagnum quinquefarium (Lindb.) Warnst. in U.S.S.R. Ann. Bryol. 2: 107-116. illus. 1929

Verdoorn, Fr.
Revision der von Java and Sumatra angeführten Frullaniaceae. Ann. Bryol. 2: 155-164. 1929.

Verdoorn, Fr.
V.Schiffner- Expositio plantarum in itinere suo indoco annis 1893/94 suscepto collectarum speciminibusque exsiccatis distributarum, adjectis descriptionibus novarum. Series tertia (no.1473-2460). Ann. Bryol. 2: 117-154. 1929.
Frullania.

Ann. Chim. Appl. (Roma)

Padoa, M. & Vita, N.
Sull'azione dell'ossido di carbonio sulle piante verdi. Ann. Chim. Appl. 19: 141-148. Ap. 1929. no.4.

Anz. Akad. Wiss. Wien. Math.-Naturw. Kl.

Höfler, K.
Ueber sichtbare veränderungen am lebenden protoplasten, hervorgerufen durch salze. Anz. Akad. Wiss. Wien. Math.-Naturw. Kl. 65: 220-221. 1928. (Rec'd Je.1929) no.1/27.

Wagner, R.
Ueber die symmetrieverhaltnisse der rispen von Paulownia rehderiana Hand.-Maz. Anz. Akad. Wiss. Wien. Math.-Naturw. Kl. 65: 226-230. 1928. (Rec'd Je.1929)

Arch. de Bot. Caen. Mém.

Litardière, R.de.
Etude sociologiques sur les pelouses xérophiles calcaires du domaine Atlantique français. Arch. de Bot. Caen Mém. v.2, no.2. 47 p. [1929]

Guillaumin, A.
Révision des euphorbiacées de la Nouvelle-Calédonie. Arch. de Bot. Caen. Mem. v.2, no.3. 47 p. [1929]

Atti R.Acad. Naz. Lincei VI, Rend. Cl. Sci. Fis. Mat. e. Nat. (Rome)

Rivera, V.
Cicatrizzazioni sperimentali di fusto di Ricinus communis, determinate da Pseudomonas fluorescens (Flügge) Migula. Atti R. Accad. Naz. Lincei VI, Rend. Cl. Sci. Fis. Mat. e Nat. 9: 510-512. pl.i. Mr.17, 1929. no.6.

Ber Deut. Bot. Ges. (Berlin)

Beatus, R.
Ueber die selbststerilität von Cardamine pratensis. Ber. Deut. Bot. Ges. 47: 189-199. Ap.25, 1929. no.3.

Czurda, V.
Ueber pyrenoidveränderungen bei der stärkebildung in Spirogyrazellen. Ber. Deut. Bot. Ges. 47: 181-185. Ap.25, 1929. no.3.

Katz, N.
Die zwillingsassoziationen und die homologen reihen in der phytosoziologie. Ber. Deut. Bot. Ges. 47: 154-164. Ap.25, 1929. no.3.

Kniep, H.
Allomyces javanicus n.sp., ein anisogamer phycomycet mit planogameten. Ber. Deut. Bot. Ges. 47: 199-212. illus. Ap.25, 1929. no.3.

Pfeiffer, H.
Bemerkungen zur klassifikation zentripetaler wandverdickungen der pflanzenzelle. Ber. Deut. Bot. Ges. 47: 141-153. Ap.25, 1929. no.3.

Rippel, A.
Kritisches zur assimilationsgleichung von J.C. Ghosh. Ber. Deut. Bot. Ges. 47: 186-188. Ap.25, 1929. no.3.

Schiemann, E.
Zytologische beiträge zur gattung Aegilops. III. mitt. Ber. Deut. Bot. Ges. 47: 164-181. illus. pl. iv. Ap.25,1929. no.3.

Ber. Deut. Chem. Ges. (Berlin)

Asahina, Y. & Ihara, S.
Ueber die konstitution der thamnolsäure I.
Ber. Deut. Chem. Ges. 62: 1196-1207. My.1929. no.5.
Untersuchungen über flechtenstoffe V.

Meyer, K.H., Hopff, H. & Mark, H.
Ein beitrag zur konstitution der stärke.
Ber. Deut. Chem. Ges. 62: 1103-1112. illus. My.1, 1929. no.5.

Bolezni Rast. (Morbi Plant.) Leningrad.

Bryzgalova, V.A.
... Einwirkung des rostpilzes P. suaveolens auf die entwicklung von Cirsium arvense. Bolenzi Rast. (Morbi Plant.) Leningrad. 17: 101-118. 1929. no.3/4.
Russian with German summary.

Lobik, A.I.
... Materialien zur mykoflora des Terski kreises. Bolezni Rast. (Morbi Plant.) Leningrad. 17: 157-208. illus. 1929. no.3/4.
Russian with German summary and Latin diagnosis of new species.

Rodogin, M.N.
... Gloeosporium lagenarium (Pass.) Sacc. et Roum. Bolezni Rast. (Morbi Plant.) Leningrad. 17: 118-129. 1929. no.3/4.
Russian.
Biology of Gloeosporium lagenarium.

Rodigin, M.N.
... Ueber Fusarium reticulatum Mont. Bolezni Rast. (Morbi Plant.) Leningrad. 17: 154-156. 1929. no.3/4.
Russian.

Rodigin, M.N.
... Ueber Gloeosporium und Macrophoma auf cucurbitaceen. Bolezni Rast. (Morbi Plant) Leningrad. 17: 153-154. 1929. no.3/4.
Russian with Latin Diagnosis of new sp. (Macrophoma sheldonii)

Bolezni Rast. (Morbi Plant.) Leningrad. (cont.)

Vanin, S.I.

... Methoden der phytopathologischen untersuchung der pilzkrankheiten des waldes und des holzstoffs. Bolezni Rast. (Morbi Plant.) Leningrad. 17: 129-152. 1929. no.3/4.

Russian with German summary.

Boll. Tecn. R. Ist. Sper. Tabacchi Scafati.

Anastasia, G.E.

Origine e varietà di N.tabacum L. Boll. Tecn. R.Ist. Sper. Tabacchi Scafati. 26: 5-8. pl.i-iv, A-B. Ja.-F.-Mr.1929. no.1.

Bot. Mag. Tokyo.

Emoto, Y.

A list of the literature on the Myxomycetes. (1925-1928). Bot. Mag. Tokyo. 43: 173-177. Mr. 1929. no.507.

Emoto, Y.

Eine liste der literatur über die myxobacterien. Bot. Mag. Tokyo. 43: 229-232. Ap.1929. no.508.

Emoto, Y.

Ueber neue myxomyceten. Bot. Mag. Tokyo. 43: 169-173. 1 pl. Mr.1929. no.507.

Japanese with German résumé: p.172-173.

Clasteroderma debaryianum var. imperatoria, n.v., Diderma imperialis, n.sp.

Hagiwara, T.

Genetic studies on the dominant white flower in Pharbitis nil. Bot. Mag. Tokyo. 43: 133-145. illus. Mr.1929. no.507.

Honda, M.

Nuntia ad floram Japoniae II. Bot. Mag. Tokyo. 43: 189-193. Ap.1929. no.508.

Rhamnus costata var. nambuama n.v, Calamagrostis masamunei, Arundinella riparia, n.sp., Paederia chinensis, f. microphylla n.f.

Kamo, I.

Einige beobachtungen über die chromosomen von Asparagus officinalis L. Bot. Mag. Tokyo. 43: 127-133. illus. Mr.1929. no.507.

Bot. Mag. Tokyo. (cont.)

Kishinami, Y.
Ueber die reizbewegungen der blumenkronen bei der gattung Gentiana. Bot. Mag. Tokyo. 43: 217-227. illus. Ap.1929. no.508.
Japanese with German résumé: p.227.

Ohki, K.
On the systematic importance of the spodograms of the leaves of the Bambuseaceae. VI. Bot. Mag. Tokyo. 43: 193-205. illus. Ap.1929. no.508.
Japanese.

Satake, Y.
Systematic importance of spodograms of leaves in the Urticales. I- Bot. Mag. Tokyo. 43: 206-217. illus. Ap.1929. no.508.
Japanese.

Tamiya, H. & Morita, S.
Bibliographie von Aspergillus. 1729 bis 1928. Bot. Mag. Tokyo. 43: 145-156, 179-189. Mr., Ap., 1929. no.507-508.

Watanabe, A. & Tanaka, I.
Notiz ueber eine myxobakterie. Bot. Mag. Tokyo. 43: 227-228. 1 pl. Ap.1929. no.508.

Yasuda, S.
Physiological researches on the fertility in Petunia violacea. VI. Growth of the pollen tubes in the style. Bot. Mag. Tokyo. 43: 156-169. illus. Mr.1929. no.507.
Japanese with English résumé: p.168-169.

Bull. Agr. Res. Inst. Pusa.

Kulkarni, R.K. & Khadilker, T.R.
Studies in inheritance in cotton. The improvement of Dharwar American cotton by hybridization. Bull. Agr. Res. Inst. Pusa. 189. 83 p. vii pl. 1929.

Bull. Cl. Sci. Acad. Roy. Belge, (Bruxelles)

Martens, P.
Etude expérimentale des chromosomes sporocytaires dans le Tradescantia. Bull. Cl. Sci. Acad. Roy. Belg. V.15: 160-169. illus. 1929. no.3.

Bull. Dept. Agr. Canada. (Ottawa)
Mounce, I.
The biology of Fomes pinicola (Sw.) Cooke.
Bull. Dept. Agr. Canada. n.s., 111. 74 p. pl.i-x. 1929.
Studies in forest pathology II.

Bull. Dept. Agr. Kenya (Nairobi)
McDonald, J.
Diseases of maize and notes on a parasitic maize weed in Kenya. Bull. Dept. Agr. Kenya. 20. 7 p. illus. 1928(Rec'd Je.1929)
Witchweed (Striga hermonthica) is the maize weed.

McDonald, J.
Fungoid diseases of coffee in Kenya Colony.
Bull. Dept. Agr.Kenya. 21. 24 p. illus. 1928(Rec'd Je.1929)

Bull. Min. Agr. Egypt. Techn. & Sci. Serv.
Templeton, J.
The branching of Egyptian cotton plants.
Bull. Min. Agr. Egypt. Techn. & Sci. Serv. 87. 5 p. 2 pl. 1929.

Bull. N.Y. Bot. Gard.
Dodge, B.O.
Report of the plant pathologist. Bull. N.Y. Bot. Gard. 13: 373-375. 1929. no.50.
In the Report of the director of the garden for 1928.

Bull. Res. Dept. United Fruit Co.
Hartman, A.N., Kieffer, A.R., Gorman, G.F. & Harvey, F.W.
Banana root studies. Bull. Res. Dept. United Fruit Co. no.1. 9 p. 6 pl. S.1928 (Rec'd Ap. 1929)
Mimeographed.

Wolfson, A.M.
Morphology of the banana, its structure and composition. Bull. Res. Dept. United Fruit Co. no.6. 13 p. vii pl. D.1928(Rec'd Ap.1929).
Mimeographed.

Bull. Soc. Centr. For. Belgique. (Bruxelles)

Ledoux, P.

Documents et études de drymologie et de phytotechnologie. Bull. Soc. Centr. For. Belgique. 36:153-169. Ap.1929. no.4.

I. Du progrès des méthodes phytogéographiques et de l'évolution de la drymologie pure et appliquée.

Marchal, E.

A propos de la "maladie de l'orme". Bull. Soc. Centr. For. Belgique. 36: 169-172. Ap.1929. no.4.

Bull. Soc. Chim. Biol. (Paris)

Bridel, M. & Grillon, S.

Sur le présence de notables quantités de monotropitoside dans le Gaultheria procumbens L. (plante entière), apprès dessiccation. Bull. Soc. Chim. Biol. 11: 466-474. Ap.1929. no.4.

Compt. Rend. Acad. Agr. France. (Paris)

Miège, E.

Observations sur "l'empreinte" des glumes du blé. Compt. Rend. Acad. Agr. France. 15: 618-622. 1929. no.15.

Compt. Rend. Acad. Sci. Paris.

Becquerel, P.

La vie latente des grains de pollen dans le vide à 271° C. au-dessous de zéro. Compt. Rend. Acad. Sci. Paris. 188: 1308-1310. My.13, 1929. no.20.

Bertrand, G. & Voronca-Spirt, Mlle. C.

Le titane dans les plantes phanérogames. Compt. Rend. Acad. Sci. Paris. 188: 1199-1202. My.1929. no.19.

Genevois, L.

Les variations de l'intensité respiratoire et de l'intensité de fermentation dans les tissus du pois. Compt. Rend. Acad. Sci. Paris. 188: 1338-1340. My.22, 1929. no.21.

Lutz, L.

Sur les ferments solubles sécrétés par les champignons hyménomycetes. Les alcaloïdes et la fonction anti-oxygène. Compt. Rend. Acad. Sci. Paris. 188:1342-1344. My.22,1929. no.21.

Compt. Rend. Acad. Sci. Paris. (cont.)

Mangin, L.

[Dr.Trabut] Compt. Rend. Acad. Sci. Paris. 188: 1193-1194. My.1929. no.19.

Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS)

Domin, K.

Koeleriae gracilis varietas nova caucasica. Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) 1929, A: 141-142.

K.gracilis var. buschiana, K.caucasica (Trin.) Dom. f. (an.var.?) leiophylla.

Sochava, V.B.

... Une nouvelle espèce de Bromus - Bromus vogulicus sp.n. Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. USSR.) 1929, A: 165-167. illus. no. 7.

Russian with Latin diagnosis.

Znamenskii, I.

About changes occurring in the cytological structure and some physiologic processes in the cells of Mnium cuspidatum under the influence of dehydration. Dokl. Akad. Nauk. SSSR (Compt. Rend. Acad. Sci. URSS) 1929, A: 143-146. no. 6.

Empire Mark. Bd. [Publ.] (London)

Akenhead, D.

Biticultural research. Empire Mark. Bd. [Publ.] 11. 70 p. N.1928 (Rec'd My.1929)

Powell, C. H.

Grapefruit culture in the British West Indies and British Honduras. Empire Mark. Bd. Publ. 13. 53 p. illus. D.1928 (Rec'd My.1929)

Flora. (Jena)

Goebel, K.

Archegoniatenstudien. XVII (bis) Roraimafarne. Flora. 124: 1-37. illus. 1929. no.1.

Hymenophyllopsis dejecta n.g., n.sp., Pleurogramme luetzelburgiana, n.sp.

Flora. (cont.)

Hayata, B.
Ueber die systematische bedeutung des stelären systemes in den polypodiaceen. Flora. 124: 38-62. illus., pl.i-ii. 1929. no.1.

Kugler, H.
Blütenökologische untersuchungen an Bryonia dioica Jacq. Flora. 124: 94-118. illus. 1929. no.1.

Sommer, B.
Ueber entwicklungshemmungen bei samenanlagen. Flora. 124: 63-93. illus. 1929. no.1.

Floralia. (Assen, Netherlands)

Kamerling, Z.
Bestuiving na wegsnijden van den stempel. Floralia. 50: 330-331. illus. My.24,1929. no.21.

Schenk, P.J.
Ziekten van frambozen. Floralia. 50: 324. My.17,1929. no.20.

Forestry (Gt.Brit.) (London)

Day, W.R.
Damage by late frost on Douglas fir, Stika spruce, and other conifers. Forestry (Gt.Brit.) 2: 19-30. 1 pl. 1928 (Rec'd My.1929) no.1.

Fortschr. Landw. (Vienna)

Popovici-Lupa, T.
Saugkraftuntersuchungen an weinreben. Fortschr. Landw. 4: 310-313. My.15,1929. no.10.

Gard. Chron. (London)

Comber, J.
Some perennial species of Lathyrus. Gard. Chron. III, 85: 366. My.18,1929. no.2212.

Darnell, A.W.
The genus Primula. (cont.) Gard. Chron. III, 85: 367. My.18,1929. no.2212.

Gard. Chron. (cont.)

Edwards, A.
Narcissus rupicola Duff. Gard. Chron. III, 85: 349. illus. My.11,1929. no.2211.

Elliot, C.
Chile and the Andes. XI. Gard. Chron. III, 85: 346. illus. My.11,1929. no.2211.

Hall, Sir D.
The tulip. Gard. Chron. III, 85: 363-364. My.18, 1929. no.2212.
Abstract of a lecture delivered by Sir Daniel Hall, at the Royal Institution of Gt.Britain, My.3.

Ward, F.K.
Mr. F. Kingdon Ward's tenth expedition in Asia.XX. (Some tree rhododendrons)-XXI. Gard. Chron. III, 85: 362-363, 380-381. illus. My.18,25, 1929. no.2212-13.

White, C.T.
Jacaranda atrolilacina, n.sp. Gard. Chron. III, 85: 347-348. illus. My.11,1929. no.2211.

Worsley, A.
Hippeastrum procerum. Gard. Chron. III, 85: 337-379. illus. My.25, 1929. no.2213.

Gartenbauwissensch. (Berlin)

Bach, F.
Kreuzungsversuche mit weiszem winterkalvill. Eine neue apfelxenie. Gartenbauwissensch. 1: 615-618. My.4,1929. no.6.

Lohwag, H.
Einige gewächschauspilze. Gartenbauwissensch. 1: 619-623. illus. My.4,1929. no.6.

Nebel, B.
Zur cytologie von Malus und Vitis. Gartenbauwissensch. 1: 549-592. illus. My.4,1929. no.6.

Niethammer, A.
Die charakteristik der lebenskaft verschiedenen samenmaterials auf chemischer, physikalischer und rechnerischer grundlage. Gartenbauwissensch. 1: 593-614. My.4,1929. no.6.

Gartenw. (Berlin)

Algermissen, K.
Usgulun als reizmittel. Gartenw. 33: 275. illus. My.17,1929. no.20.

Gassner, G. & Heuer, W.
Frühtreiben mittels cyancalcium. Gartenw. 33: 274-275. My.17,1929. no.20.

Gladiolus Rev. (Rochester, N.Y.)

Lemoine, E.
The hardy gladiolus hybrids. Gladiolus Rev. 6: 223-226. illus. Je.1929. no.6.
A lecture delivered before the Royal Horticultural Society of London, England, September 9, 1890. Translated by H.C. Pety (Ohio).

Prof. Alvin Casey Beal. Gladiolus Rev. 6: 227, 246. port. Je.1929. no.6.

Hawaiian Plant. Rec. (Honolulu)

Bell, A.F.
A distribution chart of sugar cane diseases of the world. Hawaiian Plant. Rec. 33: 146-147. fold. tab. Ap.1929. no.2.

Carpenter, C.W.
Notes on Pythium root rot. Hawaiian Plant. Rec. 33: 155-169. illus. Ap.1929. no.2.

Martin, J.P.
The germination of healthy and mosaic-affected cuttings selected from the same stool. Hawaiian Plant. Rec. 33: 143-146. Ap.1929. no.2.

Helvetica Chim. Acta (Basel)

Kuhn, R. & Wiegand, W.
Der farbstoff der judenkirschen (Physalis alkelengi und Physalis franchetti). Helvetica Chim. Acta. 12: 499-506. 1 pl. 1929. no.3.
Ueber konjugierte doppelbindungen IX.

Horticulture. (Boston)

Wilson, E.H.
The "Siberian" elm. Horticulture. 7: 283. illus. Je.1,1929. no.2.
Ulmus pumila.

House & Gard. (Greenwich, Conn.)

Durand, H.

Colorado alpines now available. House & Gard. 55(6): 108-109, 154, 156-158, 180. illus. Je. 1929.

Nicolas, J.H.

More notes on breeding new roses. House & Gard. 55(6): 100, 146. Je.1929.

Wilson, E.H.

The noteworthy family of Enkianthus. House & Gard. 55(6): 84, 142, 180. illus. Je.1929.

Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) (Leningrad)

Bobrov, E.G.

... Vegetationsskizze des südwestlichen Uralgebietes. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS). 28: 41-74. 1929. no.1/2.
Russian with German summary.

Kokina, S.I.

... Einwirkung des wassergehaltes im boden auf die intensität der transpiration und der assimilation der pflanzen. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) 28: 184-214. 1929. no.1/2.
Russian with German summary.

Komarov, V.L.

... Corylus brevituba sp.nova. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) 28: 215-219. illus. 1929. no.1/2.
Russian with Latin diagnosis.

Kükenthal, G.

Eine neue Carex aus Buchara. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin URSS) 28: 220. 1929. no.1/2.
C.pseudomacrogyna.

Kuznetzov, N.I.

... A la mémoire de G.I. Tanfiliew. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin.URSS) 28: 5-11. port. 1929. no.1/2.
Russian with French résumé.

Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) (cont.)

Pobedimova, E.G.
Einwirkung der elektrischen beleuchtung auf die entwicklung der Stellaria media (L.) Cyr. Izv. Glavn. Bot. Sada. SSSR (Bull. Jard. Bot. Prin. URSS) 28: 75-94. illus. 1929. no.1/2.
Russian with German summary.

Schennikov, A.P. & Golubeva, M.M.
... Beitrage zur geographie und oekologie der sphagnumarten in gouvernement Archangelks. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) 28: 163-183. 1929.
Russian with German summary.

Voronikhin, N.N.
... Materialien zum studium de algenvegetation in den seen der Kulundin Steppe. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. URSS) 28: 12-40. illus. 1929. no.1/2.
Russian with German summary and Latin diagnosis of new species (Golenkinia parvula, Aphanocapsa salina, Anabaena pseudovariabilia, Anabaenospis milleri, A. nadsonii).

Voronikhin, N.N. & Khakhina, A.G.
... Zur biologie der salzseen in der Kulundin Steppe. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) 28: 149-162. illus. 1929. no.1/2.
Russian with German summary and Latin diagnosis of new species (Dzensia (n.g.) salina, Oscillatoria dženan-sor)

Zinserling, G.D.
... Uebersicht der moorvegetation längs des mittelstroms der Petschora. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) 28: 95-128. illus. 1929. no.1/2.
Russian with German summary.

Jahrb. Wiss. Bot. (Leipzig)

Boysen-Jensen, P. & Müller, D.
Die maximale ausbeute und der tägliche verlauf der kohlensäureassimilation. Jahrb. Wiss. Bot. 70: 493-502. illus. Ap.1929. no.4.

Boysen-Jensen, P. & Müller, D.
Ueber die kohlensäureassimilation bei Marchantia und Peltigera. Jahrb. Wiss. Bot. 70: 503-511. Ap.1929. no.4.

Jahrb. Wiss. Bot. (cont.)

Maekawa, T.
Widerstands- und selbstregulierungsvermögen gegen geschlechtsänderung bei handpflanzen und seine beziehung zur theorie der geschlechtsbestimmung. Jahrb. Wiss. Bot. 70: 512-564. illus. Ap.1929. no.4.

Pohl, F.
Oelüberzüge verscheidener pflanzenorgane, besonders der blüte. Zugleich ein betrag zur ökologischen blütenanatomie. Jahrb. Wiss. Bot. 70: 565-655. illus. Ap.1929. no.4.

Journ. Agr. Res. (Wash., D.C.)

Collins, G.N., Flint, L.H. & McLane, J.W.
Electric stimulation of plant growth. Journ. Agr. Res. 38: 585-600. illus. Je.1,1929. no.11.

Garber, R.J. & Hoover, M.M.
Natural crossing between oat plants of hybrid origin. Journ. Agr. Res. 38:647-648. Je.1, 1929. no.11.

Harris, J.A., Harrison, G.J. & Lockwood, E.K.
A criterion of the differentiation of varieties or of experimental areas with respect to their capacity to produce seedling stands of cotton. Journ. Agr. Res. 38: 601-621. Je.1,1929. no.11.

Zehner, M.G. & Humphrey, H.B.
Smuts and rusts produced in cereals by hypodermic injection of inoculum. Journ. Agr. Res. 38: 623-627. illus. Je.1,1929. no.11.

Journ. Bot. (London)

Bennett, A., Salmon, C.E. & Matthews, J.R.
Second supplement to Watson's "Topographical botany." Journ. Bot. 67(suppl.): 1-8. My. 1929. no.797.

Exell, A.W.
New and noteworthy species of Combretum from western tropical Africa (cont.) Journ. Bot. 67: 139-145. My.1929. no.797.

Journ. Bot. (cont.)

Lacaita, C.C.
Duriaei iter asturicum botanicum. (cont.) Journ. Bot. 67: 151-154. My.1929. no.797.

Moore, S.
Notes on Jamaica plants. (cont.) Journ. Bot. 67: 129-132. My.1929. no.797.

Novitates africanae (cont.) Journ. Bot. 67: 132-139. My.1929. no.797.

Wilmott, A.J.
Annotationes systematicae I. Journ. Bot. 67: 149-150. My.1929. no.797.
I. New primulas from Spain (P.hispanica, P.legionensis).

Journ. Dept. Agr. Victoria.(Melbourne)

Fish, S.
Apricot scab or shot hole. A synopsis of three years' work on control conducted in the Goulburn Valley. Journ. Dept. Agr. Victoria. 27: 235-239. Ap.1929. no.4.

Journ. Hered. (Wash., D.C.)

Laibach, F.
Ectogenesis in plants. Methods and genetic possibilitiesof propagating embryos otherwise dying in the seed. Journ. Hered. 20: 201-208. illus. My.1929. no.5.

McClintock, B.
A 2N-1 chromosomal chimera in maize. Journ. Hered. 20: 218. illus. My.1929. no.5.

Merrill, S.jr.
Pear growing with selected buds. Journ. Hered. 20: 213-217. illus. My.1929. no.5.

Landbouw. Tijdschr. Vereen. Landb. Nederl.-Indië. (Buitenzorg)

Franssen, C.J.H.
De teelt op Java van eenige gewassen behoorende tot het geslacht Allium. Landbouw. Tijdschr. Vereen Landb. Nederl.-Indie. 4: 567-602. Mr.1929. no.9.

Magyar Bot. Lap. (Budapest)

Aellen, P.
Chenopodium strictum Roth (1821), ein älterer name für Chenopodium striatum (Kras.) Murr (1896). Magyar Bot. Lap. 27: 105-107. 1929. no.1/12.

Becherer, A.
Zur nomenklatur der gattung Aremonia. Magyar Bot. Lap. 27: 15-17. 1929. no.1/12.

Bihari, J.
Neue Rumex-arten und bastarde. Magyar Bot. Lap. 27: 70-86. pl.i-iv. 1929. no.1/12.

Börnmüller, J.
Zur flechtenflora Macedoniens. Magyar Bot. Lap. 27: 98-104. 1929. no.1/12.

Degen, A.v.
A Rosa caesia Sm. és a Rosa rubrifolia Vill.-nak Bulgariában való elöfordulásáról. (Ueber das vorkommen der Rosa caesia Sm. und der Rosa rubrifolia Vill. in Bulgarien). Magyar Bot. Lap. 27: 67-69. 1929. no.1/12.

Boros, A.
A Pannonicum és Praeillyricum flöra vidékek kapesolata. (Les rapports entre les territoires floraux Pannonicum et Praeillyricum). Magyar Bot. Lap. 27: 51-56. map. 1929. no.1/2.
French.

Gáyer, G.
Dendrologiai jegyzetek. (Dendrologische notizen). Magyar Bot. Lap. 27: 13-14. 1929. no.1/12.
Salix györffyi nov. comb.

Gyelnik, V.
Lichenologiai közlemények 4-7. (Notes on lichens 4-7). 4. Three species of Peltigera from the tropical Africa. 5. Emendation. 6. Studies of Peltigera. 7. P.scutata (Dicks.) Leight. f. septentrionalis Gyel. n.f. Magyar Bot. Lap. 27: 91-93. 1929. no.1/12.

Magyar Bot. Lap. (cont.)

Kummerle, J.B.
Ueber das vorkommen der Azolla filiculoides in Italien und Japan. Magyar Bot. Lap. 27: 65-66. 1929. no.1/12.

Margittai, A.
Az Iris hungarica W. et K. újabb termöhelyei. (Neue standorte von Iris hungarica W.K.) Magyar Bot. Lap. 27: 17-18. 1929. no.1/12.

Moesz, G.
Új gombák Szekszárd vidékéről. (Fungi novi regionis Szekszärdiensis, descripti a Dre Lad. Hollós) Magyar Bot. Lap. 27: 56-63. 1929. no.1/12.

Nyárády, E.J.
Neue und seltene achilleen in den Ost-Karpaten. Magyar Bot. Lap. 27: 86-91. illus. 1929. no.1/12.

Pénzes, A.
Eleusine indica (L.) Gaertn., Budapest új behurcolt növenye. (Eleusine indica (L.) Gaertn. als neue adventiv-pflanze in der flora von Budapest. Magyar Bot. Lap. 27: 113. illus. 1929. no.1/12.

Polgár, S.
Egy új hazai Ornithogalum-faj. (Eine neue Ornithogalum-art aus Ungarn). Magyar Bot. Lap. 27: 19-25. illus. 1929. no.1/12.
O.degenianum, n.sp.
Latin diagnosis and German summary.

Szatala, O.
Adatok Magyarország zuzmóflórajának ismeretehez. III. (Beiträge zur kenntnis der flechtenflora Ungars III). Magyar Bot. Lap. 27: 25-50. 1929. no.1/12.

Szepesfalvi, J.
Beiträge zur fossilen flora des Alföld's. (Ungarisches tiefland) Magyar Bot. Lap. 27: 107-112. 1929. no.1/12.

Magyar Bot. Lap. (cont.)

Szepesfalvi, J.

Májmohák Budapest és a Pilishegység területéről. (Lebermoose aus der umgebung von Budapest und aus dem Pilisgebirge). Magyar Bot. Lap. 27: 1-12. 1929. no.1/12.

Hungarian with German translation: p.8-12.

Zólyomi, B.

Adatok a Bükk-hegység és környéke flórájához. (Beiträge zur flora des Bükk-gebirges und seiner umgebung. Magyar Bot. Lap. 27: 63-64. 1929.

Minn. Hort. (Minneapolis)

Control of mosaic and other virus diseases of the raspberry. Minn. Hort. 57: 141-143. My.1929. no.5.

Möller's Deut. Gärtn.-Zeit. (Erfurt)

Frič, A. V.

Die letzte kakteenjagd des forschers. Möller's Deut. Gärtn.-Zeit. 44: 169-170. illus. My.21, 1929. no.15.

Monatsschr. Deut. Kakteen-Ges. (Berlin)

Gräser, R.

Von Echinocactus scopa var. candida. Monatsschr. Deutsch. Kakteen-Ges. 1: 103-105. illus. My.1929. no.5.

Kupper, W.

Cereus trollii n.spec. Monatsschr. Deutsch. Kakteen-Ges. 1: 96-98. illus. My.1929; no.5.

Seitz,

Das kakteensanatorium. Monatsschr. Deutsch. Kakteen-Ges. 1: 98-101. My.1929. no.5.

Monatsschr. Deut. Kakteen-Ges. (cont.)
Tischer, A.
Aus N.E. Browns Mesembrianthemum-studien. IX. Glottiphyllum, Haw. Monatsschr. Deutsch. Kakteen-Ges. 1: 105-108. illus. My.1929. no.5.

Nat. Hist. Mag. (London)
Exell, A.W.
Two eighteenth-century American naturalists: John and William Bartram. Nat. Hist. Mag. 2: 50-58. illus. Ap.1929. no.10.

Natur. u. Mus. Ber. Senchenb. Naturf. Ges. (Frankfurt a.M.)
Burck, O.
Mistelbäume. Natur. u. Mus. Ber. Senckenb. Naturf. Ges. 58: 581-586. illus. D.1928. no.12.

Frisch, K.v.
Die biologische bedeutung von blumenfarbe und blüdendust. Natur. u. Mus. Ber. Senckenb. Naturf. Ges. 58: 537-545. illus. D.1928. no.12.

Nature. (London)
Marsden-Jones, E.M. & Turrill, W.B.
Variations in sex expression in Ranunculus. Nature. 123: 598-599. My.25, 1929. no.3108.

New Jersey Agr. (New Brunswick)
How potassium affects sweet potatoes. New Jersey Agr. 11(6): 10-11. illus. Je.1929. no.6.

New Phytol. (London)
Grove, W.B.
The pycnidia of the rust fungi. New Phytol. 28: 162-164. My.22, 1929. no.2.

Robinson, M.E.
The protein metabolism of the green plant. New Phytol. 28: 117-149. My.22, 1929. no.2.

Watson, W.
The classification of lichens. Part II. New Phytol. 28: 85-116. My.22,1929. no.2.

New Phytol. (cont.)

Worsdell, W.C.

The structure of fasciated plants of Campanula carpatica Jacq. New Phytol. 28: 150-161. illus. pl.iv. My.22,1929. no.2.

New Zeal. Journ. Agr. (Wellington)

Atkinson, E.H.

Weeds and their identification. New Zeal. Journ. Agr. 38: 266-268. illus. Ap.1929. no.4.

Apple of Peru (Nicandra physaloides)

Notizbl. Bot. Gart. Berlin.

Burret, M.

Neue und kritische arten der palmengattung Mauritia. Notizbl. Bot. Gart. Berlin. 10: 565-574. Mr.30,1929. no.96.

Burret, M.

Die palmengattungen Orbignya, Attalea, Scheelea und Maximiliana. Notizbl. Bot. Gart. Berlin. 10: 493-543. illus. Mr.30,1929. no.96.

Fries, R. & Fries, Th.C.E.

Beiträge zur kenntnis der flora des Kenia, Mt. Aberdare und Mt. Elgon XII. Notizbl. Bot. Gart. Berlin. 10: 594-621. Mr.20,1929. no.96.

Harms, H.

Bromeliaceae novae II. Notizbl. Bot. Gart. Berlin. 10: 575-582. Mr.30,1929. no.96.

Mattfeld, J.

Individuelle heterophyllie, nicht sippendifferenzierung bei Abies alba Mill. Notizbl. Bot. Gart. Berlin. 10: 583-593. Mr.30,1929. no.96.

Melchior, H.

Rinorea lindeniana, eine verkannte violaceenart des tropischen Sudamerika. Notizbl. Bot. Gart. Berlin. 10: 544-550. Mr.30,1929. no.96.

Schulz, O.E.

Amerikanische cruciferen verschiedener herkunft. Notizbl. Bot. Gart. Berlin. 10: 558-564. Mr.30,1929. no.96.

V.11, no.12, p.25.

Notizbl. Bot. Gart. Berlin. (cont.)

Schulz, O.E.

Asiatische cruciferen verschiedener herkunft. Notizbl. Bot. Gart. Berlin. 10: 554-557. Mr.30, 1929. no.96.

Schulz, O. E.

Cheesemania, eine neue australische cruciferengattung. Notizbl. Bot. Gart. Berlin. 10: 550-553. Mr.30, 1929. no.96.

Oesterr. Zeitschr. Kartoffelb. (Wien)

Böhme, H.

Drei studien über die kartoffelwurzel. Oesterr. Zeitschr. Kartoffelb. 1929: 11-24. Ap.1929.

Ohio Journ. Sci. (Columbus)

Gordon, R. B.

Suggested equations for the photosynthetic reaction. Ohio Journ. Sci. 29: 131-132. My. 1929. no.3.

Schaffner, J. H.

Principales of plant taxonomy, VI. Ohio Journ. Sci. 29: 133-140. My.1929. no.3.

Orchid Rev. (Richmond, England)

The genus Ansellia. Orchid Rev. 37: 137-138. My.1929. no.431.

Oregon State Bd. For. Bull.

Peavy, G. W.

Oregon's commercial forests. Oregon State Bd. For. Bull. no.2. (rev.) 94 p. illus. Ja.1929.

Philipp. Journ. Sci. (Manila)

Marañon, J.M.

An alkaloidal constituent of Artabotrys suaveolens Blume. Philipp. Journ. Sci. 38: 259-265. 2 pl. Mr.1929. no.3.

Artabotrine.

Santos, J.K.

Histological and microchemical studies on the bark and leaf of Artabotrys suaveolens Blume from the Philippines. Philipp. Journ. Sci. 38: 269-280. 3 pl. Mr.1929. no.3.

Philipp. Journ. Sci. (cont.)

Skvortzow, B. W.
Fresh-water diatoms from Korea, Japan. Philipp. Journ. Sci. 38: 283-289. 1 pl. Mr.1929. no.3.

Phytopath. (Lancaster, Pa.)

Barss, H.P.
Some present-day problems. Phytopath. 19: 493-501. My.1929. no.5.

Carter, W.
Ecological studies of curly top of sugar beets. Phytopath. 19: 467-477. illus. My.1929. no.5.

Fawcett, H. S.
Nematospora on pomegranates, citrus and cotton in California. Phytopath. 19: 479-482. illus. My. 1929. no.5.

Gardner, M. W.
Sporotrichum fruit spot and surface rot of apple. Phytopath. 19: 443-452. pl.viii-x. My.1929. no.5.

Hanna, W. F.
Studies in the physiology and cytology of Ustilago zeae and Sorosporium reilianum. Phytopath. 19: 415-442. illus pl. vii. My.1929. no.5.

Haskell, R.J.
The second decade of the American Phytopathological Society. Phytopath. 19: 503-506. My.1929. no.5.

Lachmund, H. G.
Cronartium comptoniae Arth. in western North America. Phytopath. 19: 453-466. illus. My.1929. no.5.

McCubbin, W. A.
Plant quarantines and the State. Phytopath. 19: 487-492. My.1929. no.5.

Miller, P. A.
A disease of Lippia caused by Sclerotium rolfsii Sacc. Phytopath. 19: 509-510. illus. My.1929. no.5.
L.canescens.

Phytopath. (cont.)

Riker, A.J., Keitt, G.W. & Banfield, W. M.
A progress report on the control of crown gall, hairy root, and other malformations at the unions of grafted apple trees. Phytopath. 19: 483-486. My.1929. no.5.

Valleau, W.D. & Fergus, E.N.
Black-stem disease of alfalfa, sweet clover, and red clover. Phytopath. 19: 507-509. My.1929 no.5.

Planta, Arch. Wiss. Bot. (Berlin)

Bendrat, M.
Zur physiologie der organischen säuren in grünen pflanzen. VI. Ein beitrag zur kenntnis des säure-stoffwechsels sukkulenter pflanzen. Planta, Arch. Wiss. Bot. 7: 508-584. My.2, 1929. no.4.

Breslawetz, L.
Zytologische studien über Melandrium album L. Planta Arch. Wiss. Bot. 7: 444-460. illus. My.2, 1929. no.4.

Bünning, E.
Ueber die blaauwsche theorie des phototropismus Planta Arch. Wiss. Bot. 7: 650-652. My.2, 1929. no.4.

Cholodny, N.
Einige bemerkungen zum problem der tropismen. Planta, Arch. Wiss. Bot. 7: 461-481. My.2,1929. no.4.

Kachidze, N.
Karyologische studien über die familie der Dipsacaceae. Planta, Arch. Wiss. Bot. 7: 482-502. illus. My.2, 1929. no.4.

Mothes, K.
Physiologische untersuchungen über das asparagin und das arginin in coniferen. Ein beitrag zur theorie der ammoniakentgiftung im pflanzlichen organismus. Planta Arch. Wiss. Bot. 7: 585-649. My.2, 1929. no.4.

Planta, Arch. Wiss. Bot. (cont.)

Ruhland, W. & Wetzel, K.
Zur physiologie der organischen säuren in grünen pflanzen. V.Weitere untersuchungen an Rheum hybridum hort. (Vorläufige mitteilung) Planta Arch. Wiss. Bot. 7: 503-507. My.2, 1929, no.4.

Tuschnajakowa, M.
Untersuchungen über die kernbeschaffenheit einiger diözischer pflanzen. Planta Arch. Wiss. Bot. 7: 427-443. My.2, 1929. no.4.

Plant. & Sugar Manuf. (New Orleans)

Faris, J. A.
Some pathological effects of the mosaic disease of sugar cane. Plant. & Sugar Manuf. 82: 404-405. My.25, 1929. no.21.

Prakt. Blätt. Pflanzenb. u. Pflanzensch. (Freising)

Böning, K.
Die brennfleckenkrankheit des tabaks. Prakt. Blätt. Pflanzenb. u. Pflanzensch. 7: 36-40. My.1929. no.2.

Proc. Amer. Phil. Soc. (Philadelphia)

Harshberger, J. W.
The vegetation of the screes, or talus slopes of western North America. Proc. Amer. Phil. Soc. 68: 13-25. 6 pl. 1929. no.1.

Trelease, W.
Lindeniopiper, a generic segregate from Piper. Proc. Amer. Phil. Soc. 68: 53-54. 1929. no.1.

Proc. New Jersey State Hort. Soc.

Martin, W. H.
Fruit diseases of the year. Proc. New Jersey State Hort. Soc. 1928: 34-44. 1929.
Results of apple scab control studies, 1926,1927, 1928: p.41-43; discussion: p.40-41, 43-44.

Martin, W. H.
Some serious vegetable diseases and their control. Proc. New Jersey State Hort. Soc. 1928: 87-94. 1929.

Rep. Blister Rust Control Conf.

Baker, C. E.
Black currant eradication - 1928. Rep. Blister Rust Control Conf. 14: 10-14. [1929]
Mimeographed.

Clave, W.
Use of chemicals as ribicides. Rep. Blister Rust Control Conf. 14: 16-20. [1929]
Mimeographed.

Clinton, G.P.
The willow scab disease. Rep. Blister Rust Control Conf. 10: 21-22. [1929]
Mimeographed.

Conner, S. D.
Skunk currant eradication. Rep. Blister Rust Control Conf. 14: 23-25. [1929]
Mimeographed

Fivaz, A. E.
Ribes ecology. Rep. Blister Rust Control. Conf. 14: 27-29. [1929]
Mimeographed.

Martin, J.F.
The blister rust control problem in the Eastern United States. Rep.Blister Rust Control Conf. 14: 43-46. [1929]
Mimeographed.

Pennington, L. H.
Epidemiology of white-pine blister rust - 1928. Rep. Blister Rust Control. Conf. 14: 60-63. [1929]
Mimeographed.

Posey, G. B.
Blister rust control in the West. Rep. Blister Rust Control. Conf. 14: 67-71. [1929]
Mimeographed.

Riley, J. E.
Systematic control work. Rep. Blister Rust Control Conf. 14: 72-80. [1929].
Mimeographed.

Rep. Blister Rust Control Conf. (cont.)

Spaulding, P.
The European larch canker in Massachusetts. Rep. Blister Rust Control Conf. 14: 89. [1929]
Mimeographed.

York, H.H.
The woodgate rust. Rep. Blister Rust Control Conf. 14: 101-104. [1929]
Mimeographed.

Rev. Fac. Agron. Univ. La Plata.

Hirschhorn, J.
Contribución al estudio de la fisiologia del injerto en citrus. Influencia de la altura y de la orientación del injerto sobre el "patron". Rev. Fac. Agron. Univ. La Plata. 18: 250-278. illus. D.1928 (Rec'd Je.1929) no.2.

Molfino, J. F.
Nuevas adiciones a la flora fanerogámica adventicia de la Argentina. Rev. Fac. Agron. Univ. La Plata. 18: 139-156. illus. D.1928 (Rec'd Je.1929) no.2.

Ringuelet, E. J.
Anatomia comparada de algunas gramineas Argentinas. Datos histológicos y etológicos de la hoja. Rev. Fac. Agron. Univ. La Plata. 18: 157-179. illus. D.1928 (Rec'd Je.1929) no.2.

Rev. Hort. (Paris)

Bellair, G.
Les noms en botanique horticole. Rev.Hort. 101: 415-416. My.16, 1929. no.17.

Guillaumin, A.
Les cactées, principales espèces (cont.) Rev. Hort. 101: 426-427. illus. My.16,1929. no.17.

Lesourd, F.
Les plus gros arbres de France. Première partie: Feuillus (cont.) Rev. Hort. 101: 422-423. illus. My.16, 1929. no.17.
Zelkowa crenata.

Sabourin, L.
Le Buddleia fallowiana et sa variété alba. Rev. Hort. 101: 418-420. illus. My.16,1929. no.17.

Rev. Hort. Algérie. (Alger)
André, E.
L'aleurone des graines oléagineuses substance alimentaire. Rev. Hort. Algérie. 33: 72-78. 1929. no.4.

Rev. Path. Veg. & Entom. Agr. (Paris)
Dufrenoy, J., Stamatinis, N. & Sarejanni, J.
Etudes cytologiques sur la mosaïque du tabac. Rev. Path. Veg. & Entom. Agr. 16: 106-117. illus. Mr.1929 (Rec'd Je.) no.3.

Rhodora. (Boston)
Mackenzie, K.K.
The generic name Radicula. Rhodora. 31: 119-120. Je.1929. no.366.

Fernald, M.L.
Polygonella articulata (L.) Meisn., forma atrorubens, n.f. Rhodora. 31: 106. Je.1929. no.366.

New England botanical club.
Preliminary lists of New England plants XXXII. Gramineae (Maydeae, Andropogoneae, Paniceae) Rhodora. 31: 106-118. Je.1929. no.366.
7th report of the committee on floral areas.

Robbins C. A.
The identity of Cladonia lepidota Fries. Rhodora. 31: 101-106. pl. 187. Je.1929. no.366.
C. simulata, n.sp.

Science. (Lancaster, Pa.)
Durst, C. E.
Inheritance in lettuce. Science. 69: 553-554. My.24, 1929. no.1795.

Poison ivy. Science. v.69, no.1795. suppl. p.xii. My.24,1929.

Sitzungsb. Akad. Wiss. Wien. Math.-Naturw. Kl. Abt.I.
Bothe, F.
Ueber den einfluss des substrats und einiger anderer faktoren auf leuchten und wachstum von mycelium x und Agaricus melleus. Sitzungsb. Akad. Wiss. Wien. Math.-Naturw. Kl. Abt.I. 137: 595-626. 1928 (Rec'd Je.1929) no.8.

Sitzungsb. Akad. Wiss. Wien. Math.-Naturw. Kl. Abt.I. (cont.)

Frenzel, W.

Ernährung und farbstoffbildung von Chlorosplenium aeruginosum (Oed.) Sitzungsb. Akad. Wiss. Wien. Math.-Naturw. Kl. Abt.I, 137: 717-746. plate. 1928 (Rec'd Je.1929) no.9.

Gleispach, M.

Ueber den einfluss vom dämpfen und gasen auf den laubfall und andere organablösungen. Sitzungsb. Akad. Wiss. Wien. Math.-Naturw. Kl. Abt.I, 137: 661-689. 1928 (Rec'd Je.1929) no.9.

Paltauf, A.

Die lebensfärbung von zellkernen. Sitzungsb. Akad. Wiss. Wien. Math.-Naturw. Kl. Abt.I,137: 691-716. 1928 (Rec'd Je.1929) no.9.

South African Gard.(Johannesburg)

Bolus, L.

Mesembrianthemum and allied genera. (cont.) South African Gard. 19: 144. illus. My.1929.

Trans. & Proc. New Zeal. Inst. (Wellington, N.Z.)

Laing, R.M. & Oliver, W.R.B.

Vegetation of the upper Bealey river basin, with a list of the species. Trans. & Proc. New Zeal. Inst. 59: 715-730. Mr.28, 1929. no.4.

Oliver, W.R.B.

A revision of the genus Dracophyllum. Trans. & Proc. New Zeal. Inst. 59: 678-714. pl.78-102. Mr.28, 1929. no.4.

Trudy Prikl. Bot. gen. i. Selek. (Bull. Appl. Bot. Gen. & Plant-Breed.) (Leningrad)

Aleksandrova, R.S.

... A contribution to the knowledge of the sugar content in Cucurbitaceae. Trudy Prikl. Bot. Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 21(4): 437-527. 1929.

Russian with English summary.

Trudy Prikl. Bot. Gen. i. Selek. (Bull. Appl. Bot. Gen. & Plant-breed.) (cont.)

Artsikhoviskii, V.
... Growth of the saxual (Arthrophytum) and the structure of its trunk. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot.,Gen. & Plant-breed.) 19(4): 287-358. illus. 1928 (Rec'd Je.1929)
Russian with English summary.
A. arborescens.

Dubianskii, V. A.
... The sand desert south-eastern Karakum, its natural regions, the possibility of its agricultural utilization and its importance for irrigation. Trudy Prikl. Bot. Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-Breed.) 19(4): 3-285. illus., map. 1928. (Rec'd Je.1929)
Russian with English summary.

Ivanov, N.N.
... The chemical composition of the wheats of U.S.S.R. Results of geographical experiments in 1923-1926. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 21(4): 47-320. illus. (maps) 1929.
Russian with English summary.

Ivanov, N.N. & Lishkevich, M.I.
... On catalase in barleys of different origins. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 21(4): 4-46. 1929.
Russian with English summary.

Ivanov, N.N. & Lishkevich, M.I.
... On the loss of nitrogen by the drying of plants. Trudy Prikl. Bot., Gen. & Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 21(4): 351-390. 1929.
Russian with English summary.

Ivanov, N.N., Grigor'eva, V.F. & Ermakov, A.I.
... On the content of essential oil during the process of maturation and germination. Trudy Prikl. Bot. Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 21(4): 321-350. 1929.
Russian with English summary.
Experiments with coriander & anis.

Trudy Prikl. Bot. Gen. i Selek. (Bull. Appl. Bot. Gen. & Plant-breed.) (cont.)

Prizemina, Z. P.

... The biochemical variability of the seeds of the castor-oil plant in dependence on geographical factors. Trudy Prikl. Bot. Gen. i Selek. (Bull. Appl. Bot. Gen. & Plant-breed.) 21(4): 391-426. 1929.

Russian with English summary.

U.S. Dept.Agr. Bull.

Wright, R. C. & Taylor, G.F.

The freezing temperatures of some fruits, vegetables and cut flowers. U.S. Dept. Agr. Bull. 1133. 8 p. issued 1923, rev. My.1929.

U.S. Dept. Agr. Circ.

Ratcliffe, G. T.

A prolonged saprophytic stage of the cotton root-rot fungus. U.S. Dept. Agr. Circ. 67. 8 p. illus. My.1929.

Phytmatotrichum omnivorum.

U.S. Dept. Agr. Bur. Plant Industr. Off. Veg. & For. Dis. [Leafl.]

McCulloch, L.

Gladiolus diseases. U.S. Dept. Agr. Bur. Plant Industr. Off. Veg. & For. Dis. [Leafl.] My. 1929. 5.p.

Replaces previous Leaflet on this subject. Mimeographed.

Věstník Českosl. Akad. Zemèd. (Praha)

Beněs, V.

Různé poměry fertility u druhových bastardů Aegilops ovata X Triticum compactum, durum a polonicum (Verschiedene fertilitätsverhältnisse der artbastarde Aegilops ovata x Triticum compactum, durum und polonicum). Vestník Ceskosl. Akad. Zeměd. 5: 472-478. illus. My.1929. no.5.

Watson's Micros. Rec.

Belling, J.

The scientific use of the high-power microscope in cytology. Watson's Micros. Rec. 17: 26-27. My.1929.

Watson's Micros. Rec. (cont.)

Fuge, D. P.

Pleurosigma angulatum. An essential test object. Watson's Micros. Rec. 17: 9-11. illus. My.1929.

Western Flor.

West, P.

Rhododendron wilt. Western Flor. 12(21): 7-9, My.23, 1929. no.21.

Yearbk. Calif. Avocado Assoc.

California avocado association - Committee on pathological investigations.

Report. In its Yearbk. 1928: 98-99. 1929.

J.E. Coit, J.H. Walker & T.G. Sutherland Comm.

Coit, J.E.

Sun-blotch of the avocado. Yearbk. Calif. Avocado Assoc. 1928: 27-32. illus. S.1928(Rec'd My.1929)

A serious physiological disease.

Coit, J. E.

Pests and diseases of the avocado. Yearbk. Calif. Avocado Assoc. 1928: 18-21. S.1928 (Rec'd My.1929)

Haas, A.R.C.

Relation of chlorine content to tip-burn of avocado leaves. Yearbk. Calif. Avocado Assoc. 1928: 57. S.1928 (Rec'd My.1929)

Popenoe, W.

Names of Guatemalan avocados. Yearbk. Calif. Avocado Assoc. 1928:41-43. illus. S.1928 (Rec'd My.1929)

Zapiski Gosudarstv. Nikitsk. Opytn. Bot. Sada.(Journ. Gov. Bot. Gard. Nikita)

Nilov, V.I., Williams, W.W. & Michelson, L.A.

... On transformation of essential oils in plants. Zapiski Gosudarstv. Nikitsk. Opytn. Bot. Sada (Journ. Gov. Bot. Gard. Nikita) 10: 3-66. 1929. no.3.

Russian with English summary.

Zapiski Gosudarstv. Nikitsk. Opytn. Bot. Sada (Journ. Gov. Bot. Gard. Nikita) (cont.)

Nilov, V.I. & Williams, W.W.
Investigations on the essential oils of Crimean plants. II. Zapiski Gosudarstv. Nikitsk. Opytn. Bot. Sada (Journ. Gov. Bot. Gard. Nikita) 10: 75-80. 1929. no.3.
Russian with English summary.

Zapiski Semenoved. (Ann. Essais Semences Leningr.)

Orekhova, T. A.
... Ueber die technik zur vorbreitung anotomischer schnitte der samen von Cuscuta. Zapiski Semenoved. (Ann. Essais Semences Leningr.) 6: 142-145. illus. 1928 (Rec'd Je.1929)
Russian.

Koriakina, V. F.
... Einwirkung der schwefelsaure auf die samenkeimfähigkeit der wildwachsenden leguminosenarten. Zapiski Semenoved. (Ann. Essais Semences Leningr.) 6: 146-151. 1928 (Rec'd Je.1929) no.2.
Russian with German summary.

Murav'eva, E.P.
... Morphologische und anatomische unterschiede der Brassica und Sinapis samen. Zapiski Semenoved. (Ann. Essais Semences Leningr.) 6: 139-141. illus. 1928 (Rec'd Je.1929) no.2.
Russian with German summary.

Zeitschr. Bot. (Jena)

Rawitscher, F.
Weitere beiträge zur kenntnis des kreisens und windens der pflanzen. Zeitschr. Bot. 21: 545-614. illus. 1929. no.10.

Exper. Stat. Publ.

Mackie, W. W.
Oat varieties in California. California Agr. Exp. Stat. Bull.467. 46 p. illus. Ap. 1929.

Greaves, J.E. & Hirst, C.T.
The mineral content of grains. Utah Agr. Exp. Stat. Bull.210. 38 p. My.1929.

Exper. Stat. Publ. (cont.)

Sherwood, E.C.

Orchard spraying in West Virginia. West Virginia Agr. Exp. Stat. Circ. 54. 31 p. Mr. 1929.

New Books.

Calvert, A. F.

Daffodil growing for pleasure and profit. London, Dulau, 1929.

With contributions by various authors (Pests and diseases by W.E.H. Hodson & A. Beaumont: p.267-287. plates)

Cejp, K.

Monografie hydnacei Republiky Československé. Praze, Ceské akademie, 1928 (Fauna et flora čechoslovenica II)

Fischer, H.

Mittelalterliche pflanzenkunde. München, 1929.

Hartman, M.

Fortpflanzung und befruchtung als grundlage der vererbung. Berlin, 1929 (Handbuch der vererbungswissenschaft hrsg. von E. Baur & M. Hartman, lfg. 6 (bd.1,A)

Kleinhoonte, A.

De door het licht geregelde autonome bewegingen der Canavalia-bladeren. Delft, W.D. Meinema, 1928.

Makino, T. & Tanaka, K.

A manual of the flora of Nippon. Tokyo, 1927.

Renner, O.

Artbastarde bei pflanzen. Berlin, 1929 (Handbuch der vererbungswissenschaft hrsg. von E.Baur & M. Hartman lfg. 7(bd.2,A)

Rikli, M.

Durch die Marmarica zur Oase Siwa. In Karsten, G. Vegetationsbilder 20. reihe, heft 1. pl.1-6. 1929.

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.

Vol. 11, no. 13. June 10-22, 1929.

Acta Horti. Petrop. (Leningrad)

Fedchenko, B. A.
Flora Rossiae Austro-orientalis II. Gramineae. Acta Horti Petrop. 40: 75-256. illus. 1928. (Rec'd Je.1929). no.2.

Elenkin, A.A. & Ohl, L.A.
... Bibliographie des ouvrages algologiques en U.R.S.S. parus depuis 1900 jusqu'a 1925 inclusivement. Acta Horti Petrop. 42: 1-139. 1929. no.2.
Russian with French summary.

Amer. Fruit Grow. Mag. (Chicago)

McClintock, J.A.
Brown rot blossom blight of the peach. Amer. Fruit Grow. Mag. 49: 6. illus. Je. 1929. no.6.

Ann. Appl. Biol. (London)

Bewley, W.F.
The influence of bright sunshine upon the tomato under glass. Ann. Appl. Biol. 16: 281-287. illus. My. 1929. no.2.

Cheal, W.F.
Investigation of hop mosaic disease in the field. Ann. Appl. Biol. 16: 230-235. illus. My. 1929. no. 2.

Dowson, W.J.
On the stem rot or wilt disease of carnations. Ann. Appl. Biol. 16: 261-280. pl.xiii. My. 1929. no.2.
F.culmorum.

Smith, A.M.
Investigation on Heterodera schachtii in Lancashire and Cheshire. Ann. Appl. Biol. 16: 324-339, 340-346. My. 1929. no.2.
E.G. Prentice joint author pt.I.
I. The infestation in certain areas as revealed by cyst counts; an estimation of the errors involved in the technique and a correlation with intensity of disease. II. The relationships between degree of infestation and hygroscopic moisture, loss of ignition and pH value of the soil.

Ann. Appl. Biol. (cont.)

Smith, K.M.

Studies on potato virus diseases. V. Insect transmission of potato leaf-roll. Ann. Appl. Biol. 16: 209-229. pl. x-xii. My. 1929. no.2.

Smith, N.J.G.

Observations of the Helminthosporium diseases of cereals in Britain. Ann. Appl. Biol. 16: 236-260. illus. My.1929. no.2.

I. The behaviour of Helminthosporium gramineum in a common barley disease.

Ann. Soc. Linn. Lyon.

Braun-Blanquet, J.

L'origine et le développement des flores dans le massif central de France avec aperçu sur les migrations des flores dans l'Europe sud-occidentale. (cont.) Ann. Soc. Linn. Lyon. n.s., 74: 80-97. 1929.

Choisy, M.

La phylogénie probable des peltigéracés et du genre Nephroma acharius. Ann. Soc. Linn. Lyon. n.s. 74: 166-171. illus. 1929.

Pouchet, A.

De l'influence des conditions météorologiques sur les caractères des champignons. Ann. Soc. Linn. Lyon. n.s., 74: 154-161. 1929.

Thiébaut, J.

Observations sur les saules. Ann. Soc. Linn. Lyon. n.s. 74: 148-153. 1929.

Ann. Rep. Dept. Plant Path. Seale-Hayne Agr. Coll. (Newton Abbot)

Beaumont, A.

Control of bunt of wheat (cont.) Ann. Rep. Dept. Plant Path. Seale-Hayne Agr. Coll. 5: 36. Ap. 1929.

Beaumont, A.

Fungal diseases of Devon and Cornwall. II. Ann. Rep. Dept. Plant Path. Seale-Hayne Agr. Coll. 5: [41]. Ap. 1929.

Ann. Rep. Dept. Plant Path. Seale-Hayne Agr. Coll. (cont.)

Beaumont, A.
List of diseases in Devon and Cornwall.
Ann. Rep. Dept. Plant Path. Seale-Hayne Agr. Coll. 5: 24-32. Ap.1929.

Beaumont, A.
Notes on diseases during the year. (cont.)
Ann. Rep. Dept. Plant Path. Seale-Hayne Agr. Coll. 5: 33-36. Ap.1929.

Beaumont, A.
The occurrence of the stem eelworm, (Tylenchus dipsaci (Kuhn) Bastian) on the false dandelion, (Hypochaeris radicata L.) Ann. Rep. Dept. Plant Path. Seale-Hayne Agr. Coll. 5: 9. Ap.1929.

Arch.de Bot. Caen Bull. Mens.

Benoist, R.
Une lauracée nouvelle de la Guyane française.
Arch. de Bot. Caen Bull. Mens. 3: 10. Ja. 1929. no.1.
Ocotea subglabra, n.sp.

Perrier de la Bathie, H.
Les podostémacées de Madagascar. Arch. de Bot. Caen Bull. Mens. 3: 17-25. F.1929. no.2.

Potier de la Varde, R.
Additions aux mousses de l'Oubangui. Arch. de Bot. Caen Bull. Mens. 3: 1-9. illus. Ja. 1929. no.1.

Arch. Pharm. & Ber. Deut. Pharm. Ges. (Berlin)

Herzog, T.
Ueber einige im heimatlande arzneilich benutzte bolivianische drogen. Arch. Pharm. & Ber. Deut. Pharm. Ges. 5: 390-400. illus., 1 pl. My.1929.
II. Botanisch-pharmakognostische untersuchung.
1. Ayahuasca (Banisteria caapi). 2. Chacruna (Mapoura formosa). 3. Anocaperi (Piper anocaperi)

Keller, O. & Gottauf, F.
Ueber einige im heimatlande arzneilich benutzte bolivianische drogen. Arch. Pharm. & Ber. Deut. Pharm. Ges. 5: 373-390. My.1929.
I. Chemische untersuchung.

Austral. Sugar Journ. (Brisbane)

North, D.S.
Leaf scald disease of sugar cane and its control. Austral. Sugar Journ. 21: 99-110. illus., col.pl. My.9, 1929. no.2.

Bartonia (Philadelphia)

Adams, J.W.
Potamogeton vaseyi in southeastern Pennsylvania. Bartonia. 10: 28-29. Ja.9, 1929.

Long, B.
Some noteworthy indigenous species new to the Philadelphia area. Bartonia. 10: 30-52. Ja.9, 1929.

Pennell, F.W. & Wherry, E.T.
The genus Chelone of eastern North America. Bartonia. 10: 12-23. pl. 3-4. Ja.9, 1929.

Trudell, H.W.
A new colony of Elliottia. Bartonia. 10: 24-27. Ja.9,1929.

Wherry, E.T.
Chasing chelones. Bartonia. 10: 1-11. pl.1-2. Ja.9,1929.

Ber. Deut. Bot. Ges. (Berlin)

Baur, E.
Wilhelm Johannsen. Ber. Deut. Bot. Ges. (Generalversamml.-heft) 46: (169)-(171). port. My.11, 1929.

Behrens, J.
Ludwig Klein. Ber. Deut. Bot. Ges. (Generalversamml.-heft) 46: (172)-(184). port. My.11, 1929.
Schriftenverzeichnis: p.(182)-(184).

Dunzinger, G.
Karl Giesenhagen. Ber. Deut. Bot. Ges. (Generalversamml.-heft). 46: (157)-(169). port. My.11,1929.
Verzeichnis der veröffentlichungen von K. Giesenhagen: p.(167)-(169).

Ber. Deut. Bot. Ges. (cont.)

Hesselman, H.
Bunnar Andersson. 25,XI, 1865 bis 5, VIII,1928. Ber. Deut. Bot. Ges. (Generalversamml.-heft) 46: (129)-(147). port. My.11, 1929.
Verzeichnis der von Gunnar Andersson verfassten botanischen schriften. Aus Ymer 1928 H.3: (142)-(147).

Miehe, H.
Wilhelm Wächter. Ber. Deut. Bot. Ges. (Generalversamml.-heft) 46; (199)-(204). port. My.11, 1929.
Liste der schriften: p.(204).

Noack, K.L.
Frank Schwarz. Ber. Deut. Bot. Ges. (Generalversamml.-heft) 46: (191)-(198). port. My.11, 1929.
Verzeichnis der schriften von Frank Schwarz: p. (197)-(198).

Pantanelli, E.
Guiseppe Lopriore. Ber. Deut. Bot. Ges. (Generalversamml.-heft) 46: (185)-(190). port. My.11, 1929.
Verzeichnis der wichtigeren schriften von G. Lopriore: p.(187)-(190).

Weber, C.A.
Georg Bitter. Ber. Deut. Bot. Ges. (Generalversamml.-heft). 46: (148)-(156). port. My.11, 1929.
Schriften von Georg Bitter: p.(153)-(156).

Better Crops (N.Y.)

Pridmore, J.C.
Cotton wilt control. Better Crops. 12: 5-7. 50-51. illus. Je.1929. no.6.
Control by use of balanced fertilizer containing ample phosphoric acid, nitrogen and potash.

Biochem. Journ. (London)

Chibnall, A.W. & Channon, H.J.
The ether-soluble substances of cabbage leaf cytoplasm. V-VI. Biochem. Journ. 23: 168-175, 176-184. 1929. no.2.
V. The isolation of n-nonacosane and di-n-tetradecyl ketone. VI. Summary and general conclusions.

Norris, F.W.
The nature of the pectic substances of flax. A preliminary investigation. Biochem. Journ. 23: 195-198. 1929. no.2.

Biochem. Zeitschr. (Berlin)

Gawrilow, N.J. & Ewslina, B.B.
Untersuchungen auf dem gebiet der tabakchemie. Biochem. Zeitschr. 208: 79-90. illus. Ap.30, 1929. no.1/3.
I. Das wasser im tabak.

Michlin, D. & Kopeliowitsch, P.
Zur kenntnis der peroxydase der phanerogamen. Biochem. Zeitschr. 208: 288-294. My.31, 1929. no.4/6.

Wedekind, E. & Bruch, E.
Versuche über die wirkung von kolloidalem calciumfluorid und mercurochlorid auf Aspergillus niger. Biochem. Zeitschr. 208: 279-284. My.31, 1929. no.4/6.

Biol. Gen. (Vienna)

Cammerloher, H.
Zur kenntnis von bau und funktion extrafloraler nektarien. Biol. Gen. 5: 281-302. illus. 1929. no.2.
Thunbergia, Honckenya ficifolia.

Kirschner, R.
Die blattrollkrankheit des hopfens. Biol. Gen. 5: 225-238. illus., pl. x. 1929. no.2.

Biol. Gen. (cont.)
Porsch, O.
Kritische quellenstudien über blumenbesuch durch vögel. IV. Biol. Gen. 5: 157-210. illus., pl. viii-ix. 1929. no.2.

Biol. Zentralbl. (Leipzig)
Michaelis, P.
Ueber den einfluss von kern und plasma auf die vererbung. Biol. Zentralbl. 49: 302-316. illus. 1929. no.5.

Bol. Agencia Geral. Colón. Portugal. (Lisboa)
Figueriredo Gomes e Sousa, A.
A riqueza florestal de Angola. Bol. Agencia Geral. Colón. Portugal. 5: 172-195. illus. My. 1929. no.47.

Bol. Agr. y Cam. Guatemala.
Bardales, M.A.
Urgente necesidad de fomentar el cultivo del maiz. Una enfermedad que ataca a esta graminea. Bol. Agr. y Cam. Guatemala. 8: 89-94. Mr.1929. no.3.

Bol. Mus. Nac. Rio de Janeiro.
Sampaio, A.J.de
Auguste de Saint - Hilaire. (1779-1853). Bol. Mus. Nac. Rio de Janeiro. 4: 1-31. 1 pl. D. 1928. (Rec'd Je.1929) no.4.

Bot. Arch. (Leipzig)
Alexandrov, W.G. & Alexandrova, O.G.
Gefässtengelbündel der sonnenblume, als dem objekt der experimentalanatomie. Bot. Arch. 25: 87-127. illus. 1929. no.1/2.
English summary.

Dannehl, H. & Ziegenspeck, H.
Cytologische beobachtungen an wachsenden wedeln von Ceratozamia. Bot. Arch. 25: 243-251. Ap. 1929. no.1/2.
English summary.

Bot. Arch. (cont.)

Rettig, H.
Ueber den einfluss der luftfeuchtigkeit auf die entwicklung und die gewebedifferenzierung der pflanzen. Bot. Arch. 25: 128-172. illus. 1929. no.1/2.
Sinapis & Tropaeolum.

Voss, H.
Das leben der gewächse trockener, zur sauerung neigender kiefernwälder unter hervorheben des unteriridischen anteiles der pflanzen. Bot. Arch. 25: 173-213. illus. 1929. no.1/2.
English summary.

Weber, E.
Entwicklungsgeschichtliche untersuchungen über die gattung Allium. Bot. Arch. 25: 1-44. illus. 1929. no.1/2.
English summary.

Bot. Jahrb. Engl. (Leipzig)

Diels, L.
Beiträge zur flora des Saruwaged-gebirges. In Lauterbach, C. Beiträge zur flora von Papuasien. XVI. Bot. Jahrb. Engl. 63: 452-501. My.15, 1929. no.5.

Eig, A.
Kritische bemerkungen über: A critical systematical survey of the species of the genus Aegilops L. by P.M. Zhukovsky. Bot. Jahrb. Engl. 62: 571-583. My.15,1929. no.5.

Lauterbach, C.
Die pflanzenformationen einiger gebiete Nordost-Neu-Guineas und des Bismarck-Archipels II. In his Beiträge zur flora von Papuasien XVII. Bot. Jahrb. Engl. 62: 550-569. My.15,1929. no.5.

Mattfeld, J.
Die compositen von Papuasien. (cont.) In Lauterbach, C. Beiträge zur flora von Papuasien. XVI. Bot. Jahrb. Engl. 62: 417-451. My.15,1929. no.5.

Bot. Jahrb. Engl. (cont.)

Scharfetter, R.
Ueber die entstehung der Alpenflora. Bot. Jahrb. Engl. 62: 524-544. pl. xxviii. My.15, 1929. no.5.

Stojanoff, N.
Der longos-wald in Bulgarien. Bot. Jahrb. Engl. 62: 502-523. pl. xxvi-xxvii. My. 15, 1929. no.5.

Wagner, R.
Ueber den blütenstand der Nicotiana caesia Suksd. Bot. Jahrb. Engl. 62: 545-549. My.15, 1929. no.5.

Bot. Not. (Lund, Sweden)

Arnell, H.W.
Register till "Normalförteckning över svenska växtnamn". Bot. Not. 1929: Bilaga. 18 p. 1929.

Arwidsson, Th.
Några synpunkter på Epipogium-problemet. Bot. Not. 1929: 153-168. 1929.

Ardwisson, Th.
Notizen über arten der gattungen Draba, Erophila und Hutchinsia. Bot. Not. 1929: 169-174. illus. 1929.

Peterson, D.
Die spaltöffnungszahl von Rumex acetosa L. Bot. Not. 1929: 175-193. 1929.

Suneson, S.
Bidrag till kännedomen om floran inom Skinnskattebergs och Malingsbo socknar i Västmanland och Dalarna. Bot. Not. 1929: 195-204. 1929.

Bull. Agence. Gén. Colon. France. (Paris)

Heim de Balsac, F., Dagand, G.S., Delhotel, E., Heim de Balsac, H. & Lefèvre, L.
Le "cay-sen" ou "illipé du Tonkin" sa graine oléagineuse, son huile. Bull. Agence Gén. Colon. France. 22: 551-565. 2 pl. My.1929. no.244.
Dasillipe pasquieri.

V.11, no.13, p.10.

Bull. Chem. Soc. Japan.

Arima, J.

Ueber die konstitution des nokadenins, eines neuen glucosids von Peucedanum decursivum Maxim. I-II. Bull. Chem. Soc. Japan. 4: 16-20, 113-119. Ja., My.1929. no.1,5.

Bull. Mens. Soc. Nat. Hort. France. (Paris)

Gibault, G.

Note sur les graines que conservent leur faculté germinative pendant plusieurs siècles. Bull. Mens. Soc. Nat. Hort. France. V, 2: 226. Ap.1929.

Bull. Misc. Inform. Kew. (London)

Bean, W.J.

Fastigiate and pyramidal trees. Bull. Misc. Inform. Kew. 1929: 97-105. pl.v. 1929. no.4.

Brown, N.E.

The Iridaceae of Burmann's Florae Capensis prodromus. Bull. Misc. Inform. Kew. 1929: 129-139. 1929. no.4.

Brown, N.E.

Name changes in Gomphostigma Turca. Bull. Misc. Inform. Kew. 1929: 143. 1929. no.4.

G. incomptum should supersede G.incanum and G.virgatum, G.scorparioides.

Craib, W.G.

Contributions to the flora of Siam. Additamentum XXVI. Bull. Misc. Inform. Kew. 1929: 105-119. 1929. no.4.

Hill, A.W.

Lilaeopsis in Tasmania and New Zealand. Bull. Misc. Inform. Kew. 1929: 119-121. illus. 1929. no.4.

L. gunnii, n.sp.

Howes, F.N.

Hybrid cacao. Bull. Misc. Inform. Kew. 1929: 126-129. 1929. no.4.

Bull. Misc. Inform. Kew. (cont.)

Kew. Royal gardens.
Decades kewenses. Plantarum novarum in herbario Horti regii conservatarum. Decas CXXIII. Bull. Misc. Inform. Kew. 1929: 121-126. 1929. no.4.

Milne-Redhead, E. & Turrill, W.B.
Campanula orphanidea Boiss. Bull. Misc. Inform. Kew. 1929: 142. 1929. no.4.

Sprague, T.A.
Conservation of the name Gardenia. Bull. Misc. Inform. Kew. 1929: 143. 1929. no.4.

Bull. Ontario Dept. Agr.

Howitt, J.E., Sands, D.R. & Jones, D.H.
Fungus and bacterial diseases of vegetables. Bull. Ontario Dept. Agr. 345. 64 p. illus. My.1929.

Bull. Soc. Chim. Biol. (Paris)

Bridel, M.
Recherches sur les variations de coloration des plantes au cours de leur dessiccation. Le glucoside du Lathraea clandestina L. est l'aucuboside (aucubine). Bull. Soc. Chim. Biol. 11: 620-632. My. 1929. no.5.

Bull. Torr. Club.

Dayton, W.A.
Aconitum macilentum Greene. Bull. Torr. Club. 56: 211-212. pl.4. Ap.1929. no.4.

Mackenzie, K.K.
Type of the genus Jatropha. Bull. Torr. Club. 56: 213-215. Ap.1929. no.4.
J. manihot.

Munz, P.A. & Hitchcock, C.L.
A study of the genus Clarkia, with special reference to its relationship to Godetia. Bull. Torr. Club. 56: 181-197. Ap.1929. no.4.

Taylor, W.R.
Notes on the marine algae of Florida. Bull. Torr. Club. 56: 199-210. illus. Ap.1929. no.4.
Hydrocoleum penicillatum, n.sp.

Butler Univ. Bot. Stud. Paper. (Indianapolis)

Cain Stanley, A. & Friesner, R.C.
Some ecological factors in secondary succession: upland hardwood I-II. Butler Univ. Bot. Stud. Paper 1: 1-14; 2/3: 17-28. 1929.
I. Evaporation studies in the Sycamore Creek region. II. Soil reaction and plant distribution in the Sycamore Creek region.

Friesner, R.C.
The genus Trillium in Indiana. Butler Univ. Bot. Stud Paper 2/3: 29-40. My.1929.

Citrus Leaves. (Redlands, Cal.)

Meed, W.H.W.
Some precautions to be exercised in controlling scaly bark. Citrus Leaves. 9: 6-7. Je.1929. no.6.

Compt. Rend. Acad. Sci. Paris.

Chevalier, A.
Sur une forme ancestrale de l'archide cultivée. Compt. Rend. Acad. Sci. Paris. 188: 1511-1512. Je.3,1929. no.23.
A. hypogaea subsp. A. sylvestris.

Colin, H. & Ricard, P.
Sur quelques propriétés de la laminarine des laminaires. Compt. Rend. Acad. Sci. Paris. 188: 1449-1451. My.27,1929. no.22.

Ghimpu, V.
Contribution à l'étude chromosomique des acacia. Compt. Rend. Acad. Sci. Paris. 188: 1429-1431. illus. My.27, 1929. no.22.

Hamet, R.
Sur quelques propriétés pharmacologiques de l'alcaloïde du Banisteria caapi. Compt. Rend. Acad. Sci. Paris. 188: 1519-1521. illus. Je.3, 1929. no.23.

Compt. Rend. Acad. Sci. Paris. (cont.)

Mangenot, G.

Sur les phénomènes dits d'aggregation et la disposition des vacuoles dans les cellules conductrices. Compt. Rend. Acad. Sci. Paris. 188: 1431-1434. My.27, 1929. no.22.

Perrier, A.

Sur la présence de certains champignons thermophiles dans le fumier et les matières organiques en décomposition. Compt. Rend. Acad. Sci. Paris. 188: 1426-1429. My.27,1929. no.22.

Sartory, A., Sartory, R. & Meyer, J.

Une maladie duemelon (Citrullus vulgaris) occasionnée par un Fusarium et une bactérie chromogène. Compt. Rend. Acad. Sci. Paris. 188: 1434-1436. My.27, 1929. no.22.

Erdész. Kisérl. (Hungary) (Sapron)

Stocker, O.

Vizsgálatok különbözo termöhelyen nött növények vizhiányának nagyságáról. (Ueber die höhe des wasser. defizites bei pflanzen verscheidener standorte). Erdész. Kisérl. 31: 63-76. 1929. no.1.

German summary: p.104-114.

Fortschr. Landw. (Vienna)

Gentner, G.

Eine methode zum nachweis der sporen des steinbrandes und anderer pilzarten am saatgut. Fortschr. Landw. 4: 353-356. illus. Je.1,1929. no.11.

Schmidt, W.

Bemerkungen zur frage der kohlensäureversorgung der pflanzen. Fortschr. Landw. 4: 360-363. Je.1, 1929. no.11.

Fruits & Gard. (Zeeland, Mich.)

Swingle, C.F.

Horticultural institutions of England. Fruits & Gard. 27(6): 4, 13. illus. Je.1929.

Gard. Chron. (London)

Baker, G. P.
Collecting irises. Gard. Chron. III, 85: 425-427. illus. Je.8, 1929. no.2215.

Darnell, A. W.
The genus Primula. (cont.) Gard. Chron. III, 85: 402-403, 428-429. Je.1,8,1929. no.2214-2215.

Hall, A. D.
The breaking of the tulip species. Gard. Chron. III, 85: 423. Je.8, 1929. no.2215.

Keeble, Sir F.
Fertilisers from the air. Gard. Chron. III, 85: 406. Je.1, 1929. no.2214.
Summary of a lecture given at a meeting at the Mansion House, Ap.24.

Ward, F.K.
Mr. F. Kingdon Ward's tenth expedition in Asia, XXII. Retreat. Gard. Chron. III, 85: 405-406. illus. Je.1, 1929. no.2214.

Gt. Brit. Food Invest. Bd. Mem.

Kidd, F.
Refrigeration and fruit. Gt. Brit. Food Invest. Bd. Mem. 118: 19-37. [1929]

Kidd, F.
Refrigeration in nature. Gt. Brit. Food Invest. Bd. Mem. 118: 1-18. [1929]

Hilgardia. (Berkeley, Cal.)

Smith, A.
Daily and seasonal air and soil temperatures at Davis, California. Hilgardia. 4: 77-112. My. 1929 (Rec'd Je.)

Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. U.R.S.S.) (Leningrad)

Balavaev, G. A.
... Vertical distribution of weeds over the mountains in Turkestan. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) 27: 459-519. 1929 (Rec'd 1929) no.5/6.
Russian with English summary.

Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. U.R.S.S.) (cont.)

Kokina, S. I.
... Variationen des peroxydasegehaltes von buntblatterigen und grünen pflanzenformen. Izv. Glavn. Bot. Sada SSSR(Bull. Jard. Bot. Prin. URSS) 27: 541-558. 1928 (Rec'd Je.1929) no.5/6.
Russian with German summary.

Lozina-Lozinskaja, A. S.
... Le genre Saxifraga en Asie Centrale. Izv. Glavn. Bot. Sada USSR (Bull. Jard. Bot. Prin. URSS) 27: 587-604. illus. (incl.map). 1928 (Rec'd Je. 1929) no.5/6
Russian with French summary and Latin diagnosis of new spec. (S.tibetica, S.maximowiczi)

Nikol'ski, P.N.
... Lichen formations in the pine forest of Medvedok. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) 27: 605-618. 1928. (Rec'd Je.1929) no.5/6.
Russian with English summary.

Pojarkova, A. I.
... Ribes warszewiczii Jancz. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) 27: 628-634. illus. 1928 (Rec'd Je.1929) no.5/6.
Russian with English summary.
Considers that this plant is a hybrid between R. rubrum and R. vulgare.

Shiffers-Rafalovich, E. V.
... Die limanen und "plawni" an der mündung des flusses Kuban. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) 27: 320-540. 1928. (Rec'd Je.1929) no.5/6.
Russian with German summary.

Sokolov, P.J.
... Zur frage über geographische rassen der Pinus silvestris L. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. SSSR) 27: 559-586. illus. 1928 (Rec'd Je.1929) no.5/6.
Sussian with German summary.

Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. U.R.S.S.) (cont.)

Stankov, S. S.
... De Bromo fibroso Hackel e Tauria. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) 27: 641-645. 1928 (Rec'd Je.1929) no.5/6.
Russian.

Terekhov, A. F.
... Ueber einige pflanzen des gouvern. Samara. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) 27: 635-637. 1928(Rec'd Je.1929) no.5/6.
Russian with brief German summary.

Troitsky, N. A.
... Zwei neue pflanzenarten aus Transkakasien. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) 27: 619-627. illus. 1928 (Rec'd Je. 1929) no.5/6.
Russian with Latin diagnosis (Poa densa, Salvia garedjii).

Journ. Agr. Prat. (Paris)

Gouin, R.
Manque d'acide phosphorique dans les fourrages des années seches. Journ. Agr. Prat. n.s., 51: 429-432. Je.1, 1929. no.22.

Guyot, L.
Le piétin des céréales. Journ. Agr. Prat. n.s., 51: 436-438. Je.1, 1929. no.22.

Journ. Agr.Res. (Wash. D.C.)

Ficke, C.H. & Melchers, L.E.
The effect of the digestive processes of animals on the viability of corn and sorghum smut spores. Journ.Agr.Res. 38: 633-645. Je.1, 1929.
See also at end of List.

Journ. Amer. Chem. Soc.

Nelson, W.L. & Cretcher, L.H.
The alginic acid from Macrocystis pyrifera, Journ. Amer. Chem.Soc. 51: 1914-1922. Je.1929. no.6.

Journ. For. (Wash., D.C.)

Spaulding, P.
The decay of hardwood slash in northern New England. Journ. For. 27: 241-245. Mr.1929. no.3.

Journ. Genetics. (London)

Buxton, B. H. & Darbishire, F.V.
On the behaviour of "anthocyanins" at varying hydrogen-ion concentrations. Journ. Genetics. 21: 71-79. illus., col.pl. viii. Ap.1929. no.1.

Chattaway, M.M. & Snow, R.
The genetics of a variegated primrose. Journ. Genetics. 21: 81-83. Ap.1929. no.1.

Gairdner, A. E.
Male-sterility in flax. II. A case of reciprocal crosses differing in F_2. Journ. Genetics. 21: 117-124. illus. Ap.1929. no. 1.

Harland, S.C.
The genetics of cotton. Part. III. The inheritance of corolla colour in new world cottons. Journ. Genetics. 21: 95-111. col.pl.x. Ap.1929. no.1.

Kostoff, D. & Kendall, J.
Irregular meiosis in Lycium halimifolium Mill. produced by gall mites (Eriophyes). Journ. Genetics. 21: 113-115. pl. xi. Ap.1929. no.1.

Meurman, O.
Prunus laurocerasus L., a species showing high polyploidy. Journ. Genetics. 21: 85-94. illus. pl. ix. Ap.1929. no.1.

Newton, W.C.F.
Meiosis in polyploids. Journ. Genetics. 21: 1-15, 17-56. illus., pl.i-vi. Ap.1929. no.1.
C.D. Darlington joint author I; sole author II.
I. Triploid and pentaploid tulips - II. Ancuploid hyacinths.

Journ. Indian Bot. Soc.(Madras)

Blatter, E., McCann, C. & Sabnis, T. S.
The flora of the Indus delta. Part VII. Journ. Indian Bot. Soc. 8: 19-77. incl.8 pl. Mr. 1929. no.1.

Böregesen, F.
Notes on the vegetation at Dwarka on the west coast of India, with reference to Raunkiaer's "Life-forms" and statistical methods. Journ. Indian Bot. Soc. 8: 1-18. 3 pl. Mr.1929. no.1.

Journ. Indian Bot. Soc. (cont.)

Tiwary, N.K.

Further observations on the seeds and seedlings of Eugenia jambolana, Lamk. Journ. Indian Bot. Soc. 8: 82-85. illus. Mr.1929. no.1.

Tiwary, N.K.

A note on the flowers of Tecoma radicans. Journ. Indian Bot. Soc. 8: 78-81. 1 pl. Mr. 1929. no.1.

Journ. Min. Agr. Gt. Brit. (London)

Edwards, E. E.

The control of a serious potato trouble. Journ. Min. Agr. Gt. Brit. 36: 234-242. 1 pl. Je.1929. no.3.

Known as "potato sickness", "potato eelworm" and "potato dab", prevalent in Lincolnshire, Yorkshire and Lancashire. Soil infested with Heterodera schachtii and Rhizoctonia solani.

Journ. Roy. Agr. Soc. Engl. (London)

Biffen, R. H.

Annual report for 1928 of the botanist. Journ. Roy. Agr. Soc. England. 89: 308-315. 1928 (Rec'd Je.1929)

Journ. Washington Acad. Sci.

Berry, E. W.

A palm nut of Attalea from the upper eocene of Florida. Journ. Washington Acad. Sci. 19: 253-255. illus. Je.19, 1929. no. 12.

A. gunteri n. sp.

Macbride, J. F.

Shall the international botanical rules have the import of law? Journ. Washington Acad. Sci. 19: 247-252. Je.19, 1929. no.12.

Maxon, W. R.

A singular new Dryopteris from Colombia. Journ. Washington Acad. Sci. 19: 245-247. illus. Je.19, 1929. no.12.

D.cornuta, n.sp.

Kosmos. (Stuttgart)
Litzelmann, E.
Seltsame blütenformen. Kosmos. 26: 199-206. illus. Je. 1929. no.6.

Landw. Jahrb. Schweiz. (Bern)
Kobel, F.
Zytologische untersuchungen als grundlage für die immunitätszüchtung bei der rebe. Landw. Jahrb. Schweiz. 43: 233-272. illus. 1929. no.2.

Meld. Norges Landbruks. (Oslo)
Lunden, A.P.
Undersøkelser over nedarvning av faktorer som bestemmer knollfarve, blomsterfarve og stengelfarve hos poteter, samt litt om disse karakterers korrelasjonsforhold. Meld. Norges Landbruks. 9: 293-308. 1929. no.4/5.
English summary: p.306-308.

Minn. Hort. (Minneapolis)
Traub, H.P., Thor, C.J.B. & Zeleny, L.
Chemical composition of truck crops I- Minn. Hort. 57: 172-173. Je.1929. no.6.
I. New Zealand spinach, Tetragonia expansa.

Möller's Deut. Gärtn.-Zeit. (Erfurt)
Förster,
Die kohlhernie (Plasmodiophora brassicae). Möller's Deut. Gärtn.-Zeit. 44: 187. Je.1, 1929. no. 16.

Hampel, H.
Alchenkrankheit bei gloxinien. Erfolgreiche bekämpfung durch das brühverfahren. Möller's Deut. Gärtn.-Zeit. 44: 187-188. Je.1, 1929. no.16.
Aphelenchus olesistus.

Nachr. Schädlingsbekämpfung. (Leverkusen b. Köln a Rh.)
Falke, U.
Roggenfusarium und trockenbeize. Nachr. Schädlingsbekämpfung. 3: 87-90. illus. Ag.1928. (Rec'd Je.1929) no.3.

Hanow, R.
Erbsen-beizversuche. Nachr. Schädlingsbekämpfung. 4: 22-27. illus. Mr.1929. no.1.

Nachr. Schadlingsbekampfung. (cont.)

Hanow, R.

Die wirkung von nasz- und trockenbeizen gegen Tilletia tritici und Fusarium bei winterweizen. Nachr. Schädlingsbekämpfung. 3: 85-87. illus. Ag. 1928 (Rec'd Je.1929) no.3.

Jaene, E.

Ein mais-beizversuch mit uspulun. Nachr. Schädlingsbekämpfung. 4: 15-18. illus. Mr.1929. no.1.

Neuer, H.

Beizversuche zu erbsen. Nachr. Schädlingsbekämpfung. 4: 18-22. illus. Mr.1929. no.1.

Plaut, M.

Auswinterung und saatgutdesinfektion. Nachr. Schadlingsbekämpfung. 3: 77-81. Ag.1928 (Rec'd Je.1929) no.3.

Plaut, M.

Wurzelbrand, auflauf und beizung von rübensamen. Nachr. Schadlingsbekampfung. 4: 1-13. illus. Mr. 1929. no. 1.

Sibilia, C.

Die bekämpfung von bodenpilzen in koniferen-baumschulen. Nachr. Schadlingsbekampfung. 3: 109-112. N.1928 (Rec'd Je.1929) no.4.

Nature. (London)

Stamp, L. D.

Vegetation formulae. Nature. 123: 833-834. Je.1, 1929. no.3109.

Nature Mag. (Wash., D.C.)

Hansen, A. A.

Beware these! Common plants that poison the careless. Nature Mag. 14: 16-18. illus. Jl.1929. no. 1.

Naturiwssenschaften. (Berlin)

Bělař, K. & Houtermans, F.G.

Zellteilung und strahlung. Naturwissenschaften. 17: 375-381. illus. My.24, 1929. no.21.

Review of T.Reiter and D. Garbor's work of this title.

Naturwissenschaften. (cont.)
Krause, K.
Zur pflanzengeographischen gliederung Kleinasiens. Naturwissenschaften. 17: 402-405. My.31, 1929. no.22.

N.Y. State Coll. For. Techn. Publ. (Syracuse)
Harlow, W. M.
Contributions to the chemistry of the plant cell wall, III-IV. N.Y. State Coll. For Techn. Publ. no.26. 22 p. plates. D.1928 (Rec'd My.1929)
III. The reliability of staining reagents in microchemical studies of plant cell walls. IV. Some microchemical reactions of woody tissues previously heated with hydrofluric acid.

Northwest Science. (Cheney)
Smith, W. K.
The two species of bunt on the same plant. Northwest Science. 3: 55-59. illus. Je.1929. no.2.

Obst- u. Gemüseb. (Berlin)
Hayunga, J.
Die unfruchtbarkeit der obstbäume und die bedeutung des kalkgehaltes des bodens. Obst- u. Gemüseb. 75: 15-16. Ja.23,1929. no.1.

Ludwigs, K.
Ist die Fusicladiumbekämpfung mittels schwefelkalk- oder kupferkalkbrühe wirtschaftlich? Obst- u. Gemuseb. 75: 88-90. My.15, 1929. no.5.

Martin,
Zur bekämpfung des amerik. stachelbeermeltaues und der blattfallkrunkheit an johannis- und stachelbeeren. Obst- u. Gemüseb. 75: 16-17. illus. Ja.23, 1929 no.1.

Orchid Rev. (Richmond, England)
Cooper, E.
Masdevallia coriacea and its allies. Orchid Rev. 37: 174-176. illus. Je.1929. no.432.

Godfrey, M.J.
Pollination of Cryptostylis leptochila. Orchid Rev. 37: 163-166. illus. Je.1929. no.432.

Orchid Rev. (cont.)

Smith, J. J.
A new species of Trichoglottis. Orchid Rev. 37: 181. Je. 1929. no.432.
T.joiceyana.

Planta Arch. Wiss. Bot. (Berlin)

Cholodny, N.
Ueber das wachstum des vertikal und horizontal orientierten stengels in zusammenhang mit der frage nach der hormonalen natur der tropismen. Planta Arch. Wiss. Bot. 7: 702-719. illus. My.24, 1929. no.5.

Moritz, O.
Weitere beiträge zur kritik und zum ausbau phytoserologischer methodik. Planta Arch. Wiss. Bot. 7: 759-814. illus. My.24, 1929. no.5.

Schmitz, H.
Beiträge zur waldgeschichte des Vogelsbergs. Planta Arch. Wiss. Bot. 7: 653-701. diagrs. My.24, 1929. no.5.

Stalfelt, M.G.
Pulsierende blattgewebe. Planta Arch. Wiss. Bot. 7: 720-734. diagrs. My.24, 1929. no.5.

Tausson, W.O.
Ueber die oxydation der benzolkohlenwasserstoffe durch bakterien. Planta Arch. Wiss. Bot. 7: 735-758. illus. My.24, 1929. no.5.

Proc. Agr. Soc. Trinidad & Tobago (Trinidad)

Stahel, G.
Witch broom disease. Proc. Agr. Soc. Trinidad & Tobago. 29:12-16. Ja.1929. no.1.
On cacao.

Proc. Roy. Soc. Ser.B. (London)

Briggs, G. E.
The energetic efficiency of photosynthesis in green plants: some new data and a discussion of problems. Proc. Roy. Soc. Ser.B. 105: 1-35. Je.4, 1929. no.734.
Experimental researches on vegetable assimilation and respiration XX.

V.11, no.13, p.23.

Proc. Soc. Exp. Biol. & Med. (N.Y.)

Matzer, E.

Relationship of atopens of timothy (Phleum pratense) and Australian rye (Lolium multiflorum) grasses as indicated by passive transfer studies. Proc. Soc. Exp. Biol. & Med. 26: 634-635. My. 1929. no.8.

Sheard, C. & Johnson, A.F.

Potentiometric and spectrophotometric changes in plants produced by infra-red and ultraviolet irradiation. Proc. Soc. Exp. Biol. & Med. 26: 618-621. My. 1929. no.8.

Progr. Agr. & Vitic. (Montpellier)

Paillet, A. & Pussard, R.

Sur l'emploi du sulfocyanure de cuivre contre les maladies de la vigne et des arbres fruitiers. Progr. Agr. & Vitic. 91: 531-533. Je.2, 1929. no.22.

Protoplasma. (Leipzig)

Alexandrov, W. G.

Zustand und tätigkeit der chloroplasten bei verschiedenen klimatischen bedingungen. Protoplasma. 6: 429-437. Ap.1929. no.3.

Colla, S.

Untersuchungen über plasma und plasmaströmung bei characeen. II. Die wirkung verscheidener salze auf die plasmaströmung. Protoplasma. 6: 438-448. Ap.1929. no.3.

Gurwitsch, A.

Ueber den derzeitigen stand des problems der mitogenetischen strahlung. Protoplasma. 6: 449-493. illus. Ap.1929. no.3.

Kritischer sammelbericht.

Pfeiffer, H.

Experimentelle und theoretische untersuchungen über die entdifferenzierung untteilung pflanzlicher dauerzellen. Protoplasma. 6: 377-428. illus. Ap.1929. no.3.

I. Der isoelektrische punkt (IEP) und die aktuelle azidität von meristematisierten zellen.

Queensl. Agr. Journ. (Brisbane)
Francis, W. D.
Queensland rain forest trees (cont.) Queensl. Agr. Journ. 31: 354. illus. My.1,1929. no.5.
Tristania conferta.

Simmonds, J. H.
Fungi and bacteria. Queensl. Agr. Journ. 31: 339-350. illus. My.1, 1929. no.5.
Reprinted from "Pests and diseases of Queensland fruits and vegetables" by Robert Veitch and J. H. Simmonds.

White, C.T.
Weeds of Queensland. Cassia laevigata Willd. (An arsenic bush). Queensl. Agr. Journ. 31: 352. illus. My.1, 1929. no.5.

Repert. Spec. Nov. Beih. (Dahlem)
Hayek, A.
Prodromus florae peninsulae Balcanicae. v.2, lfg.1. Repert. Spec. Nov. Beih. v.30, no.2. p.1-96. N.1928 (Rec'd My.1929)

Rep. Dept. Agr. Tanganyika Territory.
Report of mycologist for 1927/28. Rep. Dept. Agr. Tanganyika Terr. 1927/28: 40-42. 1928?

Rev. Agr. Puerto Rico. (San Juan)
González Ríos, P.
La germinación de la semilla de café. Rev. Agr. Puerto Ric. 22: 147-148. illus. Ap. 1929. no.10.

Nolla, J.A.B.
La enfermedad pata-prieta del tobaco. Rev. Agr. Puerto Rico. 22: 150-151. Ap.1929. no.10.

Tucker, C. M.
Enfermedades del café en América. Rev. Agr. Puerto Rico. 22: 27-31. 1929. no.7.

Rev. Agronómica. (Lisboa)

Carvalho e Vasconcelos J.de.

Leguminosas. Rev. Agronómica. 17: 45-48. 1929. no.1.

Nota das leguminosas expontâneas nos terrenos basálticos: p.46-48.

Souza da Camara, E.

Minutissimum mycoflorae subsidium Sancti Thomensis Insulae II. Mycetes. Rev. Agronómica. 17: 13-24. 3 pl. 1929. no.1.

Leptosphaeria almeidae, Macrophoma superposita, Phyllosticta polypsecadiospora, Elisiella trichocampta new spec.; Polylagenochromatia n.gen., P. theobromae.

Rev. Bot. Appl. (Paris)

Chevalier, A.

Sur quelques rhododendrons d'Indochine. Rev. Bot. Appl. 9: 250-257. pl.ix-xi. Ap.1929. no.92.

Costantin, J.

L'emploi des hybrides javanais de la canne à sucre contre le séreh et la mosaïque. Rev. Bot. Appl. 9: 229-240. Ap.1929. no.92.

Francois, E. & Ledreux, A.

La culture des daféiers à Madagascar. Rev. Bot. Appl. 9: 241-249. Ap.1929. no.92.

Hédin, L.

Sur quelques plantes a alcaloïdes du Cameroun. Rev. Bot. Appl. 9: 258-261. Ap.1929. no.92.

Rev. Gén. Bot. (Paris)

Chalaud, G.

Le cycle évolutif de Fossombronia pusila Dum. III. Les organes latéraux: Les feuilles. Rev. Gén. Bot. 41: 293-306. illus. My.1929. no.485.

Dufrénoy, J.

Les vacuoles des cellules glandulaires des poils de plantes carnivores. Rev. Gén. Bot. 41: 273-281. illus. My.1929. no.485.

Rev. Gén. Bot. (cont.)

Michel-Durand, E.
Recherches physiologiques sur les composés tanniques (cont.). Rev. Gén. Bot. 41: 307-336. My.1929. no.485.

Obaton, F.
Evolution de la mannite (mannitol) chez les végétaux. Rev. Gén. Bot. 41: 282-284. My. 1929. no.485.

Rev. Path. Comp. (Paris)

Dufrénoy, J.
Les récentes études cytologiques relatives aux maladies à virus. Rev. Path. Comp. 29: 213-229. illus. F.1929.
Title given in contents is: Maladies à virus chez les végétaux.

Rev. Path. Vég. & Entom. Agr. (Paris)

Chabrolin, C.
La rouille noire du blé en Tunisie. Rev. Path. Vég. & Entom. Agr. 16: 49-58. F.22, 1929. no.1.

Charpentier, C.
Eau de javel contre le Nectria. Rev. Path. Vég. & Entom. Agr. 15: 288-289. F.5, 1929. no.10.
On Sycamore maple.

Ducomet, V.
La filosité de la pomme de terre, maladie à crises. Rev. Path. Vég. & Entom. Agr. 15: 184-185. illus. O.1928. (Rec'd Je.1929). no. 7.

Ducomet, V.
L'oidium du tabac (Erysiphe cichoracearum) en Turquie. Rev. Path. Vég. & Entom. Agr. 15: 288. F.5, 1929. no.10.

Dufrénoy, J. & Gavis, G.
Étude cytologique de laitues infectées par le Sclerotinia libertiana. Rev. Path. Vég. & Entom. Agr. 15: 300-308. illus. F.5, 1929. no.10.

Rev. Path. Veg. & Entom. Agr. (cont.)

Dufrenoy, J.
Etudes cytologiques de haricots sensibles et de haricots résistants au Colletotrichum lindemuthianum. Rev. Path. Vég. et Entom. Agr. 15: 186-187. pl.i-iv. O.1928 (Rec'd Je.1929) no. 7.
Already entered as reprint.

Foex, E.
Les périthèces du Microsphaera qui causent les maladies dites du blanc du chene en France. Rev. Path. Vég. & Entom. Agr. 15: 291. F.5, 1929. no.10.

Gard, M.
Persistance de la vie dans des racines séparées des parties aériennes. Rev. Path. Vég. & Entom. Agr. 15: 289-291. F.5, 1929. no. 10.

Guyot, A. L.
Considérations générales sur l'état sanitaire des plantations fruitières de la vallée du Rhône. Rev. Path. Vég. & Entom. Agr. 15: 210-224. pl.i. O.1928. (Rec'd Je.1929) no.7.

Guyot, A.L.
De l'action de quelques désinfectants de la semence contre la carie de blé (Tilletia caries). Rev. Path. Vég. & Entom. Agr. 15: 247-255. N. 1928 (Rec'd Je.1929) no.8.

Joëssel, P.H.
Le Monilia de l'abricotier dans la moyenne vallée du Rhône et en Provence. Rev. Path. Vég. & Entom. Agr. 15: 198-209. pl. i-ii. O.1928. (Rec'd Je.1929) no.7.

Lanye, O.de. and Guyot, A.L.
Sur la désinfection des graines de betterave. Rev. Path. Vég. et Entom. Agr. 15: 161-172. pl. i. Jl.1928. (Rec'd Je.1929) no.6.

Millasseau, J.
Note préliminaire sur une maladie bactérienne du blé. Rev. Path. Vég. & Entom. Agr. 15: 279-284. pl. i. illus. Ja.4, 1929. no.9.

Rev. Path. Vég. & Entom. Agr. (cont.)

Nicolas, G. & Aggéry, Mlle.
Un cas intéressant de dépérissement du persil. Rev. Path. Vég. & Entom. Agr. 15: 182-183. illus. O.1928 (Rec'd Je.1929) no.7.
Pythium megalacanthum.

Nicolas, G. & Aggéry, Mlle.
La fonte des jeunes plants d'aubergine. Rev. Path. Vég. & Entom. Agr. 15: 147-151. Jl.1928. (Rec'd Je.1929) no.6.
Ascochyta hortorum.

Nicolas, G. & Aggéry, Mlle.
Une maladie bactérienne de quelques Cucumis (Cucumis melo L. et C.sativus L.) Rev. Path. Vég. & Entom. Agr. 16: 39-48. illus. F.22, 1929. no. 1.

Petit, A.
Traitement de la carie du blé au moyen de faibles doses de cuivre. Résultats d'une étude systématique. Rev. Path. Vég. & Entom. Agr. 15: 238-248. N.1928. (Rec'd Je.1929) no.8.

Saillard, E.
Le betterave à sucre et la cercosporiose. Rev. Path. Vég. & Entom. Agr. 15: 292-299. F.5,1929. no.10.

Savulescu, T.
Notes phytopathologiques pour l'année 1928 en Roumanie. Rev. Path. Vég. & Entom. Agr. 16: 26-28. F.22, 1929. no.1.

Science. (Lancaster, Pa.)

McClintock, B.
Chromosome morphology in Zea mays. Science. 69: 629. illus. Je.14,1929. no.1798.

McCrea, A.
The effect upon Digitalis purpurea of radiation through solarized ultra-violet-transmitting glass. Science. 69: 628-629. Je.14, 1929. no.1798.

Science. (cont.)

Rogers, C. F.
Zygophyllum fabago in Colorado. Science. 69: 600-601. Je.7,1929. no.1797.
Commonly known as Syrian bean-caper.

Shear, C.L.
Proposed amendments to the international rules for botanical nomenclature. Science. 69: 601. Je.7, 1929. no.1797.

Sprague, H. B. & Lenz, M.
The effect of x-rays on potato tubers for "seed". Science. 69: 606. Je.7,1929. no.1797.

Willcox, O. W.
Some new fundamentals in plant biology, agriculture and the food problem. Science. 69: 609-613. Je.14, 1929. no.1798.

Scient. Agr. (Ottawa)

Joel, A. H.
Weed distribution and crop character in relation to soil type in Saskatchewan. Scient. Agr. 9: 675-682. Je.1929. no.10.

Newton, M., Johnson, T. & Brown, A.M.
Reactions of wheat varieties in the seedling stage to physiologic forms of Puccinia graminis tritici. Scient. Agr. 9: 656-661. Je.1929. no.10.

Sigfusson, S. J.
Correlated inheritance of glume colour, barbing of awns and length of rachilla hairs in barley. Scient. Agr. 9: 662-674. Je.1929. no.10.

Scient. Amer. (N.Y.)

Murrill, W. A.
Neglected mushrooms. The common meadow mushroom is only one of many kinds which we may learn to recognize and eat with safety. Scient. Amer. 141: 22-23. illus. Jl.1929. no.1.

Succulenta. (Leeuwarden)

Duursma, G.D. & Houten, J.M.van den.
Sempervivums. Succulenta. 11: 141-146. illus. Je.1929. no.6.

Karsten, M.
Mimicry of beschermende nabootsing bij Mesembrianthemum. Succulenta. 11: 112-122. illus. Je.1929. no.6.

Tectona. (Buitenzorg)

Altona, T.
Eene ernstige beschadiging van djaticulturen door Loranthussorten. (Damage of Tectona grandis L.F. caused by Loranthus spec.div.) Tectona. 22: 323-352. illus. Ap.1929. no.4.
English summary: p.351-352.

Tidsskr. Planteavl. (København)

Gram, E.
Afsvampningsundersøgelser. III. Korn og graesfrø. (Seed disinfection. III. Cereals and gramineous seed) Tidsskr. Planteavl. 35: 141-268. 1929. no.2.
English summary.

Trop. Woods, Yale Univ. Sch. For. (New Haven, Conn.)

Cummings, L. A.
The forests of Venezuela. Trop. Woods, Yale Univ. Sch. For. 18: 32-42. Je.1, 1929.
Includes check list of common names.

Burtt Davy, J.
Note on Pasaniopsis cuspidata Kudo. Trop. Woods, Yale Univ. Sch. For. 18: 3. Je.1, 1929.
Synonymy given.

Janssonius, H.H.
On the suitability of certain euphorbiaceous woods for paper pulp. Trop. Woods, Yale Univ. Sch. For. 18: 1-3. Je.1, 1929.

Trop. Woods, Yale Univ. Sch. For. (cont.)

Record, S. J.

Walnut woods - true and false. Trop. Woods, Yale Univ. Sch. For. 18: 4-29. Je.1,1929.

Besides the true walnut the following are listed: American red gum or gumwood, African walnut, Australian or oriental "walnut", Imbuia of Southern Brazil, Cordia woods, East Indian "walnut", Guanacaste of middle America, Noyer du Mayombe (Congo walnut), Black poison wood of British Honduras.

Record, S.J.

The west African abachi, ayous, or samba (Triplochiton scleroxylon). Trop. Woods, Yale Univ. Sch. For. 18: 43-54. Je.1, 1929.

Standley, P.C.

Four new trees from British Honduras. Trop. Woods, Yale Univ. Sch. For. 18: 30-32. Je.1, 1929.

Pithecolobium brownii, Gilibertia concinna, Bumelia laurifolia, Diospyros bumelioides, n.sp.

Standley, P.C.

John Donnell Smith. Trop. Woods, Yale Univ. Sch. For. 18: 55-56. Je.1, 1929.

U.S. Dept. Agr. Farm. Bull.

Grant, C.V. & Hansen, A.A.

Poison ivy and poison sumac and their eradication. U.S. Dept. Agr. Farm. Bull. 1166 (rev.) 13 p. illus. My.1929.

First issued Oct.1920, rev. by F.V. Coville, M.W. Talbot & A.F. Sievers.

Yerkes, G. E.

Propagation of trees and shrubs. U.S. Dept. Agr. Farm. Bull. 1567. 51 p. illus. Ap.1929 (Rec'd Je.)

U.S. Dept. Agr. Techn. Bull.

Harter, L.L. & Weimer, J.L.

A monographic study of sweet-potato diseases and their control. U.S. Dept. Agr. Techn. Bull. 99. 117 p. illus., 26 pl. Ap.1929 (Rec'd June)

U.S. Dept. Agr. Techn. Bull. (cont.)

Kyle, C.H.
Relation of husk covering to smut of corn ears. U.S. Dept. Agr. Techn. Bull. 120. 7 p. ii pl. My.1929. (Rec'd Je.)

U.S. Dept. Agr. Yearbk.

Allard, H.A.
Chrysanthemum flowering season varies according to daily exposure to light. U.S. Dept. Agr. Yearbk. 1928: 194-195. illus. 1929.

Bates, E.N. & Bodnar, G.P.
Smut on Pacific Coast wheat can profitably be removed by washing. U.S. Dept. Agr. Yearbk. 1928: 542-543. illus. 1929.

Brandes, E.W.
Sugar industry saved in Louisiana by using disease-resistant varieties of cane. U.S. Dept.Agr. Yearbk. 1928: 565-567. 1929.

Brooks, C.
Peach rots and how temperature affects their development. U.S. Dept. Agr. Yearbk. 1928: 485. 1929.

Coons, G.H.
Sugar-beet disease control progressing toward solution. U.S. Dept. Agr. Yearbk. 1928: 557-559. illus. 1929.

Coons, G.H. & Stewart, D.
Sugar-beet leaf spot controlled by dusting from an auto truck. U.S. Dept. Agr. Yearbk. 1928: 560-561. illus. 1929.

Darrow, G.M.
Blackberries of four English varieties are introduced into U.S. U.S. Dept. Agr. Yearbk. 1928: 164-165. illus. 1929.

Dillman, A. C.
Flax resistant to wilt developed at experiment stations. U.S. Dept. Agr. Yearbk. 1928: 296-297. 1929.

Fisher, D. F.
Fruit washes and their relation to storage diseases. U.S. Dept. Agr. Yearbk. 1928: 338-340. illus. 1929.

U.S. Dept. Agr. Techn. Bull. (cont.)

Kyle, C.H.
Relation of husk covering to smut of corn ears. U.S. Dept. Agr. Techn. Bull. 120. 7 p. ii pl. My.1929. (Rec'd Je.)

U.S. Dept. Agr. Yearbk.

Allard, H.A.
Chrysanthemum flowering season varies according to daily exposure to light. U.S. Dept. Agr. Yearbk. 1928: 194-195. illus. 1929.

Bates, E.N. & Bodnar, G.P.
Smut on Pacific Coast wheat can profitably be removed by washing. U.S. Dept. Agr. Yearbk. 1928: 542-543. illus. 1929.

Brandes, E.W.
Sugar industry saved in Louisiana by using disease-resistant varieties of cane. U.S. Dept.Agr. Yearbk. 1928: 565-567. 1929.

Brooks, C.
Peach rots and how temperature affects their development. U.S. Dept. Agr. Yearbk. 1928: 485. 1929.

Coons, G.H.
Sugar-beet disease control progressing toward solution. U.S. Dept. Agr. Yearbk. 1928: 557-559. illus. 1929.

Coons, G.H. & Stewart, D.
Sugar-beet leaf spot controlled by dusting from an auto truck. U.S. Dept. Agr. Yearbk. 1928: 560-561. illus. 1929.

Darrow, G.M.
Blackberries of four English varieties are introduced into U.S. U.S. Dept. Agr. Yearbk. 1928: 164-165. illus. 1929.

Dillman, A. C.
Flax resistant to wilt developed at experiment stations. U.S. Dept. Agr. Yearbk. 1928: 296-297. 1929.

Fisher, D. F.
Fruit washes and their relation to storage diseases. U.S. Dept. Agr. Yearbk. 1928: 338-340. illus. 1929.

U.S. Dept. Agr. Yearbk. (cont.)

Galloway, B. T.
Immigrant plants hold large place among U.S. crops. U.S. Dept.Agr. Yearbk. 1928: 379-381. 1929.

Griffiths, D.
Lily breeding is fertile field for plant improvement. U.S. Dept. Agr. Yearbk. 1928: 418-420. illus. 1929.

Hartley, C.
Forest tree seedlings kept from damping-off by aliuminum sulphate. U.S. Dept. Agr. Yearbk. 1928: 332-334. illus. 1929.

Holbert, J.R. & Burlison, W.L.
Corn breeding for resistance to cold yields good results. U.S. Dept. Agr. Yearbk. 1928: 227-229. illus. 1929.

Hutton, L. D.
Rust epidemics of local areas betray barberries' presence. U.S. Dept. Agr. Yearbk. 1928: 535-537. illus. 1929.

Johnson, J.
Tobacco wildfire is less serious menace than it once seemed. U. S. Dept. Agr. Yearbk. 1928: 581-583. illus. 1929.

Leukel, R. W.
Seed-borne diseases of cereals succumb to dust fungicides. U.S. Dept. Agr. Yearbk. 1928: 537-538. 1929.

McKay, M.B., Brierley, P. & Dykstra, T.P.
Tulip "breaking" is proved to be caused by mosaic infection. U.S. Dept. Agr. Yearbk. 1928: 596-597. illus. 1929.

Martin, J. F.
Blister-rust control proves feasible in the eastern States. U.S. Dept. Agr. Yearbk. 1928: 167-169. 1929.

U.S. Dept. Agr. Yearbk. (cont.)

Parker, J. H.
Sorgo known as atlas yields well and resists lodging. U.S. Dept. Agr. Yearbk. 1928: 551-553. illus. 1929.

Porte, W.S. & Pritchard, F.J.
Tomato-blight control effected by destroying remains of the crop. U.S. Dept. Agr. Yearbk. 1928: 583-585. illus. 1929.

Ramsey, G.B.
Watery soft rot is very serious market disease of vegetables. U.S. Dept. Agr. Yearbk. 1928: 605-606. illus. 1929.

Russell, P.
Japanese Higan cherries gain in favor for the adornment of parks. U.S. Dept. Agr. Yearbk. 1928: 401-403. illus. 1929.

Shamel, A. D.
Prune bud variations have varietal and trade significance. U.S. Dept. Agr. Yearbk. 1928: 507-508. illus. 1929.

Shapovalov, M.
Tomato yellows due to virus that causes curly top in beets. U.S. Dept. Agr. Yearbk. 1928: 585-586. illus. 1929.

Stanton, T.R., Coffman, F. A. & Tapke, V.F.
Oat varieties that resist smut grown by experimentation. U.S. Dept. Agr. Yearbk. 1928: 481-482. 1929.

Steiner, G.
Nemas carry bacterial and fungous diseases from plant to plant. U.S. Dept. Agr. Yearbk. 1928: 477-479. illus. 1929.

Trost, J.F.
Corn plants dying early may reveal potash lack in soil. U.S. Dept. Agr. Yearbk. 1928: 229-230. illus. 1929.

U.S. Dept. Agr. Yearbk. (cont.)

Walker, J. C.
Yellows-resistant cabbages developed by plant breeding. U.S. Dept. Agr. Yearbk. 1928: 635-636. illus. 1929.

Weiss, F.
Flowers may disappoint unless effort is made to check fungous disease. U.S. Dept. Agr. Yearbk. 1928: 297-299. illus. 1929.

Wyckoff, S.N.
Blister-rust control in western States is aided by nature. U.S. Dept. Agr. Yearbk. 1928: 166-167. illus. 1929.

Univ. Calif. Publ. Agr.Sci. (Berkeley)

Babcock, E.B. & Clausen, J.
Meiosis in two species and three hybrids of Crepis and its bearing on taxonomic relationship. Univ. Calif. Publ. Agr. Sci. 2: 401-432. pl.58-61. 1929.

Vict. Nat. (Melbourne)

Rupp, H.M.R.
Forms and habits of certain orchids. Vict. Nat. 46: 3-8. My.1929. no. 1.

Yedeoth. (Proc. Agr. Exp. Stat. Zionist Organ) (Tel Aviv, Palestine)

Reichert, I. & Perlberger, J.
Observations and investigation of seed bed diseases of citrus trees in Palestine. Yedeoth. 9/10: 454-452. D.1928.
English abstract of Hebrew article (which explains paging)

Reichert, I.
Trunk and root disease of banana plants. Yedeoth. 9/10: 451. D.1928.
Bunchy top discovered to be present in Palestine.
English abstract of Hebrew article.

Zashch. Rast. Vred. (La Défense Plant. Leningr.)
Jaczewski, A. A.
... Sur la question de la dispersion du Pseudoperonospora humuli. Zashch. Rast. Vred. (La Défense Plant. Leningr.) 5: 595-599. 1929. no.5/6.
Russian.

Kokhanovskaja, L.N.
... Etude sur la maladie de la Nicotiana rustica, nommée "riaboukah". Zashch. Rast. Vred. (La Defense Plant. Leningr.) 5: 609-612. illus. 1929. no.5/6.
Russian.

Miller, M. S.
... Contribution à l'étude d'une maladie de la Nicotiana rustica, nommée "riaboukha". Zashch. 608. illus. 1929. no.5/6.
Russian.

Zeitschr. Indukt. Abstamm. u. Vererbungsl. (Leipzig)
Demerec, M.
Cross sterility in maize. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 50: 281-291. illus. 1929. no.3/4.

Baur, E., Herzberg-Frankel, O., Husfeld, B., Saulescu, N. & Schiemann, E.
Koppelungserscheinungen bei Antirrhinum majus. Zeitschr. Indukt. Abstamm. u.Vererbungsl. 50: 314-343. 1929. no.3/4.

Wellensiek, S. J.
Mutations in Pisum. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 50: 304-313. illus. 1929. no.3/4.

Zpráva o Cinnosti Moravsk. Zem. Výzk. Ust. Zěměd. Brně (Ber. Phytopath. Sekt. Landw. Landesversuchsanst. Brunn)
Baudys, E.
Sekce fytopathologická Zpráva o Cinnosti Moravsk. Zem. Výzk. Ust. Zěměd. Brně (Ber. Phytopath. Sekt. Landw. Landeswersuchsanst. Brunn.) 1926: 108-121. 1928.

Exper. Stat. Publ.

Magistad, O.C. & Breazeale, J. F.
Plant and soil relations at and below the wilting percentage. Arizona Agr. Exp. Stat. Techn. Bull. 25. 36 p. illus. F.1, 1929 (Rec'd Je.)

Jacob, H.E.
Powdery mildew of the grape and its control in California. California Agr. Exp. Stat. Circ. 31. 18 p. illus. Mr.1929 (Rec'd Je.)

Durrell, L.W.
Report of botanist. Ann.Rep. Colorado Agr. Exp. Stat. 41: 22-26. [1929?]
Includes plant diseases.

Sackett, W.G.
Report of the bacteriologist. Ann. Rep. Colorado Agr. Exp. Stat. 41: 17-21. [1929?]
Includes alfalfa wilt, black chaff and basal glume rot of wheat.

MacGillivray, J.H. & Ford, O.W.
Tomato quality as influenced by the relative amount of outer and inner wall region. Indiana Agr. Exp. Stat. Bull. 327. 28 p. illus. N.1928 (Rec'd Je.1929)

Guba, E. F.
Tomato leaf-mold. The use of fungicides for its control in greenhouses. Mass. Agr. Exp. Stat. Bull. 248. 24 p. illus. Mr.1929 (Rec'd Je.)

Wedgworth, H. H.
Investigations on diseases of vegetable and ornamental plants. Mississippi Agr. Exp. Stat. Bull. 261. 21 p. illus. N.1928 (Rec'd Je. 1929)

Ginsburg, J.M.
Studies of arsenical injuries and correctives. New Jersey Agr. Exp. Stat. Bull. 468. 16 p. illus. My.1929.

Exper. Stat. Publ. (cont.)

Poole, R. F. & Woodside, J. W.
A chemical control for sweet potato wilt or stem rot. North Carolina Agr. Exp. Stat. Techn. Bull. 35. 18 p. illus. Mr.1929.(Rec'd Je.)

Schuster, C. E.
English walnut production in Oregon. Oregon Agr. Exp. Stat. Circ. 91. 48 p. illus. D.1928. (Rec'd Je.1929)

Fromme, F. D.
Progress and results of investigations in plant pathology. Ann. Rep. Virginia Agr. Exp. Stat. 1919/27: 35-45. [1929?]

Garber, R.J. & Quisenberry, K. S.
A study of correlated inheritance in a certain Avena cross. West Virginia Agr. Exp. Stat. Bull. 217. 47 p. Mr.1928 (Rec'd Je.1929)

State Publications.

Coy, J.P.
Protection of our native flora by law. Month. Bull. Dept. Agr. Calif. 18: 313-315. illus. My.1929. no.5.

New Books.

Barrington, A.H.M.
Note on vegetation on forest soils. Rangoon, Government printing and stationary,1929.

Handel-Mazzetti, H.
Symbolae sinicae. Botanische ergebnisse der expedition der Akademie der wissenschaft in Wien nach Sudwest-China 1914/1918. pt.4,6. Wien. J. Springer, 1929.
IV. Musci von V.F. Brotherus. VI. Pteridophyta von H. Handel-Mazzetti.

Hara, K.
Jumoku byôgai-hen. (Diseases of woody plants). 1927.
Japanese.
Index of scientific names.

New Books. (cont.)

Hara, K.
Sakumotsu byorigabu (Pathology of crop plants). 1928.
Japanese.
Index of causal organisms.

Hegi, G.
Illustrierte flora von Mitteleuropa. 6 bd., 2.h. Dicotyledones (V. teil) Sympetalae (schluss der Compositae) Munchen, J.F. Lehmanns verlag, [1929?]

Hemmi, T.
Shokubutsu chibyôgaku hanron (General treatise on remedies for plant diseases). 1926.
Japanese.
Index of scientific names of causal organisms.

Ikata, S.
Kwaju byôgai-hen (Diseases of fruit trees). 1927.
Japanese.

North American flora. Fabaceae, Galegeae (pars) by P.A. Rydberg. v.24,pt.6, My.15,1929.

Scheepers, J.inc.
Beauty from bulbs. A treatise on the leading varieties of bulbs suitable for outdoor and indoor culture and proven merit for American gardens. N.Y., J.Scheepers, 1929.

Small, J.
A textbook of botany for medical and pharmaceutical students. 2d ed. London, J. & A. Churchill, 1929.

West, C. J.
Reading list of papermaking materials. 2 ed. N.Y., Lockwood trade journal co., 1928. (Committee on abstracts and bibliography, TAPPI, Contr. no.23)

Reprints from Journals not yet rec'd or not available.

Dufrenoy, J.
Les mosaiques du tabac. Reprinted from Bull. Off. Agr. Rég. Massif. Centr. v.9. 14 p. illus. 1928.

Gates, R.R. & Sheffield, F.M.L.
Chromosome linkage in certain Oenothera hybrids. Reprinted from Philos. Trans. Roy. Soc. Ser.B. 217: 367-394. illus., pl.89-90. table. Mr.22,1929.

Nelson, A.
The inheritance of sex in an abnormal (carpello--dic) wall-flower. Reprinted from Papers & Proc. Roy. Soc. Tasmania. 1928: 119-122. F.1929.

Correction.

List v.11, no.11, p.24.
Pflanzenbau should read "Wiss. Arch. Landw. Abt.A, Pflanzenbau," in both heading and entry under Arland.

Filed out of place.

Journ. Agr. Res.

Abbott, C. E.
Fruit bud development in the tung-oil tree. Journ. Agr. Res. 38: 679-695. illus. Je.15,1929.

U.S. Dept. Agr. miscellaneous mimeographed publications

McKay, M. B.
Tulip fire. My.,1929.
Off. Hort. Crop. & Dis. Bur. Plant Industry

Weiss, F.
Diseases of the China aster. My. 1929.
Off. Hort. Crops & Dis. Bur. Plant Industry.

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.

Vol. 11, no. 14. June 24-July 6, 1929.

Addisonia. (N.Y.)
Addisonia v.14, no.2. col.pl. 457-464. Je.1929.
Hemerocallis flava, pl.457; H.minor, pl.458; H.thunbergii, pl.459; H.fulva clon maculata, pl.460; H.aurantiaca,pl.461; H.dumortierii, pl.462; H. middendorffii, pl.463; H.multiflora, pl.464.

Agric. Colon. (Firenze)
Nicastro, C.
Il mate o tè del Paraguay (Ilex paraguariensis St.Hil). Agric. Colon. 23: 277-281. Je.1929. no.6.

Agr. Bull. Bermuda Dept. Agr.
Cunningham, H. S.
Plant pathological notes. Agr. Bull. Bermuda Dept. Agr. 8: 31, 37-38. Ap., My.1929. no.4,5.

Amer. Flor. (Chicago)
Siems, H. B.
Combating soil acidity. Acidity means an excess of ionized hydrogen, which must be neutralized for par production. Amer. Flor. 71: 9, 16. Je.22, 1929. no 2140.

Amer. Journ. Bot.
Arthur, J.M. & Newell, J.M.
The killing of plant tissue and the inactivation of tobacco mosaic virus by ultra-violet radiation. Amer. Journ. Bot. 16: 338-353. illus. pl.xxv-xxvii. My.1929. no.5.

Denny, F.E.
Chemical changes induced in potato tubers [illegible] treatments that break the rest period. Amer. Journ. Bot. 16: 326-337. My.1929. no.5.

Amer. Journ. Bot. (cont.)

Gilbert, F. A.
Factors influencing the germination of myxomycetous spores. Amer. Journ. Bot. 16: 280-286. My. 1929. no.5.

Higgins, B. B.
Morphology and life history of some ascomycetes with special reference to the presence and function of spermatia II. Amer. Journ. Bot. 16: 287-296. illus. pl.xxii. My.1929. no.5.
Mycosphaerella personata n.sp.

Lepeschkin, W. W.
The causes of ephemery of flowers. Amer. Journ. Bot. 16: 314-325. My.1929. no.5.

Shaw, M. F.
A microchemical study of the fruit coat of Nelumbo lutea. Amer. Journ. Bot. 16: 259-276. illus. pl.xix-xx. My.1929. no.5.

Shirley, H. L.
The influence of light intensity and light quality upon the growth of plants. Amer. Journ. Bot. 16: 354-390. illus. pl.xxviii-xxxii. My.1929. no.5.

Wodehouse, R. P.
Pollen grains in the identification and classification of plants IV. The Mutisieae. Amer. Journ. Bot. 16: 297-313. pl. xxiii-xxiv. My.1929. no.5.

Young, P. A.
Tobacco witches' broom. A preliminary report. Amer. Journ. Bot. 16: 277-279. pl. xxi. My. 1929. no.5.

Ann. Gembloux. (Brussels)

Decoux, L.
L'acidité du sol en rapport avec la betterave à sucre. Ann. Gembloux. 35: 129-152. My. 1929. no.5.

Ann. Inst. Pasteur. (Paris)
Dufrenoy, J.
Etude cytologique des rapports entre parasite et cellule-végétale. Ann.Inst. Pasteur. 43: 218-222. illus. F.1929. no.2.
Study of Arisaema triphyllum and parasite, Uromyces caladii.

Ann. Mus. Colon. Marseille.
Jumelle, H.
Les Neophloga, palmiers de Madagascar. Ann. Mus. Colon. Marseille. v.36(IV,v.6) fasc. 3. 47 p. 1928 (Rec'd Je.1929)

Ann. Serv. Bot. Tunisie.
Bouef, F.
Principes de la sélection du cotonnier. Ann. Serv. Bot. Tunisie. 5: 95-106. 1928 (Rec'd Je. 1929) no.1.

Bouef, F.
Les problèmes que pose l'amélioration du ble en Tunisie. Ann. Serv. Bot. Tunisie. 5: 1-5. 1928. (Rec'd Je.1929) no.1.

Petit, A.
Lutte contre les ustilaginées des céréales. Traitement des semences, substances à usages multiples, variétés résistantes. Ann. Serv. Bot. Tunisie. 5: 73-83. 1928 (Rec'd Je.1929) no.1.

Annuaire Stat. Agron. Gembloux.
Marchal, E.
Résume des observations phytopathologiques faites de 1920 à 1926. Annuaire Stat. Agron. Gembloux. 3: 115-126. 1928 (Rec'd My.1929)

Ann. Bull. Agr. Dept. Nigeria. (Lagos)
Golding, F.D., Lean, O.E. & Laycock, T.
A critical comparison of the factors inhibiting the development of three species of cotton in southern Nigeria. Ann. Bull. Agr. Dept. Nigeria. 6: 5-69. 4 pl. 1927 (Rec'd 1929)

Lewin, C.J.
On the incidence of leaf curl of cotton in southern Nigeria. Ann. Bull. Agr. Dept. Nigeria. 6: 70-77. illus. 1927 (Rec'd 1929)

Ann. Rep. Quebec Soc. Prot. Plants.

Campagna, E.
Plant diseases of lower Quebec during 1927. Ann. Rep. Quebec Soc. Prot. Plants. 20(1927/28): 86-91. 1928.

Caron, O.
The cucumber gall. Ann. Rep. Quebec Soc. Prot. Plants. 20(1927/28): 69-70. 1928.
Cladosporium probably C.cucumerinum.

Caron, O.
A preliminary note on a new method of eradicating mustard in grain fields. Ann. Rep. Quebec Soc. Prot. Plants. 20(1927/28): 71. 1928.
Salt water treatment.

Machacek, J.E.
Studies on the association of certain phytopathogens. Ann. Rep. Quebec Soc. Prot. Plants. 20(1927/28): 16-63. illus. 1928.

Raciot, H. N.
The effect of Bordeaux mixture on the yield of potatoes during three blight-free years. Ann. Rep. Quebec Soc. Prot. Plants. 20(1927/28): 64-66. 1928.

Raymond, L. C.
Corn improvement by selection in self-fertilized lines. Ann. Rep. Quebec Soc. Prot. Plants. 20(1927/28): 76-79. 1928.

Arch. Protistenk. (Jena)

Bachmann, E.
Pilz-, tier- und scheingallen auf flechten. Arch. Protistenk. 66: 459-514. illus. Je.10, 1929. no.3.

Cholnoky, B.von.
Symbiose zwischen diatomeen. Arch. Protistenk. 66: 523-530. illus. Je.10,1929. no.3.

Kol, E.
"Wasserblute" der sodateiche auf der Nagy Magyar Alföld (groszen ungarischen tiefebene) I. Arch. Protistenk. 66:515-522. illus. pl.18-21. Je.10,1929. no.3.

Ber. Deut. Bot. Ges. (Berlin)

Buchheim, A.
Infektionsversuche mit Erysiphe polygoni auf Caragana arborescens Lam. Ber. Deut. Bot. Ges. 47: 226-229. illus. My.30,1929. no.4.

Heilbronn, A.
Ueber blausäureentwicklung durch farne. Ber. Deut. Bot. Ges. 47: 230-233. My.30, 1929. no.4.

Heitz, E.
Heterochromatin, chromocentren, chromomeren. Ber. Deut. Bot. Ges. 47: 274-284. pl.v. My.30, 1929. no.4.

Iwanoff, L. A.
Ueber ein neues atmometer für die pflanzenökologie Ber. Deut. Bot. Ges. 47: 234-242. illus. My.30,1929. no.4.

Naumann, E.
Ueber morphologisch bzw. physiologisch bestimmbare eisenbakterien. Ber. Deut. Bot. Ges. 47: 262-265. My.30,1929. no.4.

Rimbach, A.
Einteilung der geophilen pflanzen. Ber. Deut. Bot. Ges. 47: 217-225. illus. My.30,1929. no.4.

Schussnig, B.
Zur entwicklungsgeschichte der siphoneen. Ber. Deut. Bot. Ges. 47: 266-274. My.30,1929. no.4.

Tschermak, E.
Zur zytologischen auffassung meiner aegilotricumbastarde und der artbastarde überhaupt. Theorie der chromosomenaddition oder kernchimärie. Ber. Deut. Bot. Ges. 47: 253-261. illus. My.30,1929 no.4.

Walter, H.
Neue gesichtspunkte zur beurteilung der wasserökologie der pflanzen. Ber. Deut. Bot. Ges. 47: 243-252. My.30, 1929. no.4.

Ber. Deut. Bot. Ges. (Berlin)

Buchheim, A.
Infektionsversuche mit Erysiphe polygoni auf Caragana arborescens Lam. Ber. Deut. Bot. Ges. 47: 226-229. illus. My.30,1929. no.4.

Heilbronn, A.
Ueber blausäureentwicklung durch farne. Ber. Deut. Bot. Ges. 47: 230-233. My.30, 1929. no.4.

Heitz, E.
Heterochromatin, chromocentren, chromomeren. Ber. Deut. Bot. Ges. 47: 274-284. pl.v. My.30, 1929. no.4.

Iwanoff, L. A.
Ueber ein neues atmometer für die pflanzenökologie Ber. Deut. Bot. Ges. 47: 234-242. illus. My.30,1929. no.4.

Naumann, E.
Ueber morphologisch bzw. physiologisch bestimmbare eisenbakterien. Ber. Deut. Bot. Ges. 47: 262-265. My.30,1929. no.4.

Rimbach, A.
Einteilung der geophilen pflanzen. Ber. Deut. Bot. Ges. 47: 217-225. illus. My.30,1929. no.4.

Schussnig, B.
Zur entwicklungsgeschichte der siphoneen. Ber. Deut. Bot. Ges. 47: 266-274. My.30,1929. no.4.

Tschermak, E.
Zur zytologischen auffassung meiner aegilotricum-bastarde und der artbastarde überhaupt. Theorie der chromosomenaddition oder kernchimärie. Ber. Deut. Bot. Ges. 47: 253-261. illus. My.30,1929 no.4.

Walter, H.
Neue gesichtspunkte zur beurteilung der wasserökologie der pflanzen. Ber. Deut. Bot. Ges. 47: 243-252. My.30, 1929. no.4.

Ber. Deut. Chem. Ges. (Berlin)
Rehorst, K.
Ueber das saponin der zuckerrübe. Ber. Deut. Chem. Ges. 62: 519-534. Mr.6,1929. no.3.

Ber. Westpreuss. Bot.-Zool. Ver.
Lakowitz, C.
Die cyanophyceen (Schizophyceen), blautange der Ostsee. Ber. Westpreuss. Bot.-Zool. Ver. 49: 88-92. 1927.

Lakowitz, C.
Vererbungsregeln bei pflanze, tier und mensch. Ber. Westpreuss. Bot.-Zool. Ver. 49: 93-100. illus. 1927.

Ziegenspeck, H.
Die phylogenie der coniferen. Ber. Westpreuss. Bot.-Zool. Ver. 49: 45-60. illus. 1927.

Biol. Medd. K. Kanske Vidensk. (København)
Børgesen, F.
Marine algae from the Canary Islands especially from Teneriffe and Gran Canaria III. Rhodophyceae pt.1. Bangiales and Nemalionales. Biol. Medd. K. Danske Vidensk. Selsk. v.6, no.6. 97 p. illus. 1927 (Rec'd 1929)

Blumen u. Pflanzenb. (Berlin)
Gleisberg, W.
Die heideerdgewinnung für topfpflanzenkultur unter dem gesichtspunkt der bodensäure. Blumen u. Pflanzenb. 44: 99-102. illus. Je.5,1929. no.6.

Hahmann, C.
Schädigung an cinerarien durch begasung mit cyanogas. Blumen u. Pflanzenb. 44: 108-110. illus. Je.5,1929. no.6.

Kotte, W.
Der pflanzenschutz im holländischen blumenzwiebelbau. Blumen u. Pflanzenb. 44: 97-99. illus. Je.5, 1929. no.6.

Bol. Min. Agr. Nac. Argentine.
Clos, E. C.
Primera contribución al conocimiento de los árboles cultivados en la Argentina. Bol. Min. Agr. Nac. Argentine. 28: 29-60. illus. Ja./Mr. 1929. no.1.

Boll. Soc. Ital. Biol. Sper.
Colla, S.
Sull'azione dei raggi di wood durante la germinazione e i primi periodi di accrescimento delle piante. Boll. Soc. Ital. Biol. Sper. 4: 298-301. Mr.1929. no.3.

Bot. Gaz. (Chicago)
Bartoo, D. R.
Origin and development of tissues in root of Schizaea rupestris. Bot. Gaz. 87: 642-652. illus. Je.1929. no.5.

Bose, S. R.
Artificial culture of Ganoderma lucidus Leyss from spore to spore. Bot. Gaz. 87: 665-667. illus. Je.1929. no.5.

Church, G. L.
Meiotic phenomena in certain Gramineae. I- Bot. Gaz. 87: 608-629. pl. xxv-xxvi. Je.1929. no.3.
I. Festuceae, Aveneae, Agrostideae, Chlorideae, and Phalarideae.

Davies, P. A.
Irreversible injury and CO_2 production from cells of Nitella flexilis. Bot. Gaz. 87: 660-664. Je. 1929. no.5.

Goodspeed, T. H.
Cytological and other features of variant plants produced from X-rayed sex cells of Nicotiana tabacum. Bot. Gaz. 87: 563-582. illus. Je.1929. no.5.

Haas, A.R.C.
Mottle-leaf in citrus artificially produced by lithium. Bot. Gaz. 87: 630-641. illus. Je. 1929. no.5.

Bot. Gaz. (cont.)

Schaffner, J. H.
Progeny resulting from self-pollination of staminate plant of Morus alba showing sex reversal. Bot. Gaz. 87: 653-659. Je.1929. no.5.

Shull, C. A.
A spectrophotometric study of reflection of light from leaf surfaces. Bot. Gaz. 87: 583-607. diagrs. Je.1929. no.5.

Bull. Miyazaki Coll. Agr. & For.

Hino, I. & Kato, H.
Cicinnoboli parasitic on mildew fungi. Bull. Miyazaki Coll. Agr. & For. 1: 91-100. illus. 1929.
Cicinnobolus euonymi-japonici on mycelia of Oidium euonymi-japonici (mildew of Japanese spindle tree) Cicinnobolus asteris, n.sp. on mildew (Oidium astericolum n.sp.) of Tater aster.

Hino, I.
Kinkakubyô-kin no kogata-bunseihôsi, tokuni sono bunseihôsi-zidai ni tuite (Microconidia in genus Sclerotinia with special reference to the conidial forms in the genus). Bull. Miyazaki Coll. Agr. & For. 1: 67-90. illus. 1929.
Japanese with English summary.

Miyazawa, B.
Observations on the botanical name of Japanese Iris and its horticultural history. Bull. Miyazaki Coll. Agr. & For. 1: 15-41. illus. 1929.
Japanese with English summary.

Miyazawa, B.
On the inheritance of length and breadth of leaves in the barley. Bull. Miyazaki Coll. Agr. & For. 1: 1-14. 1929.
Japanese.

Tanaka, T.
Notes on the origination and limitation of species in Citrus. Bull. Miyazaki Coll. Agr. & For. 1: 109-114. 1929.

Bull. Mus. Hist. Nat. Paris.

Biers, P.
Observations sur la biologie d'un polypore, P.hispidus (Bull.) Fr. recueilli au Muséum. Bull. Mus. Hist. Nat. Paris. 34: 469-471. 1928. (Rec'd Je.1929) no.6.

Bois, D.
Floraisons observées dans les serres du Muséum pendant l'année 1929. Bull. Mus. Hist. Nat. Paris. 34: 458-461. 1928 (Rec'd Je.1929) no.5.

Bois, D.
Sur deux plantes alimentaires peu connues de Madagascar. Bull. Mus. Hist. Nat. Paris. 34: 357-358. 1928 (Rec'd Je.1929) no.5.
Adansonia grandidieri, Podostemon minutiflorus.

Choux, P.
Les asclépiadacées récoltées à Madagascar par M.Decary en 1926. Bull. Mus. Hist. Nat. Paris. 34: 367-370. 1928 (Rec'd Je.1929) no.5.

Danguy, P.
Contribution à l'étude des monimiacées de Madagascar. Bull. Mus. Hist. Nat. Paris. 34: 278-280. 1928 (Rec'd Je.1929) no.4.
Hedycaryopsis (gen.nov.) H.madagascariensis, Decarydendron (gen.nov.) D.helenae, Tambourissa nitida (sp.nov.)

Guillaumin, A.
Plantes nouvelles ou critiques des serres du Muséum. (cont.) Bull. Mus. Hist. Nat. Paris. 34: 281-283, 359-362, 462-465. 1928 (Rec'd Je.1929) no.4-6.
Begonia majungaensis, Polystachya waterlotii, n.sp.

Hickel, R. & Camus, A.
Pasania nouveaux d'Indo-Chine. Bull. Mus. Hist. Nat. Paris. 34: 363-366. 1928 (Rec'd Je. 1929) no.5.

Bull. Mus.Hist. Nat. Paris. (cont.)

Lecomte, H.

Deux sapotacées nouvelles de Madagascar et d'Afrique. Bull. Mus.Hist. Nat. Paris. 34: 355-356. 1928 (Rec'd Je.1929) no.5.

Donella perrieri, Synsepalum congolense, n.sp. Donella perrieri v.sambiranensis, n.var.

Pellegrin, F.

Plantae Letestuanae novae ou Plantes nouvelles récoltées par M. Le Testu de 1907 à 1919 dans le Mayombe congolais. XIV. Bull. Mus.Hist. Nat. Paris. 34: 466-468. 1928 (Rec'd Je.1929) no.6.

Prevostea mayombensis, Cleistanthus itsoghensis, C.ngounyensis, new spec.

Bull. Soc. Centr. For. Belgique. (Bruxelles)

Ledoux, P.

Documents et études de drymologie et de phytotechnologie. 2. Quelques problèmes de la phytogéographie floristique relatifs à la drymologie. Bull. Soc. Centr. For. Belgique. 36: 232-250. illus. My./Je. 1929. no.5/6.

Bull. U.S. Golf Assoc. Green Sect. (Wash., D.C.)

Monteith, J. jr.

Some effects of lime and fertilizers on turf diseases. Bull. U. S. Golf Assoc. Green Sect. 9: 82-99. illus. My.1929. no.5.

Calif. Citrogr. (Los Angeles)

Haas, A. R. C.

Effect of boron on growth of citrus. Calif. Citrogr. 14: 355. illus. Jl.1929. no.9.

Jensen, C.A. & Foote, F. J.

Some studies on fertilization of lemon groves, Limoneira Ranch, Santa Paula, Calif. III. Calif. Citrogr. 14: 356, 399-400. Jl.1929. no.9.

Centralbl. Bakt. Abt.II. (Jena)

Boas, F.

Beobachtungen über stammesauslese. Centralbl. Bakt. Abt.II. 78: 21-40. My.27, 1929. no.1/7.

Centralbl. Bakt. Abt. II. (cont.)

Potter, M. C.
Electrical effects accompanying the decomposition or organic compounds, considered in relation to photosynthesis and plant nutrition. Centralbl. Bakt. Abt.II. 78: 56-65. My.27, 1929. no.1/7.

Rahn, O.
Contributions to the classification of bacteria. Centralbl. Bakt. Abt.II. 78: 1-21. My.27,1929. no.1/7.

Siemaszko, W.
Phytopathologische beobachtungen in Polen. Centralbl. Bakt. Abt.II. 78: 113-116. My.27,1929. no. 1/7.

Compt. Rend. Acad. Agr. France. (Paris)

Cadoret, A.
Nouvelles maladies des noyers en Savoie. Compt. Rend.Acad. Agr. France. 15: 684-686. 1929. no.18.
Caused by insects associated with Aspergillus.

Compt. Rend. Acad. Sci. Paris.

Chemin, E.
Variations de l'iode chez une floridée: Trailliella intricata Batt. Compt. Rend. Acad. Sci. Paris. 188: 1624-1625. Je.17, 1929. no.25.

Choux, P.
Les didiéracées, xérophytes de Madagascar. Compt. Rend. Acad. Sci. Paris. 188: 1619-1621. Je.17, 1929. no.25.
Didieraceae, new family; Decarya, new genus.

Dangeard, L.
Sur les bacteriacées des minerais de fer oolithiques. Compt. Rend. Acad. Sci. Paris. 188: 1616-1618. Je.17, 1929. no.25.

Dangeard, P.A. & Trnka, M.L.
Sur les phénomènes de symbiose chez le Myrica gale. Compt. Rend. Acad. Sci. Paris. 188: 1584-1588. illus. Je.17, 1929. no.25.

Compt. Rend. Acad. Sci. Paris. (cont.)

Guilliermond, A.

Sur le développement d'un Saprolegnia dans les milieux additionnés de colorants vitaux et la coloration du vacuome pendant la croissance. Compt. Rend. Acad. Sci. Paris. 188: 1621-1623. Je.17, 1929. no.25.

Heim, R.

Sur les hyphes vasiformes des agaricacés. Compt. Rend. Acad. Sci. Paris. 188: 1566-1568. Je.10, 1929. no.24.

Lemesle, R.

Embryogénie des élatinacées. Développement de l'embryon chez l'Elatine alsinastrum L. Compt. Rend. Acad. Sci. Paris. 188: 1569-1570. Je.10, 1929. no.24.

Compt. Rend. Soc. Biol. Paris.

Gonçalves da Cunha, A.

L'imprégnation argentique dans l'étude de l'evolution du chondriome. Compt. Rend. Soc. Biol. Paris. 101: 382-383. Je.7, 1929. no.19.

Gonçalves da Cunha, A.

Quelques observations sur l'origine des chloroplastes. Compt. Rend. Soc. Biol. Paris. 101: 380-382. Je.7, 1929. no.19.

Country Life. (Amer.) (Garden City, N.Y.)

Gabrielson, I. N.

Western flowers for American gardens. Country Life. (Amer.) 56: 59-61. illus. Jl.1929. no.3.

Gregory, C.T.

Diseases of plants and their cure. V. Avoiding trouble among the lilies. Country Life. (Amer.) 56: 66-67. illus. Jl.1929. no.3.

Ernähr. Pflanze. (Berlin)

Köstlin,

Erkrankungserscheinungen an haferpflanzen infolge von kalimangel. Ernähr. Pflanze. 25: 224-228. illus. My.15,1929. no.10.

Facts about Sugar. (N.Y.)

Bourne, B.A.

Preserving sugar cane tassels for breeding purposes. Facts about Sugar. 24: 592-594, 596. illus. Je.22, 1929. no.25.

Faserforsch. (Leipzig)

Ross, J.H.H.

Die faserpflanzen aus der gattung Crotalaria. Faserforsch. 8: 36-44. illus. Je.20, 1929. no.1.

Fortschr. Landw. (Vienna)

Gerlach, M.

Ueber die bekämpfung des duwocks und unschädlichmachung des duwockgiftes. Fortschr. Landw. 4: 377-379. Je.15, 1929. no.12.

Equisetum palustre.

Gard. Chron. (London)

Darnell, A.W.

The genus Primula. (cont.) Gard. Chron. III, 85: 466. Je.22, 1929. no.2217.

Darnell, A.W.

Synnotias. Gard. Chron. III, 85: 442-443. illus. Je.15, 1929. no.2216.

Elliott, C.

Chile and the Andes. XII. Gard Chron. III, 85: 445-446. Je.15, 1929. no.2216.

Friend, H.

Problems of plant life, II. The mystery of the cell. Gard. Chron. III, 85: 446-447. Je.15, 1929. no.2216.

Redgrove, H.S.

The iris as an economic plant. Gard. Chron. III, 85: 465. Je.22, 1929. no.2217.

Standley, P.C.

Lancetilla experiment station, Honduras. Gard. Chron. III, 85: 462-464. illus. Je.22, 1929. no.2217.

Gard. Chron. (cont.)

Ward, F.K.

Mr. F. Kingdon Ward's tenth expedition in Asia. XXIII. A fresh start. Gard. Chron. III, 85: 444-445. illus. Je.15, 1929. no.2216.

Gartenbauwissensch. (Berlin)

Gassner, G. & Rabien, H.

Vergleichende frühtreibversuche mit cyancalciumpräparaten. Gartenbauwissensch. 2: 1-23. illus. Je.6, 1929. no.1.

Reinhold, Joh. & Schulz, F.

Untersuchung über den einflusz von ultraviolettglassorten auf den pflanzenertrag im gartenbau. Gartenbauwissensch. 2: 40-78. illus. Je.6, 1929. no.1.

Zimmerman, F.

Untersuchungen über die beeinflussung der keimung von tomatensamen durch beizung mit germisan und uspulun. Gartenbauwissensch. 2: 79-96. illus. Je.6, 1929. no.1.

Gladiolus Rev. (Rochester, N.Y.)

Lemoine, E.

The hardy gladiolus hybrids (concl.) Gladiolus Rev. 6: 264-266, 275. Jl.1929. no.7.

Translation of his lecture before Royal horticultural society, Sept.9, 1890.

Hilgardia. (Berkeley, Cal.)

Conrad, J.P. & Veihmeyer, F.J.

Root development and soil moisture. Hilgardia 4: 113-134. My.1929. no.4.

Hoppe-Seyl. Zeitschr. Phys. Chem. (Berlin)

Kiesel, A. & Rubin, B.

Untersuchungen über pflanzliche fortpflanzungszellen. III. Beitrag zur kenntnis der bestandteile der pollenkörner der zuckerrübe. Hoppe-Seyl. Zeitschr. Phys. Chem. 182: 241-250. 1929. no.5.

Horticulture. (Boston)

Wilson, W.H.

Leaves from a plant hunger's notebook no.6. The clematis. Horticulture. 7: 333. illus. Jl.1, 1929. no.13.

House & Gard. (Greenwich, Conn.)

Rockwell, F.F.
Modern tritonias for summer gardens. House & Gard. 56(1): 94,126. Jl.1929. no.1.

Wilder, L.B.
Pentstemons and their many possibilities. House & Gard. 56(1): 82, 106, 108, 130. illus. Jl.1929. no.1.

Indische Mercuur (Amsterdam)

Utermark, W.L.
Kerrie-poeder. Indische Mercuur. 52: 487-488. Je.12,1929. no.24.

Iowa State Coll. Journ. Sci. (Ames, Ia.)

Platz, G.A.
Some factors influencing the pathogenicity of Ustilago zeae (Beckm.) Unger. Iowa State Coll. Journ. Sci. 3: 177-214. ix. pl. Ja.1929. no.2.

Ital. Agr. (Milan)

Manaresi, A.
Un soggetto poco noto per l'innesto delle drupacee; il "Prunus davidiana" (Carrière) Franchet Ital. Agr. 66: 245-254. illus. My.1929. no.5.

Scaramuzzi, D.
Contributo allo studio dei danni del gelo. Ital. Agr. 66: 261-277. illus. My.1929. no.5.

Jahrb. Wiss. Bot. (Leipzig)

Gurewitsch, A.
Untersuchungen über die permeabilität der hülle des weizenkorns. Jahrb. Wiss. Bot. 70: 657-706. illus. 1929. no.5.

Renner, O.
Versuche zur bestimmung des filtrationswiderstandes der wurzeln. Jahrb. Wiss. Bot. 70: 805-838. illus. 1929. no.5.

Schüepp, O.
Untersuchungen zur beschreibenden und experimentellen entwicklungsgeschichte von Acer pseudoplatanus L. Jahrb. Wiss. Bot. 70: 743-804. illus. 1929. no.5.

Jahrb. Wiss. Bot. (cont.)

Stephan, J.

Entwicklungsphysiologische untersuchungen an einigen farnen I. Jahrb. Wiss. Bot. 70: 707-742. illus. 1929. no.5.

Journ. Agr. Res. (Wash., D.C.)

Artschwager, E., Brandes, E.W. & Starrett, R.C.

Development of flower and seed of some varieties of sugar cane. Journ. Agr. Res. 39: 1-30. illus. col.pl. Jl.1, 1929. no.1.

Goss, R.W.

The rate of spread of potato virus diseases in western Nebraska. Journ. Agr. Res. 39: 63-74. Jl.1, 1929. no.1.

Rosen, H.R. & Shaw, L.

Studies on Sclerotium rolfsii, with special reference to the metabolic interchange between soil inhabitants. Journ. Agr. Res. 39: 41-61. illus. Jl.1, 1929. no.1.

Journ. Amer. Soc. Agron. (Geneva, N.Y.)

Cooper, H.P., Wilson, J.K. & Barron, J.H.

Ecological factors determining the pasture flora in the northeastern United States. Journ. Amer. Soc. Agron. 21: 607-627. Je. 1929. no.6.

Journ. Bot. (London)

Exell, A.W.

New and noteworthy species of Combretum from western tropical Africa. (concl.) Journ. Bot. 67: 176-180. illus. Je.1929. no.798.

Combretum robynsii, C.pellegrinianum, C. landanaense, n.sp.

Lid, J.

Sphagnum strictum Sulliv. and Sphagnum americanum Warnst. in Scotland. Journ. Bot. 67: 170-175. illus. Je.1929. no.798.

Mr. John Gossweiler's plants from Angola and Portuguese Congo. Dicotyledones, Gamopetalae, by R.O'D. Good. Journ. Bot. 67(Suppl.): 81-88. Je.1929. no.798.

Landolphia congolana, L.mayumbensis, Gallichila magnifica, n.sp.

Journ. Dept. Agr. West. Austral. (Perth)

Gardner, C.A.
A new noxious weed. (Berkheya carduiformis, D.C.) Journ. Dept. Agr. West. Austral. II,6: 3-5. illus. Mr.1929. no.1.

Limbourn, E.J.
Varietal bunt resistance tests, 1928. Journ. Dept. Agr. West. Austral. II, 6: 199-205. Mr.1929. no.1.

Journ. Econ. Entom. (Geneva, N.Y.)

McCubbin, W.A.
Potato wart. Journ. Econ. Entom. 22: 496-502. Je.1929. no.3.

Marlatt, C.L.
Recent developments in federal plant quarantine activities. Journ. Econ. Entom. 22: 461-468. Je.1929. no.3.

Winter, J.D.
Raspberry mosaic. Journ. Econ. Entom. 22: 486-490. Je.1929. no.3.

York, H.H.
The woodgate rust. Journ. Econ. Entom. 22: 482-485. Je.1929. no.3.

Journ. Hered. (Wash., D.C.)

Goodspeed, T.H.
The effects of X-rays and radium on species of the genus Nicotiana. Journ. Hered. 20: 243-259. illus. Je.1929. no.6.

Journ. N.Y. Bot. Gard.

Peckham, E.A.S.
American iris-breeders. Journ. N.Y. Bot. Gard. 30: 137-143. Je.1929. no.354.
Abstract of lecture.

Stout, A.B.
The fulvous daylilies, I- Journ. N.Y. Bot. Gard. 30: 129-136. illus. Je.1929. no.354.

V.11, no.14, p.18.

Journ. Pomol. & Hort. Sci. (London)

Crane, M.B. & Lawrence, W.J.C.

Genetical and cytological aspects of incompatibility and sterility in cultivated fruits. Journ. Pomol. & Hort. Sci. 7: 276-301. illus., 2 pl. Je.1929. no.4.

Marsh, R.W.

Investigations on the fungicidal action of sulphur. III. Studies on the toxicity of sulphuretted hydrogen and on the interaction of sulphur with fungi. Journ. Pomol. & Hort. Sci. 7: 237-250. 1 pl. Je.1929. no.4.

Owen, O.

The occurrence of chlorates in a tomato soil. Journ. Pomol. & Hort. Sci. 7: 270-275. 2 pl. Je. 1929. no.4.

Wallace, T.

Investigations on chlorosis of fruit trees. IV. The control of lime-induced chlorosis in the field. Journ. Pomol.& Hort. Sci. 7: 251-269. no.4.

White, H.L.

The wilt disease of the carnation. Journ. Pomol. & Hort. Sci. 7: 302-323. illus., 1 pl. Je.1929. no.4.

Kranke Pflanze. (Dresden)

Kaven, G.

Die unfruchtbarkeit der obstbäume. Kranke Pflanze. 6: 112-117. Je.1929. no.6.

Meitner-Heckerl, K.

Die pflanze als versuchsobjekt der krebsforschung. Kranke Pflanze. 6: 109-110. Je. 1929. no.6.

Wieland,

Einiges über den getreiderost. Kranke Pflanze. 6: 110-111. Je. 1929. no.6.

Medd. Centralanst. Försksv. Jordbruksomr. Avd. Landtbruksbot. (Stockholm)

Linfors, T.

Iakttagelser över potatissorters förhållande till sjukdomar med särskild hänsyn till sorter som äro immuna mot potatiskräfta. Medd. no. 354 Centralanst. Försöksv. Jordbruksomr. Avd. Landbruksbot. no. 45. 26 p. 1929.

German summary: p.25-26.

Monatsschr. Deutsch. Kakteen-Ges. (Berlin)

Bödeker, F.
Mamillaria winteriae Böd., spec. nova. Monatsschr. Deutsch. Kakteen-Ges. 1: 119-120. illus. Je.1929. no.6.

Bödeker, F.
Mamillaria zahniana Böd. u. Ritter. Monatsschr. Deutsch. Kakteen-Ges. 1: 120-122. illus. Je.1929. no.6.

Schmidt, V.
Ueber formgebung der kakteen. Monatsschr. Deutsch. Kakteen-Ges. 1: 131-134. Je.1929. no.6.

Söhrens, J.
Ueber einen Echinocactus, der in selbstgeschaffenen erdlöchern wächst. Monatsschr. Deutsch. Kakteen-Ges. 1: 122-127. illus. Je.1929. no.6.

Mycologia.

Dodge, B.O.
The nature of giant spores and segregation of sex factors in Neurospora. Mycologia. 21: 222-231. illus. Jl./Ag. 1929. no.4.

Etter, B.E.
New media for developing sporophores of wood-rot fungi. Mycologia. 21: 197-203. pl.14-15. Jl./Ag. 1929. no.4.

Schreiner, E.J.
The imperfect stage of Cryptosphaeria populina. Mycologia. 21: 233. Jl./Ag. 1929. no.4.
Cytosporina.
Abstract of a report presented to the Conference of the scientific staff and registered students of the New York Botanical Garden on Mr.13, 1928.

Seaver, F.J.
Studies in tropical Ascomycetes. VI. Phyllachora simabae cedronis. Mycologia. 21: 178-179. illus. Jl./Ag. 1929. no.4.

Mycologia, (cont.)

Sideris, C.P. & Paxton, G.E.
A new species of Mortierella. Mycologia. 21: 175-177. pl.12. Jl./Ag. 1929. no.4.
M.elasson.

Swift, M.E.
Contributions to a mycological flora of local soils. Mycologia. 21: 204-221. pl.16-19. Jl./Ag.1929. no.4.

Tehon, L.R. & Stout, G.L.
Notes on the parasitic fungi of Illinois. IV. Mycologia. 21: 180-196. pl.13. Jl./Ag. 1929. no.4.
Stigmatophragmia, Cyphellphycnis, Pseudodictya n.gen., and many new species.

Nature. (London)

Ball, N.G.
Nervous impulse in Mimosa pudica. Nature. 123: 911. Je.15, 1929. no.3111.

Parkin, J.
Reduced flowers of Ranunculus. Nature. 123: 911. Je.15, 1929. no.3111.

Nuovo Giorn. Bot. Ital. (Firenze)

Gigante, R.
Embriologia dell' "Ananthus mollis" L. Nuovo Giorn. Bot. Ital. n.s. 36: 1-33. pl.i-x. 1929. no.1.

Greco, R.
Notizie preliminari sull'embriologia e la cariologia del "Myrtus communis" L. Nuovo Giorn. Bot. Ital. n.s. 36: 57-59. illus. 1929. no.1.

Messeri, A.
L'evoluzione del sistema conduttore in "Asphodelus microcarpus" Viv. e il significato dei tipi "Anemarrhena" nel. passaggio dalla radice al caule. Nuovo Giorn. Bot. Ital. n.s. 36: 46-56. illus. pl. xi. 1929. no.1.

Negodi, G.
Ricerche sulla distribuzione e transmissione dei sessi in "Urtica caudata" Vahl. Nuovo Giorn. Bot. Ital. n.s. 36: 60-126. illus., pl.xii. 1929. no.1.

Nuovo Giorn. Bot. Ital. (cont.)

Stucchi, C.
Note su alcune piante raccolte lungo il Ticino. Nuovo Giorn. Bot. Ital. n.s., 36: 34-45. 1929. no.1.

Oesterr. Bot. Zeitschr. (Wien)

Geitler, L.
Zur morphologie der blüten von Polygonum, Oesterr. Bot. Zeitschr. 78: 229-241. illus. Je.1, 1929. no.3.

Geitler, L.
Zur zytologie von Ephedra. Oesterr. Bot. Zeitschr. 78: 242-250. illus. Je.1, 1929. no.3.

Hörmann, H.
Die pollenanalytische unterscheidung von Pinus montana, P.silvestris und P. cembra. Oesterr. Bot. Zeitschr. 78: 215-228. 1 pl. Je.1,1929. no.3.

Klein, G.
Der mikrochemische nachweis der alkaloide in der pflanze XII-XIII. Oesterr. Bot. Zeitschr. 78: 251-256, 257-265. illus. Je.1, 1929. no.3.
XII. Der nachweis des colchicins. XIII. Der Nachweis des piperins und seiner spaltprodukte piperidin und piperinsäure.
G. Pollauf joint author XII; M.Krisch, XIII.

Müller, L.
Anatomisch-biochemische studien an maskierten scrophulariaceenblüten. Oesterr. Bot. Zeitschr. 78: 193-214. illus. Je.1, 1929. no.3.

Niethammer, A.
Vergleichende biochemische untersuchungen über das reifen und altern von samen und früchten. Oesterr. Bot. Zeitschr. 78: 264-273. Je.1, 1929. no.3.

Onze Ploeg Landb. Tijdschr. (Leuven)

Dijck, D.van.
Aardappelziekten. Onze Ploeg Landb.Tijdschr. 8: 161-169. illus. Je.1929. no.6.

V.11, no.14, p.22.

Philipp. Journ. Sci. (Manila)

Copeland, E.B.
The fern genus Plagiogyria. Philipp. Journ. Sci. 38: 377-415. 15 pl. Ap.1929. no.4.

Reyes, F.D. & Cruz, A.O.
Cogon and rice straw as raw material for paper manufacture. Philipp. Journ. Sci. 38: 367-376. Ap.1929. no.4.

Skvortzow, B.W.
Marine diatoms from Dairen, South Manchuria. Philipp. Journ. Sci. 38: 419-430. 2 pl. Ap. 1929. no.4.

Phytopath. Zeitschr. (Berlin)

Arens, K.
Untersuchungen über Pseudoperonospora humuli (Miyabe u. Takah.), den erreger der neuen hopfenkrankheit. Phytopath. Zeitschr. 1: 169-193. illus. 1929. no.2.

Dufrenoy, J.
Etudes cytologiques relatives aux maladies à virus. Phytopath. Zeitschr. 1: 151-167. illus. 1929. no.2.

Fedotowa, T.
Ueber die Plasmodiophora brassicae Wor. begleitenden bakterien. Phytopath. Zeitschr. 1: 195-211. 1929. no.2.

Gassner, G. & Straib, W.
Untersuchungen über die abhängigkeit des infektionsverhaltens der getreiderostpilze vom kohlensäuregehalt der luft. Phytopath. Zeitschr. 1: 1-30. illus., pl. 1. 1929. no.1.

Jaczewski, A.A.
Zur phylogenie der pilze. Phytopath. Zeitschr. 1: 117-150. 1929. no.2.

Klebahn, H.
Vergilbende junge treibgurken, ein darauf gefundenes Cephalosporium und dessen schlauchfrüchte. Phytopath. Zeitschr. 1: 31-44. illus. 1929. no.1.

Phytopath. Zeitschr. (cont.)

Lepik, E.

Untersuchungen über den biochemismus der kartoffelfäulen. I- Phytopath. Zeitschr. 1: 49-109. illus. 1929. no.1.

I. Der einfluss der Phytopthora-fäule auf die chemische zusammensetzung der kartoffelknolle.

Meurs, A.

Ein neuer wurzelbranderreger der zucker- und futterrüben. Phytopath. Zeitschr. 1: 111-116. illus. 1929. no.1.

Pythium mamillatum, n.sp.

Petri, L.

Pathologische wirkungen der uranstrahlen auf Olea purpurea. Phytopath. Zeitschr. 1: 45-48. illus. 1929. no.1.

Schaffnit, E.

Heinrich Klebahn. Phytopath. Zeitschr. 1: 213-214. port. 1929. no.2.

Occasion of his 70th birthday, Feb.20, 1929.

Proc. Acad. Nat. Sci. Phila.

Taylor, W.R.

The Alpine algal vegetation of the mountains of British Columbia. Proc. Acad. Nat. Sci. Phila. 80: 45-114. illus., pl.9-13. 1929.

Proc. Amer. Inst. Refrig.

Brooks, C.

The diseases of apples which occur in storage. Proc. Amer. Inst. Refrig. 17: 121-125. [1929?]

Lauritzen, J.I.

Factors affecting the control of vegetable diseases in storage. Proc. Amer. Inst. Refrig. 17: 132-137. [1929?]

Proc. Nat. Acad. Sci.

Berry, E.W.

Fossil plants and mountain uplift in the Pacific states. Proc. Nat. Acad. Sci. 15: 477-480. Je. 1929. no.6.

Proc. Nat. Acad. Sci. (cont.)

Farr, W.K.

Studies on the growth of root hairs in solutions. The pH molar-rate relation for Brassica oleracea in calcium sulphate. Proc. Nat. Acad. Sci. 15: 464-470. illus. Je.1929. no.6.

Goodspeed, T.H., & Avery, P.

The occurrence of a Nicotiana glutinosa haplont. Proc. Nat. Acad. Sci. 15: 502-504. illus. Je.1929. no.6.

Progr. Agr. & Vitic. (Montpellier)

Sahut, H.

Comment défendre nos vignes contre l'oidium. Progr. Agr. & Vitic. 91: 553-554. Je.9, 1929. no.23.

Quart. Journ. Indian Tea Assoc. (Calcutta)

Harrison, C.J.

Notes on bamboos. Quart. Journ. Indian Tea Assoc. 1929: 21-33. 1929. no.1.

Tunstall, A.C.

Fungi on tea roots. Quart. Journ. Indian Tea Assoc. 1929: 1-10. 1929. no.1.

Rep. Ex. Comm. Rubber Res. Scheme. (Kandy Ceylon)

Mitchell, J.

Organising secretary's report on visits to estates. Rep. Ex. Comm. Rubber Res. Scheme. 7: 9-11. 1929.

Notes on diseases.

Murray, R.K.S.

Mycologist's report for 1928. Rep. Ex. Comm. Rubber Res. Scheme. 7: 22-25. 1929.

Taylor, R.A.

Physiological botanist's report for 1928. Rep. Ex. Comm. Rubber Res. Scheme. 7: 18-21. 1929.

Rev. Fitopatol. Madrid.

Galmés, G.

Hongos encontrados en España, que viven sobre pinos. Rev. Fitopatol. Madrid. 4/6: 43-49. 1928.

Osorio-Rebellón, A.

Una enfermedad de roya en los chopos. Rev. Fitopatol. Madrid. 4/6: 50-52. 1928.

Melampsora allii-populina.

Rev. Bot. Appl. (Paris)

Beauverie, J.

Un nouvel aspect de la question de l'immunité chez les plantes. La production d'anticorps de la nature des précipitines. Rev. Bot. Appl. 9: 293-298. My.1929. no.93.

Chevalier, A.

Les Caesalpinia's à gousses tannifères. Rev. Bot. Appl. 9: 298-302. My.1929. no.93.

Hédin, L.

La culture di manioc au Cameroun. Rev. Bot. Appl. 9: 311-314. My.1929. no.93.

Kopp, A.

La multiplication des hévéas sélectionés. Rev. Bot. Appl. 9: 303-310. My.1929. no.93.

Schweiz. Apoth. Zeit.

Weyland, H.

Heufieber erregende pflanzen. Schweiz. Apoth. Zeit. 67: 277-281. Je.15, 1929. no.24.

Aus "Pharmazeutische Berichte" 1929, Nr.3.

Science. (Lancaster, Pa.)

Bergman, H.F.

Changes in the rate of respiration of the fruits of the cultivated blueberry during ripening. Science. 70: 15. Jl.5, 1929. no.1801.

Gundersen, A.

An international list of genera of vascular plants. Science. 70: 15-16. Jl.15, 1929. no.1801.

Science. (cont.)
Howard, N. O.
A new disease of Douglas fir. Science. 66: 651-652. Je.21, 1929. no.1799.
Dasyscypha sp.

Scient. Month. (Lancaster, Pa.)
Sumner, F. B.
Is evolution a continuous or discontinuous process? Scient. Month. 29: 72-78. Jl. 1929. no.1.

Soil Sci. (Baltimore)
Fonder, J. F.
The relationship of soil type to the calcium and magnesium content of green bean stems and leaves and of their expressed juice. Soil Sci. 27: 415-431. Je.1929. no.6.

Gilbert, B.E. & Smith, J. B.
Nitrates in soil and plant as indexes of the nitrogen needs of a growing crop. Soil Sci. 27: 459-468. diagrs. Je.1929. no.6.

Janssen, G.
The comparative acid tolerance of some southern legumes. Soil Sci. 27: 469-492. pl.1-3. Je. 1929. no.6.

Starkey, R.L.
Some influences of the development of higher plants upon the microörganisms in the soil: III. Influence of the stage of plant growth upon some activities of the organisms. Soil Sci. 27: 433-444. illus. Je.1929. no.6.

South African Gard. (Johannesburg)
Bolus, L.
Mesembrianthemum and allied genera (cont.) South African Gard. 19: 181. illus. Je.1929. no.6.

Marloth, R.
Euphorbias II. South African Gard. 19: 191. illus. Je.1929. no.6.

Svenska Linn. Sällsk. Arsskr.

Fries, R. E.

Carl Forsstrand minnesteckning. Svenska Linn. Sallsk. Arsskr. 12: 138-143. port. 1929.

Reuterskiöld, A.

Johan Gustaf Wahlbom, kalmar läns förste provincialmedicus, och hans brev till Linné. Svenska Linn. Sällsk. Arsskr. 12: 7-50. illus. port. 1927.

Sernander, R.

Markus Hulth. Nagra minnesord vid Svenska Linné-Sällskapets arsmöte den 20 maj 1928. Svenska Linn. Sällsk. Arsskr. 12: 1-6. port. 1929.

Tea Quart. Tea Res. Inst. Ceylon.

Gadd, C. H.

The relationship between food reserves of the tea bush and disease. Tea Quart. Tea Res. Inst. Ceylon. 2: 54-60. My.1929. no.2.

Botryodiplodia theobromae.

Tijdschr. Plantenz. (Amsterdam)

Janssen, J. J.

Invloed der bemesting op de gezondheid van de aardappel. (Einfluss der düngung auf die gesundheit der kartoffel). Tijdschr. Plantenz. 35: 119-151. pl.x. My.1929. no.5.

German summary: p.147-149.

Trans. Nat. Hist. Soc. Formosa.

Kudo, Y.

[Kinostemon] Trans. Nat. Hist. Soc. Formosa. 19: 1-2. F.1929. no.100.

Kinostemon (Teucrium L.sect. Pleurobotrys Hemsl.) gen.nov., K.pernyi, K.bidentatum, K.ornatum.

Japanese with Latin diagnosis.

Ryôdi, N.

Taiwan-san nenkin mokuroku I. (A list of Formosan mycetozoa). Trans. Nat. Hist. Soc. Formosa. 19: 16-30. F.1929. no.100.

Japanese.

Trans. Nat. Hist. Soc. Formosa. (cont.)

Sasaki, S.

Conifers and taxads distributed in the Far East. Trans. Nat. Hist. Soc. Formosa. 19: 3-12. F.1929. no.100.

Japanese.

Sawaka, K.

[Formosan fungi] no. 27. Trans. Nat. Hist. Soc. Formosa. 19: 31-38. F.1929. no.100.

Japanese.

Phytoceratiomyxa nov.gen., P.osmundae, Kordyana aneilemae, Exobasidium gaultheriae, Ithyphallus roseus, n.sp.

Yamamoto, Y.

Contributiones ad floram formosanum. Trans. Nat. Hist. Soc. Formosa. 19: 104-107. F.1929. no.100.

Crawfurdia cordifolia, Viburnum yamadai, Patrinia glabrifolia, n.sp.

Trop. Agriculture West Indies. (Trinidad)

Wardlaw, C. W.

Panama disease research. Trop. Agriculture West Indies. 6: 192-197. Jl.1929. no.7.

Summary of two reports submitted to the Empire Marketing Board.

Williams, R. O.

Limes and wither-tip. Trop. Agriculture West Indies. 6: 187-191. plates. Jl.1929. no.7.

Trudy Prikl. Bot. Gen. i Selek. (Bull. Appl. Bot. Gen. & Plant-Breed.) (Leningrad)

Bobrov, E.

... A contribution to the knowledge of the genus Cephalaria Schrad. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl.Bot., Gen. & Plant-breed.) 21(1): 311-320. illus. (incl.map) 1929.

C.syriaca with subspecies phoeniciaca, transcaucasiaca & turanica.

Russian with English summary.

Trudy Prikl. Bot. Gen. i Selek. (Bull.Appl. Bot. Gen. & plant-breed.) (cont.)

Egis, S.A.
Experiments on the drawing up of a method of buckwheat breeding II. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-Breed.) 21(1): 561-592. illus. 1929.
Russian with English summary.

Nosatovsky, A.
... Wheat grain without germ. Trudy Prikl. Bot. Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 21(1): 593-596. illus. 1929.
Russian with English summary.

Popov, M. G.
... The genus Cicer and its species (Essay of a geographical and morphological monograph). Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot. Gen. & Plant-breed.) 21(1): 3-240. illus. (incl.maps) 1929.
Russian with English summary.
Conspectus systematis et specierum generis Cicer (with Latin diagnosis)

Zhukovsky, P.M.
... A contribution to the knowledge of the genus Lupinus Tourn. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 21(1): 241-294. illus. 1929.
Russian with English summary.

Die Umschau. (Frankfurt)

Mark, H.
Der bau der zellulose und anderer gerüststoffe. Die Umschau. 33: 447-449. illus. Je.8,1929. no.23.

U.S. Dept. Agr. Farm.Bull.

Clark, J. A. & others.
Clark, J.A. & others.
Distribution of the classes and varieties of wheat in the United States. U.S. Dept. Agr. Bull. 1498. 68 p. My.1929 (Rec'd Je.)
J.H. Martin, K.S. Quisenberry, J.R. Hooker, C.E. Leighty & C.N. Dubois joint authors.

U.S. Dept. Agr. Misc. Circ.
Dewey, L. H.
Ramie, a fiber-yielding plant. U.S. Dept. Agr. Misc. Circ.110. 12 p. illus. My.1929.

U.S. Dept. Agr. Miscellaneous mimeographed publications.
Weiss, F.
Hollyhock diseases. Washington, My.1929. Mimeogr. publ.Off.Hort. Crops & Dis., Bur. Plant Ind. U.S. Dept.Agr.

Vierteljahrsschr. Naturf. Ges. Zürich.
Däniker, A.U.
Die grundlagen zur ökologischen untersuchung der pflanzengesellschaften. Vierteljahrsschr. Naturf. Ges. Zürich. 73: 392-484. 1928 (Rec'd Je.1929) no.3/4.

Schinz, H. & Wolfer, A.
Albert Thellung (1881-1928). Vierteljahrsschr. Naturf. Ges. Zürich. 73: 558-580. 1928 (Rec'd Je.1929) no.3/4.
Publikationen: p.566-580.

Schmid, W.
Untersuchungen über den bau der wurzel und der sprossachse der Amarantaceae. Vierteljahrsschr. Naturf. Ges. Zürich. 73: 217-297. pl. i-xi. 1928 (Rec'd Je.1929) no.3/4.

Vierteljahrsschr. Naturs. Ges. Zürich. Beibl.
Beger, H.
Atmophytische moosdiatomeen in der Alpen. Vierteljahrsschr. Naturf. Ges. Zürich. 73(Beibl. 15-Festschr. H. Schinz): 282-404. 1928. no.15.

Briquet, J.
L'organisation florale des cynaroïdées dites monadelphes. Vierteljahrsschr. Naturf. Ges. Zürich 73(Beibl. 15- Festschr. H. Schinz): 719-743. 1928. no.15.

Vierteljahrsschr. Naturf. Ges. Zürich. Beibl. (cont.)

Braun-Blanquet, J.
Zur kenntnis der vegetationsverhältnisse des grossen Atlas. Vierteljahrsschr. Naturf. Ges. Zürich. 73(Beibl. 15- Festschr. H. Schinz): 334-357. illus. pl. xii-xiii. 1928. no.15.

Brockmann-Jerosch, H.
Die südpolare baumgrenze. Vierteljahrsschr. Naturf. Ges. Zürich. 73(Beibl. 15- Festschr. H. Schinz): p.705-718. illus. 1928. no.15.

Däniker, A. U.
Ein ökologisches prinzip zur einteilung der pflanzengesellschaften. Vierteljahrsschr. Naturf. Ges. Zürich. 73(Beibl.15- Festschr. H.Schinz): 405-423. pl. xiv. 1928. no.15.

Ernst, A.
Genetische studien über calycanthemie bei Primula. Vierteljahrsschr. Naturf. Ges. Zürich. 73(Beibl. 15- Festschr. H. Schinz): 665-704. illus. pl.xxii. 1928. no.15.

Fischer, E.
Untersuchungen über phalloideen aus Surinam. Vierteljahrsschr. Naturf. Ges. Zürich. 73(Beibl. 15- Festschr. H. Schinz): 1-39. illus., pl.i-ii. 1928. no.15.

Furrer, E.
Die höhenstufen des Zentralapennin. Vierteljahrsschr. Naturf. Ges. Zürich. 73(Beibl. 15- Festschr. H. Schinz): 642-664. illus pl.xx-xxi. 1928. no.15.

Gäumann, E.
Das problem der immunität im pflanzenreich. Vierteljahrsschr. Naturf. Ges. Zürich. 73(Beibl. 15- Festschr. H. Schinz): 450-468. illus. 1928. no.15.

Hegi, G.
Zur flora der Maloja. Vierteljahrsschr. Naturf. Ges. Zürich. 73(Beibl. 15- Festschr. H. Schinz): 233-251. pl. ix. 1928. no.15.

Vierteljahrsschr. Naturf. Ges. Zürich. Beibl. (cont.)

Jaccard, P. & Frey, A.
Kristallhabitus und ausbildungsformen des calciumoxalat als artmerkmal. Vierteljahrsschr. Naturf. Ges. Zürich. 73(Beibl.15- Festschr. H. Schinz): 127-161. illus. pl.vi. 1928. no.15.

Jäggli, M.
La vegetazione del Monte di Caslano. Vierteljahrsschr. Naturf. Ges. Zürich. 73(Beibl. 15- Festschr. H. Schinz): 252-285. pl. x-xi. 1928. no.15.

Messikommer, E.
Verlandungserscheinungen und pflanzensukzessionen im gebiete des Pfäffikersees. Vierteljahrsschr. Naturf. Ges. Zürich. 73(Beibl. 15- Festschr. H. Schinz): 286-333. illus. 1928. no.15.

Mol, W.E.de.
Producing at will of fertile diploid and tetraploid gametes in Duc van Thol, scarlet (Tulipa suaveolens Roth). Vierteljahrsschr. Naturf. Ges. Zürich. 73(Beibl. 15- Festschr. H. Schinz): 73-97. illus. pl.iv-v. 1928. no.15.

Naegeli, O.
Ueber veränderungen der Zürcher flora im letzten jahrhundert in berücksichtigung der nachbargebiete. Vierteljahrsschr. Naturf. Ges. Zürich. 73(Beibl. 15- Festschr. H.Schinz): 601-641. 1928. no.15.

Rikli, M. & Rübel, E.
Zur kenntnis von flora und vegetationsverhältnissen der Libyschen wüste. Vierteljahrsschr. Naturf. Ges. Zürich. 73(Beibl.15- Festschr. H. Schinz): 190-232. map. pl. vii-viii. 1928. no.15.

Schellenberg, G.
Beiträge zur einem phylogenetischen system der blütenpflanzen. Vierteljahrsschr. Naturf. Ges. Zürich. 73(Beibl. 15- Festschr. H. Schinz): 358-381. 1928. no.15.

Schinz, H. R.
Karzinomentstehung durch mutation. Vierteljahrsschr. Naturf. Ges. Zürich. 73(Beibl. 15- Festschr. H. Schinz): 744-771. 1928. no.15.

Vierteljahrsschr. Naturf. Ges. Zürich. Beibl. (cont.)

Schmid, E.
Eine form von Dryas octopetala L. aus der ostalpinen Erica-heide und ihre florengeschichtliche deutung. Viertelajrhsschr. Naturf. Ges. Zürich 73(Beibl. 15- Festschr. H. Schinz): 424-449. illus. 1928. no.15.

Schmid, W.
Das anomale sekundäre dickenwachstum der Amarantaceae. Vierteljahrsschr. Naturf. Ges. Zürich. 73(Beibl. 15- Festschr. H. Schinz): 542-553. pl. xv-xvi. 1928. no.15.

Schröter, C.
Exkursionen in Ost-Java. Vierteljahrsschr. Naturf. Ges. Zürich. 73(Beibl. 15- Festschr. H. Schinz): 554-600. illus. pl. xvii, xviii, xix. 1928. no.15.

Senn, G.
Theophrasts differential-diagnosen für laubwerfende eichen. Vierteljahrsschr. Naturf. Ges. Zürich. 73(Beibl.15- Festschr. H. Schinz): 509-541. 1928. no.15.
Historia plantarum III. 8§2-7.

Spinner, H.
Contribution à la biologie et à la phytogéographie de quelques phanérogames du Jura neuchâtelois. Vierteljahrsschr. Naturf. Ges. Zürich. 73(Beibl. 15- Festschr. H.Schinz): 40-61. maps. 1928 (Rec'd Je.1929.)

Thellung, A.
Ueber die frühjahrs-veilchenflora von Lugano. Vierteljahrsschr. Naturf. Ges. Zürich. 73(Beibl. 15- Festschr. H. Schinz): 62-72. pl. iii. 1928.

Thellung, A. & Furrér, E.
Verzeichnis der veröffentlichungen von Prof. Dr. Hans Schinz. Vierteljahrsschr. Naturf. Ges. Zürich. 73(Beibl.15- Festschr. H. Sching): 773-83. 1928. no.15.

Vierteljahrsschr. Naturf. Ges. Zürich. Beibl. (cont.)

Ursprung, A. & Blum, G.

Ueber die lage der wasserabsorptionszone in der wurzel. Vierteljahrsschr. Naturf. Ges. Zürich. 73(Beibl. 15- Festschr. H. Schinz): 162-189. illus. 1928. no.15.

Wilczek, E., Geauverd, G. & Dutoit, D.

Le comportement écologique du Bromus erectus L. Vierteljahrsschr. Naturf. Ges. Zürich. 73(Beibl. 15- Festschr. H. Schinz): 469-508. 1928. no.15.

Zollikofer, C.

Ueber phototonus und plagiotropie. Vierteljahrsschr. Naturf. Ges. Zürich. 73(Beibl. 15- Festschr. H. Schinz): 98-126. illus. 1928. no.15.

Wiss. Arch. Landw. Abt.A. Pflanzenbau. (Berlin)

Lorenz,E.

Zweijährige variationsstatistische untersuchungen an reinen linien von sommergerste. Wiss. Arch. Landw. Abt.A. Pflanzenbau. 1: 399-433. Je.10, 1929. no.2.

Morgenroth, E.

Beziehungen zwischen aciditätsbestimmung und pflanzenwachstum. Wiss. Arch. Landw. Abt. A. Pflanzenbau. 1: 434-470. Je.10,1929. no.2.

Stählin, A.

Morphologische und zytologische untersuchungen an gramineen. I-II. Wiss. Arch. Landw. Abt.A. no.2.

I. Morphologische beiträge zur beurteilung der systematischen stellung einiger gramineen.

II. Untersuchungen über den zusammenhang von zytologie und morphologie, von zytologie und phylogenie bei einigen gramineen- gattung.

Yearbk. Hort. Soc. N.Y.

Guterman, C.E.F.

The lily disease investigation fellowship. A brief summary of work accomplished during the 1st year. Yearbk. Hort. Soc. N.Y. 1928: 93-99. illus. [1929]

Yearbk. Hort. Soc. N.Y. (cont.)
Hedrick, U.P.
New fruits. Yearbk. Hort. Soc. N.Y. 1928: 14-27. illus. [1929]
Abstract of lecture.

Zeitschr. Bot. (Jena)
Harder, R. & Lorenz, A.
Pollenanalytische untersuchungen an alpinen mooren. Zeitschr. Bot. 21: 693-704. illus. 1929. no.11/12.

Strehlow, K.
Ueber die sexualität einiger Volvocales. Zeitschr. Bot. 21: 625-692. illus. 1929. no.11/12.

Zeitschr. Pflanzenkr. (Stuttgart)
Zimmermann, F.
Untersuchungen uber die eignung des kurznassbeizverfahrens (Ge-Ka-Be-Verfahrens) zur beizung von saatgetreide. Zeitschr. Pflanzenkr. 39: 209-234. Je. 1929. no.6.

Zeitschr. Pilzk. (Leipzig)
Herrfurth, D.
Zur essbarkeit der schwefelköpfe. Zeitschr. Pilzk. 13(n.s.8): 74-76. My.29, 1929. no.5.

Kallenbach, F.
Vom erlen-grübling [Gyrodon lividus Sacc. ex Bull.=rubescens Sacc. ex Krbg.] Zeitschr. Pilzk. 13 (n.s. 8): 72-74. My.29, 1929. no.5.

Richter, K.
Eine erkrankung nach pilzgenuss. Zeitschr. Pilzk. 13(n.s.8): 66-71. My.29, 1929. no.5.

Stoll, F. E.
Lettländische pilze 1928. Zeitschr. Pilzk. 13 (n.s.8): 65-66. pl. 5-6. My.29,1929. no.5.
Sepultaria sepulta, Craterellus cornucopioides, Gyrocephalus rufus, Polyporus résinosus, Phallus iosmus.

Zeitschr. Zellforsch. & Mikrosk. Anat. (Berlin)
Bowen, R. H.
Studies on the structure of plant protoplasm. II. The plastidome and pseudochondriome. Zeitschr. Zellforsch. & Mikrosk. Anat. 9: 1-65. illus., pl. i-vi. My.28, 1929. no.1.

Der Zuchter. (Berlin)

Lorenz, P.
Kreuzungsmöglichkeiten in der gattung Ribes. Der Züchter. 1: 66-68. My.1929. no.2.

Rudloff, C. F.
Oenothera, ein sonderfall von faktoren- und chromosomenbindung. Der Züchter. 1: 33-40. illus. My.1929. no.2.

Schneider, F.
Neuere erfahrungen über zucherrübensorten. Der Züchter. 1: 59-66. illus. My.1929. no.2.

Exper. Stat. Publ.

Young, V.H., Ware, J.O. & Janssen, G.
Cotton wolt studies II. Preliminary studies on wilt resistance and on the effect of certain soil factors on the development of cotton wilt. Arkansas Agr. Exp. Stat. Bull.234. 32 p. illus. My. 1929.

Bradford, F. C. & Sitton, B.G.
Defective graft unions in the apple and pear. Michigan Agr. Exp. Stat. Techn. Bull. 99. 106 p. illus. Je.1929.

Taubenhaus, J.J., Dana, B.F. & Walff, S.E.
Plants susceptible or resistant to cotton root rot and their relation to control. Texas Agr. Exp. Stat. Bull. 393. 30 p. illus. F. 1929 (Rec'd Jl.1929)

Johnson, J.
The classification of certain virus diseases of the potato. Wisconsin Agr. Exp. Stat. Res. Bull. 87. 24 p. illus. Ja.1929.

New Books.

Geiger, Sister M.J.T.
A study of the origin and development of the cormlet of Gladiolus. Washington, 1929.
Diss. - Catholic Univ.

New Books. (cnt.)

Meisel, M.
A bibliography of American natural history. The pioneer century, 1769-1865. vol. III. The institutions founded or organized between 1845 and 1865. Bibliography of books. Chronological tables. Addenda. N.Y., Premier publishing co., 1929.

Murakoshi, M., Honda, S., Tamba, K. & Matsumara, J.
Dai skokubutso dzukan (Comprehensive illustrations of plants). Tokyo, 1928.
Japanese, with index to scientific names.

Norton, J.B.S.
Favorite dahlias of 1928. The first choice varieties of leading dahlia specialists. Hyattsville, Md., The author, 1929.

Reychler, L.
Indexing summary as a guide to the easy perusal of my different publications. Documentary port. Brussells, Goemaere. 1929.

Veitch, R. & Simmonds, J.H.
Pests and diseases of Queensland fruits and vegetables. Brisbane, Gov't printer, 1929.
Fungicides and disease control - Deciduous fruits - Citrus - Bananas - Pineapples - Tomatoes - Vegetables.

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.

Vol. 11, no. 15. July 8-20, 1929.

Acta Phytochim. (Tokyo)

Hattori, S.
Ueber isosakuranetin aus den blüten von Pseudaegle trifoliata. Acta Phytochim. 4: 219-226. diagr. My.23, 1929. no.2.

Tamiya, H.
Studien über die stoffwechselphysiologie von Aspergillus oryzae III. Acta Phytochim. 4: 227-295. illus. My.23, 1929. no.2.

Tamiya, H.
Ueber den einfluss des kohlenoxyds auf den stoffwechsel des schimmelpilzes. Acta Phytochim. 4: 313-326. My.23, 1929. no. 2.

Tamiya, H.
Zur kenntnis der dehydrase und des glutathions in schimmelpilzzellen. Acta Phytochim. 4: 297-311. My.23, 1929. no.2.

Agr. Journ. Brit. Guiana. (Georgetown)

Dash, J. S.
Historical cacao in British Guiana. Agr. Journ. British Guiana. 2: 76-78. pl.v. Je.1929. no.2.

Martyn, E. B.
Mosaic disease of cane. Agr. Journ. Brit. Guiana. 2: 112-113. Je.1929. no.2.

Amer. Fruit Grow. Mag. (Chicago)

Schneidarhan, F. J.
"Instant bordeaux", a better copper spray. Amer. Fruit Grow. Mag. 49: 5, 16-17. illus. Jl. 1929. no.7.

Amer. Journ. Bot.

Arnold, C. A.
On the radial pitting in Callixylon. Amer. Journ. Bot. 16: 391-393. illus. Je.1929. no.6.

Foster, A. S.
Investigations on the morphology and comparative history of development of foliar organs. I. Amer. Journ. Bot. 16: 441-474. Je. 1929. no. 6.
I. The foliage leaves and cataphyllary structures in the horsechestnut (Aesculus hippocastanum L.) pt.1.

Gilbert, F. A.
Spore germination in the myxomycetes: A comparative study of spore germination by families. Amer. Journ. Bot. 16: 421-432. pl. xxxix. Je.1929. no. 6.

Goldstein, B.
A cytological study of the fungus Massospora cicadina, parasitic on the 17-year cicada, Magicicada septendecim. Amer. Journ. Bot. 16: 394-401. illus., pl.xxxiii-xxxv. Je. 1929. no. 6.

Hitchcock, A. E. & Zimmerman, P. W.
Effect of chemicals, temperature, and humidity on the lasting qualities of cut flowers. Amer. Journ. Bot. 16: 433-440. Je. 1929. no.6.

McIntyre, A. C.
A cone and seed study of the mountain pine (Pinus pungens Lambert). Amer. Journ. Bot. 16: 402-406. pl. xxxvi. Je. 1929. no.6.

Sorokin, H.
Idiograms, nucleoli, and satellites of certain Ranunculaceae. Amer. Journ. Bot. 16: 407-420. pl. xxxvii-xxxviii. Je. 1929. no.6.

Amer. Nat.

Brink, R. A. & Burnham, C. R.
Inheritance of semi-sterility in maize. Amer. Nat. 63: 301-316. illus. Jl./Ag. 1929. no. 687.

Amer. Nat. (cont.)

Emerson, R. A.
Genetic notes on hybrids of perennial teosinte and maize. Amer. Nat. 63: 289-300. Jl./Ag. 1929. no. 687.

Imai, Y. & Tabuchi, K.
Dominant mutations of the Japanese morning glory. Amer. Nat. 63: 362-366. illus. Jl./Ag.1929. no. 687.

Lindstrom, E. W.
Linkage of qualitative and quantitative genes in maize. Amer. Nat. 63: 317-327. Jl./Ag. 1929. no. 687.

Ann. Agr. Exp. Stat. Chosen. (Suigen, Chosen, Japan)

Misu, H. & Shimohira, K.
Chemical studies on Korean wild leguminous plants, 1. Ann. Agr. Exp. Stat. Chosen. 3: 243-259. Ag.1928 (Recd Jl.1929)
Japanese, with list of species in Latin.

Ann. Rep. Wisconsin State Cranberry Grow. Assoc.

Stevens, N. E.
The false blossom situation in 1928. Ann. Rep. Wisconsin State Cranberry Grow. Assoc. 42: 17-21. 1929.

Arb. Deut. Landw.-Ges. (Berlin)

Wehsarg, O.
Die verbreitung und bekämpfung der ackerunkräuter in Deutschland. v.2, lfg.3. Herbstzeitlose und weisser germer. Arb. Deut. Landw.-Ges. no.365. 126 p. illus., x pl. 1929.
Die bekämpfung des unkrautes. 17 stück.

Arch. Bot. Sist., Fitogeogr. e Gen. (Forli)

Béguinot, A.
Illustrazione delle filliti quaternarie dei travertini palermitani conservate nel Museo di geologia della R. Università di Palermo. Arch. Bot. Sistem. Fitogeogr. e Gen. 5: 143-173. 1 fold. pl. Je. 1929. no.2.

Arch. Bot. Sist., Fitogeogr. e Gen. (cont.)

Negodi, G.

Studio monografico sulla Silene angustifolia (Mill.) Guss. con particolare riguardo alle forme italiane (concl.) Arch. Bot. Sistem. Fitogeogr. e Gen. 5: 111-141. Je. 1929. no.2.

Augu Aizsard. Inst. Darb. Parsk. (Rep. Latv. Inst. Plant Prot.) (Riga)

Eglits, M.

Noverojumi par kartupeļu škirnu attiecibam pret Actinomyces kraupjiem no. 1925-1927 g. (The befall(?) of different varieties of potatoes by Actinomyces in 1925, 1926 and 1927). Augu Aizsard. Inst. Darb. Parsk. (Rep. Latv. Inst. Plant Prot.) 1927/28: 9-10. 1928 (Rec'd 1929)

Latvian with English explanation of table.

Smarods, J.

Materiali Latvijas mikoflorai (Contributions to mycological flora of Latvia) Augu Aizsard. Inst. Darb. Parsk. (Rep. Latv. Inst. Plant Prot.) 1927/28: 8-9. 1928 (Rec'd 1929)

Ber. Ohara Inst. Landw. Forsch. (Kuraschiki)

Nisikado, Y.

Preliminary notes on yellow spot disease of wheat caused by Helminthosporium tritici-vulgaris Nisikado. Ber. Ohara Inst. Landw. Forsch. 4: 103-109. pl.x-xi. 1929. no.1.

This is an English edition of the writer's Japanese paper publ. in Ann. Phytopath. Soc. Japan. v.2, p.80-98. O.1928.

Nisikado, Y.

Studies on the Helminthosporium diseases of Gramineae in Japan. Ber. Ohara Inst. Landw. Forsch. 4: 111-126. pl. xii-xx. 1929. no. 1.

H. panici-miliacei, H.yamadai, H. brizae, H. colcis, H.miyakei, H.zizaniae, new sp.

English résumé of a paper "Nippon-san kwahonkwa shokubutu no Helminthosporium-byô ni kwansuru kenkyû" (Studies on the Helminthosporium diseases of Gramineae in Japan) publ. in "Tokubetu-hôkokû (Special report of the Ohara institute) no.4, D.1928.

Better Fruit. (Portland, Ore.)
Bouquet, A. G. B.
Artificial ripening of tomatoes. Better Fruit. 24: 18-19. Jl.1929. no.1.

La Betterave. (Paris)
Decoux, L.
Les causes de variation de la réaction du sol en relation avec la betterave à sucre. La Betterave. 39: 11, 13. Jl.1, 1929. no.18/19.

Botaniste. (Paris)
Tsang, K. C.
Recherches cytologiques sur la famille des péronosporées. Etude spéciale de la reproduction sexuelle. Botaniste. v.21, fasc. 1/2. 96 p. xvi pl. Je. 1929. no. 1/2.

Bull. Amer. Iris Soc.
Reed, A.L.
The significance of Japanese names for iris. Bull. Amer. Iris Soc. 32:13-20. Jl.1929.

Reed, G.M.
One hundred Japanese irises - more or less. Bull. Amer. Iris.Soc. 32: 4-12. illus. Jl.1929.

Bull. Écon. Indochine. (Hanoi)
Crevost, C. & Pételet, A.
Catalogue des produits de l'Indochine. Plantes medicinales (concl.). Bull. Écon. Indochine. n.s. 32: 491-585. plates. 1929. no.202.

Pételet, A.
La botanique en Indochine. Bull. Écon. Indochine. n.s. 32: 587-632. 1929. no.202.

Bull. Misc. Inform. Kew. (London)
Marsden-Jones, E.M. & Turrill, W. B.
Researches on Silene maritima and S. vulgaris, Bull. Misc. Inform. Kew. 1929: 145-175. illus., pl. vi-vii. 1929. no.5.

Wright, C. H.
Dr. Viktor Ferdinand Brotherus. Bull. Misc. Inform. Kew. 1929:175. 1929. no.5.

Bull. Ohio Biol. Surv.
Transeau, E.N. & Williams, P.E.
Distribution maps of certain plants in Ohio. Bull. Ohio Biol. Surv. 20(v.4,no.5): 181-216. maps. Je.1929.

Bull. Soc. Mycol. France. (Paris)

Demange, V.
A propos du Theatrum fungorum de Van Sterbeeck. Bull. Soc. Mycol. France. 44: 375-376. My.31, 1929. no.4.

Foex, E. & Rosella, E.
Sur une forme endoconidienne accompagnant un sclérote constitué dans un épi de blé. Bull. Soc. Mycol. France. 44: 349-359. illus. My.31, 1929. no.4.

Grelet, L.J. & Crozals, A.de.
Discomycetes nouveau Ser.III. Bull. Soc. Mycol. France. 44: 336-340. pl. xxi. My.31, 1929. no.4.

Imler, L.
Remarques sur les Russules adusta Fries ex Persoon (sensu Konrad et Maublanc) et albonigra Kromholz (sensu V.Melzer et J. Zvara). Bull. Soc. Mycol. France. 44: 348. My.31, 1929. no.4.

Josserand, M.
A propos de Russula xerampelina Sch. et de R. fusca Q. Bull. Soc. Mycol. France. 44: 343-347. My.31, 1929. no.4.

Killian, C.
Nouvelles contributions à l'étude biologique du genre Ramularia. Sur deux Ramularia parasites des Veronica. Bull. Soc. Mycol. France. 44: 317-325. pl. xviii-xix. My.31,1929. no.4.
R.veronicae cymbulariae.n.sp.
On V.officinalis.

Kuhner, R.
Lactarius subalpinus, n.sp. Bull. Soc. Mycol. France. 44: 379. pl. xxii. My.31,1929. no.4.

Kuhner, R.
Notes sur le Lentinus variabilis Schulz. Bull. Soc. Mycol. France. 44: 331-335. pl. xx. My.31, 1929. no.4.

Bull. Soc. Mycol. France. (cont.)

Lutz, L.
Sur l'Armillaria mellea Vahl. en culture artificielle. Bull. Soc. Mycol. France. 44: 326-327. My.31, 1929. no.4.

Lutz, L.
Sur l'influence exercée par le support sur les caractères morphologiques du polypore du bouleau. Contribution à l'étude du tanin anti-oxygène. Bull. Soc. Mycol. France. 44: 328-330. illus. My.31, 1929. no.4.

Melzer, V.
Note sur Amanitopsis crocea Qu. Bull. Soc. Mycol. France. 44: 341-342. My.31, 1929. no.4.

Poix, G.
Note sur Psalliota campestris et sa variété praticola. Bull. Soc. Mycol. France. 44: 362-364. My.31, 1929. no.4.

Poix, G.
Volvaria gloiocephala et Volvaria speciosa sont-elles une seule et même espèce? Bull. Soc. Mycol. France. 44: 360-361. My.31, 1929. no.4.
Two distinct species.

Terson,
Le carnet de J.J. Paulet. Bull. Soc. Mycol. France. 44: 377-378. My.31, 1929. no.4.

Unamuno, L.M.
Romualdo Gonzalez Fragoso. (1862-1928). Bull. Soc. Mycol. France. 44: 309-316. port. My.31, 1929. no.4.

Bull. Torr. Club.

Frost, F. H.
Histology of the wood of angiosperms. I. Bull. Torr. Club. 56: 259-263. pl.10. My.1929. no.5.
I. The nature of the pitting between tracheary and parenchymatous elements.

Bull. Torr. Club. (cont.)

Harper, R. A.
Morphogenesis in Polysphondylium. Bull. Torr. Club. 56: 227-258. pl.5-9. My.1929. no.5.

Killip, E.P. & Smith, A. C.
The genus Viburnum in northwestern South America. Bull. Torr. Club. 56: 265-274. My. 1929. no.5.

Canadian Journ. Res. (Ottawa)

Newton, R.,
Studies on the nature of rust resistance in wheat. Canadian Journ. Res. 1: 5-35, 86-99. My.1929(Rec'd Jl.)
J.V. Lehmann & A.E. Clark joint authors I-III; J.A. Anderson, IV.
I. Introductory. II. Physico-chemical properties of host-cell contents. III. Culture and injection experiments to demonstrate inhibiting or accessory substances. IV. Phenolic compounds of the wheat plant.

Compt. Rend. Acad. Sci. Paris.

Lutz, L.
Sur les ferments solubles sécrétés par les champignons hyménomycètes. Les constituants phénoliques des essences et la fonction antioxygène. Compt. Rend. Acad. Sci. Paris. 189: 62-63. Jl.1, 1929. no. 1.

Nicolas, G. & Aggery, Mlle. B.
Cerasus caroliniana Michx., nouvel exemple d'andromonoecie. Un type nouveau de maladie bactérienne. Compt. Rend. Acad. Sci. Paris. 188: 1693-1695. Je.24, 1929. no.26.
Organism not named.

Compt. Rend. Soc. Biol. Paris.

Guilliermond, A.
A propos de l'appareil de Golgi dans les cellules végétales et de la valeur des méthodes osmiques employées pour la différenciation de cet appariel. Compt. Rend. Soc. Biol. Paris. 101: 567-572. illus. Je.21, 1929. no.21.

Compt.Rend. Soc. Biol. Paris.(cont.)

Hocquette, M.
L'évolution des bactéries parasites de certains tubercules radiculaires d'Alnus glutinosa. Compt. Rend. Soc. Biol. Paris. 101: 698-699. Je.28, 1929. no.22.

Mangenot, G.
Sur les constituants morphologiques du cytoplasma des Spirogyra. Compt. Rend. Soc. Biol. Paris. 101: 663-664. Je.28,1929. no.22.

Milovidov, P. F.
Influence du radium sur le chondriome des cellules végétales. Compt. Rend. Soc. Biol. Paris. 101: 676-678. Je.28,1929. no.22.

Contr.U. S. Nat. Herb.

Chase, A.
The North American species of Paspalum. Contr. U.S. Nat. Herb. 28: 1-310. illus. 1929. no.1.

Difesa Piante Torino.

Bertotti, F.
Contribuzione allo studio delle muffe delle castagne. Difesa Piante Torino. 6(3): 6-8. Je. 1929.

Lanza, M.
Lo svernamento della peronospora dello spinacio. Difesa Piante Torino. 6(2): 7-9. Ap.1929.

Turin. R.osservatorio regionale - Laboratorio sperimentale di fitopatologia.
Cronaca delle malattie. Difesa Piante Torino. 6(1): 8-9, (2): 9-10, 12-13, (3): 12-14, 14-17, F., Ap., My.1929.

Voglino, P.
L'avvizzimento fogliare della margherita bianca. Difesa Piante Torino. 6(3): 1-4. illus. Je.1929.
Ramularia bellunensis.

Difesa Piante. Torino. (cont.)

Voglino, P.
Il cancro o seccume pedale della Centaurea. Difesa Piante Torino. 6(2): 1-5. illus. Ap. 1929. no.2.

Voglino, P.
Il mal dello sclerozio rosso della barbabietola e della patata. Difesa Piante Torino. 6(1): 1-8. illus. F.1929.

Ecology. (Brooklyn, N.Y.)

Allen, A. E.
Influence of Cladonia ground cover on the establishment of seedlings. Ecology. 10: 354-355. Jl.1929. no. 3.

Conard, H. S. & Galligar, G.C.
Third survey of a Long Island salt marsh. Ecology. 10: 326-336. Jl.1929. no. 3.

Gates, F. C.
Heat and the flowering of Utricularia resupinata. Ecology. 10: 353-354. Jl.1929. no. 3.

Harshberger, J. W.
Preliminary notes on American snow patches and their plants. Ecology. 10: 275-281. pl. vii-viii. Jl. 1929. no.3.

Segelken, J. G.
The determination of light intensity. Ecology. 10: 294-297. illus. Jl.1929. no.3.

Empire Cotton Grow. Rev. (London)

Hansford, C. G.
Cotton diseases in Uganda II-III. Empire Cotton Grow. Rev. 6: 160-167, 240-245. Ap., Jl.1929. no.2,3.

Kenchington, F. E.
Notes on adventitious bud formation in cotton. Empire Cotton Grow. Rev. 6: 246-247. pl. Jl. 1929. no.3.

Empire Cotton Grow. Rev. (cont.)

Massey, R.E.

Blackarm disease of cotton. Empire Cotton Grow. Rev. 6: 124-153, 248-249. Ap., Jl.1929. no.2, 3.

M.C. Hattersley joint author second pt.

Ernähr. Pflanze. (Berlin)

Brehmer, W.von. & Bärner, J.

Die verteilung and speicherung der wichtigsten kalisalze im kartoffelstengel. Ernähr. Pflanze. 25: 300-306. illus. Jl.1929. no.13.

Schoevers, T.A.C.

Die sogenannte "blattrandkrankheit" bei johannisbeeren und ihre bekämpfung. Ernähr. Pflanze. 25: 297-300. illus., 1 col.pl. Jl.1,1929. no.13.

Fortschr. Landw. (Vienna)

Sedlmayr, C.T.

Erfahrungen bei der bekämpfung der Cercospora in Ungarn. Fortschr. Landw. 4: 416-418. Jl.1, 1929. no.13.

Gard. Chron. (London)

Rules and recommendations for the nomenclature of garden plants. Gard. Chron. III, 85: 477-478. Je.29, 1929. no.2218.

Report of a committee of the Royal Horticultural Society, accepted by the Council.

Ward, F.K.

Mr. F. Kingdon Ward's tenth expedition in Asia. XXIV. At Camp V. Gard. Chron. III, 85: 476-477. illus. Je.29,1929. no.2218.

Gard. Chron. Amer. (N.Y.)

Harris, L. G.

Nature's rock garden in the Canadian Rocky mountains. Gard. Chron. Amer. 33: 251-253, 260. illus. Jl.1929. no.7.

Hadar (Palestine Citrogr.) (Jaffa)

Aaronson, A.
The late Aaron Aaronson's views on the citrus of Palestine. Hadar (Palestine Citrogr.) 2: 119-121. port. Je.1929. no.6.

Katzprowsky, S.
"Bark-discolouration" in newly-budded orange-groves caused by sunscald. Hadar (Palestine Citrogr.) 2: 125-126. illus. Je.1929. no.6.

Horticulture. (Boston)

Wilson, E. H.
Leaves from a plant hunter's notebook. no.7. The beauty-bush. Horticulture. 7: 358. illus. Jl.15, 1929. no.14.

Indian For. (Dehra Dun)

Cowan, J.M.
The malatas of northern Bengal. Indian For. 55: 226-231. pl.10. Ap.1929. no.4.
Mallotus, Macaranga.

Ghose, T.P., Gupta, B.L. & Krishna, S.
Ephedra. Indian For. 55: 215-226. Ap. 1929. no.4.

Gupta, B. L.
A new species of Vateria. Indian For. 55: 231-232. pl. 11. Ap.1929. no.4.
V.macrocarpa.

Parker, R. N.
Indian climbing acacias of the caesia group. Indian For. 55: 325-333. Je.1929. no.6.

Indische Cult. (Soerbaja)

Keiller, P. A.
Het verband tisschem bemestdmg em callus-vorming bij thee. Indische Cult. 14: 458-460. Je.1, 1929. no.11.

Wigman, H.J.
Artemisia lactiflora L. Indische Cult. 14: 452-453. illus. Je.1, 1929. no.11.

Jahresber. Ver. Naturw. Braunschweig.

Meyer, F. J.

Untersuchungen über den blatt- und wurzelwettbewerb in den heimischen wäldren. Jahresber. Ver. Naturw. Braunschweig. 20: 19-27. illus. 1928. (Rec'd Jl. 1929)

Journ. Biol. Chem. (Baltimore)

Kahlenberg, L. & Closs, J. O.

On the presence of aluminum in plant and animal matter. Journ. Biol. Chem. 83: 261-264. pl.1. Jl.1929. no.1.

Journ. Coll. Agr. Imp. Univ. Tokyo.

Kusano, S.

Observations on Olpidium trifolii Schroet. Journ. Coll. Agr. Imp. Univ. Tokyo. 10: 83-99. illus. Mr.1929. no.2.

Journ. Dept. Agr. Porto Rico. (Rio Piedras)

Cook, M. T.

The gummosis of sugar cane (Second paper). Journ. Dept. Agr. Porto Rico. 13: 73-76. Ap. 1929 (Rec'd Jl.) no.2.

Nolla, J.A.B.

Acrostalagmus aphidum Oud. and aphid control. Journ. Dept. Agr. Porto Rico. 13: 59-72. pl.xi-xii. Ap.1929. (Rec'd Jl.) no.2.

Nolla, J.A.B.

The eggplant blight and fruit rot in Porto Rico. Journ. Dept. Agr. Porto Rico. 13: 36-57. pl. vii-x. Ap.1929 (Rec'd Jl.) no.2.

Journ. Helminth. (London)

Morgan, D.O. & Peters, B. G.

The potato-root eelworm in Lincolnshire. Journ. Helminth. 7: 63-80. Je. 1929. no.2.

Triffitt, M.J.

Observations on the incidence of Heterodera schachtii at the Ormskirk potato testing station. Journ. Helminth. 7: 93-98. illus. Je.1929. no.2.

Journ. Min. Agr. Gt. Brit. (London)
Nattrass, R.N. & Hutchinson, H.P.
"Black canker" of the basket willow. Journ. Min. Agr. Gt. Brit. 36: 363-369. 2 pl. Jl. 1929. no.4.
Physalospora miyabeana.

Journ. Min. Agr. North. Ireland. (Belfast)
Megaw, W. J.
Notes on pure strains of flax. Journ. Min. Agr. North. Ireland. 2: 14-25. 1 pl. 1929.

Muskett, A.E. & Turner, E.
Apple scab and its control in northern Ireland. I- Journ. Min. Agr. North. Ireland. 2: 26-42. 2 pl. 1929.

Muskett, A. E.
The control of ordinary or late blight of the potato in northern Ireland. Journ. Min. Agr. North. Ireland. 2: 54-62. 1 pl. 1929.
(1) Spraying versus dusting.

Landbouw. Tijdschr. Vereen. Landb. Nederl.-Indië. (Buitenzorg)
Quanjer, H.M., Thung, T.H. & Elze, L.
De virusziekten der planten. I-VI. Landbouw. Tijdschr. Vereen. Land. Nederl.-Indië. 4: 625-671. Ap.1929. no. 10.
English summary to follow.

Landw. Jahrb. (Berlin)
Butkewitsch, W. W.
Zur frage über den mechanismus dernahrstoffaufnahme durch die pflanze. Landw. Jahrb. 69: 521-541. illus. 1929. no.4.

Norden, E.
Untersuchungen über den entwicklungsrhythmus von kartoffelsorten verscheidener reifezeit. Landw. Jahrb. 69: 643-692. diagrs. 1929. no.5.

Landw. Jahrb. Bayern. (München)
Weihenstephen, Ger. Höhere staatslehranstalt für gartenbau.
Bericht... 1923-1928. Landw. Jahrb. Bayern 19: 169-341. illus., plates. 1929.
Abteilung für gärtnerische botanik und gärtnerischen pflanzenschutz (p.191-211) by Emil Elssmann.

Landw. Jahrb. Schweiz. (Bern)

Stöckli, A.

Nordamerikanische futtergerste federal nr.2. Landw. Jahrb. Schweiz. 43: 398-410. 1 pl. 1929. no.3.

Diseased barley causing diseases in animals.

Malayan Agr. Journ. (Kuala Lumpur)

Thompson, A.

Phytophthora species in Malaya. Malayan Agr. Journ. 17: 53-100. 3 pl., diagrs. Mr./Ap.1929. no.3/4.

P.heveae, n.sp.

Mem. Coll. Sci. Kyoto Imp. Univ. Ser.B.

Hirayanagi, H.

The pollen mother cells of the vine. Mem. Coll. Sci. Kyoto Imp. Univ. Ser.B. 4: 273-281. illus. Mr.1929. no.3.

Chromosome arrangement III.

Kin-ya, O.

Pollen mother cells in Torilis anthriscus, Bernh. and Peucedanum japonicum, Thunb. Mem. Coll. Sci. Kyoto Imp. Univ. Ser.B. 4: 309-322. pl. xxix. illus. Mr.1929. no.3.

Chromosome arrangement V.

Kuwada, Y.

Model experiments with floating magnets and some theoretical considerations on the problem. Mem. Coll. Sci. Kyoto Imp. Univ. Ser.B. 4: 199-264. illus. Mr.1929. no.3.

Chromosome arrangement I.

Kuwada, Y. & Maeda, T.

On the structure of the cytoplasm around the blepharoplast in Cycas revoluta. Mem. Coll. Sci. Kyoto Imp. Univ. Ser.B. 4: 165-174. pl. xxvi-xxvii. Mr.1929. no.3.

Maeda, T. & Kato, K.

The pollen mother cells of Spinacia oleracea, Mill. and Vicia faba, L. Mem. Coll. Sci. Kyoto Imp. Univ. Ser. B. 4: 327-345. illus. pl.xxx. Mr.1929. no.3.

Chromosome arrangement VII.

Mem. Coll. Sci. Kyoto Univ. Ser. B. (cont.)

Muto, A.
The meiotic divisions in pollen mother cells of Phaseolus chrysanthos, Sav. and Cassia occidentalis, L. Mem. Coll. Sci. Kyoto Imp. Univ. Ser.B. 4: 265-271. illus. Mr.1929. no.3.
Chromosome arrangement II.

Nagao, S.
The heterotype division of pollen mother cells in a triploid variety of the narcissus plant. Mem. Coll. Sci. Kyoto Imp. Univ. Ser.B. 4: 347-352. illus. Mr.1929. no.3.
Chromosome arrangement VIII.

Nagao, S.
Karyological studies of the narcissus plant I. Mem. Coll. Sci. Kyoto Imp. Univ. Ser. B. 4: 175-198. illus. Mr.1929. no.3.
I. Somatic chromosome numbers of some garden varieties and some meiotic phases of a triploid variety.

Nakamura, T.
The pollen mother cells in Cycas revoluta, Thunb. Mem. Coll. Sci. Kyoto Imp. Univ. Ser. B. 4: 353-369. illus. Mr.1929. no.3.
Chromosome arrangement IX.

Shinke, N.
The meiotic divisions in pollen mother cells of Sagittaria Aginashi, Makino, and Lythrum salicaria, L. var. vulgare, D. C., subvar. genuina, Koehne. Mem. Coll. Sci. Kyoto Imp. Univ. Ser. B. 4: 283-308. illus., pl.xxviii. Mr.1929. no.3.
Chromosome arrangement IV.

Mitt. Naturf. Ges. Bern.

Fischer, E.
Ueber weitere versuche mit dem auf Juniperus phoenicea auftretenden Gymnosporangium confusum. Mitt. Naturf. Ges. Bern. 1928. p.26. 1928 (Rec'd Jl.1929)

Mitt. Naturf. Ges. Bern. (cont.)
Henrici, M.
Pflanzenphysiologische probleme aus Südafrika. Mitt. Naturf. Ges. Bern. 1928: 30-35. 1928 (Rec'd Jl. 1929)

Hersperger, C.
Ueber das vorkommen einer aecidienperidie bei melampsoren. Mitt. Naturf. Ges. Bern. 1928. p.27. 1928 (Rec'd Jl.1929)

Möller's Deut. Gärtn.-Zeit. (Erfurt)
Geier, M.
Krebskranke obstbäume auf kalkreichem boden. Möller's Deut. Gärtn.-Zeit. 44: 210. Je.21, 1929. no.18.

Nat. Hort. Mag.(Wash., D.C.)
Traub, H.
Horticultural periodicals,1800-1850. Nat. Hort. Mag. 8: 109-115. Jl.1929. no.3.

Words. (cont.) Nat. Hort. Mag. 8: 118. illus. Jl. 1929. no.3.
Leaf terminology.

Nature Mag. (Wash., D.C.)
Nearing,G. G.
When dead wood blooms. Regarding the oyster mushroom. Nature Mag. 14: 79. illus. Ag. 1929. no.2.

Naturwissenschaften. (Berlin)
Lemberg, R.
Pigmente der rotalgen. Naturwissenschaften. 17: 541. Jl.5, 1929. no.27.

K. Norske Vidensk. Selsk. Skrift.
Hagen, I. & Printz, H.
Forarbeider til en norsk lovmosflora XXI. Pottiaceae (partiellement en francais). K. Norske Vidensk. Selsb. Skrift. 1928. no.3. 96 p. 1929.

Obst- u. Gemüseb. (Berlin)

Krauss,
Wie verhindert man das auftreten der salatfäule? Obst- u. Gemüseb. 75: 113-114. Je.19, 1929. no.6.

Rathschlag, H.
Mosaikkrankheiten an salat. Obst- u. Gemüseb. u5: 114-115. illus. Je.19, 1929. no.6.

Reinhold, J.
Frühsalatkultur unter ultraviolettglassorten. Obst- u. Gemuseb. 75: 106-107. Je.19,1929. no. 6.

Proc. K. Akad. Wetensch. Amsterdam.

Haas, R.H.de.
On the connection between the geotropic curving and elasticity of the cell-wall. Proc. K. Akad. Wetensch. Amsterdam. 32: 371-373. 1929. no.3.

Weevers, T. & Oort, H.D.van.
Die funktion der alkaloide in den blättern von Cinchona succirubra Pavon. Proc. K. Akad. Wetensch. Amsterdam. 32: 364-370. 1929. no.3.

Weavers, T.
Die funktion des koffeins im stoffwechsel von Ilex paraguariensis St.Hil. Proc. K. Akad. Wetensch. Amsterdam. 32: 281-287. 1929. no.3.

Proc. Ohio Acad. Sci.

Irwin, N.M.
The cedar cliffs prairie opening of the Cincinnati region. Proc. Ohio Acad. Sci. v.8, no.5 (Spec.paper 21): 203-233. illus. 1929.

Proc. Philippine Sugar Assoc.

Teodoro, N.G. & Reyes, G.M.
Sugar cane diseases and their control. Proc. Philippine Sugar Assoc. 5th: 80-88. [1928] (Rec'd Jl.1929)

Torres, J.P.
The production of seedling cane varieties. Proc. Philippine Sugar Assoc. 5th: 49-55. illus. [1928] (Rec'd Jl.1929)

Progr. Agr. & Vitic. (Montpellier)
Villedieu, G.
La vie intime du mildiou. Progr. Agr. & Vitic. 91: 600-602. Je.23, 1929. no.25.

Protoplasma. (Leipzig)
Hoagland, D.R. & Davis, A.R.
The intake and accumulation of electrolytes by plant cells. Protoplasma. 6: 610-626. My. 1929. no.4.

Rep. Director Vet. Educ. & Res. Dept.Agr. So. Africa. (Pretoria)
Alexander, R.
Lasiosiphon anthylloides as a poisonous plant. Rep. Director Vet. Educ. & Res. Dept. Agr. So. Africa. 13/14: 233-240, pl. I. O.1928. no.1. (Rec'd Jl.1929)

Curson, H.H.
Some little known South African poisonous plants and their effects on stock. Rep. Director Vet.Educ. & Res. Dept. Agr. So. Africa. 13/14: 205-229. plates O.1928 (Rec'd Jl.1929) no.1.

Henrici, M.
The phosphorus content of the grasses of Bechuanaland in the course of their development. Rep. Director Vet.Educ. & Res. Dept. Agr. So. Africa. 13/14: 1077-1208. O.1928 (Rec'd Jl.1929) no.2.

Henrici, M.
The relations between the amount of carbohydrates in the leaves of Armoedsvlakte grasses and the meteorological factors. Rep. Director Vet. Educ. & Res. Dept. Agr. So. Africa. 13/14: 1041-1074. O. 1928(Rec'd Jl.1929) no.2.

Steyn, D. G.
Tulp poisoning. Rep. Director Vet. Educ. & Res. Dept.Agr. So. Africa. 13/14: 197-202. O. 1928 (Rec'd Jl.1929) no.1.
Species of Homeria and Moraea.

Repert. Spec. Nov. Fedde.(Berlin)

Aellen, P.

Beitrag zur systematik der Chenopodium-arten Amerikas, vorwiegend auf grund der sammlung des United States National Museum in Washington, D.C. II. Repert. Spec. Nov. Fedde. 26: 119-160. My.31, 1929. no.709/717.

Becherer, A.

Zur nomenklatur zweier gramineen. Repert. Spec. Nov. Fedde. (Repert. Europ. & Med. 2, 29/32) 26: 231-232. My.31, 1929. no.709/717.

Oplismenus undulatifolius, Hierochloe odorata (Holcus odoratus)

Bornmüller, J.

Ein beitrag zur kenntnis der gattung Cousinia. XI. Cousinia falcinella Bornm. (spec.nov.) aus dem nordöstlichen Persien, typ einer neuen sektion Falcinellae. Repert. Spec. Nov. Fedde. (Repert. Europ. & Med. 2, 29/32) 26: 178-179. My.31,1929. no.709/717.

Brand, A.

Decas specierum novarum. (cont.) Repert. Spec. Nov. Fedde. 26: 168-172. My 31, 1929. no.709/717.

Henryettana, n.gen., with one sp., H.mirabilis, new species in Amsinckia, Allocarya, Anoplocaryum, Hackelia, Lappula, Trigonotis, and Symplocos.

Fedde, F.

Neue arten von Corydalis aus China, XV. Repert. Spec. Nov. Fedde. 26:174-176. My.31, 1929. no.709/717.

C.chelidonium, n.sp., C.delavayi stenophylla, C.delavayi euryphylla, n.var.

Kränzlin, F.

Zwei neue arten von Bulbophyllum. Repert. Spec. Nov. Fedde. 26: 172-174. My.31, 1929. No.709/717.

B. superfluum, B.supervacaneum, n.sp.

Novak, F. A.

Dianthi fimbriati europaei. III. Repert. Spec. Nov. Fedde. (Repert. Europ. & Med. 2, 29/32) 26: 219-228. My.31, 1929. no.709/717.

Repert. Spec. Nov. Fedde. (cont.)

Pieper, W.
Neue und noch nicht beschriebene arten der gattung Vitex aus Afrika. Repert. Spec. Nov. Fedde. 26: 161-166. My.31, 1929. no.709/717.

Pilger, R.
Bemerkungen zur systematik der gattung Paspalum L. Repert. Spec. Nov. Fedde. (Repert. Europ. & Med. 2, 29/32) 26: 228-231. My.31, 1929. no.709/717.

Rechinger, K.H.jr.
Beiträge zur kenntnis von Rumex sekt. Lapathum. Repert. Spec. Nov. Fedde. (Repert. Europ. & Med. 2, 29/32) 26: 177. My.31, 1929. no.709/717.
R.aquitanicus,n.sp.

Rechinger, K.H.jr.
Eine neue hybride Saxifraga aus den Westkarpathen. Repert. Spec. Nov. Fedde. (Repert. Europ. & Med. 2, 29/32) 26: 233. My.31, 1929. no.709/717.
S.androsacea x perdurans (S.thrinax Rech.fil.)

Smirnow, P. A.
Euphorbia rossica P.Smirnow. Repert. Spec. Nov. Fedde. (Repert. Europ. & Med. 2,29/32) 26: 233-234. My.31, 1929. no.709/717.

Smith, J.J.
Eine neue Trichoglottis. Repert. Spec. Nov. Fedde. 26: 166-167. My.31, 1929. no.709/717.
T.joiceyana, n.sp.

Soó, R.von.
Die mittel- und südosteuropaischen arten und formen der gattung Rhinanthus und ihre verbreitung in Südosteuropa. Repert. Spec. Nov. Fedde. (Repert. Europ. & Med. 2, 29/32) 26: 179-219. My.31, 1929. no. 709/717.

Urban, I.
Sertum antillanum XXIX. Repert. Spec. Nov. Fedde. 26: 97-118. My.31, 1929. no.709/717.

Rev.Agr. Puerto Rico. (San Juan)
Ríos Lavienna, G.
El cultivo de la cidra en Puerto Rico. Rev. Agr. Puerto Rico. 22: 188-194. illus. My. 1929. no.11.

Rev. Soc. Colombiana Cienc. Nat. (Bogatá)
Toro, R. A.
Notas micologicas Colombianas. Rev. Soc. Colombiana Cienc. Nat. 18: 42-43. Ap./My. 1929. no. 100.

Rev. Gén. Bot. (Paris)
Bouget, J. & Davy de Virville, Ad.
Effets des inversions de température sur le cycle annuel du développement des végétaux dans les Pyrénées. Rev. Gén. Bot. 41: 337-347. Je.1929. no. 486.

Chalaud, G.
Le cycle évolutif de Fossombronia pusilla Dum. Rev. Gén. Bot. 41: 353-364. illus. Je.1929. no. 486.

Douin, R.
Sur le périgyne des hépatiques. Rev. Gén. Bot. 41: 348-352. illus. Je.1929. no.486.

Michel-Durand, E.
Recherches physiologiques sur les composés tanniques. Rev. Gén. Bot. 41: 388-399. Je.1929. no. 486.

Obaton, F.
Evolution de la mannite (mannitol) chez les végétaux. Rev. Gén. Bot. 41: 365-387. Je. 1929. no. 486.

Rev. Gén. Sci. (Paris)
Leblond, E.
Application de l'étude des bio-colloides à la morphologie et à la physiologie du cytoplasma. Rev. Gén. Sci. 40: 334-341. illus. Je.15, 1929. no. 11.

Rev. Hort. (Paris)

Guillaumin, A.
Les cactées, principales espèces. (cont.)
Rev. Hort. 101: 452-453. illus. Je.16, 1929.
no. 18.

Lesourd, F.
Les plus gros arbres de France. I. Feuillus (cont.)
Rev. Hort. 101: 447-448. illus. Je.16, 1929.
no.18.
Juglans, Carya.

Mottet, S.
La nomenclature des conifères. Rev. Hort.
101: 455-456. Je.16, 1929. no. 18.

Petit, A.
Grande sensibilité des plantes au calcaire
en présence de l'humus et en l'absence d'argile.
Rev. Hort. 101: 457-458. Je.16, 1929. no.18.

Rev. Path. Vég. & Entom. Agr. (Paris)

Dufrenoy, J.
Etude cytologique de taches blanches du tabac.
Rev. Path. Vég. & Entom. Agr. 16: 146-149. il-
lus. Ap./My.1929. no.4/5.

Rosella, E.
La rouille de l'immortelle (Helichrysum orientale)
Rev. Path. Vég. & Entom. Agr. 16: 153-155. Ap./
My.1929. no.4/5.
Tulenchus dipsaci.

Yossifovitch, M.
Le mécanisme de la séparation des périthèces
chez les Erysiphaceae et le rôle des fulcres.
Rev. Path. Vég. & Entom. Agr. 16: 132-140. Ap./
My.1929. no.4/5.

Rev. Vitic. (Paris)

Schloesing, Th.
Leon Lindet. Rev. Vitic. 70: 409-410.
Je.27, 1929. no.1826.

Rhodesia Agr. Journ. (Salisbury)

Hopkins, J.C.F.
What is Diplodia in maize? An answer to a popular
question to-day. Rhodesia Agr. Journ. 26: 587-595.
1 pl. Je.1929. no.6.

Riv. Patol. Veg. (Pavia)

Passalacqua, T.

Una batteriacea parassita delle Aloë nei giardini di Palermo, Bacterium aloës. Riv. Patol. Veg. 19: 105-110. My./Je. 1929. no.5/6.

Roczn. Nauk.Rolnicz. i Leśn. (Polish Agr. & For. Ann.) (Poznán)

Kobendza, R.

Bielany pod względem botanicznym. Roczn. Nauk. Rolnicz. i Leśn. (Polish Agr. & For. Ann.) 22: 299-342. illus. 1929.

Polish with French résumé:La flore de Bielany.

Malinowski, E.

Heterozja u fasoli. Roczn. Nauk Rolnicz. i Leśn. (Polish Agr. & For. Ann.) 22: 182-188. illus. 1929.

Polish with English summary: Heterosis in Phaseolus vulgaris.

Moldenhawer, K.

Studja genetyczne nad mięszańcami Triticum dicoccum x Triticum dicoccoides. Roczn. Nauk Rolnicz. i Leśn. (Polish Agr. & For. Ann.) 22: 189-212. illus. 1929.

Polish with French résumé: Etudes génetiques sur le croisement entre Tr.dicoccum x Tr. dicoccoides.

Wiśniewski, P.

Wpływ kwasu octowego na zwalczanie głowni prosa (Ustilago panici miliacei) i na kiełkowanie ziarn prosa. Roczn. Nauk Rolnicz. i Leśn. (Polish Agr. & For. Ann.) 22:363-378. 1929.

Polish with German summary: Der einfluss der essigsäure auf die bekämpfung des hirsebrands (Ustilago panici miliacei) und auf die keimfähigkeit der hirsekörner.

Sächsisch. Gärtnerbl. (Dresden)

Kammeyer, H. F.

Boden- und gartenkultur in Altägypten. Sächsisch. Gärtnerbl. 9: 242-247. illus. Jl.1, 1929. no. 13.

Science. (Lancaster, Pa.)

Aldrich, H. R. & Fassett, N. C.
Botanical and geological evidence for an ancient lake. Science. 70: 45-46. maps. Jl.12, 1929. no. 1802.

Maney, T.J., Harding, P.L. & Plagge, H.H.
A new type of respiration chamber. Science. 70: 44. illus. Jl.12, 1929. no.1802.

Swingle, C. F.
Biological control of the prickly pear in Madagascar. Science. 70: 37. Jl.12, 1929. no. 1802.

Scient. Agr. (Ottawa)

Goulden, C.H. & Neatby, K.W.
Frequency of natural crossing and its association with self-sterility in pure lines of marquillo wheat. Scient. Agr. 9: 738-746. illus. Jl.1929. no. 11.

Neatby, K.W.
An analysis of the inheritance of quantitative characters, and linkage in barley. Scient. Agr. 9: 701-729. illus. Jl. 1929. no.11.

Siemens, H.J.
The development of secondary seminal roots in corn seedlings. Scient. Agr. 9: 747-759. illus. Jl. 1929. no. 11.

Scient. Amer. (N.Y.)

Bade, E.
Fungi that kill. Certain fungus forms of life attack and destroy house flies, mosquitoes, caterpillars, butterflies, and fishes. Scient. Amer. 141: 132-133. illus. Ag.1929. no.2.

McFadden, H.
Diatoms, These lowly microscopic forms of life provide a fascinating hobby for the amateur scientist, but their industrial uses give them immense economic significance. Scient. Amer. 141: 112-114. illus. Ag.1929. no.2.

Soil Sci. (Baltimore)

Fonder, J. F.
Variations in the calcium and magnesium contents of pea plants on different soil types. Soil Sci. 28: 15-26. Jl.1929. no. 1.

Tenny, F.G. & Waksman, S. A.
Composition of natural organic materials and their decomposition in the soil: IV. The nature and rapidity of decomposition of the various organic complexes in different plant materials, under aerobic conditions. Soil Sci. 28: 55-84. diagrs. Jl.1929. no. 1.

Torreya.

Benedict, R. C.
Cabbages and cacti. Torreya. 29: 53-58. illus. My./Je. 1929. no.3.

Denslow, H.M.
Epidendrum conopseum, Ait. in Louisiana. Torryea. 29: 71. My./Je. 1929. no.3.

Harshberger, J. W.
The water-storing bracts of Mendoncia coccinea Vell. of Brazil. Torreya. 29: 66-68. illus. My./Je. 1929. no.3.

Porter, C.L. & Woollett, M.L.
The relation of Cladonia mats to soil moisture. Torreya. 29: 69-71. My./Je.1929. no.3.

Taylor, N.
The Bosque et Pará. Torreya. 29: 59-65. illus. My./Je. 1929. no.3.

Torrey, R. H.
Only New Jersey stand of Sibbaldiopsis tridentata destroyed. Torreya. 29: 72-73. My./Je. 1929. no.3.

Trop. Agr. (Ceylon) (Peradeniya)

Bertus, L. S.
A seedling disease of dadap (Erythrina lithosperma Bl.) Trop. Agr. 72: 276-278. 1 pl. My. 1929. no.5.
Fusarium sp.

U.S. Dept. Agr. Plant. Dis. Rep.
Young, P.A. & Morris, H. E.
Plant diseases in Montana in 1928. U.S. Dept. Agr. Plant Dis. Rep. Suppl. 69:110-175. 1 pl., 7 maps. My.15, 1929 (Rec'd Jl.)
Mimeographed.

Verh. Naturf. Ges. Basel.
Lüdin, H.
Untersuchungen über die transpiration von sonnen- und schattenpflanzen. Verh. Naturf. Ges. Basel. 39: 175-215. diagrs. 1929.

Vischer, W.
Haben das Oberengadin und das Berninagebiet während der letzten eiszeit den alpenpflanze als refugium gedient? Verh. Naturf. Ges. Basel. 39:169-175. 1929.

Wisconsin Hort. (Madison)
Reed, Mrs. J.A.
Rose disease control. Wisconsin Hort. 19: 332, 349. Jl. 1929. no. 11.

Zeitschr. Angew. Chem. (Leipzig)
Klein, G.
Erwiderung auf D. Vorländers kritik meiner arbeiten zur assimilation des "kohlenstoffs". Zeitschr. Angew. Chem. 42: 703-704. Je.29, 1929. no.26.

Exper. Stat. Publ.
Rosa, J. T.
Tomato production in California. California Agr. Exp. Stat. Circ. 263. 40 p. illus. May. 1928.

Ryerson, K.A., Jaffa, M.E. & Goss, H.
Avocado culture in California, rev. by R. W. Hodgson. California Agr. Exp. Stat. Bull.365. 78 p. illus. Je.1928.(Rec'd Jl. 1929)
I. History, culture, varieties, and marketing. By Knowles A. Ryerson.
II.Composition and food value. By M.E. Jaffa and H. Goss.

Exper. Stat. Publ. (cont.)

Blake, M. A.

Report of the Division of horticulture. Ann. Rep. New Jersey Agr. Exp. Stat. 1927/28, 49: 191-239. plates, tables. 1928(Recd Jl.1929)

Resistance of peach varieties to bud killing, p.191-196; Twig growth relationships in peach and apple, p.196-197; Peach breeding, technical phase, by C.H. Connors, p.211-213; Strawberries apparently affected by a root disease, by J.H. Clark, p.221; Germination of cyclamen seed, by C.H. Connors, p.230-232.

Martin, W. H.

Report of the Department of plant pathology. Ann. Rep. New Jersey Agr. Exp. Stat. 1927/28, 49: 241-278. pl.,tables, diagrs. 1928 (Recd Jl.1929)

New Jersey plant diseases, p.241-253; Potato studies in 1927, p.253-257; Sweet potato disease control studies, p.257-262; Apple scab studies in 1927, by W.H. Martin and E.S. Clark, p.262-267; Effect of soil reaction on Verticillium wilt of eggplant, by C.M. Haenseler, p.267-273; Reduction in yield of field peas due to root rot caused by Aphanomyces euteiches, by C.M. Haenseler, p.273-275; Diseases of ornamental plants, by R.P. White, p.275-278.

Van Eseltine, G. P.

A preliminary study of the unicorn plants (Martyniaceae). New York Agr. Exp. Stat. Techn. Bull. 149. 41 p. illus. Mr.1929(Rec'd Jl.)

Probiscidea confusa, P.peruviana, P.sinaloensis n.spp.; Ibicella gen.nov.

Wells, B. W.

Research in botany. Ann. Rep. North Carolina Agr. Exp. Stat. 51(1927/28): 59-69. [1929]

Division of plant pathology, S.G. Lehman in charge; Sweet potato diseases, R.F. Poole in charge.

Childs, L.

The relation of wooly apple aphis to perennial canker infection with other notes on the disease. Oregon Agr. Exp. Stat. Bull. 243. 31 p. illus. My.1929 (Recd Jl.)

Exper. Stat. Publ. (cont.)

Hartman, H., Childs, L. & Robinson, R.H.
The occurrence and prevention of calyx injury in apples from the Hood River Valley. Oregon Agr. Exp. Stat. Bull. 242. 23, [1] p. illus. My.1929.

Hansen, N. E.
Experiments in plant heredity. South Dakota Agr. Exp.Stat. Bull.237. 24 p. Ap.1929(Rec'd Jl.)

New Books.

Allan, H.H.
New Zealand trees and shrubs and how to identify them. Auckland, [etc.] Whitcombe & Tombs ltd., (Rec'd Jl.1929)

Diguet, L.
Les cactées utiles du Mexique. Paris, 1928. (Archives d'histoire naturelle publ. par la Société nationale d'acclimatation de France, IV.)

Hartmann, M.
Verteilung, bestimmung und vererbung des geschlechts bei den protisten und thallophyten. Berlin, Borntraeger, 1929 (Handbuch der vererbungswissenschaft hrsg. von E. Baur & M. Hartmann. bd.2 (lfg.9, II,E)

Internationale circumpacifische onderzoek-commissie.
Science in the Netherlands East Indies ... Ed. by L.M.R. Rutten. Amsterdam, Printed by De Bussy [1929?]

Lilienfeld, F. A.
Vererbungsversuche mit schlitzblättrigen sippen von Malva parviflora I. Leipzig, Borntraeger, 1929 (Bibliotheca genetica hrsg. von Dr. E. Baur bd.13)
I. Die lacinata-sippe.

New Books. (cont.)

Nati, P.
Memoria sull'agrume bizzarria ristampa integrale del testo Latino con traduz, e note del dott. Attilio Ragionieri. Catania, F.Battiato, 1929.

Die Pflanzenareale... 2. reihe, heft 4, karte 31-40. Jena, G. Fischer, 1929.
Limpricht, W. Taccaceae; Huber, A. Veronica I.Die gruppe Leptandra und die sektionen Pseudolysimachia und Veronicastrum.

Robbins, W.J. & Rickett, H.W.
Botany, a textbook for college and university students. New York, D. Van Nostrand co., 1929.

Seymour, A. B.
Host index of the fungi of North America. Cambridge, Mass.,Harvard university press, 1929.

Weaver, J.E. & Clements, F.E.
Plant ecology. 1st ed. N.Y., McGraw-Hill book co., 1929.

Wilson, E. H.
China, mother of gardens. Boston, Stratford company, [1929]

Reprints from Journals not yet rec'd

Keller, P.
Pollenanalytische untersuchungen an schweizer mooren and ihre florengeschichtliche deutung. Reprinted from Veröffentl. Geobotan. Inst. Rübel, Zurich, heft 5. Bern, 1928 (Rec'd Jl.1929)

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

Vol. 11, no. 16. July 22 - Aug.3, 1929

Acta Univ. Lund.

Blidning, C.
Studien über die florideenordnung Rhodymeniales. Acta Univ. Lund. n.f., avd. 2, bd.24, nr.3. 74 p. illus. 1928(Rec'd Jl.1929)

Gertz, O.D.
Linné sàsom cecidolog, en studie till cecidologiens äldre historia. Acta Univ. Lund. n.f., avd.2, bd.24, nr.5. 115 p. 1928 (Rec'd Jl.1929)

Heribert Nilsson, N.
Salix laurina. Die entwicklung und die lösung einer mehr als hundert jährigen phylogenetischen streitfrage. Acta Univ. Lund. n.f., avd.2, bd.24, nr.6. 90 p. illus., pl.i-viii. 1928 (Rec'd Jl. 1929)

Kylin, H.
Entwicklungsgeschichtliche florideenstudien. Acta Univ. Lund. n.f., avd.2, bd.24, nr.4. 127 p. illus. 1928 (Rec'd Jl.1929)

Actes Congr. Internat. Essais Semences, V. (1928) Rome.

Anderson, T.
Committee on hard seeds and broken seedlings. Actes Congr. Internat. Essais Semences. V.(1928) p.239-258. illus. 1929.

Buchholz, Y.
Bericht des vorsitzenden des ausschusses für wassergehalts-bestimmung über die arbeiten des ausschusses von 1924 bis ende 1927. Actes Congr. Internat. Essais Semences. V.(1928) p.291-333. illus. 1929.
Committee: Yngve Buchholz, Ed.Zaleski, E. Brown, S. Hammar, prof. Issatchenko.

Buchinger, A.
Der keimapparat mit glasstäben ("Glasrost") Actes Congr. Internat. Essais Semences V.(1828) p. 198-208. illus. 1929.

Actes Congr. Internat. Essais Semences, V.(1928) (cont.)

Chmelar, F.
Bestimmung der sortenechtheit durch den vegetationsversuch. Actes Congr. Internat. Essais Semences. V.(1928) p.276-287. 1929.

Doyer, L. C.
Sanitary condition of the seed and international analysis reports. Actes Congr. Internat. Essais Semences. V.(1928) p.137-151. 1929.

Draghetti, A.
Il contenuto in azoto delle cariossidi, quale mezzo di valutazione del loro grado di maturazione e di adattamento dei frumenti. Actes Congr. Internat. Essais Semences. V.(1928) p.372-379. 1929.

Franck, W.J.
Observations with regard to the bibliography of germination of seed. Actes Congr. Internat. Essais. Semences. V.(1928) p.334-337. 1929.

Gentner, G.
Beiträge zu einer monographie der provenienzen der klee- und grassaaten. Actes Congr. Internat. Essais Semences. V.(1928) p.103-125. 1929.

Grisch, A.
Soll die bezeichung "Agrostis stolonifera" für im handel kursierienden fioringrassamen benutzt werden? Actes Congr. Internat. Essais Semences. V.(1928) p.129-136. 1929.

Isachenko, B. L.
Berichte ... ueber die arbeiten der Abteilung für samenprüfung (gegr.1877) des Botanischen hauptgartens in Leningrad. Actes Congr. Internat. Essais Semences. V.(1928) p.384-404. 1929.

Meige, E.
A propos de la maturité physiologique des semences. Actes Congr. Internat. Essais Semences. V.(1928) p.288-290. 1929.

Actes Congr. Internat. Essais Semences. V(1928) (cont.)

Munerati, O.
Nuovi metodi per controllare il potere germinativo dei semi prima della germinazione reale. Actes Congr. Internat. Essais Semences. V.(1928) p.220-222. 1929.

Munerati, O.
Possibilità di una verifica preventiva della tendenza della barbabietola a salire in seme il primo anno attraverso saggi invernali. Acta Congr. Internat. Essais. Semences. V.(1928) p.216-219. 1929.

Petri, L.
Concentration des ions d'hydrogène et action de l'eau chaude sur les caryopses du blé. Actes Congr. Internat. Essais Semences V.(1928) p.128. 1929.

Petri, L.
Sur la faculté germinative des semences potagères. Actes Congr. Internat. Essais Semences. V.(1928) p.126-127. 1929.

Stahévitch, B. Y. & Koulechoff, N. N.
Observations biologiques sur le développement de la cuscute dans les champs. Actes Congr. Internat. Essais Semences. V.(1928) p.350-366. 1929.

Todaro, F.
Semi duri e semi rotti. Actes Congr. Internat. Essais Semences V.(1928) p.338-340. 1929.

Witte, H.
On broken growths of leguminous plants, their causes, judgement and value. Actes Congr. Internat. Essais Semences. V.(1928) p.267-275. col. pl. 1929.

Zaleski, E.
Statistische bewertung vergleichender keimungsversuche der Internationalen vereinigung für samenkontrolle. Actes Congr. Internat. Essais Semences. V.(1928) p.152-197. fold. tables. 1929.

Agr. Gaz.N.S.W. (Sydney)

Broadfoot, H.
Cool storage of fruit. Agr. Gaz. N.S.W. 40: 409-417. Je.1, 1929. no.6.
Diseases, & c., of fruit in storage: p.417.

Darnell-Smith, G. P.
Infection experiments with spores of blue mould disease of tobacco. Agr. Gaz. N.S.W. 40: 407-408. Je.1, 1929. no.6.

McCleery, F.C.
Exanthema of citrus in New South Wales. Agr. Gaz. N.S.W. 40: 397-406. illus. Je.1, 1929. no.6.

Amer. Midl. Nat. (Notre Dame, Ind.)

Black, M.
Equisetites in position of growth in the Sundance limestone. Amer.Midl. Nat. 11: 534-541. illus. 2 pl. Jl.1929. no. 10.

Ann. Jard.Bot.Buitenzorg.

Danser, B. H.
Ueber die Niederländisch-Indischen Stachytarpheta-arten and ihre bastarde, nebst betrachtungen über die begrenzung der arten im allgemeinen. Ann. Jard. Bot. Buitenzorg. 40: 1-44. illus., pl. i-x.(1 col.) 1929.

Funke, G. L.
Einige bemerkungen über das wachstum und die wurzelbildung bei Syngonium podophyllum. Ann. Jard. Bot. Buitenzorg. 40: 75-86. pl. xxii. 1929.

Funke, G. L.
On the biology and anatomy of some tropical leaf joints. Ann. Jard. Bot. Buitenzorg. 40: 45-74. pl. xi-xxi. (2 col.). 1929.

Janse, J.M.
A natural system of classification of monstrosities. Ann. Jard. Bot. Buitenzorg. 40: 87-138. 1929.

Verdoorn, F.
Einige morphologische notizen über Frullania. De frullaniaceis VI. Ann. Jard. Bot. Buitenzorg. 40: 139-145. illus. 1929.

Ann. Mus. Colon. Marseille.

Baudon, A.

Contribution a l'étude des plantes oléagineuses de l'Afrique equatoriale. Ann. Mus. Colon. Marseille. v.37 (IV, v.7) fasc. 1. 56 p. 1929 (Rec'd Jl.)

Ann. Mycol. (Berlin)

Blochwitz, A.

Die aspergillaceen. Ann. Mycol. 27: 185-204. pl. iii. 1929. no.3/4.

Blochwitz, A.

Die gattung Aspergillus. Ann. Mycol. 27: 205-240. illus. pl. iii. 1929. no.3/4.

Ciferri, R. & Redaelli, P.

Studies on the Torulopsidaceae. A trial general systematic classification of the asporigenous ferments. Ann. Mycol. 27: 243-295. pl. iv-vi. 1929. no.3/4.

Dodge, C. W.

The higher Plectascales. Ann. Mycol. 27: 145-184. illus. pl. i-ii. 1929. no.3/4.

Including families Trichocomaceae, with one genus, Trichocoma, and Elaphomycetaceae.

Poeverlein, H.

Uropyxis, eine für Europa neue Uredineen-gattung. Ann. Mycol. 27: 241-242. 1929. no.3/4.

Ann. Tecn. Agr. (Rome)

Conti, G.

Sulla funzione delle reste nei grani duri. Ann. Tecn. Agr. 1: 419-422. O. 1928 (Rec'd Jl. 1929) no.4.

La Rotonda, C.

Germinibilità e concentrazione idrogenionica. Ann. Tecn. Agr. 1: 63-87. tables, diagrams. Jl.1928 (Rec'd Jl. 1929) no.1.

Leggieri, L.

La incompatibilità colturale del trifoglio incarnato in successione col sorgo sottile (Holcus exiguus Forsk.) Ann. Tecn. Agr. 1: 143-152. O.1928 (Rec'd Jl.1929) no.2.

Ann. Tecn. Agr. (cont.)

Manaresi, A.
Alcune osservazioni intorno ai "soggetti" più usati in Italia per l'innesto dei susini. Ann. Tecn. Agr. 1: 88-110. Jl. 1928 (Rec'd Jl.1929) no. 1.

Manaresi, A.
Ancora intorno ad un nuovo processo per ottenere piantine di pesco innestate. Ann. Tech. Agr. 1: 432-448. fold.table. O.1928 (Rec'd Jl.1929) no.4.

Petri, L.
L'ionizzazione dell' aria e l'accrescimento delle piante. Ann. Tecn. Agr. 1: 111-119. Jl. 1928 (Rec'd Jl.1929) no.1.

Savastano, L.
Nuove direttive arboree. Ann. Tecn.Agr. 1: 216-223. O. 1928 (Rec'd Jl.1929) no.2.

Vivarelli, L.
Studio biometrico su l'olivo d'Andria o di S.Agostino. Ann. Tecn. Agr. 1: 461-468. pl. v-vi. O.1928 (Rec'd Jl.1929) no.4.

Vivoli, G.
Gli anticrittogamici contro la carie ed il carbone dei cereali dal punto di vista della loro influenza sul potere germinativo delle cariossidi. Ann. Tecn. Agr. 1: 469-493. O.1928 (Rec'd Jl. 1929) no.4.

Ann. Rep. State Hort. Soc. Michigan. (Lansing)

Cardinell, H. A.
Is spray service advice worth while? Ann. Rep. State Hort. Soc. Michigan. 58(1928): 52-55. 1929.

Cardinell, H. A.
Using dust to aid application timing. Ann. Rep. State Hort. Soc. Michigan. 58(1928): 29-33. 1929.

Ann. Rep. State Hort. Soc. Michigan. (cont.)
Dutton, W. C.
Reducing spray injury on apple foriage.
Ann. Rep. State Hort. Soc. Michigan. 59(1928): 47-51. 1929.

Arb. Biol. Reichanst. Land- u. Forstw. (Berlin)
Zillig, H. & Niemeyer, L.
Beiträge zur biologie und bekämpfung des roten brenners (Pseudopeziza tracheiphila Müller-Thurgau) des weinstocks. Arb. Biol. Reichanst. Land- u. Forstw. 17: 1-65. pl. i-iv. Ap.1929. no. 1.

Arch. Inst. Biol. Difesa Agr. São Paulo.
Pacheco, G.
Doeça bacteriana da batata. Arch. Inst. Biol. Difesa Agr. São Paulo. 1: 69-82. pl.15-17. 1928 (Rec'd Je.1929)
Soft rot of potato due to Erwinia solanisapra.

Rahm, G.
Algunas nematodes parasitas e semi-parasitas das plantas culturaes do Brasil. Arch. Inst. Biol. Difesa Agr. São Paula. 1: 239-252. 1928. (Rec'd Je.1929)

Beitr. Biol. Pflanz. Cohn. (Berlin)
Lambrecht, E.
Beitrag zur kenntnis der osmotischen zustandsgrössen einiger pflanzen des flachlandes. Beitr. Biol. Pflanz. Cohn. 17: 87-136. diagrs. 1929. no. 1.

Nahmmacher, E.
Ueber die brauchbarkeit künstlicher immunsera für die seradiagnostik in der botanischen verwandtschaftsforschung. Beitr. Biol. Pflanz. Cohn. 17: 1-44. tables. 1929. no.1.

Niethammer, A.
Ueber die verschiedenen möglichkeiten der beeinflussung des wachstums von Aspergillus niger durch abgestufte mengen von zink- und mangansalzen. Beitr. Biol. Pflanz. Cohn. 17: 51-71. 1929. no.1.

Beitr. Biol. Pflanz. Cohn. (cont.)

Schürhoff, P.N.
Ueber die systematische stellung der Pittosporaceae. Beitr. Biol. Pflanz. Cohn. 17: 73-86. pl.i. 1929. no.1.

Susski, E. P.
Die komplementäre chromatische adaptation bei Oscillatoria engelmanniana Gaiduk. Beitr. Biol. Pflanz Cohn. 17: 45-50. 1929. no.1.

Ber. Deut.Bot. Ges. (Berlin)

Budde, H.
Die waldgeschichte des sauerlandes auf grund von pollenanalytischen untersuchungen seiner moore. Ber. Deut. Bot. Ges. 47: 327-337. illus. Je.27, 1929. no.5.

Hoffmann, K.
Cytologische studien bei den orchidaceen. Ber. Deut. Bot. Ges. 47: 321-326. Je.27, 1929. no.5.

Fischer, E.
Eine phalloidee aus Palästina; Phallus roseus Delile und die gattung Itajahya Alfr. Möller. Ber.Deut. Bot. Ges. 47: 288-295. illus. Je.27, 1929. no.5.

Krasnosel'sky-Maximov, T.A.
Zur methodik der bestimmung von assimilation und bewegungen der spaltöffnungen in natürlichen verhältnissen. Ber. Deut. Bot. Ges. 47: 313-320. illus. Je.27, 1929. no.5.

Sukatschew, V.N.
Ueber einige grundbegriffe in der phytosoziologie Ber. Deut. Bot. Ges. 47: 296-312. Je.27, 1929. no.5.

Walter, H.
Die osmotischen werte und die kälteschäden unserer wintergrünen pflanzen während der winterperiode 1929. Ber. Deut. Bot. Ges. 47: 338-348. illus. Je.27,1929. no.5.

Biochem. Journ. (London)

Christian, B.C. & Hilditch, T. P.
Seed fats of the Umbelliferae. II.The seed fats of some cultivated species. Biochem. Journ. 23: 327-338. 1929. no.3.

Haas, P. & Russell-Wells, B.
On carrageen (Chrondrus crispus) IV. The hydrolysis of carrageen mucilage. Biochem. Journ. 23: 425-429. 1929. no.3.

Pugh, C.E.M.
The activation of certain oxidase preparations. Biochem. Journ. 23: 456-471. 1929. no.3.

Thaysen, A. C., Bakes, W.E. & Green, B.M.
On the nature of the carbohydrates found in the Jerusalem artichoke. Biochem. Journ. 23: 444-455. 1929. no.3.

Biochem. Zeitschr. (Berlin)

Bodnár, J. & Bernauer, C.
Die umwandlung des acetaldehyds in höheren pflanzen. Biochem. Zeitschr. 209: 458-470. Je.24, 1929. no.4/6.

Niethammer,A.
Fortlaufende untersuchungen über den chemismus der angiospermensamen und die äusseren natürlichen wie künstlichen keimungsfaktoren. IV. Untersuchungen über die farbstoff- und salzpermeabilität von frucht- und samenschalen. Biochem. Zeitschr. 209: 263-275. Je.24, 1929. no.4/6.

Bol. Agr. y Cam. Guatemala.

Bardales, M. A.
El medio y su influencia en el contro de las enfermedades de las plantas cultivadas. Bol. Agr. y Cam. Guatemala. 8: 135-140. Ap.1929(Rec'd Jl.) no.4.

Bardales, M. A.
Notas sobre el cultivo del aguacate. Bol. Agr. y Cam. Guatemala. 8: 149-153. Ap.1929. (Rec'd Jl.) no.4.

Bol. Agr. Com. e Industr. Bahia. (Bahia, Brazil)
O il centenario do cafeeiro no Brasil. Bol. Agr. Com. e Industr. Bahia. 1927: 97-125. 1928. no.1/12.

Athayde Pereira, G.de.
O café e historico da sua cultura na Bahia. Bol. Agr. Com. e Industr. Bahia. 1927: 81-93. 1928. no.1/12.

Ramos, A.
O bi-centenario do café e a civilisação Brasileira. Bol. Agr. Com. e Industr. Bahia. 1927: 76-81. 1928. no.1/12.

Rangel, E.
Os inimigos vegetaes do cafeeiro. Bol. Agr. Com. e Industr. Bahia. 1927: 125-129. 1928. no.1/12

Bol. Camara Com. Caracas. (Caracas,Venezuela)
Pittier, H.
Acerca de dos contribuciones sobre el cultivo del cafe. Bol. Camara Caracas. 182. 14 p. 1929.

Bol. Min.Agr. Industr. e Comm. Brazil. (Rio de Janeiro)
Brazil. Serviço de inspecção e fomento agricolas.
A exploração do mate. Bol. Min. Agr. Industr. e Comm. Brazil. 18(1): 439-495. illus., fold.map. Ap.1929 (Rec'd Jl.)

Bruck, E.G.& Deslandes, J.
Syntheses das inspecções de vigilancia sanitaria vegetal pelo Municipio de Pelotas, R.G. do Sul. Bol. Min. Agr. Industr. e Comm. Brazil. 18(1): 507-522. Ap.1929 (Rec'd Jl.) no.4.

Bot. Mag. Tokyo.
Honda, M.
Nuntia ad floram Japoniae III. Bot. Mag.Tokyo. 43: 291-294. Je.1929. no.510.

Kôketsu, R. & Tsuruta, S.
Anwendung der "pulvermethode" für vergleichende bestimmungen der transpirationsgrösse. Bot. Mag. Tokyo. 43: 253-266. My.1929. no.509.

Bot. Mag. Tokyo. (cont.)

Masamune, G.
On new or noteworthy plants from the island of Yakusima I. Bot. Mag. Tokyo. 43: 249-252. My. 1929. no.509.
Latin diagnoses, with brief notes in English.

Tamiya, H. & Morita, S.
Bibliographie von Aspergillus. Fortsetzung. III-IV. Bot. Mag. Tokyo. 43: 237-249, 281-291. My., Je.1929. no.509-510.

Tokuda, S.
The action of nitrates and ammonium salts on some plants. II. The action of nitrates and ammonium salts upon the germination. Bot. Mag. Tokyo. 43: 295-305. illus. Je.1929. no.510.
Japanese with English summary: p.303-304.

Bot. Arch. (Leipzig)

Krohn, H.
Wertbestimmungen des kartoffelpflanzgutes durch neue keimprüfungsmethoden und analytische untersuchungen. Bot. Arch. 25: 413-471. illus. Je.1929. no.3/4.

Rentschler, H.
Beiträge zur kenntnis der wachstumskrümmungen von blattpolstern und stengelknoten. Bot. Arch. 25: 472-509. illus. Je.1929. no.3/4.

Thoenes, H.
Morphologie und anatomie von Cynosurus cristatus und die erscheinungen der viviparie bei ihm. Bot. Arch. 25: 284-346. pl.3-4. (fold.) Je.1929. no.3/4.

Voss, & Ziegenspeck, H.
Zur biocönose des mooswaldes. Bot. Arch. 25: 347-412. illus. Je.1929. no.3/4.

Wetzel, G.
Chromosomenstudien bei den Fagales. Bot. Arch. 25: 257-283. pl.2 (fold.) Je.1929. no.3/4.

V.11, no.16, p.12.

Bull. Agr. Congo Belge. (Bruxelles)

Eala (Belgian Congo) Jardin botanique d'Eala Rapports. Bull. Agr. Congo Belge. 19: 577-602. illus. D.1928 (Rec'd Jl.1929) no.4.

Rapport du directeur du Jardin botanique, A. Corbisier-Baland; Jardin d'essais de Bolombo, E. Wirion; Station experimentale de Bolombo, Huwart; Jardin d'essais, Jean Lejeune.

Ghesquiere, J.

Principales maladies du coton au Kasai et au Sankuru. Bull. Agr. Congo Belge. 19: 552-561. illus. D.1928 (Rec'd Jl.1929) no.4.

Robyns, W.

Plantes congolaises pour engrais verts et pour couverture. Bull. Agr. Congo Belge. 19: 483-511. illus. D.1928 (Rec'd Jl.1929) no.4.

Staner, P.

Rapport mycologique sur le campagne cotonniere de 1927 au Maniema et au Kivu. Bull. Agr. Congo Belge. 19: 528-536. D.1928 (Rec'd Jl.1929) no.4.

Bull. Bernice Pauahi Bishop Mus. (Honolulu)

Copeland, E.B.

Ferns of Fiji. Bull. Bernice Pauahi Bishop Mus. no.59. 105 p. pl.i-v. 1929.

Bull. Dept. Agr. United Prov. Agra & Oudh. (Allahabad)

Dey, P.K.

A note on the control of sugar-cane mosaic in the eastern districts. Bull. Dept. Agr. United Prov. Agra & Oudh. no.46. 7 p. 4 pl. (2 col.) 1929.

Bull. Min. Agr. Egypt. Techn. & Sci. Serv.

Brown, C.H.

The effect of locality on the halo length of various strains of Egyptian cotton. Bull. Min. Agr. Egypt Techn. & Sci. Serv. no.84. 3 p. tables. 1929.

Bull. Soc. Dendrol. France. (Paris)

Dode, L. A.
Notes dendrologiques. Bull. Soc. Dendrol. France. 70: 67-68. My.15, 1929. no.1.
Pterocarya tonkinensis, n.sp.

Hickel, R.
Les sapins de l'Himalaya. Bull. Soc. Dendrol. France. 70: 37-38. My.15,1929. no.1.

Issler, E.
Le Quercus apennina Lam. et le Populus canescens des auteurs Européens et celui de Smith. Bull. Soc. Dendrol. France. 70: 39-46. illus. My.15, 1929. no.1.

Sennen, E. C.
Phillyrea L. Bull. Soc. Dendrol. France. 70: 47-66. illus. My.15,1929. no.1.

Butler Univ. Bot. Stud. Paper. (Indianapolis)

Friesner, R. C.
Key to genera of ferns and fern allies. Butler Univ. Bot. Stud. Paper. no.4/5. p.55-60. Je. 1929. no.4/5.

Phillips, A.
Life-forms and biological spectra of the flora of Bacon's Swamp, Indiana. Butler Univ. Bot. Stud. Paper. no.4/5. p.41-53. illus. Je.1929.

Calif. Citrogr. (Los Angeles)

Jensen, C.A. & Foote, F. J.
Some studies on fertilization of lemon groves, Limoneira ranch, Santa Paula, Cal. IV. (concl.) Calif. Citrogr. 14: 404, 433. Ag.1929. no.10.

Shamel, A. D.
Cooperative citrus bud selection. Calif. Citrogr. 14: 405. illus. Ag.1929. no.10.

Calif. Gard. (San Diego)

Fox, L. W.
Horticultural experiences in Hawaii and the South Seas. Calif. Gard. 20(13): 1-4, 12. Jl.1929. no.13.

V.11, no.16, p.14.

La Cellule. (Lierre, Belgium)
Showalter, A.M.
Studies in the cytology of the Anacrogynae. V. Hybrid fertilization in Riccardia pinguis. La Cellule. 38: 293-349. illus.,pl.i-v. (fold.) 1928 (Rec'd Jl.1929) no.3.

Centralbl. Bakt. Abt.II. (Jena)
Köhler, E.
Die resistenzfrage im lichte neuerer forschungsergebnisse. Centralbl. Bakt.Abt.II. 78: 222-241. Jl.6, 1929. no.8/15.

Wille, F.
Puffergrösse und befall von pflanzenkrankheiten. Centralb. Bakt. Abt.II. 78: 244-245. Jl.6, 1929. no.8/15.

Zinkernagel, H.
Untersuchungen über nektarhefen. Centralbl. Bakt. Abt.II. 78: 191-222. illus. Jl.6, 1929. no.8/15.

Centralbl. Ges. Forstw. (Wien)
Hampel, R.
Untersuchungen über die schaftform der waldbäume. Centralbl. Ges. Forstw. 55: 167-189. diagrs. 1929. no.5/6.

Schmied,
Ueber die österreichische schwarzkiefer. Centralbl. Ges. Forstw. 55: 189-199. 1929. no.5/6.

Centralbl. Zuckerind. (Magdeburg)
Brassler, K.
Ein vierter errenger des wurzelbrandes. Centralbl. Zuckerind. 37: 803-804. illus. Jl.6, 1929. no.27.
Pythium mamillatum Meurs.

Rösner, H.
Einflüsse von rübenkrankheiten auf die verfärbung der säfte. Centralbl. Zuckering. 37: 802-803. Jl.6, 1929. no.27.

V.11, no.16, p.15.

Circ. Res. Dept. United Fruit Co. (Boston)
Johnston, J. R.
The Panama disease or banana wilt. Circ. Res. Dept. United Fruit Co. no.2. 8 p. illus. N.1928 (Rec'd Jl.1929)

Il Coltivatore. (Casale Monferrato)
Tamaro, D.
Note di frutticoltura: Come gli olivo colpiti dal gelo invernale riprendono la vegetazione. Il Coltiv. 75(2): 6-9. illus. Jl.10, 1929. no.19.

Compt. Rend. Acad. Agr. France. (Paris)
Lesage, P.
Suite des cultures pour la thermobiologie des plantes et l'hérédité d'un caractère acquis. Compt. Rend.Acad. Agr. France. 15: 777-781. Jl.3, 1929. no.21.

Schribaux, E.
Sur les dangers des traitements des blés a l'aide des solutions cupriques. Compt. Rend. Acad. Agr. France. 15: 770-777. Jl.1929. no.21.
"Les dangers du sulfatage et du trempage des semences" by Jaguenaud, p.771-777.

Compt. Rend.Acad. Sci. Paris.
Guérin, P.
Les papilionacés-lotées à acide cyanhydrique. Compt. Rend.Acad. Sci. Paris. 189: 115-116. Jl.18, 1929. no.2.

Lutz, L. C.
Sur les ferments solubles sécrétés par les Champignons hyménomycètes. Comparaison du pouvoir antioxygène du tanin et des constituants phénologiques des essences. Compt. Rend. Acad. Sci. Paris. 189: 134-135. Jl.17, 1929. no.3.

Compt. Rend.Soc. Biol. Paris.
Beauverie, J. & Cornet, P.
Action des vapeurs d'éther sur la structure Cellulaire dans les feuilles et les bourgeons d' Elodea canadensis. Compt. Rend. Soc. Biol. Paris. 101: 814-815. Jl.5, 1929. no.23.

Compt. Rend.Soc. Biol. Paris. (cont.)

Bensaude, M.

Note sur le Phytophthora, parasite des Citrus au Portugal. Compt. Rend. Soc. Biol. Paris. 101: 982-984. Jl.17, 1929. no.24.

Cluzet, J. & Kofman, T.

Action des rayons ultraviolets, seuls ou associés aux rayons X, sur la germination. Compt. Rend. Soc. Biol. Paris. 101: 820-821. Jl.5, 1929. no.23.

Mangenot, G.

Action de la caféine sur la cellule des spirogyres. Compt. Rend.Soc. Biol. Paris. 101: 746-747. Jl.5, 1929. no.23.

Py, G.

Sur l'évolution du chondriome pendant la formation des grains de pollen d'Helleborus foetidus. Compt. Rend. Soc. Biol. Paris. 101: 919-921. illus. Jl.17, 1929. no.24.

Contr. Gray Herb. (Boston)

Perry, L.M.

A tentative revision of Alchemilla sect. lachemilla. Contr. Gray Herb. 84: 3-57. 1929.

Deut. Landw. Presse. (Berlin)

Baschny, R. E.

Winterharte bohnen. Deut. Landw. Presse 56: 401-402. illus. Jl.13,1929. no.28.

Fruwirth, C.

Die pflanzenzüchtung auf der D.L.G.-austellung zu München. Deut. Landw. Presse 56:399. Jl.13, 1929. no.28.

Ergebnisse Biol. (Berlin)

Gradmann, H.

Das winden und ranken der pflanzen. Ergebnisse Biol. 5: 166-218. illus. 1929.

Ergebnisse Biol. (cont.)

Schaede, R.
Die kolloidchemie des pflanzlichen zellkernes in der ruhe und in der teilung. Ergebnisse Biol. 5: 1-28. 1929.

Seybold, A.
Die pflanzliche transpiration. Ergebnisse Biol. 5: 29-165. illus. 1929.

Facts about Sugar. (N.Y.)

Krishnamurthi Rao, K.
Factors influencing the growth and sugar contents of cane. Facts about Sugar. 24: 690-691. Jl.20, 1929. no.29.

Flor. Exch. (N.Y.)

Pyle, R.
The botanical gardens of America. Flor. Exch. 71: 37. Jl.20,1929. no.12.
Report of chairman, Botanical gardens and arboreta committee to the American association of nurserymen.

Floralia. (Assen, Netherlands)

Schenk, P.J.
Aaltjesziekte hydrangea's. Floralia. 50: 453. illus. Jl.12, 1929. no.28.
Tylenchus devastatrix.

Schenk, P.J.
De aardappelwratziekte. Floralia. 50: 452-453. illus. Jl.12, 1929. no.28.

Flow. Grow. (Calcium, N.Y.)

Pellett, F. C.
When flowers yield nectar. Flow. Grow. 16: 383-384. illus. Ag.1929. no.8.

Flugbl. Biol. Reichsanst. Land- u. Forstw. (Berlin)

Wollenweber, H. W.
Das ulmensterben und sein erreger (Graphium ulmi Schwarz) Flugbl. Biol. Reichsanst. Land- u. Forstw. no.94. 4 p. illus. Je.1929.

V.11, no.16, p. 18.

Fruit World Australasia. (Melbourne)

Orchard and vineyard pests and diseases. Control methods described and illustrated. Fruit world Australasia 30(Ann.Ja.1929): 35-53. illus. Ja.1929 (Rec'd Jl.)

Gard. Chron. (London)

Lt.-Col. George Henderson, M.D. [obituary] Gard. Chron. III,86: 60. Jl.20,1929. no.2221.

Alcock, N.L.

A root disease of the strawberry. Gard. Chron. III,86: 14-15. illus. Jl.6, 1929. no.2219.

Phytophthora.

Auton, W.

Some gardening fallacies, ancient and modern. Gard. Chron. III,86: 50-52. Jl.20, 1929. no.2221.

Brown, N. E.

Mesembryanthemem (cont.) Gard. Chron. III, 86: 32-34. illus. Jl.13, 1929. no.2220.

Monilaria,Schwant.(M.moniliformis, M.pisiformis, M.chrysoleuca)

Darnell, A. W.

The genus Primula (cont.) Gard. Chron. III, 86: 10, 34, 49. Jl.6,13,20, 1929. no.2219-2221.

Friend, H.

Problems of plant life. III-IV Gard. Chron. III, 86: 30, 50, Jl.13,20, 1929. no.2220, 2221.

III. Studies in fertilization; IV.Concerning Mendelism.

Grove, A.

The diseases of lilies. Gard. Chron. III, 86: 10. Jl.6, 1929. no.2219.

Osborn, A.

Paulownia fargesii,Franchet. Gard. Chron. III, 86: 46. illus. Jl.20,1929. no.2221.

Gard. Chron. (cont.)

Rendle, A. B.
Kniphofia arussii. Gard. Chron. III, 86: 11. illus. Jl.6, 1929. no.2219.

Ward, F.K.
Mr. F. Kingdon Ward's tanth expedition in Asia (cont.) Gard. Chron. III, 86: 30-32. illus. Jl.13, 1929. no.2220.

Woodward, R.C.
Oak mildew and its control in forest nurseries. Gard. Chron. III, 86: 52-53. illus. Jl.20, 1929. no.2221.

Gard. Illus. (London)

Lavender. Its cultivation for marketing and distilling. Gard. Illus. 101: 464-465. Jl.6, 1929. no.2626.

Puddle, F.C.
Some Asiatic primulas of comparatively easy cultivation. Gard. Illus. 51: 484. Jl.13, 1929. no.2627.

Gladiolus Rev. (Goshen, Ind.)

Gersdorff, C.E.F.
Gladiolus originators, Richard Diener. Gladiolus Rev. 6: 285-286. illus., port. Ag. 1929. no. 8.

Klein, I.
Hybridization. Gladiolus Rev. 6: 296-298. Ag.1929. no.8.

Pridham, A.M.S.
The gladiolus. Gladiolus Rev. 6: 289-295, 311-312. illus. Ag.1929. no.8.

Hawaiian Plant. Rec. (Honolulu)

McGeorge, W.T.
Soil acidity: Replacable hydrogen and replacement capacity. Hawaiian Plant. Rec. 33: 346-364. diagrs. Jl.1929. no.3.

Mangelsdorf, A.J. & Lennox, C. G.
Self-sterility in sugar cane. Hawaiian Plant. Rec. 33: 288-290. Jl.1929. no.3.

Hawaiian Plant. Rec. (cont.)

Weller, D.M.

Accumulations of starch in the stalks of Natal Uba cane grown on acid soil. Hawaiian Plant.Rec. 33: 294-299. illus. Jl.1929. no.3.

House & Gard. (Greenwich, Conn.)

Wayman, R.

The beardless irises of today. House & Gard. 56(2): 80-81, 134, 140. illus. Ag.1929.

Wilson, E.H.

Horsechestnuts for beauty of bloom. House and Gard. 56(2): 76-77,136. illus. Ag.1929.

Illus. Landw. Zeit. (Berlin)

Reichert,

Das geplante pflanzenzuchtgesetz. Illus. Landw. Zeit. 49: 307-308. Jl.5, 1929. no.27

Catechism on aims and advantages of improving potato varieties.

Indian For. (Dehra Dun)

Parker, R. N.

Two anonaceous trees from Burma. Indian For. 55: 375-376. pl.15. Jl.1929. no. 7.

Polyalthia crassa, Sageraea bracteolata.

Indische Cult. (Soerbaja)

Kamerling, Z.

Tropische orchideen. Indische Cult. 14: 499-504. illus. Je.16,1929. no.12.

Jahrb. Wiss. Bot. (Leipzig)

Buchinger, A.

Der einfluss hoher anfangstemperatur auf die keimung, dargestellt an Trifolium pratense. Jahrb.Wiss. Bot. 71: 149-153. 1929. no.1.

Johansson, N.

Kritische bemerkungen ze einigen assimilationskurven und zur frage der "zeitfaktorwirkung" des lichtes bei der kohlensäureassimilation. Jahrb. Wiss. Bot. 71: 154-160. illus. 1929. no.1.

Jahrb. Wiss. Bot. (cont.)

Lange, S.
Ueber den einfluss weissen und roten lichtes auf die entwicklung des mesokotyls bei haferkeimlingen. Jahrb. Wiss. Bot. 71: 1-25. illus. 1929. no.1.

Montfort, C.
Studien zur vergleichenden ökologie der assimilation. I-II. Jahrb. Wiss. Bot. 71: 52-105, 106-148. illus. 1929. no.1.

Tobler, F.
Zur kenntnis der wirkung des kaliums auf den bau der bastfaser. Jahrb. Wiss. Bot. 71: 26-51. illus. 1929. no.1.

Journ. Agr. Prat. (Paris)

Schribaux, E.
Deux blés pour le nord de l'Afrique. Journ. Agr. Prat. n.s.52: 57-58. Jl.20,1929. no.29.

Journ. Agr. Res. (Wash.,D.C.)

Drechsler, C.
Occurrence of the zonate-eyespot fungus Helminthosporium giganteum on some additional grasses. Journ. Agr. Res. 39: 129-135. pl.1-6. (on 3 l.) Jl.15, 1929. (Rec'd Jl.26) no.2.

Swingle, C.F.
A physiological study of rooting and callusing in apple and willow. Journ. Agr. Res. 39: 81-128. illus. Jl.15, 1929 (Rec'd Jl.26) no.2.

Wahlenberg, W. G.
Modification of western yellow pine root systems by fertilizing the soil at different depths in the nursery. Journ. Agr. Res. 39: 137-146. illus. Jl.15,1929 (Rec'd Jl.26) no.2.

Journ. Amer. Soc. Agron. (Geneva, N.Y.)

Bartholomew, R.P. & Janssen, G.
Luxury consumption of potassium by plants and its significance. Journ. Amer. Soc. Agron. 21: 751-765. illus. Jl.1929. no.7.

Journ. Amer. Soc. Agron. (cont.)

Florell, V. H.
Bulked-population method of handling cereal hybrids. Journ. Amer. Soc. Agron. 21: 718-724. Jl. 1929. no.7.

Florell, V. H.
Effect of date of seeding on yield, lodging, maturity, and nitrogen content in cereal varietal experiments. Journ. Amer. Soc. Agron. 21: 725-731. illus. Jl.1929. no.7.

Fonder, J. F.
Variations in potassium content of alfalfa due to stage of growth and soil type and the relationship of potassium and calcium in plants grown upon different soil types. Journ. Amer. Soc. Agron. 21: 732-750. illus. Jl.1929. no.7.

Griffee, F. & Ligon, L.L.
Occurrence of "lintless" cotton plants and the inheritance of the character "lintless". Journ. Amer. Soc. Agron. 21: 711-717. Jl.1929. no.7.

Stewart, G.
Comparative acre yields of sugar beet varieties in the United States and Canada during 1928. Journ. Amer. Soc. Agron. 21: 774-791. Jl.1929. no. 7.

Journ. Dept. Agr. Kyushu Imp. Univ. (Fukuoka, Japan)

Morinaga, T.
Interspecific hybridization in Brassica. III. The cytology of F_1 hybrid of B.cernua and B.napella. Journ. Dept. Agr. Kyushu Imp. Univ. 2: 199-206. illus. pl.6-7. Je.25, 1929. no.7.

Journ. Dept. Agr. So. Australia. (Adelaide)

Some notes on the poisoning of sheep by sour-sobs (Oxalis cernua). Journ. Dept. Agr. So.Australia. 32: 918-919. Je.15, 1929. no.11.

Journ. Dept. Agr. Victoria. (Melbourne)

Forster, H.C. & Vasey, A.J.
The relation between flag smut infection and manurial treatment. Journ. Dept. Agr. Victoria. 27: 321-330. diagrs. Je.1929. no.6.

Journ. For. (Wash., D.C.)
Rees, L. W.
Growth studies in forest trees. Picea rubra Link. Journ. For. 27: 384-403. pl. Ap. 1929 (Rec'd Jl.) no.4.

Journ. Linn. Soc. Bot. (London)
Good, R. d'O.
The taxonomy and geography of the Sino-Himalayan genus Cremanthodium Benth. Journ. Linn. Soc. Bot. 48: 259-316. pl.9-13. Je.14, 1929. no.322.

Prankerd, T.L.
Studies in the geotropism of Pteridophyta IV. Journ. Linn. Soc. Bot. 48: 317-336. pl.14-15. Je.14, 1929. no.322.
iv. On specificity in graviperception.

Journ. Nat. Inst. Agr. Bot. (Cambridge)
Hawkes, F. C.
Varieties of cereals for spring sowing. Journ. Nat. Inst. Agr. Bot. 2: 132-141. 1929. no.2.

Hawkes, F. C.
Varieties of cereals for autumn sowing. Journ. Vat. Inst. Agr. Bot. 2: 124-131. 1929. no.2.

Journ. N.Y. Bot.Gard.
Gleason, H. A.
A collection of plants from Mount Duida. Journ. N.Y. Bot. Gard. 30: 166-168. Jl.1929. no.355.

Hollick, A.
Botany in relation to geology. Journ. N.Y. Bot. Gard. 30: 162-166. Jl.1929. no.355.

Small, J.K.
The coconut-palm - Cocos nucifera. Journ. N.Y. Bot. Gard. 30: 153-161. illus. Jl.1929. no.355.

Journ. Washington Acad. Sci.
Blake, S. F.
New Asteraceae from the United States, Mexico, and Honduras. Journ. Washington Acad. Sci. 19: 268-281. illus. Jl.19, 1929. no.13.

Leafl. Dept. Agr. Irish Free State. (Dublin)
Some fungus diseases of fruit trees. Leafl. Dept. Agr. Irish Free State. no.84. 12 p. illus. Mr.1929 (Rec'd Jl.)

Malayan For. Rec.
Watson, J. G.
Mangrove forests of the Malayan Peninsula. Malayan For. Rec. no.6. 275 p. pls. map. [1928] (Rec'd Jl.1929)

Meld. Norges Landbruks. (Oslo)
Øverby, G.
Morfologiske sortskarakterer hos potet. Bidrag til beskrivelse av 98 potetsorter. Meld. Norges Landbruks. 9: 429-527. illus. 1929. no.8/9.

Mysore Econ. Journ. (Bangalore, Mysore State)
Harrison, B.
Danthonia: a splendid grass. Mysore Econ. Journ. 15: 225. Je.1929. no.6.

Nachrichtenbl. Deut. Pflanzenschutzd. (Berlin)
Schlumberger, O.
Saatenanerkennung und pflanzenkrankheiten im jahre 1928. Nachrichtenbl. Deut. Pflanzenschutzd. 9: 59-60. Jl. 1929. no. 7.

Nat. Geogr. Mag.
Swingle, C. F.
Across Madagascar by boat, auto, railroad, and filanzana. Nat. Geogr. Mag. 56: 179-211. illus. Ag. 1929. no.2.

Nature. (London)
Prof. R.J. Harvey-Gibson. [obituary] Nature. 124: 64-65. Jl.13, 1929. no.3115.

Darlington, C. D.
Polyploids and polyploidy. Nature. 124: 62-64, 98-100. illus. Jl.13, 20, 1929. no.3115.

Naturforsch. (Berlin)

Schellhas, P.

Ein botanisches problem gelöst? Naturforsch. 6: 145-146. Jl.1929. no.4.

Wild form of maize apparently found in Mexico in 18th century, according to the "Idea de una nueva historia general de la America Septentrional" of the Chevalier Lorenzo Boturini Benaduci.

Schieferdecker, K.

Wie Collybia velutipes Curt. den winter 1928/29 überstand. Naturforsch. 6: 144-145. diagr. Jl. 1929. no.4.

Naturwissenschaften. (Berlin)

Passarge, S.

Botanische und geographische pflanzenvereine. Naturwissenschaften. 17: 565-566. Jl.12, 1929. no. 28.

Nederl. Kruidk. Arch. (Amsterdam)

Halophyten onderzoek eemgebied. Nederl. Kruidk. Arch. 1929: 81-94. Je.30, 1929. no.1.

Mededeeling van de Zuiderzeecommissie No. 5.

Broeksmit, Th.

Een en ander over het geslacht Madotheca. Nederl. Kruidk. Arch. 1929: 97-102. illus. Je.30, 1929. no.1.

Jansen, P. & Wachter, W.H.

Alopecurus. Their Floristische aanteekekeningen, xxiv. Nederl. Kruidk. Arch. 1929: 58-80. illus. 1929. no. 1.

Schipper, W. W.

Beschrijving van inheemse intermediaire Rubus-bastaarden V. Nederl. Kruidk. Arch. 1929: 95-96. Je.30, 1929. no. 1.

Soest, J.L. van

Het geslacht Hieracium in Nederland IV. Nederl. Kruidk. Arch. 1929: 103-141. illus. Je.30,1929. no. 1.

Vries, D.M.de.

Het plantendek van de Krimpenerwaard III. Over de samenstelling van het crempensch molinietum coeruleae en agrostidetum caninae, een phytostatische bijdrage tot de associatie-wetenschap. Nederl. Kruidk. Arch. 1929: 145-403. illus. Jl.15, 1929. no.2.

New Flora & Silva. (London)

Bean, W. J.
The planting of roads. New Flora & Silva. 1: 247-252. Jl.1929. no.4.

Cooper, R. E.
Plant collecting in Bhutan. New Flora & Silva. 1: 232-242. illus. Jl.1929. no.4.

Cox, E.H.M.
Notes on dwarf rhododendrons. II. New Flora & Silva. 1: 271-277. illus. Jl.1929. no.4.

Greatorex, H. A.
Crocus from north-west Persia. New Flora & Silva. 1: 254-255. Jl.1929. no.4.

Grove, A.
Uncommon bulbs. Some arguments on their value and peculiarities. New Flora & Silva. 1: 219-224. illus. Jl. 1929. no. 4.

Kelway, J.
Peonies. New Flora & Silva. 1: 265-270. illus. Jl.1929. no.4.

Stern, F. C.
Iris species. New Flora & Silva. 1: 243-246. Jl.1929. no.4.

New Phytol. (London)

Brooks, F.T. & Brenchley, G.H.
Injection experiments on plum trees in relation to Stereum purpureum and silver-leaf disease. New Phytol. 28: 218-224. Jl.1, 1929. no.3.

Fritsch, F. E.
The encrusting algal communities of certain fast-flowing streams. New Phytol. 28: 165-196. illus. pl.v. Jl.1, 1929. no.3.

Priestley, J.H.
The biology of the living chloroplast. A critical abstract of Professor Lubimenko's review of recent Russian work. New Phytol. 28: 197-217. Jl.1, 1929. no.3.

New Phytol. (cont.)
Saunders, E. R.
Illustrations of carpel polymorphism. IV.
New Phytol. 28: 225-258. illus. Jl.1, 1929.
no.3.

New Zeal. Journ. Agr. (Wellington)
Allan, H. H.
The economic significance of systematic botany.
New Zeal. Journ. Agr. 38: 399-403. Je.20, 1929.
no. 6.

Rice, W.H.
Losses of young strawberry plants. Investigation in Auckland suburban district. New Zeal. Journ. Agr. 38: 391-393. Je.20, 1929. no.6.

Norsk Landmannsbl. (Oslo)
Jørstad, I.
Potetkreften i Norge. Norsk. Landmannsbl.
48: 403-405. Jl.12, 1929. no.28.
Potato canker in Norway.
"Fra Jordbrukernes Kongres i Finnland".

North West. Nat. (Arbroath, Scotland)
Wilson, A.
Notes on the flora of Carnedd Llewelyn. North West. Nat. 4: 53-56. Je.1929. no.2.

Nuovi Ann. Agr. Min. Econ. Naz. Italy.
Voglino, P.
Il servizio di controllo fitopatologico sulle castagne destinate agli Stati Uniti d'America nella campagna 1928 esercitato dal R. Osservatorio di fitopatologia di Torino. Nuovi Ann. Agr. Min. Econ. Naz. Italy. 8: 319-344. D.31, 1928 (Rec'd Ag. 1929) no.3/4.

Ochrana Rostlin. (Prague)
Blattný, C.
Zpracování dotazníkove akce o rozšíření puklice švestkové (Lecanium corni) v Čechách roku 1926.
Ochrana Rostlin. 9: 33-40. map. Je.1929. no.2.
Inquiry into the bursting open of plums (due to Lecanium corni?) in Bohemia in 1926.

Ochrana Rostlin. (cont.)

Kříž, K.

Dnešní stav výskytu rakoviny bramborů v Českoslov. Republice. Ochrana Rostlin. 9: 32-33. Je.1929. no.2.

Present status of potato wart in the Czechoslovakian Republic.

Neuwirth, F.

Ústav pro choroby rostlin v Bonnu n. Rýnem. Ochrana Rostlin. 9: 41-44. illus. Je.1929. no.2.

Phytopathological institute in Bonn.

Novák, S.

K otázce infekce pšenice výtrusy Tilletia tritici různého stáří. Ochrana Rostlin. 9: 30-32. Je.1929. no.2.

Inquiry on infection of wheat by spores of Tilletia tritici.

Smolák, J.

Botrytis a Monilia na révě vinné. Ochrana Rostlin. 9: 25-29. illus. Je.1929. no.2.

Botrytis cinerea and Monilia fructigena of the grape.

Pacific Rural Press. (San Francisco)

Swingle, C. F.

Root stock practices and tendencies in Europe. Pacific Rural Press. 118: 32-33. illus. Jl.13, 1929. no.2.

Pamph. Canada Dept. Agr.

Drayton, F. L.

The yellow disease of hyacinths. Pseudomonas hyacinthi (Wakker) E.F.S. Pamph. Canada Dept. Agr. n.s., no.104. 7 p. illus. 1929.

Peterm. Mitt. (Gotha)

Jhering, H.von.

Klima und flora von Patagonien im wandel der zeit. Peterm. Mitt. 75: 175-80. 1929. no.7/8.

V.11, no.16, p.29.

Pflanzenban. (Berlin)

Blohm, G.

Studien über die einwirkung von bearbeitung und pflanzenwachstum auf wasserführung und durchlüftung des natürlichen bodens. Pflanzenbau. 1: 642-670. Jl.9,1929. no.3.

Schnelle, F.

Studien über die backqualität von weizensorten. Pflanzenbau. 1: 471-555. illus. Jl.9, 1929. no. 3.

Wachs, H.

Das landwirtschaftliche versuchswesen auf dem gebiet des pflanzenbaues in Dänemark, seine organisation und die methoden der versuchsanstellung. Pflanzenbau. 1: 556-641. Jl.9, 1929. no.3.

Phytopath. (Lancaster, Pa.)

Bonde, R.

Physiological strains of Alternaria solani. Phytopath. 19: 533-548. illus. Je.1929. no.6.

Edgerton, C.W., Tims, E.C. & Mills, P. J.

Relation of species of Pythium to the root-rot disease of sugar cane. Phytopath. 19: 549-564. illus., pl. xi. Je.1929. no.6.

Hartley, C.

Plot arrangement to distribute neighbor influence in field trials. Phytopath. 19: 565-574. diagrs. Je.1929. no.6.

Haskell, R.J. & Diehl, W.W.

False smut of maize, Ustilaginoidea. Phytopath. 19: 589-592. illus., pl.xiv. Je.1929. no.6.

Pierce, W.H. & Hungerford, C. W.

A note on the longevity of the bean mosaic virus. Phytopath. 19: 605-606. Je.1929. no.6.

Rumbold, C. T.

Blue-staining fungi found in the United States. Phytopath. 19: 597-599. Je.1929. no.6.

Phytopath. (cont.)

Sellschop, J.P.F.
A mutation of Gloeosporium. Phytopath. 19: 605. illus. Je.1929. no.6.

Stevens, N.E.
A method of testing the keeping quality of certain small fruits. Phytopath. 19: 593-596. Je.1929. no.6.

Stillinger, C. R.
Dasyscypha fusco-sanguinea Rehm on western white pine, Pinus monticola Dougl. Phytopath. 19: 575-584. illus., pl.xii. Je.1929. no.6.

Teng, S. C.
Rhizoctonosis of Lobelia. Phytopath. 19: 585-588. pl. xiii. Je.1929. no.6.

Zeller, S. M.
Another anthracnose of raspberry. Phytopath. 19: 601-603. illus. Je.1929. no.6.
Gloeosporium allantosporum on wild black raspberry (Rubus leucodermis) and on cultivated varieties of black raspberry and St.Regis red raspberry when latter are planted near the wild host harboring the disease.

Prakt. Blätt. Pflanzenb. u. Pflanzensch. (Freising)

Korff, G., and Böning, K.
Bericht über das auftreten von krankheiten und schädlingen an landwirtschaftlichen kulturpflanzen in den ersten monaten mit April und Mai 1929. Prakt. Blätt. Pflanzenb. u. Pflanzensch. 29: 100-105. Jl.1929. no.4.

Prakt. Ratg. Obst.- u. Gartenb. (Frankfurt a.d.O.)

Welsch, R.
Pflanzen, die eine seltsame lebensweise führen, Prakt. Ratg. Obst.-u. Gartenb. 44: 282-283. illus. Jl.14, 1929. no.28.

Proc. Nat. Acad. Sci.

Lindsay, R. H.
The chromosomes of some dioecious angiosperms. Proc. Nat. Acad. Sci. 15: 611-613. Jl.1929. no.7.

V.11, no.16, p.31.

Publ. Field Mus. Nat. Hist. Bot.Ser.

Howe, M.A.

Two new species of Chara from tropical America. Publ. Field Mus. Nat. Hist. Bot.Ser. 4: 159-161. pl. xvi. Jl.5, 1929.

Kenoyer, L. A. & Standley, P.C.

Supplement to the flora of Barro Colorado Island, Panama. Publ. Field Mus. Nat. Hist. Bot.Ser. 4: 143-158. pl. xi-xv. Jl.5, 1929. no.6.

Macbride, J. F.

Spermatophytes, mostly Peruvian, from the Captain Marshall Field expeditions to Peru. Publ. Field Mus. Nat. Hist. Bot.Ser. 4: 165-193. Jl.5, 1929. no.6.

1. The status of Rynchospora. Some Peruvian sedges; 2. New capers from Peru; 3. Some Peruvian Annonaceae with a new Guatteria; 4. New and renamed Peruvian melastomes; 5. Variants of Ostrya and Texas Tephrosia.

[Publ.] Leeds Univ. & the Yorkshire Council. Agr. Educ.

Burr, S.

Sprain or internal rust spot of potatoes. [Publ.] Leeds Univ. & the Yorkshire Council Agr. Educ. no.160. 24 p. illus. 1929.

Bacterium rubefaciens.

Strachan, J. & Taylor, T.H.

Potato eelworm. [Publ.] Leeds Univ. & the Yorkshire Council Agr.Educ. no.159. 14 p. 1929.

Queensl. Agr. Journ. (Brisbane)

Francis, W.D.

Queensland rain forest trees (cont.) Queensl. Agr. Journ. 31: 416-417. illus. Je.1, 1929. no.6.

Water gum. (Tristania laurina)

Rec. Trav. Bot. Néerl. (Amsterdam)

Dolk, H. E.

Plants collected by Mrs. J. Visser-Hooft during the second expedition to the Kara-korum mountains. in the year 1925. Rec. Trav. Bot. Néerl. 25: 298-328. 1929. no.3/4.

Gramineae, by J.Th.Henrard, p.295.

Keulemans, M. C.

Die produkte der kohlensäureassimilation bei Tropaeolum majus, eine quantitative untersuchung mit biochemischen methoden. Rec. Trav. Bot. Néerl. 25: 329-389. 1929. no.3/4.

v.11, no.16, p.32.

Rec. Trav. Bot. Néerl. (cont.)

Pool, J. W.
On the anatomy of Araucarian wood. Rev.Trav. Bot. Néerl. 25: 484-620. illus. 1929. no.3/4.

Posthumus, O.
Einige eigentümlichkeiten der blattform bei Dipteris und bei andern noch lebenden oder fossilen pflanzen. Rec. Trav. Bot. Néerl. 25: 241-292. illus., 5 pl. 1929. no.3/4.

Uittien, H.
Ueber den zusammenhang zwischen blattnervatur und sprossverzweigung. Rec. Trav. Bot. Néerl. 25: 390-483. illus., 3 pl. (2 fold.) 1929. no.3/4.

Rev. Agriculteurs France.

Cuvillier,
La cercosporiose de la betterave. Rev. Agriculteurs France. 61(6bis): 72-77. Je. 1929.

Rev. Bot. Appl. (Paris)

Beauverie, J.
Un nouvel aspect de la question de l'immunité chez les plantes. La production d'anticorps de la nature des précipitines. (concl.) Rev. Bot. Appl. 9: 371-377. Je.1929. no.94.

Chevalier, A.
Les caesalpinia's à gousses tannifères. (concl.) Rev. Bot. Appl. 9: 377-381. Je.1929. no.94.

Dufrénoy, J. & Hédin, L.
La mosaïque des feuilles du manioc au Cameroun. Rev. Bot. Appl. 9: 361-365. pl.xii. Je.1929. no.94.

François, M.T.
Etudes chimiques sur deux espèces peu connues d'Arachides et sur une variété microsperme de l' Arachis hypogaea. Rev. Bot. Appl. 9: 357-361. Je.1929. no.94.
A.Rasteiro, A.Nambiquarae, and A. prostrata.

Kopp, A.
La multiplication des hévéas sélectionés (concl.) Rev. Bot. Appl. 9: 382-391. Je.1929. no.94.

V.11, no.16, p.33.

Rev. Bryol. (Caen)

Bauer, E.
Musci alegrènses récoltés par Ed.-M. Reineck et M.-J. Czermack en 1897-1899. Rev. Bryol. n.s. 2: 44-46. Je.15, 1929. no.1.

Brotherus, V.F.
Musci novi asiatici. Rev. Bryol. n.s. 2: 1-16. pl. i. Je.15, 1929. no. 1.

Dixon, H.N.
Critical mosses. Rev. Bryol. n.s. 2: 21-29. Je.15, 1929. no.1.

Nicolas, G.
Observations sur un endophyte de Lunularia cruciata (L.) Dumortier. Ses relations avec une pézize, Humaria Nicolai R.Maire. Rev. Bryol. n.s., 2: 35-40. illus. Je.15,1929. no.1.

Thériot, I.
Une poignée de mousses cambodgiennes. Rev. Bryol. n.s. 2: 17-20. illus. Je.15,1929. no.1.

Varde, R.P.de.la.
Additions a la flore bryologique de Normandie. Rev. Bryol. n.s. 2: 30-34. Je.15,1929. no.1.

Verdoorn, F.
Les lejeunéacées de la Belgique et du Luxembourg. Rev. Bryol. n.s. 2: 41-43. Je.15,1929. no.1.

Rev. Eaux et For. (Paris)

Flaugère, A.
Plantes exotiques et arboretums dans les Cévennes méridionales. Historique et résultats des premiers essais. Rev. Eaux et For. 67: 379-388. illus. Je.1929. no.6.

Rev. Hort. Organ Soc. Hort. Roumania. (Bucurest)

Georgescu, M.M.
Plantele ornamentale sàlbatice. Rev. Hort. Organ Soc. Hort. Roumania. 7: 293-296. illus. Jl.1, 1929. no.77.

Rhodora. (Boston)

Benke, H. C.
Notes on fall-flowering plants of the central Mississippi River valley. Rhodora. 31: 145-151. Ag.1929. no.368.

Fernald, M.L.
Coptis trifolia and its eastern American representative. Rhodora. 31: 136-142. Jl.1929. no.367.
C.groenlandica n.comb. (Anemone groenlandica Oeder)

Stebbins, G.L.jr.
Lomatogonium rotatum (L.) Fries in Maine. Rhodora. 31: 143. Jl. 1929. no.367.

Stebbins, G.L. jr.
Some interesting plants from Mt.Katahdin. Rhodora. 31: 142-143. Jl.1929. no.367.

Svenson, H.K.
Monographic studies in the genus Eleocharis. Rhodora. 31: 121-135, 152-163. pl.188. Jl., Ag. 1929. no. 367, 368.

Weatherby, C. A.
Two variants of Ranunculus recurvatus. Rhodora. 31: 163-164. Ag.1929. no.368.

Sbornik Českoslov. Akad. Zeměd. (Praha)

Klika, J.
Lesni typy v rámci našeho lesniho geobotanického prozkumu a jejich vztah k lesnictvi. Waldtypen im rahmen unserer forstwirtschaftlichen geobotanischen durchforschung und deren beziehungen zur forstwirtschaft. Sbornik Českoslov. Akad. Zeměd. 4:229-284. illus. 1929. no.2.
Polish with German summary: p.275-284.

Vukolov, V.A.
O polyembryonii u lipnic (Poa)... Polyembryony in blue grasses (Poa sp.) Sbornik Českoslov. Akad. Zeměd. 4: 193-218. illus. 1 pl. 1929. no.2.
Polish with English summary: p.217-218.

Science. (Lancaster,Pa.)

Clark, G.L. & Boruff, C. S.
The effect of X-rays on bacteria. Science. n.s. 70: 74-75. table. Jl.19,1929, no.1803.

Deuber, C.G. & Bowen, P.R.
Chemical treatment to shorten the rest period of sugar maple trees. Science. 70: 102. Jl.26, 1929. no.1804.

Scient. Month. (Lancaster, Pa.)

Harshberger, J. W.
Facilities in Brazil, Argentina, Chile and Peru for botanical investigation and travel. Scient. Month. 29: 144-153. illus. Ag.1929. no.2.

So. African Gard. (Johannesburg)

Bolus, L.
Gladiolus vaginatus, Bolus. f. var. fergusoniae, L.Bolus. Montbretiopsis florentiae, L.Bolus (= Gladiolus florentiae, Marl.) So.African Gard. 19: 215. illus. Jl.1929. no.7.

Bolus, L.
Two stone-dwellers, Didymaotus lapidiformis, N. E.Br., Argeta petrensis, N.E.Br. So.African Gard. 19: 221. illus. (1 col.) Jl. 1929. no.7.

Marloth, R.
A handsome Aloe from the Little Karoo. So. African Gard. 19: 210-211. illus. Jl.1929. no.7.
A.muirii.

Special Crops. (Skaneateles, N.Y.)

Sievers, A.F.
Peppermint and spearmint as farm crops. Special Crops. 28: 173-176. Jl.1929. no.323.

Succulenta. (Leeuwarden)

D[uursma], G.D.
Een vergeten cactus? (Opuntia pusilla S.D.) Succulenta. 11:147-149. illus. Jl.1929. no.7.

Svensk Bot. Tidskr.

Afzelius, K.
Sur deux convolvulacées nouvelles de Madagascar. Svensk Bot. Tidskr. 23: 179-183. illus. 1929. no.2.
Pentacrostigma n.gen., P.nyctanthum; Porana parvifolia, n.sp.

Svensk Bot. Tidskr. (cont.)

Birger, S.
In memoriam. Johan August Holm. Svensk Bot. Tidskr. 23: 286-288. port. 1929. no.2.

Eliasson, A. G.
Svampar fran Hålland. Svensk Bot. Tidskr. 23: 233-240. 1929. no.2.

Hylander, N.
Diasporenabtrennung und diasporentransport. Bemerkungen zur verbreitungsökologischen terminologie. Svensk. Bot. Tidskr. 23: 184-218. 1929. no.2.

Johansson, N.
Rhytmische schwankungen in der aktivität der mikroorganismen des bodens. Svensk Bot. Tidskr. 23: 241-260. illus. 1929. no.2.

Ljungqvist, J.E.
Vegetationsbilder från Mästermyr III. Svensk. Bot. Tidskr. 23: 219-232. illus. 1929. no.2.

Söderberg, E.
Bemerkungen zur nomenklatur der parthenogenetischen Erigeron-arten. Svensk Bot. Tidskr. 23: 261-262. 1929. no.2.

Westfeldt, G.A.
Bidrag till Borås-traktens flora. Svensk Bot. Tidskr. 23: 263-269. 1929. no.2.

Trans. & Proc. New Zeal. Inst. (Wellington, N.Z.)

Laing, R.M. & Gourlay, H.W.
The New Zealand species of Gigartina. Trans. & Proc. New Zeal. Inst. 60: 102-135. illus., pl.5-15. Mr.1929. no. 1.

Tropenpfl. (Berlin)

Tobler, F.
Zikaden als schädlinge des henequen. Tropenpfl. 32: 253-259. illus. Je.1929. no.6.

Trop. Agr. (Ceylon) (Peradeniya)

Taylor, R. A.
A note on brown bast. Trop. Agr. 72: 323-336. Je.1929. no.6.

V.11, no.16, p.37.

Věstník Českosl. Akad. Zeměd. (Praha)

Bilovský, F.

Ochrana zemědělství proti škodám kouřovým a jiným imisím v právu československém. Schutz der landwirtschaft gegen rauchschäden und andere immissionen nach dem Čs. rechte. Věstník Českosl. Akad. Zeměd. 5: 541-545. Je./Jl.1929. no.6/7.

Czechoslovakian with German summary: p.544-545.

Macku, J.

O vlivu některých iontů na vzrůst nmoty rostlinné a tvorbu účinných látek u léčivých rostlin. L'influence de plusieurs ions sur la formation des substances actives chez les plantes médicinales. II. Věstník Českosl. Akad. Zeměd. 5: 557-558. Je./Jl.1929. no.6/7.

Lobelia inflata.

Czechoslovakian with French summary: p.558.

Vincent, G.

Rozbory šišek jehličnanu. Analysen der koniferenzapfen. Věstník Českosl. Akad. Zeměd. 5: 590-595. Je./Jl.1929. no.6/7.

Czechoslovakian with German summary: p.594-595.

Vincent, G.

Vlastnosti tuků různě starých semen jehličnanů. Veränderung der fette der reservestoffe während der samenaufbewahrung. Věstnik Českosl. Akad. Zeměd. 5: 595-597. Je./Jl.1929. no.6/7.

Czechoslovakian with German summary: p.597.

Vodrážka, O.

Výzkumy dřeva v ultrafialovém světle. Cast II (Holzuntersuchungen im ultravioletlicht. II. teil. Das holz der Robinie, des Götterbaumes und des Sumach). Věstník Českosl. Akad. Zeměd. 5: 586-590. Je./Jl.1929. no.6/7.

Czechoslovakian with German summary: p.588-590.

Vict. Nat. (Melbourne)

Coleman, E.

Pollination of Cryptostylis subulata (Labill.) Reichb. Vict. Nat. 46: 62-66. illus., pl.iv. Jl.1929. no.3.

A Vinha Portug. (Lisbon)
Bensaude, M.
O míldio das laranjeiras e dos limoeiros.
A Vinha Portug. 38(448): 3-5. illus. F.1929.
(Rec'd Jl.) no.448.

Carvalho e Vasconcelos,J. de.
Plantas fanerogâmicas venenosas da flora portuguesa. A Vinha Portug. 38(449/450): 20-23.
illus. Mr./Ap.1929 (Rec'd Jl.) no.449/450.

Zeitschr. Pflanzenernähr. Düng. u. Bodenk. A. Wiss. Teil. (Leipzig)
Bobko, E.W. & Popowa, R.A.
Beiträge zur frage über die durre- und kälteresistenz der pflanzen. Zeitschr. Pflanzenernähr.
Düng. u. Bodenk. A.Wiss.Teil. 14: 24-37. 1929.
no.1/2.

Niethammer, A.
Die gründlagen für chemische reizwirkungen an höheren pflanzen. Zeitschr. Pflanzenernähr. Düng.
u. Bodenk. A.Wiss.Teil. 14: 162-169. 1929. no.3.

Zeitschr. Pflanzenkr. (Stuttgart)
Münch, E.
Ueber einige grundbegriffe der phytopathologie.
Zeitschr. Pflanzenkr. 39: 276-286. Jl.1929. no.7.

Reinmuth, E.
Der kartoffelnematode (Heterodera schachtii Schm.) Beiträge zur biologie und bekämpfung. Zeitschr. Pflanzenkr. 39: 241-276. illus. Jl.1929.
no. 7.

Zeitschr. Pflanzenzucht. (Berlin)
Gieseke, A.
Untersuchungen über das verhalten von winterweizen bei künstlicher infektion mit steinbrand (Tilletia tritici) Zeitschr. Pflanzenzucht.
14: 311-363. illus. Je.1929. no.3.

Knorr, C.
Untersuchungen über das verhälten von sommerweizen-sorten und bastardierungen bei künstlicher infektion mit steinbrand (Tilletia tritici)
Zeitschr. Pflanzenzucht. 14: 261-310. Je.1929.
no.3.

V.11, no.16, p.39.

Zeitschr. Pflanzenzucht. (cont.)

Tršice, S.

Versuch einer verfolgung der vegetativen vererbung einiger beim hopfen wirtschaftlich wichtiger eigenschaften. Zeitschr. Pflanzenzucht. 14: 401-410. Je.1929. no.3.

Zeitschr. Pilzk. (Leipzig)

Kallenbach, F.

Vom erlen-grübling [Gyrodon lividus Sacc. ex Bull.] Zeitschr. Pilzk. 13(n.s.8): 90-96. Je.27, 1929. no.6.

Killermann, S.

Theodor Holmskiold. Zeitschr. Pilzk. 13(n.s.8): 82-84. Je.27, 1929. no.6.

Pieschel, E.

Bemerkungen zu einigen pilzfunden aus Sachsen, Brandenburg, und Nordböhmen. Zeitschr. Pilzk. 13(n.s.8): 84-90. Je.27, 1929. no.6.

Stoll, F.E.

Ein neuer tintenpilz. Zeitschr. Pilzk. 13(n.s.8): 81-82. pl.7-9. (1 col.) Je.27, 1929. no.6.

Coprinus dunarum n.sp.

Der Züchter. (Berlin)

Kappert, H.

Die erblichkeitsverhältnisse der züchterisch wichtigen eigenschaften der gartenerbse. Der Züchter. 1: 79-86. Je.1929. no.3.

Lochow, F.von.

Etwas über forstpflanzensüchtung. Der Züchter. 1: 73-79. illus. Je.1929. no.3.

Plaut, M.

Altes und neues zu beizfragen, speziell der rübensaat. Der Zuchter. 1: 92-100. illus. Je. 1929. no.3.

/Exper. Stat. Publ.

Morgan, M.F., Anderson, P.J. & Dorsey, H.
Soil reaction and liming as factors in tobacco production in Connecticut. Connecticut Agr. Exp. Stat. Bull. 306. p.773-806. illus. Ap.1929 (Rec'd Jl.)

Thompson, H. C.
Premature seeding of celery. Cornell Agr. Exp. Stat. Bull. 480. 50 p. illus. My.1929.

Brooks, A.N., Watson, J.R. & Mowry, H.
Strawberries in Florida; culture, diseases and insects. Florida Agr. Exp. Stat. Bull.304. p.481-523. illus. My.1929 (Rec'd Jl.)
Strawberry diseases, p.499-512. Anthracnose, crimps, root rot, fertilizer burn, root knot, leaf spot, leaf scorch, leaf blight, mildew, leaks or whiskers, brown rot or gray mold, light tan rot, hard brown rot.

Campbell, R. C.
Cotton fiber studies. Georgia Agr. Exp. Stat. Bull. 158. 15 p. illus. Je.1929.

Woodroof, J. G.
The Young dewberry. Georgia Agr. Exp. Stat. Circ. 86. 6 p. illus. Je.1929.

Hawaii. Agricultural experiment station.
Report ... 1928. 29 p. illus. Je.1929.
Summary of investigations, J.M. Westgate; Horticultural division (mangoes, avocados, Macadamia nut. dates, breadfruit, coffee), W.T. Pope; Agronomy division (ginger, cassava, taro, etc.) H.L. Chung; Chemical division (edible canna investigations), J. C. Ripperton & C. Richter.

Boswell, V. R.
Factors influencing yield and quality of peas. Biophysical and biochemical studies. Maryland Agr. Exp. Stat. Bull. 306. p. 341-382. Mr. 1929 (Rec'd Jl.)

Franklin, H.J.
The cranberry station (in Bienn. Rep.1926/27-1927/28). Mass. Agr. Exp. Stat. Bull.247: 313-316. F.1929 (Rec'd Jl.)
Cranberry disease work, Weather observations with reference to frost protection, The relationship of weather to cranberry production.

Exper. Stat. Publ. (cont.)

Osmun, A.V.
Department of botany (in Bienn. Rep.1926/27-1927/28). Mass. Agr. Exp. Stat. Bull. 247: 306-313. illus. F.1929 (Rec'd Jl.)
Doran, W.L. Tobacco diseases, Downy mildew of cucumber and lettuce; Guba, E.F. Control of diseases of greenhouse vegetables, Carnation blight, Eggplant wilt; Jones, L.H. Eradication of nematodes and parasitic fungi in greenhouse soils, The rest period of gladiolus; Davis, W.H. Fungous parasites of grasses, A leaf-spot of Chinese cabbage, caused by an Alternaria.

Swartwout, H. G.
Blackberries, raspberries, and dewberries. Missouri Agr. Exp. Stat. Bull. 265. 31 p. illus. Ja.1929.
Diseases: p.28-31.
Crown gall and anthracnose of raspberries; orange rust more common on blackberries.

Wiggin, W. W.
Gladiolus varieties. Ohio Agr. Exp. Stat. Bimo. Bull. 1929(139): 130-136. illus. Jl.-Ag.1929.

Mangelsdorf, P. C.
Corn varieties in Texas; their regional and seasonal adaptation. Texas Agr. Exp. Stat. Bull. 397. 74 p. illus. Je.1929.

Schafer, E.G., Lee, O.C. & Neller, J.R.
Eradicating the bindweed with sodium chlorate. Washington Agr. Exp. Stat. Bull.235. 16 p. illus. Je.1929.

State Publications.

Le Clerg, E.L.
Neck rot of onions. Colorado Agr. Coll. Extens. Serv. Bull.301-A. 16 p. illus. Jl. 1929.

Le Clerg, E.L.
Pink-root of onions. Colorado Agr. Coll. Extens. Serv. Circ. 57. [3] p. Ja.1929 (Rec'd Jl.)

State Publications. (cont.)

Woodard, J.S.

Pecan growing in Texas. Bull. Texas Dept. Agr. no.95. 182 p. illus. Mr.1929 (Rec'd Jl.)

"Diseases of the pecan" by J.M. Del Curto: p.154-166.

Chambers, E.L.

Division of insect and plant disease control (Bienn. Rep. Wisc. Dept.Agr. 1927-28). Bull. Wisc. Dept. Agr. 98: 81-126. illus. D.31,1928. (Rec'd Jl.1929)

Nursery inspection; Plant quarantine and special regulations; The raspberry mosaic situation; Gladiolus diseases, N.F. Thompson; Narcissus bulb inspection; Cranberry insect and disease control, H.F. Bain; White pine blister rust control, H.J. Ninman; Tobacco wildfire, J. Johnson; Progress in barberry eradication, R.M. Caldwell.

New Books.

Fultz, F.M.

Lily, iris, and orchid of Southern California. Gardena, Calif., Spanish American institute press, 1928.

Geiser, S.W.

Naturalists of the frontier, I. Jacob Boll. 1929.

Gilkey, H.M.

A spring flora of northwestern Oregon. [n.p., 1929]

Haas, P. & Hill, T. G.

An introduction to the chemistry of plant products Vol. II. Metabolic processes. 2d ed. London, New York, Toronto, Longmans, Green and co., 1929.

Herrington, A.

The chrysanthemum... Rev.ed. N.Y., Orange Judd pub. co., 1929.

Insect pests and diseases: p.122-134.

New Books (cont.)

Krylov, P.
Flora zapadnoi Sibiri ... pt.1-2. [Tomsk] 1927-28 (Rec'd Jl.1929)
i. Pteridophyta-Hydrocharitaceae; ii. Gramineae.

Roberts, H. F.
Plant hybridization before Mendel. Princeton, Princeton university press.

La Roumanie agricole. [Bucureşti, Tipografia "Bucovina" J.E. Toroutii[1929.
Enculesco, P.Le sol et la végétation spontanée de Roumanie, p.25-50; Petrini, E.Les pâturages et les prairies de Roumanie, p.119-158; Saulesco, N. L'amélioration des plantes agricoles en Roumanie, p.355-387.

Royal horticultural society, London.
Classified list of daffodil names. With particulars of the Society's classification of daffodils and arrangements for the registration of daffodil names. London,1929.

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

Vol. 11, no. 17. August 3-17, 1929.

Agric. Colon. (Firenze)

Nicastro, C.
Il mate o tè del Paraquay. (Ilex paraguariensis St. Hil) (cont.) Agric. Colon. 23: 324-334. illus. Jl. 1929. no.7.

Agr. Gaz. N. S. W. (Sydney)

McCleery, F. C.
Control of exanthema of citrus in New South Wales. Agr. Gaz. N. S. W. 40: 523-534. illus. Jl.1,1929. no.7.

Pridham, J. T., Dwyer, R. E. P., and Hurst, R.
Control of flag smut of wheat by resistant varieties. Agr. Gaz. N. S. W. 40: 520-522. Jl.1,1929. no.7.

Agr. Journ. India. (Calcutta)

Bose, R. D.
The Indian oat and the error in its identification. Agr. Journ. India 24: 169-174. pl.xiv-xv. My.1929. no.3.
Avena sterilis.

Cheema, G. S., and Dani, P. G.
Seedlessness in papayas. Agr. Journ. India 24: 206-207. pl.xxi. My.1929. no.3.

Howard, G. L. C.
The improvement of plants. Agr. Journ. India 24: 149-158. My.1929. no.3.

Khan, K. S. A. R.
Pollination and fruit formation in litchi (Nephelium litschi, Camb). Agr. Journ. India 24: 183-187. pl.xvii-xx. My.1929. no.3.

Amer. Flor. (Chicago)

Hansen, W. A.
Sulphus fumes destroy crops. A description of the devastating effects of sulphur gas upon surrounding plants. Amer. Flor.71(2146):10,29. Ag.3,1929. no.2146.
Great damage to outdoor vegetation within a large radius, due to gas escaping during fumigation of a mushroom house.

Amer. Fruit Grow. Mag. (Chicago)
Bourne, A. I.
Scientific research in spraying aids Massachusetts growers. Amer. Fruit Grow. Mag. 49(8):8-9. illus. Ag.1929.

Angew. Bot. (Berlin)
Bremer, H.
, Die abhängigkeit der zuckerrübenkeimung von der temperatur. Angew. Bot. 11:112-115. diagr. Mr./Ap. 1929. no.2.

Fichte, E.
Struckturveränderungen am toten holze durch technische einflüsse und ihre sichtbarmachung durch färbungen. Angew. Bot. 11:77-112. pl.1-2(col.) Mr./Ap.1929. no.2.

Klinkowski, M.
Fichtelgebirgshafer und v. Lochows gelbhafer. Ein physiologischer vergleich. Angew. Bot. 11: 127-190. illus. Mr./Ap. 1929. no.2.

Winkelman, A.
Infektionsversuche mit Helminthosporium gramineum. Angew. Bot. 11: 120-125. Mr./Ap.1929. no.2.
On barley.

Wollenweber, H. W.
Chinosol gegan schädliche pilze. Angew. Bot. 11: 116-120. Mr./Ap.1929. no.2.

Ann. Rep. Bur. Amer. Ethnol. (Wash.)
Densmore, F.
Uses of plants by the Chippewa Indians. Ann. Rep. Bur. Amer. Ethnol. (1926/27) 44:275-397. pl. 28-63. 1928(Rec'd Jl.1929)

Ann. Rep. Dept. Agr. Jamaica
Smith, F. E. V.
Plant diseases in Jamaica in 1928. Report of the government microbiologist. Ann. Rep. Dept. Agr. Jamaica, 1928: 17-20. 1929.

Ann. Rep. Oregon State Hort. Soc.

Ames, S.
Spraying for walnut blight. Ann. Rep. Oregon State Hort. Soc. 19(1927): 181-184. [1928?] (Rec'd Ag.1929)
In 13th annual meeting of the Western nut growers association.

Brierley, P.
Lily diseases. Ann. Rep. Oregon State Hort. Soc. 19(1927): 217-220. [1928?] (Rec'd Ag.1929)
In 1st annual meeting of Oregon lily growers association.

Childs, L.
Perennial canker of apples. Ann. Rep. Oregon State Hort. Soc. 19(1927): 108-115. [1928?] (Rec'd Ag.1929)

Fisher, D. F.
Storage rots and their control. Ann. Rep. Oregon State Hort. Soc. 19(1927):87-95. [1928?] (Rec'd Ag.1929)

Arch. de Bot. Caen Mém.

Liou, T.
Études sur la géographie botanique des Causses. Arch. de Bot. Caen, Mém. v.3, no.1. 220p. illus., 15 pl., tables, diagrs. 1929.

Arch. Rubbercult. Nederl.-Ind. (Batavia, Java)

Frey, A.
Microscopisch onderzoek naar het voorkomen van harsen in de latex van Hevea. (Microscopic investigations on the occurrence of resins in Hevea-latex). Arch. Rubbercult. Nederl.-Ind. 13: 371-391. illus. Jl.1929. no.7.
English abstract: p. 392-412.

Austral. For. Journ.

Penfold, A. R.
Eucalyptus. The essence of Australia. Austral. For. Journ. 12: 40-45. Je.1929. no.2.

Welch, M. B.
Some destructive agencies in building timbers. Austral. For. Journ. 12: 47-53. Je.1929. no.2.
Decay, p.51-53.

Beih. Bot. Centralbl. Abt. I (Dresden)

Gordiagin, A.
Ueber die winterliche transpiration einiger holzgewächse Ostrusslands. Beih. Bot. Centralbl. Abt. I. 46: 93-118. Je.1929. no.1.

Sigmond, H.
Ueber das aufblühen von Hedera helix L. und die beeinflussung dieses vorganges durch das licht. Beih. Bot. Centralbl. Abt. I, 46:68-92. diagr. Je.1929. no.1.

Sigmond, H.
Vergleichende untersuchungen über die anatomie und morphologie von blütenknospenverschlüssen. Beih. Bot. Centralbl. Abt. I, 46: 1-67. illus. Je.1929. no.1.

Beih. Bot. Centralbl. Abt. II. (Dresden)

Anders, J.
Erklärungen zu den Icones von F. Arnold. Beih. Bot. Centralbl. Abt. II, 45:541-562. Je.1929. no.3.

Klika, J.
Ein beitrag zur geobotanischen durchforschung des steppengebietes im böhmischen mittelgebirge. Beih. Bot. Centralbl. Abt. II, 45: 495-539. pl.v, diagrs. Je.1929. no.3.

Kretschmer, G.
Vegetationsstudien in katalanischen vorpyrenäen am Monsech und an der Sierra de Beaumort. Beih. Bot. Centralbl. Abt. II, 45: 397-494. illus. Je. 1929. no.3.

Beitr. Geobot. Landesaufnahme, Pflanzengeogr. Komm. Schweiz Naturf. Ges. (Bern)

Brockmann-Jerosch, H.
Die vegetation der Schweiz. 3. Die winderverhältnisse. Beitr. Geobot. Landesaufnahme, Pflanzengeogr, Komm. Schweiz. Naturf. Ges. 12, lfg. 4. p.385-499. Mr.1,1929.

Better Flow. (North Portland, Ore.)

Ingram, D. C.
Oregon's own primula. Better Flow. Aug.1929. p.7. illus.
Primula cusickiana.

Better Homes & Gard. (Des Moines, Ia.)
Windsor, R. E.
Making cutflowers last longer. Better Homes & Gard. 7(10): 14,45. illus. Je.1929. no.10.

La Betterave. (Paris)
Decoux, L.
Les causes de variation de la reaction du sol en relation avec la betterave a sucre. La Betterave 39(20): 7-13. Jl.15,1929. no.20.

Biol. Gen. (Vienna)
Himmelbaur, W., and Walter, A.
Die biochemische wertigkeit von bastardaufspaltungen des Rheum palmatum. Biol. Gen. 5: 317-378. illus. pl.18-23 (3 col.) 1929. no.3.

Bol. Agr. São Paulo
Amaral, A. P. do
Crotelaria juncea - seu aproveitamento como planta productora de fibra e adubo verde. Bol. Agr. São Paulo 30:106-110. Ja./F.1929 (Rec'd Ag.) no.1/2.

Hoehne, F. C.
Os vegetaes na therapeutica. Bol. Agr. São Paulo 30: 92-105. illus. Ja./F.1929. (Rec'd Ag.) no.1/2.

Bol. Agr. y Cam. Guatemala
Bardales, M. A.
Notas sobre el cultivo del aguacate. (concl.) Bol. Agr. y Cam. Guatemala 8: 207-210. My.1929. no.5.

Bryologist (Pittsburg)
Brinkman, A. H.
Hepatics and sites: A short study in the ecology of hepatics. Bryologist 32: 29-30. Mr.1929. (Rec'd Ag.) no.2.

Cheney, L. S.
Notes on interesting Wisconsin mosses. II. Bryologist 32: 25-28. Mr.1929 (Rec'd Ag.) no.2.

Frye, T. C.
The genus Pleurozium. Bryologist 32:31. Mr.1929 (Rec'd Ag.) no.2.

Bryologist. (cont.)

Parlin, J.C.
Some bryological notes from Maine. Bryologist 32:32-34. Mr.1929 (Rec'd Ag.) no.2.

Trotter, L. B. C.
Encalypta streptocarpa Hedw., with gemmae. Bryologist 32: 35-37. 1 pl. Mr.1929 (Rec'd Ag.) no.2.

Bull. Dept. Agr. Canada (Ottawa)

Preston, I.
Herbaceous perennials with lists of varieties for special purposes and districts. Bull. Dept. Agr. Canada n.s., 113. 70 p. illus. 1929.

Bull. Dept. Agr. Gold Coast (Accra)

Bunting, H.H.
Cocaa diseases prescribed by the Plants (injurious pests) ordinance. Bull. Dept. Agr. Gold Coast 11. 39 p. illus., 13 col. pl. Ap.1927 (Rec'd Ag.1929)

Bull. Illinois Nat. Hist. Surv.

Miller, R. B. & Tehon, L. R.
The native and naturalized trees of Illinois. Bul. Illinois Nat. Hist. Surv. 18: 1-339. illus. 1929. no.1.
"Keys to the trees for the four seasons", by William Trelease, p.15-22.

Bull. Misc. Inform. Kew. (London)

Becker, W.
Violae asiaticae novae. Bull. Misc. Inform; Kew 1929:200-203. 1929. no.6.

Chipp, T. F.
The Imatong mountains, Sudan. Bull. Misc. Inform. Kew 1929: 177-197. pl.viii-xi. map. 1929. no.6.

Fischer, C. E. C.
Contributions to the flora of Burma. VII. Bull. Misc. Inform. Kew 1929: 204-207. 1929. no.6.

Sprague, T. A., and Sandwith, N. Y.
Sphaeralcea creeana. Bull. Misc. Inform. Kew 1929: 203-204. 1929. no.6.

Whyte, R. O.
Researches on Silene maritima and S. vulgaris. IV. Bull. Misc. Inform. Kew 1929: 197-200. 1929. no.6.

Bull. Misc. Inform. Kew. (cont.)

Wright, C. H.
...Dr. Louis Trabut... Bull. Misc. Inform. Kew 1929: 208. 1929. no.6.

Bull. Scripps Inst. Oceanogr. Techn. Ser.

Allen, W. E.
Surface catches of marine diatoms and dinoflagellates made by U. S. S. "Pioneer" in Alaskan waters in 1924. Bull. Scripps Inst. Oceanogr. Techn. Ser. 2: 139-153. diagr., map 1929. no.2.

Bull. Torr. Club

Brown, C. A.
Notes on Arundinaria. Bull. Torr. Club 56: 315-318. Je.1929. no.6.

Johansen, D. A.
Studies on the morphology of Onagraceae. I- Bull. Torr. Club 56: 285-298. illus. pl.11. Je.1929. no.6.
I. The megagametophyte of Hartmannia tetraptera.

Levine, M.
A comparison of the behavior of crown gall and cancer transplants. Bull. Torr. Club 56: 299-314. pl.12-13. Je.1929. no.6.

Mowery, May
Development of the pollen grain and the embryo sac of Agropyron repens. Bull. Torr. Club 56: 319-324. pl.14-15. Je.1929. no.6.

Calif. Grow. (San Francisco)

Bonnet, L.O.
The color in grapes. Calif. Grow. 1(2): 12. Ag.1929. no.2.

Candollea (Genève)

Briquet, J.
Auguste Guinet, 1846-1928. Notice biographique. Candollea 3:481-489. port. 1929(Je.)
Publications botaniques de A. Guinet: p.486-489.

Briquet, J.
Rapport sur l'activité au Conservatoire et au Jardin botaniques de Genève pendant les années 1926, 1927 et 1928. Candollea 3:491-530. 1929.

Candollea (cont.)

Hayek, A. von
Petite contribution à la flore de France. Candollea 3: 477-480. 1929 (N.1928)

Hochreutiner, B. P. G.
Humbertiella, un genre nouveau de malvacées de Madagascar. Candollea 3: 1-4. pl.i. 1929(Je. 1926).
H. quararibeoides.

Hochreutiner, B. P. G.
Monographie des Dombeya de Madagascar. Candollea 3: 5-120. 1929(Jl.1928).

Hochreutiner, B. P. G.
Noté sur les Centaurium d'Australie. Candollea 3: 467-471. 1929 (S. 1928)
C. pulchellum var. Muelleri, n. comb., C. spicatum var.pseudocaspicum and var. racemosum, new varieties.

Hochreutiner, B. P. G.
Sterculiacées nouvelles de l'herbier Perrier de la Bathie. Candollea 3: 141-150. 1929 (O.1926).

Saint-Yves, A.
Contribution a l'étude des Festuca (subgen.Eu-Festuca) de l'Amerique du Sud. Candollea 3: 151-315. illus. 1929 (Mr.1927).

Saint-Yves, A.
Contribution a l'étude des Festuca (subgen. Eu-Festuca) de l'Orient, Asie et région méditerranéenne voisine. Candollea 3:321-466. illus. 1929. (N. 1928).

Schischkin, B.
Diagnoses specierum novarum generis Gypsophila L. Candollea 3: 473-476. 1929 (O. 1928)

Schonland, S.
Note sur le genre Dasystemon. Candollea 3: 319-320. 1929 (Mr. 1928).
D. calycinum A. P. DC. appears to be merely a form of Crassula scabrella with abnormal inflorescence.

Schroeder, L. J.
Data of certain American Piperaceae. Candollea 3: 121-140. 1929 (S.1926).

Candollea (cont.)

Wilczek, E.
Un nouveau Knautia helvétique. Candollea 3: 490. 1929 (N. 1928).
K. silvatica var. briquetiana.

Yuncker, T. G.
Cuscutarum novarum descriptiones. Candollea 3: 317-318. 1929(Mr.1928).
C. stuckertii, C. cucullata.

China Journ. (Shanghai)

Skvortzkow, B. W.
Freshwater diatoms from Amoy, South China. China Journ. 11: 40-44. 1 pl. Jl.1929. no.1.

Compt. Rend. Acad. Agr. France (Paris)

Ghimpu, V.
Orges diploides et tétraploides. Compt. Rend. Acad. Agr. France 15: 818-821. Jl.1929. no.22.

Miège, E.
Morphologie du rachis des Triticum cultivés. Compt. Rend. Acad. Agr. France 15: 804-808. Jl.1929. no.22.

Compt. Rend. Acad. Sci. Paris

Carpentier, A.
Sur les frucitifications du Rhodea gutbieri Ettingshausen sp. Compt. Rend. Acad. Sci. Paris 189: 260-261. Jl.29,1929. no.5.

Paillot, A.
Sur l'origine infectieuse des microorganismes des aphides. Compt. Rend. Acad. Sci. Paris 189: 210-213. illus. Jl.22,1929. no.4.
Symbiosis of a bacillus and an unidentified aphid of the strawberry, also with Aphis mali, appears to be infectious.

Contr. Dudley Herb. Stanford Univ.

Abrams, L., and Bacigalupi, R.
A new genus of the saxifrage family. Contr. Dudley Herb. Stanford Univ. 1: 95-96. pl.5 (fig.1) My.20, 1929. no.3.
Bensonia n. gen. with 1 sp. B. oregana.

Applegate, E. I.
Two new Downingias from Oregon. Contr. Dudley Herb. Stanford Univ. 1: 97-98. pl.5-6. My.20, 1929. no.3.
D. yina and D. sikota n.spp.

Contr. Dudley Herb. Stanford Univ. (cont.)

Wiggins, I. L.

Four new plants from San Diego county, California. Contr. Dudley Herb. Stanford Univ. 1: 99-102. pl.7-9. My.20,1929. no.3.

Delphinium subglobosum, Heuchera brevistaminea, Ribes canthariformis, new species; Arabis pulchra glabrescens, new var.

Contr. Gray Herb. (Boston)

Johnston, I. M.

Papers on the flora of northern Chile. Contr. Gray Herb. 85: 1-172. pl.1-2. Ag.1929.

1. The coastal flora of the departments of Chañaral and Taltal. 2. The flora of the nitrate coast. 3. Undescribed species from the Cordilleras of Atacama.

Johnston, I. M.

Some undescribed species from Peru. Contr. Gray Herb. 85: 172-180. Ag.1929.

New species and combinations in Linum, Eremocharis Nolana, Bargemontia, Cacabus, Salpiglossis, and Polyachrus.

Deut. Landw. Presse. (Berlin)

Borenmann,

Löwenzahn vertilgung. Deut. Landw. Presse 56: 418. Jl.20,1929. no.29.

Klapp, E. L., and Schubart, E.

Ueber die knollenlage einiger kartoffelsorten. Deut. Landw. Presse 56: 414-415. illus. Jl.20, 1929. no.29.

Farming South Africa (Pretoria)

Stent, S. M.

Wooly finger grass. Farming South Africa 4: 169-170. illus. Jl.1929. no.40.

Digitaria eriantha var. stolonifera.

Forstw. Centralbl. (Berlin)

Fabricius, L.

Neue versuche zur feststellung des einflusses von wurzelwettbewerb und lichtentzug des schirmstandes auf den jungwuchs. Forstw. Centralbl. 51: 477-506. illus., pl.i-iii (col.). Jl.1,1929. no.13.

Forstliche versuche VII.

Fortschr. Landw. (Vienna)

Greisenegger, I. K., and Neudecker,
Form- und gewichtsänderungen von kartoffelknollen während der lagerung. Fortschr. Landw. 4: 473-476. diagr. Ag.1,1929. no.15.

Wozak, Hans
Stickstoffgehalt und stickstoffverteilung in einigen leguminosen während des wachstums auf grund vergleichender untersuchungen. Fortschr. Landw. 4: 485-488. diagrs. Ag.1, 1929. no.15.

Garden Flowers (Rochester, N.Y.)

Griffiths, D.
Easily propagated lilies. Garden Flow. 1: 1(7): 2-16. Jl.1928. no.7.

Scott, E. A. B., and Scott, J. W.
Notes on the so-called black-rot. Garden Flow. 1(1): 13-15. Ja.1928. no.1.
Black-rot of gladiolus not due to wireworms but may be propagated thru injuries caused by them. Disinfection of bulbs prevents disease and using ground seeds of squash, pumpkin, etc. in soil with bulbs keeps off the wireworms.

Gard. Chron. (London)

Auton, W.
Some gardening fallacies, ancient and modern. (concl.) Gard. Chron. III, 86: 73. Jl.27, 1929. no.2222.

Darnell, A.W.
The genus Priumla. (cont.) Gard. Chron. III, 86: 73-74. Jl.27, 1929. no.2222.

Everett, T. H.
Lilium philadelphicum. Gard. Chron. III, 86: 69. Jl.27, 1929. no.2222.

Friend, H.
Problems of plant life. V. The significance of wilting. Gard. Chron. III, 86: 71-72. Jl.27, 1929. no.2222.

Wall, A.
Alpine and shingle plants of New Zealand. Gard. Chron. III, 86: 72-73. Jl.27, 1929. no.2222.

Gard. Chron. (cont.)

Ward, F. K.

Mr. F. Kingdon Ward's tenth expedition in Asia. XXVI. The Alps at last. Gard. Chron. III, 86: 70-71. illus. Jl.27, 1929. no.2222.

Williams, A. H.

Pomaderris. Gard. Chron. III, 86: 69. illus. Jl.27, 1929. no.2222.

Gard. Illus. (London)

Auton, W.

Clethras. Gard. Illus. 51: 520. illus. (p.520-521) Jl.27, 1929. no.2629.

Gartenbauwiss. (Berlin)

Branscheidt, P.

Die befruchtungsverhältnisse beim obst und bei der rebe. Gartenbauwiss 2: 158-270. illus. Jl. 1929. no.2.

Lindenbein, W.

Cytologische untersuchungen über die sterilitatsursachen einiger stein- und kernobstsorten. I Gartenbauwiss. 2: 133-157. illus. Jl. 1929. no.2.

Die pollenentwicklung einiger süsskirschen.

Zecha, E.

Ueber die aufastung der obstbäume. Gartenbauwiss. 2: 271-280. illus. Jl.1929. no.2.

Gartenfl. (Berlin)

Fischer, H.

Die pflanze und das licht. Gartenfl. 78: 191-195. Jl.1929.

Gartenw. (Berlin)

Hahn, E.

Begonien für kreuzungswecke. Gartenw. 33: 401. illus. Jl.19, 1929. no.29.

Gum Tree.

Allan, H. O.

Mt. Dandenong arboretum. Gum Tree 11(50): 17-19, 21. illus. Je.1929. no.50.

Harper Adams Agr. Coll. Sugar Beet Problems.

Preston, N. C.

Diseases of sugar beets. Harper Adams Agr. Coll. Sugar Beet Problems, Rep. 2d Conf. Ja.23,1929. p.32-36. [1929]

Hedwigia (Dresden)

Bokorny, T.
Einige inhaltschemische und ernährungsphysiologische daten über kryptogamen. Hedwigia 69: 39-55. illus. Je.1929. no.1/2.

Fleischer, M.
Neue formen in den "Musci frondosi Archipelagi Indici et Polynesiaci". XI. serie (1928) Hedwigia 69: 94. Je.1929. no.1/2.

Killermann, S.
Die Bulgaria-Fr.-gruppe. Hedwigia 69: 84-93. pl.1. Je.1929. no.1/2.
Coryne, Burkardia, Bulgariopsis, Bulgariella, Neobulgaria (N. margaritoidea n.sp.)

Lange, H.
Zur flechtenflora des Erzgebirges. Das obere Zschopaugebiet. Hedwigia 69: 56-83. Je.1929; no.1/2.

Mägdefrau, K.
Die pteridophyten Ost-Thüringens. Hedwigia 69: 148-164. Je.1929. no.1/2.

Pilát, A.
Ueber eine neue interessante art aus der gattung Crepidotus Fries. Hedwigia 69: 137-147. illus. Je.1929. no.1/2.
C. carpaticus
Also notes on Caludopus

Reimers, H.
Beiträge zur bryophytenflora Neuguineas. Hedwigia 69: 114-136. Je.1929. no.1/2.

Schmidt, O. C.
Beiträge zur kenntnis der meeresalgen der Azoren I. Hedwigia 69: 95-113. illus. Je.1929. no.1/2.

Servit, M.
Flechten aus Jugoslavien. Hedwigia 69: 1-38. illus. Je.1929. no.1/2.

Hereditas (Lund)

Federley, H.
Ueber subletale und disharmonische chromosomenkombinationen. Hereditas 12: 271-293. Jl.31,1929. no.3.

Hereditas. (cont.)

Müntzing, A.
Cases of partial sterility in crosses within a Linnean species. Hereditas 12: 297-319. Jl.31, 1929. no.3.
Preliminary report.

Nilsson, E.
Erblichskeitsversuche mit Pisum. II. Die vererbung der rezessiv gelben kotyledonenfarbe sowie einige nebenresultate. Hereditas 12: 223-268. Jl.31,1929. no.3.

Nilsson, E.
Eine monohybride spaltung bei Tetragonolobus. Hereditas 12: 320-322. Jl.31,1929. no.3.

Tedin, O.
Contributions to the genetics of barley. III. Development of the lateral florets. Hereditas 12: 352-357. Jl.31,1929. no.3.

Turesson, G.
Ecotypical selection in Siberian Dactylis glomerata L. Hereditas 12: 335-351. illus. Jl.31, 1929. no.3.

Turesson, G.
Zur natur und begrenzung der arteinheiten. Hereditas 12: 323-334. Jl.31, 1929. no.3.
English summary: p.332-333.

Uddling, A.
Die chromosomenzahlen von drei Circaea-arten. Hereditas 12: 294-296. illus. Jl.31, 1929. no.3.
Circaea lutetiana, C. alpina, C. intermedia.

Winge, O.
Critical remarks to Y. Sinotc's paper on a tetrapartite sex chromosome complex in Humulus. Hereditas 12: 269-270. Jl.31,1929. no.3.

Indische Cult. (Soerbaja)

Kamerling, Z.
Tropische orchideen (concl.) Indische Cult. 14: 547-551. illus. Jl.1,1929. no.13.

Indische Cult. (cont.)

Oudschans Denz, F.
De geschiedenis van de koffie in Suriname.
Indische Cult. 14: 551-556. Jl.1,1929. no.13.

Journ. Agr. Prat. (Paris)

Brétignière, L.
Notes sur les blés dans le Tarn et la Haute-Garonne. Journ. Agr. Prat. n.s., 52: 29-31, 70-72. Jl.13,27, 1929. no.28, 30.

Lesourd, F.
Histoire des plantes. Navette (Brassica Napus sylvestris) Journ. Agr. Prat. n.s., 52: 73-75. illus. Jl.27, 1929. no.30.

Ponsard, J.
Les taches brunes de la pomme de terre. Journ. Agr. Prat. n.s., 52: 75. col. pl. Jl.27, 1929. no.30.
Alternaria solai. Rare in France.

Journ. Agr. Res. (Washington)

King, C. J., and Loomis, H. F.
Cotton root-rot investigations in Arizona. Journ. Agr. Res. 39: 199-221. illus. Ag.1, 1929.

Savastano, G. & Fawcett, H. S.
A study of decay in citrus fruits produced by inoculations with known mixtures of fungi at different constant temperatures. Journ. Agr. Res. 39: 163-198. illus. Ag.1, 1929. no.3.

Journ. Agr. Sci. (London)

Goodwin, W., Martin, H. and Salmon, E. S.
The fungicidal properties of certain spray-fluids. V. Journ. Agr. Sci. 19: 405-412. Jl.1929. no.3.

Owen, O.
The analysis of tomato plants. Pt.I. Journ. Agr. Sci. 19: 413-432. diagrs. Jl.1929. no.3.

Tattersfield, F. and Hobson, R. P.
Pyrethrin I and II. Their estimation in Pyrethrum (Chrysanthemum cinerariaefolium) II. Journ. Agr. Sci. 19: 432-437. Jl.1929. no.3.

Journ. Amer. Chem. Soc.

Link, K. P.
The chemical composition of corn (Zea mays). I-II. Journ. Amer. Chem. Soc. 51: 2506-2516, 2516-2522. Ag.1929. no.8.
I. The isolation of xylan and cellulose from the cell walls. II. The isolation of a dextrin similar to the trihexosan obtained by thermal depolymerization of potato starch.

Loesecke, H. von
Quantitative changes in the chloroplast pigments in the peel of bananas during ripening. Journ. Amer. Chem. Soc. 51: 2439-2443. diagrs. Ag.1929. no.8.

Journ. Arnold Arb.

Bingham, W.
The chromosomes of some species of the genus Philadelphus. Journ. Arnold Arb. 10: 167-169. Jl.1929. no.3.

Copeland, E. B.
Papuan pteridophytes collected for the Arnold Arboretum by L. J. Brass. Journ. Arnold Arb. 10: 174-182. Jl.1929. no.3.

Darker, G. D.
Cultures of Pucciniastrum americanum (Farlow) Arthur and P. arcticum (Lagerheim) Tranzschel. Journ. Arnold Arb. 10: 156-167. Jl.1929. no.3.

Hu, H. H.
Two new species of Carpinus from Szechuan. Journ. Arnold Arb. 10: 154-156. Jl.1929. no.3.
C. fangiana, C. wilsoniana.

Martelli, U.
The Pandanaceae collected for the Arnold Arboretum by L. J. Brass in New Guinea. Journ. Arnold Arb. 10: 137-142. pl.18. Jl.1929. no.3.

Rehder, A.
Two new rhododendrons of the Tsutsutsi section. Journ. Arnold Arb. 10: 182-184. Jl.1929.
Rh. annamense n.sp. & Rh. simsii var. mesembrinum, n.var.

Journ. Arnold Arb. (cont.)

Rehder, A.
Notes on the ligneous plants described by H. Léveillé from eastern Asia. Journ. Arnold Arb. 10: 184-196. Jl.1929. no.3.

Schweinfurth, C.
Orchids collected by J. F. Rock of the Arnold Arboretum Expedition to northwestern China and northeastern Tibet. Journ. Arnold Arb. 10: 169-174. Jl.1929. no.3.

Summerhayes, V.S.
Ficus species collected for the Arnold Arboretum in New Guinea by L. J. Brass. Journ. Arnold Arb. 10: 142-154. Jl.1929. no.3.

Journ. Bot. (London)

Baker, E. G.
New species of Leguminosae from tropical Africa. Journ. Bot. 67: 194-199. Jl.1929. no.799.

Bennett, A., Salmon, C. E. & Matthews, J. R.
Second supplement to Watson's "Topographical botany". (cont.) Journ. Bot. 67, (suppl.): 9-16. Jl.1929. no.799.

Drabble, E., and Salmon, C. E.
Veronica serpyllifolia L. var. nov. obscura. Journ. Bot. 67:213. Jl.1929. no.799.

Grove, W. B.
Fusidomus (pseudogenus novum, e nectrioideis). Journ. Bot. 67:201-203. Jl.1929. no.799.
F.arcus n.sp.

Lacaita, C. C.
Duriaei iter asturicum botanicum. (cont.) Journ. Bot. 67:207-211. Jl.1929. no.799.
Linaria perezii, Scrophularia scorodonia, S. alpestris.

Lacaita, C. C.
Three Genistas of the Linnaean herbarium. Journ. Bot. 67: 199-201. Jl.1929. no.799.
G. anglica, G. lusitanica and G. tridentata are of no value as type-specimens.

Journ. Bot. (cont.)

Rendle, B. J.
Economic mycology in the Empire overseas. Journ. Bot. 67:203-204. Jl.1929. no.799.

Salmon, C. E.
A new variety of Polygala serpyllifolia J. A. C. Hose (Serpyllacea Weihe). Journ. Bot. 67: 193-194. pl. 591. Jl.1929. no.799.
P. serpyllifolia var. decora.

Journ. Hered. (Washington)

Brink, R. A.
A red-to-white mutation in maize. A probable somatic mutation of the gene for red pericarp in maize. Journ. Hered. 20: 333-334. illus. Jl. 1929. no.7.

Cayeux, H.
Rosa gigantea and its hybrids. Journ. Hered. 20: 305-307. illus. Jl.1929. no.7.
Translation by Mrs. Franklin Harris.

Cook, O. F.
Saint Luther. A Burbank cult, with an account of [him] and his wonder-working methods of plant breeding. Journ. Hered. 20: 309-318. illus. Jl.1929. no.7.

Davies, P. A., and Bennett, E.
Abnormal branching in Ailanthus. Journ. Hered. 20: 348-349. illus. Jl.1929. no.7.
Regarded as a bud sport.

Morrison, B. Y.
Other gigantea hybrids. Journ. Hered. 20: 308. Jl.1929. no.7.
Supplementing Cayeux, H. Rosa gigantea and its hybrids.

Peebles, R. H.
Hairy bolls and nectaries in a hybrid cotton. Journ. Hered. 20:340-347. illus. Jl.1929. no.7.

Robinson, T. R., and Darrow, G. M.
A pink poinsettia chimera. Journ. Hered. 20: 335-339. illus. Jl.1929. no.7.

Journ. Hered. (cont.)
Weatherwax, P.
The morphological nature of teopod corn. Journ. Hered. 20:325-330. illus. Jl.1929. no.7.

Journ. N. Y. Bot. Gard.
Small, J. K.
The coconut-palm - Cocos nucifera. Journ. N. Y. Bot. Gard. 30: 194-203. illus. Ag. 1929. no.356

Steiner, G., and Dodge, B. O.
The bulb- or stem-nematode (Tylenchus dipsaci Kuhn) as a pest of phlox. Journ. N. Y. Bot. Card. 30: 177-184. illus. Ag.1929. no.356.

Stout, A. B.
The fulvous daylilies. II. The wild fulvous daylilies of the orient. Journ. N. Y. Bot. Gard. 30: 185-194. illus. Ag.1929. no.356.

Kosmos (Stuttgart)
Bronsart, H. von.
Innere heilbehandlung und küstliche ernährung von pflanzen. Kosmos 26: 269-273. illus. Ag. 1929. no.8.

Kranke Pflanze (Dresden)
Raven, G.
Misshandlung der tomatenpflanzen. Kranke Pflanze 6: 129-131. Jl.1929. no.7.

Lesnická Práce (Pisek, Moravia)
Růžička, J.
Je severoněmecké sosnové semeno v Čechách proti sypavce resistentnější než domácí? (Ist der norddeutsche kiefernsamen gegen die schütte in Böhmen widerstandsfähiger als der einheimische?) Lesnická Práce 8: 328-331. 1929. no.6.
Czechoslovakian with German summary.

Malayan Agr. Journ. (Kuala Lumpur)
Jack, H. W., and Sands, W. N.
Observations on the dwarf coconut palm in Malaya. Malayan Agr. Journ. 17: 140-165. illus., pl. i-vi. Je.1929. no.6.

Malayan Agr. Journ. (cont.)

Georgi, C. D. V.
Oil from Hydnocarpus anthelmintica. Malayan Agr. Journ. 17: 171-174. Je.1929. no.6.

Georgi, C. D. V.
Piqui-a fruit oils. Malayan Agr. Journ. 17: 166-170. Je.1929. no.6.
Piqui-a or Caryocar villosum.

Medd. Permanent. Komm. Fruktodlingsförs. (Stockholm)

Johansson, E.
Undersökningar av pollenets beskaffenhet hos fruktsorter. (Studies in pollen quality of fruit trees.) Medd. Permanent Komm. Fruktodlingsförs. no. 16. 14 p. 1929.
English summary: p. 13-14.

Johansson, E.
Besprutningsförsök mot skorv på äpple- och päronträd vid Alnarp 1928. Medd. Permanent. Komm. Fruktodlingsförs. no.17. 7 p. illus. 1929.

Mem. Bot. Surv. So. Africa (Pretoria)

Muir, J.
The vegetation of the Riversdale area, Cape Province. Mem. Bot. Surv. So. Africa no.13. 82 p. map (fold.) 1929.

Mitt. Schweiz. Centralanst. Forstl. Versuchsw.

Burger, H.
Holz, blattmenge und zuwachs. I. Mitt. Schweiz. Centralanst. Forstl. Versuchsw. 15: 242-292. tables, diagrs. 1929. no.2.
I. Die Weymouthsföhre.

Möller's Deut. Gartn.-Zeit. (Erfurt)

Emmerich, B.
Die elektrizität im gartenbau. Möller's Deut. Gartn-Zeit. 44: 249-251. illus. Jl.21,1929. no.21.

Nature. (London)

Hill, A. W.
The original home and mode of dispersal of the coconut. Nature 124: 133-134, 151-153. illus. Jl.27,1929. no.3117.

La-Cour, L.
New fixtives for plant cytology. Nature 124: 127. Jl.27,1929. no.3117.

Nature Mag. (Washington, D.C.)

Haskin, L. L.

A frontier food. Ipo, or yampa, sustained the pioneers. Nature Mag. 14: 171-172. illus. S.1929(Rec'd Ag.9) no.3.

Fruit of three species of Umbelliferae: Carum Kelloggii, C. gairdneri and C. oreganum, used by Klamath Indians, who originally called it "kash".

Preble, E. A.

A persistent bracket fungus. It determines to grow horizontally. Nature Mag. 14:173. illus. S.1929. (Rec'd Ag.9) no.3.

Fomes applanatus.

Nuovo Giorn. Bot. Ital. (Firenze)

Campbell, C.

Sulla sistematica dei frumenti coltivati (nota preventiva) Nuovo Giorn. Bot. Ital. n.s., 36: 145-159. Jl.8,1929. no.2.

Chiarugi, A.

La presenza in Sardegna di elementi paleoxilologici sahariani. Nuovo Giorn. Bot. Ital. n.s., 36: 254-258. map. Jl.8,1929. no.2.

Chiarugi, A.

Ulteriori ricerche sulla "Romulea Requienii" del littorale toscano: "Romulea Requienii" Parl. var. "etrusca" var. nova. Nuovo Giorn. Bot. Ital. n.s., 36: 191-202. map. Jl.8,1929. no.2.

Fiori, A.

Località nuove di piante italiane. Nuovo Giorn. Bot. Ital. n.s., 36: 160-162. Jl.8,1929. no.2.

Marcello, A.

Sulla interpretazione di alcuni casi teratologici nelle inflorescenze di "Zea Mais". Nuovo Giorn. Bot. Ital. n.s., 36: 163-190. pl.xiii. Jl.8,1929. no.2.

Pampanini, R., and Chiarugi, A.

[Lilium chalcedonicum L. in Toscana: avventizio o spontaneo?] Nuovo Giorn. Bot. Ital. n.s., 36: 262-264. Jl.8,1929. no.2.

Nuovo Giorn. Bot. Ital. (cont.)

Pampanini, R.
Varietà e forme della "Ifloga spicata" Schultz-Bip. Nuovo Giorn. Bot. Ital. n.s., 36: 242-248. Jl.8,1929. no.2.
Ifloga spicata f. tomentosa, n.form; f. ammophila, n.comb.; var. Labillardieri, n.var.

Ponzo, A.
La sinfillia nelle monocotiledoni. Nuovo Giorn. Bot. Ital. n.s., 36: 203-241. illus. Jl.8,1929. no.2.

Provasi, T.
Ricerche preliminari intorno alla vegetazione del delta padano. Nuovo Giorn. Bot. Ital. n.s., 36: 249-253. Jl.8,1929. no.2.

Pharm. Acta Helvet. (Zurich)

Guyot, H.
Le pavot somnifère dans l'art musulman ancien. Pharm. Acta Helvet. 4: 49-50. illus. Ap.27,1929.

Häfliger, J. A.
Zwei Baslerische apotheker-stammbücher. Pharm. Acta Helvet. 4:115-120. illus. Jl.27,1929. no.7.
The album of Emanuel Ryhiner (1592-1635) pharmacist of Basel, begun in 1612, and one of Johann Rudolf Brandmuller, last of a family of apothecaries of the name, kept during the last quarter of the 18th and first part of the 19th centuries.

Torricelli, A.
Studio sperimentale sulla coltura di piante medicinale nel Cantone Ticino (parte meridionale) (concl.) Pharm. Acta Helvet. 4: 105-115. Jl.27,1929. no.7.

Phytopath. Zeitschr. (Berlin)

Buchard, G.
Beiträge zur kenntnis parasitischer pilze. Phytopath. Zeitschr. 1: 277-315. illus. 1929. no.3.
Moniliopsis klebahni, die ursache des umfallens der koniferenkeimlinge. - Didymella applanta, der erreger der himbeerrutenkrunkheit. - Versuche mit Sclerotinia tuberosa, als schädling der Anemone nemorosa. - Stachybotrys klebahni.

Phytopath. Zeitschr. (cont.)

Eriksson, J.
An effective control of plant diseases - a great economic world problem. Phytopath. Zeitschr. 1: 361-365. 1929. no.3.

Gassner, G., and Straib, W.
Experimentelle untersuchungen über das verhalten der weizensorten gegen Puccinia glumarm. Phytopath. Zeitschr. 1: 215-275. illus. 1929. no.3.

Rosenstiel, K. von
Untersuchungen über die widerstandsfähigkeit von haferarten und -sorten gegen haferflugbrand [Ustilago avenae (Pers.) Jens.] und ihre vererbung. Phytopath. Zeitschr. 1: 317-360. illus. 1929. no.3.

Planta Arch. Wiss. Bot. (Berlin

Beliakov, E.
Von den schwankungen im verlauf der photosynthese Planta Arch. Wiss. Bot. 8:269-286. Jl.12,1929. no.1/2.

Cholodny, N.
Zur kenntnis der eisenbakterien aus der gattung Gallionella. Planta Arch. Wiss. Bot. 8: 252-268. illus. Jl.12,1929. no.1/2.

Dostál, R.
Ueber holokarpie bei den caulerpaceen. Planta Arch. Wiss. Bot. 8: 84-139. illus. Jl.12,1929. no.1/2.

Eisler, M. and Portheim, L.
Weitere untersuchungen über die nikotinvergiftung von fruchten und samen. Planta Arch. Wiss. Bot. 8: 1-26. Jl.12,1929. no.1/2.

Köhler, E.
Beiträge zur kenntnis der vegetativen anastomosen der pilze. I. Planta Arch. Wiss. Bot. 8: 140-153. illus. Jl.12,1929. no.1/2.

Kostychev, S.P., and Berg, V. A.
Die form der calciumverbindungen in lebenden pflanzengeweben. Planta Arch. Wiss. Bot. 8: 55-67. Jl.12,1929. no.1/2.

Planta Arch. Wiss. Bot. (cont.)

Meyer, K. I.
Die entwicklung des sporogons bei Fegatella conica. (Untersuchungen über den sporophyt der lebermoose IV.) Planta Arch. Wiss. Bot. 8: 36-54. illus. Jl.12,1929. no.1/2.

Mirskaja, L.
Ueber regenerationsvorgänge an vegetationspunkten von Tradescantia guianensis. Planta Arch. Wiss. Bot. 8: 27-35. illus. Jl.12,1929. no.1/2.

Richter, S.
Ueber den öffnungsmechanismus der antheren bei einigen vertretern der angiospermen. Planta Arch. Wiss. Bot. 8:154-184. illus. Jl.12,1929. no.1/2.

Schwarz, W.
Zur physiologischen anatomie der fruchtstiele schwerer fruchte. Planta Arch. Wiss. Bot. 8: 185-251. illus. Jl.12,1929. no.1/2.

Stälfelt, M. G.
Die abhängigkeit der spaltöffnungsreaktionen von der wasserbilanz. Planta Arch. Wiss. Bot. 8: 287-340. illus. Jl.12,1929. no.1/2.

Zacharowa, T. M.
Ueber den gasstoffwechsel der nadelholzpflanzen im winter. Planta Arch. Wiss. Bot. 8: 68-83. Jl.12,1929. no.1/2.

Plant. & Sugar Manuf. (New Orleans)

Cook, M. T.
The eye spot disease of sugar cane. Plant. & Sugar Manuf. 83: 101-102. Ag.10,1929. no.6.

Davis, R. L.
Java-Barbados hybrids in Porto Rico. Plant. & Sugar Manuf. 83: 103-104. illus. Ag.10,1929. no.6.

Plant. Chron. (Madras, India)

The control of root diseases of the tea plant. Plant. Chron. 24: 574-578, 601-608. Jl.6,13,1929. no.27.
United Planters' Assoc. South. India tea specialist's reports.

Proc. Amer. Phil. Soc. (Philadelphia)

Harshberger, J. W.
The vegetation of Campos de Jordao, Brazil. Proc. Amer. Phil. Soc. 68: 83-92. illus. 1929. no.2.

True, R. H.
A sketch of the life of John Bradbury, including his unpublished correspondence with Thomas Jefferson. Proc. Amer. Phil. Soc. 68: 133-150. 1929. no.2.

Repert. Spec. Nov. Beih. (Dahlem)

Kränzlin, F.
Beiträge zur kenntnis der familie der Myoporinae R. Br. mit besonderer berücksichtigung der Myoporinus plants of Australia, Tome II - Lithograms, von Baron Ferd. von Müller. Repert. Spec. Nov. Beih. 54. 129 p. My. 20,1929.

Schlechter, R.
Figuren-atlas zu den orchideenfloren der südamerikanischen kordillerenstaaten... hrsg. von R. Mansfeld. Repert. Spec. Nov. Beih. 57. 48 pl. 1929.

Rep. Dept. Agr. Bermuda.

Cunningham, H. S.
Report of plant pathologist. Rep. Dept. Agr. Bermuda 1928: 26-28. 1929.
Black-tip of banana (Cercospora musarum), Septoria blight of celery, fig rust (Cerotelium fici), twig blight of periwinkle (Gloeosporium sp.)

Rev. Agric. Ile. Réunion (Saint-Denis)

Jiren, J. M. J.
Transformations chimiques se produisant durant la maturation de la canne à sucre. Rev. Agric. Ile Réunion 17: 151-155. My.1929. (Rec'd Ag.) no.5.

Rev. Hort. (Paris)

Guillaumin, A.
Nouveaux phalaenopsis cultivés. Rev. Hort. 101: 484-485. Jl.16,1929. no.19.

Lesourd, F.
Les plus gros arbres de France. Rev. Hort. 101: 476-477, illus. Jl.16,1929. no.19.
Pterocarya caucasica, Cladrostis tinctoria, Pavia lutea, Pavia californica.

Rev. Hort. (cont.)

Mottet, S.
Le pin de la corée. (Pinus koraiensis) Rev. Hort. 101: 479-480. illus. Jl.16,1929. no.19.

Roux, J.
Quelques observations sur les cactées et les plantes grasses à propos de l'hiver 1928-1929. Rev. Hort. 101: 471-473. illus. Jl.16,1929. no.19.

Rev. Vitic. (Paris)

Astruc, H.
Traitements d'été contre le mildiou. Rev. Vitic. 71: 73-76. Ag.1,1929. no.1831.

Marsais, P.
Contre les traitements tardifs des grappes à proteger du mildiou et des vers. Rev. Vitic. 71: 69-73. Ag.1,1929. no.1831.

Rhodesia Agr. Journ. (Salisbury)

H[opkins], J. C.
The few brown kernels in your maize seed. Rhodesia Agr. Journ. 26: 694-696. Jl.1929. no.7.
Discoloration due to Diplodia.

Timson, S. D.
Sunn hemp (Crotalaria juncea) Rhodesia Agr. Journ. 26: 668-682. 3 pls. Jl.1929. no.7.

Schweiz. Zeitschr. Obst- u. Weinb. (Wädenswil)

Osterwalder, A.
Winterfrostschaden an reben und obstbäumen in der mittleren Zürichseegegend. Schweiz. Zeitschr. Obst- u. Weinb. 38: 281-289. illus. Jl.27,1929. no.15.

Science (Lancaster,Pa.)

Conant, J. B., and Hyde, J. F.
The relationship of chlorophyll to the porphyrins. Science n.s., 70: 149. diagr. Ag.9,1929. no.1806.

Giddings, N.J., and Leonian, L. H.
Apple rust on host tissue in culture dishes. Science 70: 126. Ag.2,1929. no.1805.

Science. (cont.)

Harding, P. L., Maney, T.J., and Plagge, H.H.
Apparatus for the determination of carbon dioxide in the respiration of apples. Science 70: 125-126. illus. Ag.2,1929. no.1805.

Lambert, E. B.
Normal mushrooms from artificial manure. Science 70: 126-128. Ag.2,1929. no.1805.

Scient. Agr. (Ottawa)

Humphrey, H. B.
The relation of cereal pests to changes in crop practice. Scient. Agr. 9:783-791. Ag.1929. no.12.

Sver. Utsadesför. Tidskr. (Svålof)

Nilsson-Leissner, G., and Sylvén, N.
Studier over klöverrötan (Sclerotinia trifoliorum). Sver. Utsadesför. Tidskr. 39: 130-158. illus. 1929. no.3.

Torreya

Benedict, R.C.
Fern Hunting at Branchville. Torreya 29: 108-110. Jl./Ag.1929. no.4.

Cockerell, T. D.
The evolution and classification of roses. Torreya 29: 97-103. Jl./Ag.1929. no.4.

Emmons, C. W.
The cytology of Cicinnobolus cesatii DeBary. Torreya 29: 117. Jl./Ag.1929. no.4.

Gibbs, R. D.
The trap of Utricularia. Torreya 29: 85-96. pl.1-2. Jl./Ag.1929. no.4.

Torrey, R. H.
Vagnera stellata growing in dune sand. Torreya 29: 114-115. Jl./Ag.1929. no.4.
In Sunken Meadow state park on Long Isl.

Wherry, E. T.
Three shale-slope plants in Maryland. Torreya 29: 104-107. illus. Jl./Ag.1929. no.4.
Trifolium virginicum, Convolvulus stans, Senecio antennariifolius.

Zimmerman, P. W.
Special phases of vegetative plant propogation. Torreya 29: 118-120. Jl./Ag.1929. no.4.

Tropenpfl. (Berlin)
Schwede, R., and Tobler, F.
Die sogenannte "künstliche baumwolle" von Dr. Hedley Thornton. Tropenpfl. 32: 292-298. Jl. 1929. no.7.

Trop. Agriculture West Indies (Trinidad)
Dowson, V. H. W.
Agriculture in North Africa. Trop. Agriculture West Indies 6: 220-223. map. Ag.1929. no.8.

U. S. Dept. Agr. Circ.
Cowgill, H. B.
Varietal standardization of sorgo and the selection of seed. U. S. Dept. Agr. Circ. 52. 22 p. illus. Je.1929(Rec'd Ag.)

Gilbert, W. W.
Chemical injury to watermelons in transit. U. S. Dept. Agr. Circ. 74. 9 p. illus. Jl.1929.

U. S. Dept. Agr. Techn. Bull.
Spaulding, P.
Decay of slash of northern white pine in southern New England. U. S. Dept. Agr. Techn. Bull. 132. 20 p. illus. Jl.1929(Rec'd Ag.)

Univ. Iowa Studies Nat. Hist. (Iowa City)
Martin, G. W.
Dinoflagellates from marine and brackish waters of New Jersey. Univ. Iowa Studies Nat. Hist. v.12, no.9. 32 p. viii pl. Je.15,1929.

Vie Agr. et Rur. (Paris)
Diffloth, P.
La culture des champignons à la ferme. Vie Agr. et Rur. 18: 56-59. illus. Jl.28,1929. no.30.

Zeitschr. Bot. (Jena)
Liebisch, W.
Experimentelle und kritische untersuchungen über die pektinmembran der diatomeen unter besonderer berücksichtigung der auxosporenbildung und der kratikularzustände. Zeitschr. Bot. 22: 1-65. illus. pl.1,(col.) 1929. no.1/2.

V.11, no.17, p.27.

Tropenpfl. (Berlin)
Schwede, R., and Tobler, F.
Die sogenannte "kunstliche baumwolle" von Dr. Hedley Thornton. Tropenpfl. 32: 292-298. Jl. 1929. no.7.

Trop. Agriculture West Indies (Trinidad)
Dowson, V. H. W.
Agriculture in North Africa. Trop. Agriculture West Indies 6: 220-223. map. Ag.1929. no.8.

U. S. Dept. Agr. Circ.
Cowgill, H. B.
Varietal standardization of sorgo and the selection of seed. U. S. Dept. Agr. Circ. 52. 22 p. illus. Je.1929(Rec'd Ag.)

Gilbert, W. W.
Chemical injury to watermelons in transit. U. S. Dept. Agr. Circ. 74. 9 p. illus. Jl.1929.

U. S. Dept. Agr. Techn. Bull.
Spaulding, P.
Decay of slash of northern white pine in southern New England. U. S. Dept. Agr. Techn. Bull. 132. 20 p. illus. Jl.1929(Rec'd Ag.)

Univ. Iowa Studies Nat. Hist. (Iowa City)
Martin, G. W.
Dinoflagellates from marine and brackish waters of New Jersey. Univ. Iowa Studies Nat. Hist. v.12, no.9. 32 p. viii pl. Je.15,1929.

Vie Agr. et Rur. (Paris)
Diffloth, P.
La culture des champignons à la ferme. Vie Agr. et Rur. 18: 56-59. illus. Jl.28,1929. no.30.

Zeitschr. Bot. (Jena)
Liebisch, W.
Experimentelle und kritische untersuchungen über die pektinmembran der diatomeen unter besonderer berücksichtigung der auxosporenbildung und der kratikularzustande. Zeitschr. Bot. 22: 1-65. illus. pl.1,(col.) 1929. no.1/2.

Zeitschr. Pilzk. (Leipzig)

John, A.
Vergiftung mit Amanita pantherina, dem echten pantherpilz. Zeitschr. Pilzk. 13(n.s.8): 99-102. Jl.25,1929. no.7.

Killermann, S.
Abate Dr. G. Bresadola. Zeitschr. Pilzk. 13(n.s.8): 98-99. Jl.25,1929. no.7.

Killermann, S.
Bulliard und Sowerby. Zeitschr. Pilzk 13(n.s.8): 102-108. Jl.25,1929. no.7.

Der Züchter (Berlin)

Appel, O.
Kurt vom Rümker zum 70 geburtstage. Der Zuchter 1: 126-128. Jl.1929. no.4.

Brieger, F.
Die selbststerilität der blütenpflanzen und ihre züchterische bedeutung. Der. Züchter 1: 101-111. illus. Jl.1929. no.4.

Wettstein-Westersheim, W. von
Zur technik der kunstlichen kreuzung bei weiden (Salix). Der Züchter 1: 125-126. illus. Jl.1929. no.4.

Exper. Stat. Publ.

LeClerg, E. L.
Some common diseases of ornamental plants. Colorado Agr. Exp. Stat. Bull. 351. 31 p. illus. My.1929 (Rec'd Ag.)

Rogers, C. F., and Hatfield, I.
Carbon disulfide for the eradication of perennial weeds. Colorado Agr. Exp. Stat. Bull. 347. 22 p. illus. My.1929 (Rec'd Ag.)
A progress report

Wiant, J. S.
The Rhizoctonia damping-off of conifers, and its control by chemical treatment of the soil. Cornell Agr. Exp. Stat. Mem. 124. 64 p. illus., vi pl. Ap.1929 (Rec'd Jl.)

Exper. Stat. Publ. (cont.)

Krantz, F. A., & Hutchins, A. E.
Potato breeding methods. II. Selection in inbred lines. Minnesota Agr. Exp. Stat. Bull. 58. 23 p. 3 pl. Ap.1929 (Rec'd Ag.)

Fite, A. B., and Garcia, F.
Plum variety test. New Mexico Agr. Exp. Stat. Bull. 174. 30 p. illus. Mr.1929 (Rec'd Ag.)

Tukey, H. B.
Seedling fruit stocks. New York Agr. Exp. Stat. Bull. 569. 18 p. illus. Ap.1929.

Poole, R. F.
Sweet potato diseases. Ann. Rep. North Carolina Agr. Exp. Stat. 1927/28. 51: 63-65. 1929.
Diseases in storage and transit with reference to chemical treatment; causal organisms (Fusarium spp.); limiting factors of fungus growth; prevention of field infection of Fusarium batatis; disinfection studies.

State Publications.

Fairchild, D.
The proposed national park in southern Everglades of Florida. Bull. Florida Dept. Agr. (Suppl. Bull.) n.s. no.17. 20 p. 1929.
Address at annual meeting Amer. For. Assoc. F.28,1929.

Scott, J. M.
Florida mangoes. Bull. Florida Dept. Agr. n.s. no.20. 31 p. illus. Mr.1929.

Scott, J. M.
Tung oil. A new industry in Florida. Bull. Florida Dept. Agr. n.s., no.11. 33 p. illus. (1 col.) Ja.1929.

Toy, L. R.
Avocados in Florida. Bull. Florida Dept. Agr. n.s. no.24. 39 p. illus. Ap.1929.

New Books.

Becking, J. H.
De djaticultuur op Java. Een vegelijkend onderzoek naar de uitkomsten von verschillende verjongingsmethoden van den djati op Java ... Wageningen, 1928.

New Books. (cont.)

Löw, I.
Die flora der Juden. 1.bd., 2.hälfte. Convolvulaceae-Graminaceae. Wien und Leipzig, R. Löwit, 1928 (Rec'd Jl.1929)

Nakai, T.
Flora sylvatica koreana pt. XVII. Elaeagnaceae, Alangiaceae, Daphnaceae, Flacourtiaceae et Ternstroemiaceae. Keijyo, D. 1928 (Rec'd Ag.1929)

North American flora. Fabaceae, Galegae (pars)
P. A. Ryderg. v.24, pt.7. Jl.26,1929.

Nova Guinea. Résultats des expéditions scientifiques à la Nouvelle Guinée, publiées sous la direction de ... L.F. de Beaufort, ... A.A. Pulle et L. Rutten. v.14. Botanique, livr.3 (Orchidaceae, by J.J. Smith) Leide, E. J. Brill, 1929.

Schneider, W.
Zur biochemie des Penicillium glaucum. Ein beitrag zur frage nach der bedeutung der H-ionenkonzentration, der nährstoffkonzentration und nach der wirkung von eisen als katalysator ... Weida i. Thür., Druck von Thomas & Hubert, 1928 (Rec'd Jl. 1929)

Shelford, V. E.
Laboratory and field ecology. The responses of animals as indicators of correct working methods. Baltimore, Williams & Wilkins co., 1929.

Simeon, U.
Samenbildung und samenverbreitung bei den in der Schweiz unterhalb der waldgrenze wachsenden pflanzen... Luzern, E. Brunner-Schmid, 1928(Rec'd Jl.1929)

Sinnott, E. W.
Botany; principles and problems. 2d ed. New York, McGraw-Hill book co., 1929.

New Books, (cont.)

Stevenson, N.I.
A pocket guide to twenty tropical trees cultivated in southern Florida. [Fayette, Ia., 1928]

Wall, O. A.
Handbook of pharmacognosy rev. by Leo Suppan 5th ed. St. Louis, C. V. Mosby company, 1928.

Reprints from Journals not yet rec'd.

Beiträge zur kenntnis der afrikanischen flora XXXIV. Vierteljahrsschr. Naturf. Ges. Zürich 74: 99-138. illus. 1929.
Musci, I.Thériot, p.99-100; Orchidaceae, Fr. Kränzlin, p.100-110; Caryophyllaceae, H. Schinz, p. 110-111; Cruciferae, A. Thellung, p.111-113; Scrophulariaceae, H. Schinz, p.113-123; Compositae, A. Thellung, p.124-130; Plectrachne, a new genus of grasses, J. Th. Henrard, p.130-134; Orchidaceae quaedam novae, Fr. Kränzlin, p.134-138.
Reprinted as Mitt. Bot. Mus. Univ. Zürich, 130, pt.II. Ap.6,1929.

Däniker, A. U.
Neu-Caledonien, land und vegetation. Vierteljahrsschr. Naturf. Ges. Zürich 74: 170-197. illus. 1929.
Reprinted as Mitt. Bot. Mus. Univ. Zürich, 131. Je.30,1929.

Ergebnisse der reise von Dr. A. U. Däniker nach Neu-Caledonien und den Loyalitätsinseln (1924/25) Vierteljahrsschr. Naturf. Ges. Zürich 74: 50-98. illus. 1929.
Neu-Caledonische flechten, E. A. Wainio, p.50-52; Neu-Caledonische laubmoose, I. Thériot, p.52-55; On some ferns from New Caledonia, C. Christensen, p.55-62; Neu-Caledonische orchidaceen, F. Kranzlin, p.62-98.
Repr. as Mitt. Bot. Mus. Univ. Zürich, 130, pt.I Ap.6,1929.

Henrard, J. Th.
Plectrachne, a new genus of grasses. Vierteljahrsschr. Naturf. Ges. Zurich 74: 130-134. illus.
Plectrachne Schinzii, n. sp.
Reprinted in Mitt. Bot. Mus.Univ. Zurich, no. 130. Ap.6,1929.

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C

Vol. 11, no. 18. August 19-31,1929.

Amer. Journ. Pharm. (Philadelphia)

Chen, S.Y.

Illicium relgiosum, Siebold. A phytochemical study. Amer. J arn. Pharm. 101: 550-574. illus. Ag. 1929. no.8.

Anal. Soc. Cient. Arg. (Buenos Aires)

Dassen, C.C.

Spegazzini. Homenaje de la Sociedad Cientifica Argentina y de sus Anales a la memoria del eminente botánico y digno socio honorario. Anal. Soc. Cient. Arg. 58: 5-6. Jl.1929. no.1.

Molfino, J.F.

Carlos Spegazzini: su vida y su obra. Anal. Soc. Cient. Arg. 58: 7-77. illus., ports. Jl. 1929. no.1.

Lista de las publicaciones...aparecidas entre los años 1919 y 1926, y complemento de la lista anterior, dada en el tomo lxxxviii de estos "Anales"; p.66-74.

Trabajos postumos: p.74.

Biobibliografía: p.74-77.

Molfino, J.F.

Monocotiledóneas nuevas para la Argentina. IV. Anal. Soc. Cient. Agr. 108: 90-131. illus. Jl.1929. no.1.

Molfino, J.F.

Novedades micologicas Argentinas. Anal. Soc. Cient. Arg. 108: 132-138. illus. Jl.1929. no.1.

Molfino, J.F.

Una nueva especie de Agonandra. Anal. Soc. Cient. Arg. 108: 139-142. illus. Jl.1929. no.1.

A. Spegazzinii.

Senet, R.

La personalidad del Doctor Carlos Spegazzini. Anal. Soc. Cient. Arg. 108: 78-81. Jl.1929. no.1.

Anal. Soc. Cient. Arg. (cont.)
Spegazzini, C.
Nuevas orientaciones de la nosologia vegetal.
Anal. Soc. Cient. Arg. 108: 82-89. Jl.1929. no.1.

Angew. Bot. (Berlin)
Bortels, H.
Biokatalyse und reaktionsempfindlichkeit bei niederen und höheren pflanzen. Angew. Bot. 11: 285-332. My./Je.1929. no.3.

Döring, H.
Zur kenntnis der knöllchensucht. Angew. Bot. 11: 246-267. illus. My./Je.1929. no.3.

Larionow, D.
Zur frage über den phylogenetischen zusammenhang zwischen zweizeiliger und vielzeiliger gerste (Hordeum sat. distichum L. und H.v. polystichum Doll.) Angew. Bot. 11: 274-285. illus. My./Je.1929. no.3.

Loew, O. & Merkenschlager, F.
Ueber die resistenz der maiswurzel gegen magnesiumsalze. Angew. Bot. 11: 268-273. illus. My./Je. 1929. no.3.

Stapp, C.
Zur bekämpfung der mauke der reben. Angew. Bot. 11: 333-341. illus. My./Je.1929. no.3.

Ann. Appl. Biol. (London)
Barritt, N.W.
Some properties of the cell-wall of cotton-hairs. Ann. Appl. Biol. 16: 438-443. illus. Ag.1929. no.3.

Mackenzie, D., Salmon, E.S., Ware, W.M., & Williams, R.
The mosaic disease of the hop. II. Grafting experiments. Ann. Appl. Biol. 16: 361-381. illus. Ag. 1929. no.3.

Martin, M.S.
Additional hosts of Synchytrium endobioticum (Schilb.)Perc. Ann. Appl. Biol. 16: 422-429. pl. 18-19. Ag.1929. no.3.

Ann. Appl. Biol. (cont.)

Owen, O.
The effect of copper sulphate on tomato plants. Ann. Appl. Biol. 16: 430-437. Ag.1929. no.3.

Panisset, T.E.
Laldinia concentrica attacking the wood of Fraxinus excelsior. Ann. Appl. Biol. 16: 400-421. illus. Ag.1929. no.3.
Wood known as "calico-wood".

Smith, K.M.
Studies on potato virus diseases. VI. Further experiments with the virus of a potato mosaic upon the tobacco plant. Ann. Appl. Biol. 16: 382-399. illus. pl.14-17. Ag.1929. no.3.

Thomas, M.
The production of ethyl alcohol and acetaldehyde by apples in relation to the injuries occurring in storage. Ann. Appl. Biol. 16: 444-457. pl.xx. Ag.1929. no.3.
I. Injuries to apples occurring in the absence of oxygen and in certain mixtures of carbon dioxide and oxygen.

Waterston, J.
Prof. J. Ritzema Bos, 1850-1928. Ann. Appl. Biol. 16: 483-485. pl.xxi. Ag.1929. no.3.

Ann. Bot. (London)

Arber, A.
Studies in the Gramineae. VII. On Hordeum and Pariana, with notes on "Nepaul barley". Ann. Bot. 43: 507-533. illus. Jl.1929. no.171.

Banerji, I.
The chromosome numbers of Indian cottons. Ann. Bot. 43: 603-607. Jl.1929. no.171.

Barritt, N.W.
The structure of the seed coat in Gossypium and its relation to the growth and nutrition of the lint hairs. Ann. Bot. 43: 483-489. illus. Jl.1929. no.171.

Ann. Bot. (cont.)

Boodle, L.A., & Hill, A.W.
Typhonodorum lindleyanum: the development of the embryo and germination of the seed. Ann. Bot. 43: 437-450. illus. pl.xi. Jl.1929. no.171.

Corner, E.J.H.
A humariaceous fungus parasitic on a liverwort. Ann. Bot. 43: 491-505. illus. Jl.1929. no.171.
Neotiella crozalsiana.

Duerden, H.
Variations in megaspore number in Selaginella. Ann. Bot. 43: 451-457. illus. Jl.1929. no.171.

Horne, A.S. & Gupta, S.N.Das
Studies in the genera Cytosporina, Phomopsis, and Diaporthe. Ann. Bot. 43: 417-435, illus. Jl.1929. no.171.
I. On the occurrence of an "ever-saltating" strain in Diaporthe.

Li, T.T.
The immediate effect of change of light on the rate of photosynthesis. Ann. Bot. 43: 587-601. illus. Jl.1929. no.171.

Madge, M.A.P.
Spermatogenesis and fertilization in the cleistogamous flower of Viola odorata, var. praecox, Gregory. Ann. Bot. 43: 545-577. illus. pl. xii. Jl.1929. no.171.

Ramchandani, J.C.
Saltations in bacteria. II. Bacillus prodigiosus. Ann. Bot. 43: 579-586. pl. xiii. Jl.1929. no.171.

Saunders, E.R.
On carpel polymorphism. III. Ann. Bot. 43: 459-481. illus. Jl.1929. no.171.

Saxton, W.T.
Notes on conifers. II. Some points in the morphology of Larix europaea DC. Ann. Bot. 43: 609-613. illus. Jl.1929. no.171.

Ann. Bot. (cont.)
White, P.R.
Mycorrhiza as a possible determining factor in the distribution of the strawberry. Ann. Bot. 43: 535-544. illus. Jl.1929. no.171.

Ann. Tech. Agr. (Rome)
Casella, D.
I cerchi legnosi nel genere Salix. Ann. Tecn. Agr. 1/2: 513-515. Jl.1,1929. no.5.

Mencacci, M.
Alcune osservazioni intorno ai danni prodotti dai freddi tardivi sul frumento nell'agro romano. Ann. Tecn. Agr. 1/2:533-544. Jl.1, 1929. no.5.

Rivera, V. & Corneli, E.
Ricerche sullo sviluppo delle ruggini sul frumento in agro di Perugia. Ann. Tecn. Agr. 1/2: 545-588. Jl.1, 1929. no.5.
Mentions organisms P.graminis, P.glumarum, and P.triticina.

Tallarico, G.
Predeterminzaione funzionale e memoria somatica. Ann. Tecn. Agr. 1/2: 589-597. Jl.1, 1929. no.5.
I. Nel campo della biologia vegetale, p.589-593; II. Nel campo della biologia animale, p.593-596.

Vivoli, G.
Gli anticrittogamici contro la carie ed il carbone dei cereali dal punto di vista della loro influenza sul potere germinativo delle cariossidi. Ann. Tecn. Agr. 1/2: 614-630. Jl.1, 1929. no.5.

Arch. Pharm. & Ber. Deut. Pharm. Ges. (Berlin)
Kinzel, W.
Die samen des erdballs, ihr werden und ihr vergehen. Arch. Pharm. & Ber. Deut. Pharm. Ges. 267: 455-465. Je.1929. no.6.

Ber. Deut. Bot. Ges. (Berlin)
Blochwitz, A.
Schimmelpilze als pflanzenparasiten. Ber. Deut. Bot. Ges. 47: 351-356. Jl.25, 1929. no.6.

Ber. Deut. Bot. Ges. (cont.)

Christiansen, W.
Das menotoxinproblem und die mitogenetischen strahlen. Ber. Deut. Bot. Ges. 47: 357-370. illus. Jl.25, 1929. no.6.

Gistl, R.
Die quellung von equisetumsporen in kulturflüssigkeiten verschiedenen osmotischen druckes. Ber. Deut. Bot. Ges. 47: 401-408. Jl.25, 1929. no.6.

Hamorak, N.
Das offene potometer. Ber. Deut. Bot. Ges. 47: 371-385. illus. Jl.25, 1929. no.6.

Hüttig, C.
Untersuchungen an fluoresierenden bakterien aus wasser, erde und pflanzen. Ber. Deut. Bot. Ges. 47: 395-400. Jl.25, 1929. no.6.

Kolbe, R.W. & Tiegs, E.
Zur mesohaloben diatomeenflora des Werragebietes. Ber. Deut. Bot. Ges. 47: 408-420. illus., pl. vii. Jl.25, 1929. no.6.
Vorlaufige mitteilung.

Kuhn, E.
Die beziehung der chromocentren zur chromosomenbildung. Ber. Deut. Bot. Ges. 47: 420-430. illus. Jl.25,1929. no.6.

Rybin, (W) Vladimir.
Ueber einen allotetraploiden bastard von Nicotiana tabacum x N.sylvestris. Ber. Deut. Bot. Ges. 47: 385-394. illus., pl. vi. Jl.25, 1929. no.6.
Vorlaufige mitteilung.

Biol. Zentralbl. (Leipzig)

Gurwitsch, A.
Die mitogenetische strahlung aus den blättern von Sedum (latifolium) Eine erwiderung an G. Haberlandt. Biol. Zentralbl. 49: 499-451. 1929. no.8.

Biol. Zentralbl. (cont.)

Ivanov, L.A.

Die sonnenstrahlung als faktor der pflanzengeographie und oekologie. Biol. Zentralbl. 49: 493-509. 1929. no.8.

Blumen u. Pflanenb. (Berlin)

Gleisberg, W.

Bodensäure und erikenkultur. Blumen. u. Pflanzenb. 44: 143-145. illus. Ag.7, 1929. no.8.

Erica gracilis.

Glindemann, F.

Ein versuch zur bekämpfung der aelchenkrankheit an den chrysanthemen. Blumen u. Pflanzenb. 44: 149. Ag.7, 1929. no.8.

Meyer, F.

Paeonien. Blumen u. Pflanzenb. 44: 137-143. illus. Ag.7, 1929. no.8.

Rathschlag, H.

Mosaikkrankheit an der dahlie. Blumen u. Pflanzenb. 44: 148-149. illus. Ag.7, 1929. no.8.

Bol. Divulg. Of. Fed. Defensa Agr. Mexico.

La Barreda, L.de.

Manera de identificar y combatir las plagas y enfermedades de la plantas de cultivo. Bol. Divulg. Of. Fed. Defensa Agr. Mexico. no.11. 52 p. illus. 1929.

Lista de los nombres vulgares y cientificos de las principales enfermedades fungosas de las plantas cultivadas en México: p.34-35.

Bol. Min. Agr. Industr. e Comm. Brazil. (Rio de Janeiro)

Brazil. Serviço de inspecção e fomento agricolas.

A exploracão do mate (monographie elaborada.) (concl.) Bol. Min. Agr. Industr. e Comm. Brazil. 18(1): 603-665. illus. My.1929. no.5.

Boll. R. Staz. Patol. Veg. Roma. (Firenze)

Fridiano Cavara. Boll. R. Staz. Patol. Veg. Roma. n.s.,9: 252-253. Ap./Je.1929. no.2.

Boll. R. Staz. Patol. Veg. Roma. (cont.)

Giacomo Bresadola. Boll. R. Staz. Patol. Veg. Roma. n.s. 9: 251-252. Ap./Je. 1929. no.2.

Micheli, G.Di.
Sulla durata della facoltà germinativa in un "Conisoporium" lungamente conservato in erbario. Boll. R. Staz. Patol. Veg. Roma. n.s., 9: 222-225. Ap./Je.1929. no.2.
C. punctiforme.

Perugia. R. Istituto superiore agraria - Laboratorio ed osservatorio di patologia vegetale.
Rassegna dei casi fitopatologici osservate nel 1928. Boll. R. Staz. Patol. Veg. Roma. n.s., 9: 131-163. illus. Ap./Je. 1929. no.2.
Notes by V.Rivera & others.

Petri, L.
Alterazione del fusto dei papiri prodotta da protozoi. Boll. R. Staz. Patol. Veg. Roma. n.s., 9: 237-241. illus. Ap./Je.1929. no.2.

Petri, L.
Sulle cause dell' arricciamento della vite. Boll. R. Staz. Patol. Veg. Roma. n.s.,9: 101-130. illus. Ap./Je.1929. no.2.

Petri, L.
Ulteriori risultati delle experienze per la produzione in Italia di patate da seme di origine tedesca ed olandese. Boll. R. Staz. Patol. Veg. Roma. n.s., 9: 214-221. illus. Ap./Je. 1929. no.2.

Rivera, V.
Influenza del trattamento di tubi di emanazione sopra lo sviluppo di alcuni microrganismi vegetali. Boll. R. Staz. Patol. Veg. Roma. n.s., 9: 241-247. illus. Ap./Je.1929. no.2.
Bacterium tumefaciens, B.fluorescens.

Sansone, F.
Il Fusarium solani (Mont.) Sacc., in simbiosi mutualistica con batteri nella determinazione di cancrena umida dei tuberi di patata. Boll. R. Staz. Patol. Veg. Roma. n.s., 9: 170-213. illus. Ap./Je. 1929. no.2.

Boll. R. Staz. Patol. Veg. Roma. (cont.)
Scaramella, P.
L'alternariosi o marciume nero delle carote. Boll. R. Staz. Patol. Veg. Roma. n.s., 9: 226-237. illus. Ap./Je. 1929. no.2.
Alternaria radicina.

Sibilia, C.
Suberosi di foglie di Camellia. Boll. R. Staz. Patol. Veg. Roma. n.s., 9: 163-170. illus. Ap./Je. 1929. no.2.
Cause undeterm.

Bull. Agr. [Roumania] (Bucurest)
Coltzescu, I.H.
L'humidité du mais roumain à la récolte. Bull. Agr. [Rumania] II,10(3): 90-102. My./Je.1929. no.5/6.

Ghimpu, V.
La caryologie des plantes cultivées. Bull. Agr. [Rumania] II, 10(3): 149-174. illus. My./Je.1929. no.5/6.

Ghimpu, V.
Sur la caryologie du genre Medicago. Bull. Agr. [Rumania] II, 10(3): 175-178. illus. My./Je.1929. no.5/6.

Prodan, I.
Maladies causées par les cyperacées infestées par des champignons. Bull. Agr. [Rumania] II, 10(3): 147-148. My./Je. 1929. no.5/6.
Carex vulpina infested with Schizonella melanogramma, proving poisonous to cattle.

Bull. Amer. Dahlia Soc.
Connors, C.H.
What is stunt? Bull.Amer. Dahlia Soc. 10(49): 14-15. Jl.1929. no.49.
Term loosely applied to dwarfing caused by variation in nutrient supply and dwarfing by mechanical injuries, insects, etc. As a disease, it falls in the category of mosaic or virus diseases.

Bull. Dept. Agr. United Prov. Agra & Oudh. (Allahabad)
Dey, P.K.
A note on the control of sugar-cane mosaic in the eastern districts. Bull. Dept. Agr. United Prov. Agra & Oudh. 46. 7 p. 4 pl. (2 col.) 1929.

Bull. Mens. Soc. Nat. Hort. France. (Paris)
Barbieri, N.A.
La culture physiologique des orchidées. Bull. Mens. Soc. Nat. Hort. France. V,2: 303-316. illus. Je.1929.

Maylin, M.M.
La destruction et la chute des fruits ses causes, les moyens d'y remedier. Bull. Mens. Soc. Nat. Hort. France. V, 2: 290-303. Je.1929.

Bull. Soc. Sci. Nat. Maroc. (Rabat)
Emberger, L.
Note sur la végétation des montagnes du Tadla autour de Ksiba. Bull. Soc. Sci. Nat. Maroc. 8: 216-219. D.31, 1928. no.7/9.

Bull. U.S. Golf Assoc. Green Sect. (Wash.,D.C.)
Drechsler, C.
Leaf spot and foot rot of bluegrass. Bull. U.S. Golf Assoc. Green Sect. 9: 120-123. illus. Jl. 1929. no.7.

Bult. Sci. Fak. Terkult Kjûsû Imp. Univ.
Esaki, T.
On Cordyceps mutans Patouillard from the province of Chikugo. Bult. Sci. Fak. Terkult. Kjûsû Imp. Univ. 3: 221-231. illus. Je.1929. no.3.
Japanese with English summary.

Fukaki, S.
Ueber den nährwert des calciumnitrats und des ammoniumsulfats als stickstoffquelle zur wasserkulture der reispflanzen (Oryza sativa) Bult. Sci. Fak. Terkult. Kjûsû Imp. Univ. 3: 244-262. illus. Je.1929. no.3.
Japanese with German summary.

Bult. Sci. Fak. Terkult. Kjusu Imp. Univ. (cont.)

Kôketsu, R., Kosaka, H., Sato, T. & Fujita, T.
Ueber den effekt der anwendung der "pulvermethode" fur die bestimmung des stoffgehaltes im pflanzenkörper. V. Vergleichende bestimmungen des kohlenhydrat- und eiweissgehaltes. Bult. Sci. Fak. Terkult. Kjûsu Imp. Univ. 3: 232-243. Je.1929. no.3.
Japanese with German summary.

Nakata, K.
Studies on Sclerotium rolfsii Sacc. pt.7. The results of successive cultures and selections within pure line of the fungus. Bult. Sci. Fak. Terkult. Kjûsu Imp. Univ. 3: 292-299. Je.1929. no.3.
Japanese with English summary.

Takenouchi, M.
Investigations on the relation between plants and their surrounding conditions by the quantitive method III. A comparative study on the various kinds of plants and the potometer condition; on their transpiration, water-absorption and the interrelation between the preceding two functions. Bult. Sci. Fak. Terkult. Kjûsu Imp. Univ. 3: 263-286. Je.1929. no.3.
Japanese with English summary.

Calif. Citrogr. (Los Angeles)

Jensen, C.A.
Comparative effect of irrigation water and of rain to lemon yield. Calif. Citrogr. 14: 450, 490-491. S.1929. no.11.
Injury from boron in irrigation water, Increase of yield with greater amount of rain.

Canad. Journ. Res. (Ottawa)

Harrington, J.B. & Smith, W.K.
The inheritance of reaction to black stem rust of wheat in a dicoccum x vulgare cross. Canad. Journ. Res. 1: 163-188. pl. ii-iii. Jl.1929. no.2.

Citrus Indust. (Tampa, Fla.)

Rhoads, A.S.

Gummosis and psorosis of citrus trees, with special reference to their control and cause. Citrus Indust. 10: 3-7. illus. Ag.1929. no.8.

Compt. Rend. Acad. Sci. Paris.

Chouchak, D.

La lutte entre les plantes cultivées et les micro-organismes du sol pour leur nutrition minérale; action du sang desséché sur l'engrais phosphaté. Compt. Rend. Acad. Sci. Paris. 189: 262-264. Jl.29, 1929. no.5.

Daniel, L.

Nouvelles observations sur les Pirocydonia et leurs générateurs. Compt. Rend. Acad. Sci. Paris. 189: 301-304. Ag.5, 1929. no.6.

Compt. Rend. Sco. Biol. Paris.

Cantacuzène, A.

Reproduction expérimentale des tumeurs bactériennes de Chondrus crispus Lungh. Compt. Rend. Soc. Biol. Paris. 101: 1042-1044. Ag.1929. no.25.

Chorine, V. & Baranoff, N.

Sur deux champignons parasites d'Anopheles maculipennis Mg. Compt. Rend. Soc. Biol. Paris. 101: 1025-1026. Ag.1929. no.25.

Fungi not named.

Dhéré, C.

L'absorption des rayons ultraviolets par les acides nucléiques au point de vue chimique et au point de vue cytologique. Compt. Rend. Soc. Biol. Paris. 101: 1124-1128. illus. Ag.1929. no.25.

Ghimpu, V.

Sur l'existence simultanée des mitoses diploïdes, didiploïdes et tétradiploïdes chez les Acacia. Compt. Rend. Soc. Biol. Paris. 101: 1122-1123. Ag.1929. no.25.

Compt. Rend. Soc. Biol. Paris. (cont.)

Homès, M.

Contribution a la cytologie des plantes carnivores. Le vacuome, au cours de la digestion, dans les tentacules de Drosera rotundifolia. Compt. Rend. Soc. Biol. Paris. 101: 1170-1172. Ag. 1929. no.25.

Lebón, E.

Sur la formation de l'albumen chez Impatiens sultani. Compt. Rend. Soc. Biol. Paris. 101: 1168-1170. illus. Ag.1929. no.25.

Lesné, E. & Clément, R.

Activité antirachitique spontanée de certaines algues. Compt. Rend. Soc. Biol. Paris. 101: 1021-1022. Ag. 1929. no.25.

Deut. Landw. Presse. (Berlin)

Molz, E.

Ergebnisse neuer versuche zur bekämpfung des rübennematoden (Heterodera schachtii). Deut. Landw. Presse. 56: 453. Ag.10, 1929. no. 32.

Fortschr. Landw. (Vienna)

Rathsack, K. & Meyer, H.

Zur methodik der saugkraftmessung mit hilfe von rohrzuckerlösungen. Fortschritte der Landwirtschaft. 4: 505-511. illus. Ag.15,1929.

Gard. Chron. (London)

Auton, W.

The duration of cut flowers. Gard. Chron. III, 86: 130-131. Ag.17, 1929. no.2225.

Cheal, W. F.

Experiments on the cause of "potato sickness." Gard. Chron. III, 86: 132-133. illus. (p.132-135). Ag.17, 1929. no.2225.

Pot experiments with inoculations of eelworms and Corticium solani, and with "potato sick" soil, to determine relative responsibility of the eelworm and fungus in causing this disease.

Card. Chron. (cont.)

Darnell, A.W.
The genus Primula (cont.). Gard. Chron. III, 86: 94, 108, 128. Ag.3,10,17, 1929. no. 2223-2225.

Friend, H.
Problems of plant life. VI. Transpiration. Gard.Chron. III, 86: 130. Ag.17, 1929. no.2225.

O., W.
Monserrate. Gard. Chron. III, 86: 90-92. illus. Ag.3, 1929. no.2223.
Illus. p.90-91, 93.

Pam, A.
Hymenocallis amancaes. Gard. Chron. III, 86: 107. illus. Ag.10, 1929. no.2224.

Wall, A.
The cultivation of New Zealand plants in Britain. Gard. Chron. III, 86: 92-93, 108, 128-129. Ag.3,10,17,1929. no.2223-2225.

Ward, F. K.
Mr. F. Kingdon Ward's tenth expedition in Asia. Gard. Chron. III, 86: 110-111. illus. Ag.10, 1929. no.2224.

Yashiroda, K.
Tree paeonies in Japan. Gard. Chron. III, 86: 131-132. illus. (p.122, 125,127, 129, 131). Ag. 17,1929. no.2225.

Gard. Illus. (London)

Jekyll, G.
Colour names and descriptions. Gard. Illus. 51: 525-526. illus. Ag.3, 1929. no.2630.

Gartenw. (Berlin)

Pape, H.
Fleckenkrankheit des rittersporns. Gartenw. 33: 430-431. illus. Ag.2, 1929. no.31.
Bacterium delphinii.

V.11, no.18, p.15.

Hadar (Palestine Citrogr.) (Jaffa)

Leshem, A.

Our young citrus plantations and the new diseases noticed therein. Hadar (Palestine Citrogr.) 2: 141-142. Jl. 1929. no.7.

Treidel, O.

Aaron Aaronson - The pioneer investigator in the field of Palestinian agriculture. Hadar (Palestine Citrogr.) 2: 135-136. Jl.1929. no.7.

Horticulture. (Boston)

Wilson, E. H.

A new Stewartia from Korea. Horticulture. 7: 398. illus. Ag.15, 1929. no.16.

S. koreana.

House & Gard. (Greenwich, Conn.)

Beebe, L. B.

Who's who among the native orchids. House & Gard. 56(3): 112-113, 186, 188, 190. illus. S.1929.

Indian For. (Dehra Dun)

Bagchee, K. D.

Preliminary note on the investigation of sal thicket fungus disease. Indian For. 55: 421-429. pl.19-20. Ag.1929. no.8.

Fungus belonging either to Marasmius or Corticium.

Champion, H. G.

The regeneration of tropical evergreen forests (rain forest). Indian For. 55: 429-446. Ag. 1929. no. 8.

Indische Cult. (Soerbaja)

Morris, L. R.

Waarnemingen en proeven betreffende de bevruchting van Hevea brasiliensis. Indische Cult. 14: 599-605. illus. Jl.16, 1929. no.14.

Intern. Sugar Journ. (London)

Stell, Frank

Sugar cane mosaic in Trinidad. Intern. Sugar Journ. 31: 414-415. Ag.1929. no.368.

Journ. Agr. Prat. (Paris)

Lesourd, F.

Histoire des plantes - Spergule (Spergula arvensis L.) Journ. Agr. Prat. n.s., 52(2): 113. illus. Ag.10,1929. no.32.

Journ. Agr. Res. (Washington)

Hollowell, E. A.

Influence of atmospheric and soil moisture upon seed setting in red clover. Journ. Agr. Res. 39: 229-247. illus Ag.15,1929(Rec'd Ag.27) no.4.

Leonian, L. H. & Geer, H. L.

Comparative value of the size of Phytophthora sporangia obtained under standard conditions. Journ. Agr.Res. 39: 285-311. Ag.15, 1929. (Rec'd Ag.27) no.4.

Siegler, E.A. & Piper, R. B.

Aerial crown gall of the apple. Journ. Agr.Res. 39: 249-262. illus. Ag.15, 1929 (Rec'd Ag.27) no.4.

Weimer, J. L.

Some factors involved in the winterkilling of alfalfa. Journ. Agr.Res. 39: 263-283. illus. Ag.15,1929.

Journ. Amer. Pharm. Assoc. (Easton, Pa.)

Christensen, B. V.

Some observations on medicinal plants of Florida. Journ. Amer. Pharm. Assoc. 18: 790-793. Ag.1929. no.8.

Journ. Amer. Soc. Agron. (Geneva, N.Y.)

Dillman, A. C.

Dehiscence of the flax boll. Journ. Amer. Soc. Agron. 21: 832-833. illus. Ag.1929. no.8.

Wilson, J.K.

Acidity changes in stored legume seeds. Journ. Amer. Soc. Agron. 21: 815-817. Ag.1929. no.8.

Wilson, J. K.

The presence of Rhizobium on agricultural seed. Journ. Amer. Soc.Agron. 21: 810-814. Ag.1929. no.8.

Non-legume seed such as oats, timothy, etc. may carry legume bacteria representative of several species.

Journ. Bacteriol.

Burke, V. & Barnes, M. W.
The cell wall and the gram reaction. Journ. Bacteriol. 18:71-92. Ag. 1929. no.2.

Journ. Bombay Nat. Hist. Soc.

Blatter, E. & McCann, C.
Revision of the flora of the Bombay presidency Pt.IX, Gramineae. Journ. Bombay Nat. Hist. Soc. 33: 480-496. My.31, 1929. no.3.

Millard, W.S. & Blatter, E.
Conspicuous flowering trees of India. I- Journ. Bombay Nat. Hist. Soc. 33: 624-635. illus. 4 pl. (2 col.) My.1929. no.3.

Robinson, M.
Flowerless plants. I- Journ. Bombay Nat. Hist. Soc. 33: 570-575. illus., pl. i-III (1 col.) My. 1929. no.3.

Tiwary, N.K.
A note on the occurence of buds in the axils of the cotyledons. Journ. Bombay Nat. Hist. Soc. 33: 731-732. ii pl. My. 1929. no.3.

Journ. Bot. (London)

Bennett, A., Salmon, C.E. & Matthews, J. R.
Second supplement to Watson's "Topographical botany." (cont.) Journ. Bot. 67(suppl.): 17-24. Ag.1929. no.800.

Dandy, J.E.
Three new michelias from Indo-China. Journ. Bot. 67: 222-224. Ag.1929. no.800.
M.masticata, M.chapensis, M.constricta.

Druce, G. C.
Arthur Bennett, 1843-1929. Journ. Bot. 67: 217-221. port. Ag.1929. no.800.
Additional note on Bennett by C.E. Salmon: p.221.

Mr. John Gossweiler's plants from Angola and Portuguese Congo. (Dicotyledones: Gamopetalae by R.O'D. Good) (cont.) Journ. Bot.(supple.): 89-96. Ag.1929. no.800.

Journ. Sci. Agr. Soc. Japan. (Tokyo)

Hiura, M.

Studies on some downy mildews of agricultural plants. I. Journ. Sci. Agr. Soc. Japan. 319: 245-253. Je.5, 1929.

Japanese with English summary.

I. On Sclerospora graminicola (Sacc.) Schroet. the causal fungus of the downy mildew of Italian millet (the second preliminary note).

Journ. Washington Acad. Sci.

Hitchcock, A. S.

Three new grasses from French Sudan. Journ. Wash. Acad. Sci. 19: 303-304. Ag.19, 1929. no.14.

Brachiaria hagerupii, Eragrostis pallescens and E.albida, new species.

Macbride, J. F.

A plea for the conservation of Muhlenbeckia. Journ. Wash. Acad. Sci. 19: 302-303. Ag.19, 1929. no. 14.

Kranke Pflanze. (Dresden)

Esmarch, F.

Der gürtelschorf der rüben. Kranke Pflanze. 6: 145-147. illus. Ag.1929. no. 8.

Rathlef, H.v.

Versuchsergebnisse aus Dänemark betreffend die pflanzenkrankheiten. Kranke Pflanze. 6: 147-149. Ag.1929. no.8.

Landbouwk. Tijdschr. Maandbl. Nederl. Genootsch. Landbouwwetensch. (Amsterdam)

Bos, H.

Rassenbeschrijving toegelicht aan de "Amsterdamsch bakwortel". Landbouwk. Tijdschr. Maandbl. Nederl.Genootsch. Landbouwwetensch. 41: 337-350, 410-419. illus. Je., Jl. 1929. no.492, 493.

Committee: A.M. Sprenger, K. Leendertz, and H. Bos.

Landtm. Tidskr. Landtm. (Stockholm)

Simmons, H. G.

Växternas kölddöd och köldresistens. Landtm. Tidskr. Landtm. 12: 716-718. illus. Ag.17, 1929. no.33.

Review of: A.Akerman. Studien ueber den kältetod und die kälteresistenz der pflanzen. Lund, 1927.

Journ. Bot. (cont.)

Moore, S.L.
Alabastra diversa. XXXVI. Journ. Bot. 67: 225-231. Ag. 1929. no.800.
Some new or rare African Acanthaceae.

Pugsley, H. W.
New British species of Euphrasia. Journ. Bot. 67: 224-225. Ag.1929. no.800.

Ramsbottom, J.
Giacomo Bresadola. Journ. Bot. 67: 235-236. Ag.1929. no.800.

Ramsbottom, J.
Range of effective spore-dispersal. Journ. Bot. 67: 237. Ag.1929. no.800.

Rees, T.K.
Marine algae of the coast of Wales. Journ.Bot. 67: 231-235. Ag.1929. no.800.

Journ. Dept. Agr. West. Austral. (Perth)

Elliott, H. G.
Subterranean clover seed and its impurities, with a comparison between machine cleaned seed and seed in the burr. Journ. Dept. Agr. West. Austral. 6: 274-279. illus. Je.1929. no.2.

Gardner, C. A.
Nut grass (Cyperus rotundus, Linn.). Journ. Dept. Agr. West. Austral. 6: 288-290. illus. Je.1929. no. 2.

Gardner, C. A.
Rough clover. (Trifolium scabrum, Linn.) Journ. Dept. Agr. West. Austral. 6: 290-291. illus. Je. 1929. no.2.

Pittman, H. A.
Potato diseases in Western Australia. Journ. Dept. Agr. West. Austral. 6: 246-256. illus. Je. 1929. no.2.

Wickens, G. W.
Pear scab. Journ. Dept. Agr.West. Austral. 6: 220-222. illus. Je. 1929. no.2.

Journ. Sci. Agr. Soc. Japan. (Tokyo)

Hiura, M.

Studies on some downy mildews of agricultural plants. I. Journ. Sci. Agr. Soc. Japan. 319: 245-253. Je.5, 1929.

Japanese with English summary.

I. On Sclerospora graminicola (Sacc.) Schroet. the causal fungus of the downy mildew of Italian millet (the second preliminary note).

Journ. Washington Acad. Sci.

Hitchcock, A. S.

Three new grasses from French Sudan. Journ. Wash. Acad. Sci. 19: 303-304. Ag.19, 1929. no.14.

Brachiaria hagerupii, Eragrostis pallescens and E.albida, new species.

Macbride, J. F.

A plea for the conservation of Muhlenbeckia. Journ. Wash. Acad. Sci. 19: 302-303. Ag.19, 1929. no. 14.

Kranke Pflanze. (Dresden)

Esmarch, F.

Der gürtelschorf der rüben. Kranke Pflanze. 6: 145-147. illus. Ag.1929. no. 8.

Rathlef, H.v.

Versuchsergebnisse aus Dänemark betreffend die pflanzenkrankheiten. Kranke Pflanze. 6: 147-149. Ag.1929. no.8.

Landbouwk. Tijdschr. Maandbl. Nederl. Genootsch. Landbouwwetensch. (Amsterdam)

Bos, H.

Rassenbeschrijving toegelicht aan de "Amsterdamsch bakwortel". Landbouwk. Tijdschr. Maandbl. Nederl.Genootsch. Landbouwwetensch. 41: 337-350, 410-419. illus. Je., Jl. 1929. no.492, 493.

Committee: A.M. Sprenger, K. Leendertz, and H. Bos.

Landtm. Tidskr. Landtm. (Stockholm)

Simmons, H. G.

Växternas kölddöd och köldresistens. Landtm. Tidskr. Landtm. 12: 716-718. illus. Ag.17, 1929. no.33.

Review of: A.Akerman. Studien ueber den kältetod und die kälteresistenz der pflanzen. Lund, 1927.

V.11, no. 18, p. 20.

Landw. Versuchsst. (Berlin)
Stephan, J.
Untersuchunge über den quellprozess der samen von Trifolium pratense. Landw. Versuchsst. 108: 371-376. Jl.1929. no.5/6.

Medd. Centralanst. Försöksv. Jordbruksomr. Avd. Landtbruksbot. (Stockholm)
Burström, H.
Undersökningar över oorganiska ämnens giftverkningar vid betning av Tilletia-tritici sporer. Medd. 356 Centralanst. Försöksv. Jordbruksomr. Avd. Landtbruksbot. no.46. 19 p. 1929.

Möller's Deut. Gärtn.-Zeit. (Erfurt)
Fric, A. V.
Oreocereus irigoyenii Fric sp.n. Möllers Deut. Gärtn. Zeit. 44: 255. illus. (p.254) Ag.1,1929. no. 22.

Nature (London)
Hanna, W. F.
Nuclear association in the aecium of Puccinia graminis. Nature. 124: 267. Ag.17, 1929. no.3120.

Peto, F. H.
Chromosome numbers in the agropyrons. Nature. 124: 181-182. illus. Ag.3, 1929. no.3118.

Seward, A.C.
Botanical records of the rocks, with special reference to the early Glossopteris flora. Nature. 124: 197. Ag.3, 1929.
Abstract of his address before Sect.K (Botany) British Association.

Tung oil. Nature. 124: 272-273. Ag.17, 1929. no. 3120.

Nevada Stockgr. (Reno)
Schweis, G. G.
Nevada battles puncture vine and white top. Nevada Stockgr. 10(11): 3, 15. Ag.1929. no.11.
Tribulus terrestris, Lepidium draba.

Pamphl. Dept. Agr. Tanganyika Terr. (Dar-es-Salaam)
Wallace, G. B.
Diseases of coffee. Pamphl. Dept. Agr. Tanganyika Terr. no.1. 7 p. [1928?] (Rec'd Ag.1929)
Observations in Usambara, Kilimanjaro and Meru areas, March-July 1927.

Perfum. & Essent. Oil Rec. (London)
Willimott, S. G.
Vitamins and other constituents of citrus oils and related products. Perfum. & Essent. Oil Rec. 20: 270-276. Ag. 1929.

Phytopath. (Lancaster, Pa.)
Abbott, E. V.
Diseases of economic plants in Peru. Phytopath. 19: 645-656. Jl.1929. no. 7.

Apostolides, C. A.
A leaf spot of sycamore caused by Stigmina platani (Fuckel) Sacc. Phytopath. 19: 667-671. illus. Jl. 1929. no. 7.

Bryan, M. K.
A fruit spot of tomato caused by Aplanobacter michiganense. Phytopath. 19: 690. Jl.1929.

Dillon Weston, W.A.R.
The effect of Tilletia caries (DC). Tull. (T. tritici (Bjerk.) Wint.) on the development of the wheat ear. Phytopath. 19: 681-685. illus. Jl. 1929. no. 7.

Ezekiel, W.N.
Report of the cotton root-rot conference at College Station, Texas. Phytopath. 19: 687-689. Jl. 1929. no. 7.

Godfrey, G. H.
A destructive root disease of pineapples and other plants due to Tylenchus brachyurus, n.sp. Phytopath. 19: 629. illus., pl.xv. Jl.1929. no. 7.

Phytopath. (cont.)

Henry, A.W. & Foster, W.R.
Leptosphaeria foot-rot of wheat in Alberta.
Phytopath. 19: 689-690. Jl. 1929. no. 7.
Fungus resembles L.culmifraga.

Lambert, E.B. & Stakman, E.C.
Sulphur dusting for the prevention of stem rust of wheat. Phytopath. 19: 631-643. illus. Jl.1929. no. 7.

Porter, R.H., Yu, T.F. & Chen, H.K.
The response of hulless barley to seed treatment for covered smut and stripe disease. Phytopath. 19: 657-666. Jl. 1929. no. 7.

Shear, C. L.
The life history of Sphaceloma ampelinum deBary.
Phytopath. 19: 673-679. illus. Jl.1929. no.7.
Elsinoe ampelina, n.comb.

Plant. & Sugar Manuf. (New Orleans)

Davis, R. L.
Java-Barbados hybrids in Porto Rico. Pt.III. Mosaic resistance. Plant. & Sugar Manuf. 83: 123-125. illus. Ag.17, 1929. no. 7.

Roxas, M.L. & Villano, M.
Studies on the development of the sugar cane plant -- root and shoot development of M-1900. I. Plant. & Sugar Manuf. 83: 144-145, 160. illus. Ag.20,1929. no.8.

Poona Agr. Coll. Mag. (Poona City)

Patvardhan, G. B.
A case of abnormal time of flowering of a branch of Cassia fistula. Poona Agr. Coll. Mag. 21: 38. Jl. 1929. no. 1.

Proc. Biol. Soc. Wash.

Tidestrom, I. & Dayton, W.A.
A new Silene from the Umpqua national forest.
Proc. Biol. Soc. Wash. 42: 207-208. pl. viii. Ag.17, 1929.
Silene ingrami, sp.nov.

Proc. K. Akad. Wetensch. Amsterdam.
Du Buy, H. G. & Nuernbergk. E.
Ueber das wachstum der koleoptile und des mesokotyls von Avena sativa unter verschiedenen aussenbedingungen (Vorlaufige mitteilung) I- Proc, K. Akad. Wetensch. Amsterdam. 32: 614-624, 808-817. illus. 4 tab. 1929. no.5,6.

Proc. Nat. Acad. Sci.
Babcock, E. B. & Collins, J. L.
Does natural ionizing radiation control rate of mutation? Proc. Nat. Acad. Sci. 15: 623-628. Ag. 1929. no. 8.
Abstract in Nature (Natural ionising radiation and rate of mutation) 124: 227-228. Ag.10,1929.

Proc. Roy. Spc. Ser.B. (London)
Sheffield, F.M.L.
Chromosome linkage in Oenothera, with special reference to some F1 hybrids. Proc. Roy. Soc. Ser.B, 105: 207-230. pl. 1-2. Ag.1, 1929. no.736.

Prod. Colon. Suppl. Techn. Cahiers Colon. Marseille.
Collardet, J.
Le bois de banglang. Prod. Colon. Suppl. Techn. Cahiers Colon. Marseille. 1929: 103-106. Jl.29, 1929. no. 62.
Various woody species of Lagerstroemia called "bang lang" or "banh landh" in Cochin China and South Annam.

Protoplasma (Leipzig)
Giroud, A.
Recherches sur la nature chimique du chondriome. Protoplasma. 7: 72-98. illus. Je.1929. no. 1.

Jost, L.
Einige physikalische eigenschaften des protoplasmas von Valonia und Chara. Protoplasma. 7: 1-22. illus. Je.1929. no.1.

Kofler, L.
Chemische, physikalische und biologische eigenschaften der saponine. Protoplasma. 7: 106-128. Je.1929. no.1.
Sammelreferate.

Protoplasma (cont.)

Konopka, K.& Ziegenspeck,H.
Die kerne des Drosera-tentakels und die ferment-bildung. Protoplasma. 7: 62-71. illus. Je. 1929. no. 1.

Němec, B.
Ueber den einfluss des nikotins auf sich teilende zellen. Protoplasma. 7: 99-105. illus. Je. 1929. no. 1.

Pantanelli, E.
Ueber ionenaufnahme. Protoplasma. 7: 129-137. Je.1929. no.1.
Sammelreferate.

Strugger, S.
Untersuchungen über plasma und plasmastromung an characeen. III. Becbachtungen am ausgeflossenen proto-plasma durchschnittener Chara-internodialzellen. Protoplasma. 7: 23-45. illus. Je.1929. no.1.

Queensl. Agr. Journ. (Brisbane)

Francis, W.D.
Queensland rain-forest trees. Queensl. Agr. Journ. 32: 68-69. pl.34-35. Jl.1, 1929. n9.1.
Erythrina vespertilio.

Simmonds, J.H.
Diseases of deciduous fruits. Queensl. Agr. Journ. 32: 28-44. pl.6-9. Jl.1, 1929. no.1.
Reprinted from "Pests and diseases of Queensland fruits and vegetables " by Robert Veitch & J. H. Simmonds.

Wilson, G.
Downy mildew or "leaf stripe" disease of sugar-cane. Queensl. Agr. Journ. 32: 4-5. Jl.1, 1929. no. 1.
Sclerospora sacchari.

Rep. Maryl. State Hort. Soc.

Hough, W. S.
Spray injury on apples. Rep. Maryl. State Hort. Soc. 31: 172-176. 1929.

Rep. Dept. Agr. So. Rhodesia.

Hopkins, J. C.
Report of the chief botanist and mycologist for the year 1928. Rep. Sect. Dept. Agr. So.Rhodesia. 1929: 67-69. 1929.

Rev. Bot. Appl. (Paris)

Chevalier, A.

Forêts primitives et forêts cultivées d'après Roger Ducamp. Rev. Bot. Appl. 9: 428-434. Jl. 1929. no. 95.

Dufrenoy, J.

Emploi de l'ethylène pour provoquer la maturation des fruits tropicaux. Rev. Bot. Appl. 9: 441-443. Jl.1929. No.95.

Hédin, L.

Note sur les bois d'adoum (Cylicodiscus gabunensis Harms). Rev. Bot. Appl. 9: 446-448. Jl. 1929. no.95.

Rev. Gen. Bot. (Paris)

Chalaud, .

Le cycle évolutif de Fossombronia pusilla Dum. (cont.) Rev. Gén. Bot. 41: 410-423. illus. Jl. 1929. no.487.

Györffy, I.

Sur les "epigonesolenoidia" du Plagiobryum demissum recueillies sur les Hauts-Tatra. Rev. Gen. Bot. 41: 401-408. pl.9. Jl.1929. no. 487.

Michel-Durand, E.

Recherches physiologiques sur les composés tanniques (cont.). Rev. Gén. Bot. 41: 441-464. Jl. 1929. no. 487.

Obaton, F.

Evolution de la mannite (mannitol) chez les végétaux. (cont.) Rev. Gen. Bot. 41: 424-440. diagrs. Jl.1929. no. 487.

Rev. Sci. (Paris)

Coupin, P.

Coup d'oeil sur l'histoure de ka bitabuqye française. Rev. Sci. 67: 449-457. illus. Ag. 1929. no.15.

S. W. A. Farmer (Windhoek)

Turpin, H. W. & Gill, G.A.

Versicherung gegen durre. Dürregestandige futterpflanzen unter besonderem hinweis auf feigenkaktus (cont.) S.W.A. Farmer 6(14): 5-10. illus. Jl. 1929. no.14.

Science. (Lancaster, Pa.)
Webster, J. E. & Jansma, F.
A comparison of the copper content of Oklahoma wheat with those of other states. Science. n.s. 70: 174. Ag.16, 1929. no. 1807.

Woodworth, R. H.
Parthenogenesis and polyembryony in Alnus rugosa (Duroi) Spreng. Science. 70: 192-193. Ag.23, 1929. no.1808.

Sci. Bull. Div. Bot. Dept. Agr.So. Africa.
Doidge, E. M.
A study of some Alternarias affecting citrus in South Africa. Sci. Bull. Div. Bot. Dept. Agr. So. Africa. no. 69. 29 p. incl. plates. 1929.

So. Afr. Journ. Nat. Hist. (Pretoria)
Marloth, R.
Stone-shaped plants. So. Afr. Journ. Nat. Hist. 6: 273-380. 4 pl. (2 col.) Je. 1929. no. 4.
Titanopsis calcarea, Lithops lesliei, Agryroderma testiculare, Didymactus lapidiformis.

Tijdschr. Plantenz. (Amsterdam)
Bruyn, H.L.G.de.
Het blauw worden van aardappelen (with a summary: The blue discoloration of potatoes). Tijdschr. Plantenz. 35: 185-222. pl. xiv-xv. Jl.1929. no. 7.
English summary: p.216-220.

Die Umschau. (Frankfurt)
Nestler, A.
Hautreizende pflanzen. Die Umschau. 33: 611-613. Ag.3, 1929. no.31.
Superficial poisoning by ivy (Hedera), box, vanilla fruits, leaves of rhubarb (Rheum undulatum)

U. S. Dept. Agr. Circ.
Morrison, B.Y.
Azaleas and rhododendrons from seed. U. S. Dept. Agr. Circ. 68: 7p. Illus. Je. 1929.

U. S. Dept. Agr., Food, Drug & Insect. Admin. F. D. Digest.
Read, M. T.
Fruits and fruit products. Investigations conducted by Bureau of chemistry and food, drug and insecticide administration workers from 1862 to 1926. U. S. Dept. Agr. Food, Drug & Insect. Admin. F. D. Digest. no. 2. 112 p. Ap. 1929.
Accounts of projects and abstracts of publications.
Mimeographed.

U. S. Dept. Agr. Leafl.
Talbot, M. W.
Wild garlic and its control. U. S. Dept. Agr. Leaflet. 43. 5p. illus. Jl.1929.

Veröffentl. Preuss. Hauptlandw. Kammer. (Berlin)
Die rebenzüchtung in Preussen in den jahren 1927 und 1928. Bericht II. Veröffentl. Preuss. Hauptlandw. Kammer. no.32. 119 p. incl. tables. 1929.

Zeitschr. Gesamte Getreidew. (Berlin)
Lindner,
Naturwissenschaftliche plauderi über die anatomie und physiologie des getreidekornes. Zeitschr. Gesamte Getreidew. 16: 147-153. illus. Jl.1929. no. 7.

Zeitschr. Pflanzenernähr. Düng. u. Bodenk. A. Wiss. Teil. (Leipzig)
Domontowitsch, M. K. & Groschenkow, A. J.
Versuche über die wirkung der dunklen und hellen perioden auf die wurzelernährung der pflanzen. Zeitschr. Pflanzenernähr. Düng. u. Bodenk. A. Wiss. Teil. 14: 194-205. 1929. no. 4/5.

Zeitschr. Zellforsch. & Mikrosk. Anat. (Berlin)
Beitler, L.
Zur cytologie von Crepis. Zeitschr. Zellforsch. & Mikrosk. Anat. 9: 287-296. illus. Jl.23, 1929. no.2.

Exper. Stat. Publ.
Cooper, J. R. & Wiggans, C. B.
A study of the effect of commercial fertilizers on the performance of peach trees. Arkansas Agr. Exp. Stat. Bull. 239. 62 p. Je. 1929 (Rec'd Ag. 1929)

Exper. Stat. Publ. (cont.)

Ware, J. O.

Cotton breeding studies. Arkansas Agr. Exp. Stat. Bull. 243. 38 p. illus. Je.1929 (Rec'd Ag. 1929.

I. Inheritance of fibor length.

II. Heritable relationship of red plant color and leaf shape.

Camp, A.F. & Mowry, H.

The Japanese persimmon in Florida. Florida Agr. Exp. Stat. Bull. 205: 527-562. illus. Je. 1929.

Pammel, L. H.

Some weedy grasses injurious to livestock, especially sheep. Iowa Agr. Exp. Stat. Circ. 116. 12p. illus. Je. 1929.

McWhorter, F. P. & Parker, M. M.

Fusarium wilt of tomato in Virginia. Virginia Truck Exp. Stat. Bull. 64: 661-674. illus. J l. 1928 (R ec'd Ag. 1929)

State Publications.

Fernald, H. T, & Osmun, A. V.

Potato insects and diseases and their control. Massachusetts Agr. Coll. Ext. Serv. Ext. Leafl. 21. 12 p. illus. My. 1929.

Revised.

Potato Diseases: p. 6-9.

New Books.

American type culture collection. Catalogue of cultures, 1928 2d e. Chicago, [1929?]

Arthur, J. C.

The plant rusts (Uredinales). N. Y., Wiley 1929.

Ascherson, P. & Graebner, P.

Synopsis der mitteleuropäischen flora... nach Aschersons tode fortgesetzt von P. Graebner sen & P. Graebner, fil. 110 lfg. (bd,5,pt.2) bog. 41-45 (Ranunculaceae, forts). Leipzig, Borntraeger, Je.15, 1929.

New Books (cont.)

Barker, H.D.
Eléments de botanique générale. Port-au-Prince, Haiti, 1928.
Publié sous la direction du service technique du département de l'agriculture...

Bois, D.
Les plantes alimentaires chez tous les peuples et à travers les ages, historie, utilisation, culture, vol. II. Phanérogames, fruitières. Paris, P. Lechevalier, 1928 (Encyclopédie biologique III)

The flowering plants of South Africa ... ed. by I.B. Pole Evans... v.8. col.pl. 281-318. 1928.

Guignard, L.
Le botanique de la Faculté de pharmacie de Paris. 4 ed. rev. Paul Guérin. Paris, Toulous, E.-H. Guitard, 1929.

Guillaumin, A.
Les fleurs de jardins, Paris. P.Lechevalier, 1929. (Encyclopédie pratique du naturaliste XV).
V. 1. Les fleurs de printemps.
Les grands horticulteurs française: p. lvii-lxxv. pl.1-22.

Heil, H.
Altrheinvegetation. In Karsten, G. Vegetationsbilder, r.20, h. 2. pl.7-12. 1929.
Near Lampertheim.

McKenny, M.
Mushrooms of field and wood. N.Y., John Day Company, c1929.

Pellerin, G.
Les plantes médicinales et leur exploitation. Paris, Librairie Hachette, 1929.

Rabaté, E.
La destruction des mauvaises herbes. 2d éd. Paris, Librairie agricole de la Maison rustique, 1927 (L'Agriculture pratique, I)

New Books (cont.)

Robertson, C.
Flowers and insects, lists of visitors of four hundred and fifty-three flowers. Carlinville, 1928(c1929)

Seybold, A.
Die physikalische komponente der pflanzlichen transpiration. Berlin, J. Springer, 1929 (Monographien aus dem gesamtgebiet der wissenschaftlichen botanik ... 2.bd.)

Zschokke, Th.
Schweizerisches obstbilderwerk (Pomologie Suisse illustrée) hrsg. vom Schweiz. obst- und weinbauverein, verband Schweiz. obsthandels- und obstverwertungsfirmen in zug, verband Schweiz handelsgartner. Wadenswil, 1923.

Reprints from Journals not yet rec'd or not available.

Lek, H. A. A. van der.
De cyclische symbiose der Ericaceae. Separate from Vakvl. Biol. v.10, p.145-156. 1929.

Correction.

List v.11, no. 16, p.40 under Exper. Stat. Publ.
Brooks, A. N. the entry should read Bull. 204.

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.

Vol. 11, no. 19. September 3-14, 1929.

Acta Soc. Bot. Polon. (Warsqawa)

Górski, F.
Recherches sur les méthodes de mesure de photosynthèse chez les plantes aquatiques submergées. Acta Soc. Bot. Polon. 6: 1-29. illus. 1929. no.1.

Korczewski, M.
Wachstum und ertrag. Acta Soc. Bot. Polon. 6: 46-68. illus. 1929. no.1.

Paszewski, A.
Pollenanalytische untersuchunge einiger moore in Nordwest-Polen. Acta Soc. Bot. Polon. 5: 354-366. illus. 1928. no.4.

Starmach, K.
Beitrag zur kenntnis der süsswasserflorideen von Polen. Acta Soc. Bot. Polon. 5: 367-389. illus. 1928. (Rec'd S.1929) no.4.

Starmach, K.
Ueber polnische Chamaesiphon-arten. Acta Soc. Bot. Polon. 6: 30-45. 1929. no.1.
C. carpeticus, C. sideriphilus, n.spp.

Szymkiewicz, D.
Sur la portée de la loi de Ludwig. Acta. Soc. Bot. Polon. 5: 390-395. 1928. (Rec'd S.1929) no.4.

Agric. Colon. (Firenze)

Nicastro, C.
Il mate o tè del Paraguay (Ilex paraguariensis St. Hil.) (concl.) Agric. Colon. 23: 369-381. illus. Ag.1929; no.8.

Amer. Journ. Bot.

Bradbury, D.
A comparative study of the developing and aborting fruits of Prunus cerasus. Amer. Journ. Bot. 16: 525-542. illus. pl.li-liv. Jl.1929 (Sep.) no.7.

Foster, A.S.
Investigations on the morphology and comparative history of development of foliar organs. I. The foliage leaves and cataphyllary structures in the horsechestnut (Aesculus hippocastanum L.) (cont.) Amer. Journ. Bot. 16: 474-501. pl.xl-l. Jl.1929(Sep.) no.7.

Gleason, H.A.
The genus Monochaetum in South America. Amer. Journ. Bot. 16: 502-522. Jl.1929(Sep.) no.7.
A number of new species are described.

Showalter, A.M.
The evolution of "plasmolysis". Amer. Journ. Bot. 16: 523-524. Jl.1929(Sep.) no.7.
"The word plasmolysis, adapted from the German 'plasmolyse' and occurring frequently in current botanical literature, is used now in two fundamentally different senses."

Snell, W.H.
The relation of moisture contents of wood to its decay III. Amer. Journ. Bot. 16: 543-546. Jl.1929(Sep.) no.7.

Weatherwax, P.
The morphology of the spikelets of six genera of Oryzeae. Amer. Journ. Bot. 16: 547-555. illus. Jl.1929(Sep.) no.7.
Oryza, Leersia, Zizania, Zizaniopsis, Hydrochloa, Luziola.

Zimmerman, P.W.
Vegetative propagation of holly. Amer. Journ. Bot. 16: 556-570. pl.l-lvii. Jl.1929(Sep.) no.7.

Amer. Nat.

Cockerell, T.D.A.
Hybrid sunflowers. Amer. Nat. 63: 470-475. S./O. 1929. no.688.

Seifriz, W.
The contractility of protoplasm. Amer. Nat. 63: 410-434. illus. S./O. 1929. no.688.

Ann. Rep. Exp. & Res. Stat. Nursery & Mark. Gard. Industr. Devel. Soc. (Cheshunt)

Owen, O.
The effect of copper on tomato plants at various stages of growth. Ann. Rep. Exp. & Res. Stat. Nursery & Mark. Gard. Industr. Devel. Soc. 14(1928): 111-114. 1929.

Small, T.
Tomato "mildew" or leaf-mould. Ann. Rep. Exp. & Res. Stat. Nursery & Mark. Gard. Industr. Devel. Soc. 14(1928): 45-62. 1929.

White, H.L.
Wilt disease of the carnation. Ann. Rep. Exp. & Res. Stat. Nursery & Mark. Gard. Industr. Devel. Soc. 14(1928): 62-75. illus. 1929.

Williams, P.H.
A bacterial disease of the chrysanthemum. Ann. Rep. Exp. & Res. Stat. Nursery & Mark Gard. Industr. Devel. Soc. 14(1928): 40-45. 1929.
Organism not named, not the same as Bact. vesicatorum.

Williams, P.H.
The effect of some lithium compounds on tomato plants. Ann. Rep. Esp. & Res. Stat. Nursery & Mark. Gard. Industr. Devel. Soc. 14(1928): 38-40. 1929.
Lithium chloride and lithium carbonate used for control of Verticillium wilt, found injurious to plant.

Williams, P.H.
Fungi occurring in tomato roots. Ann. Rep. Exp. & Res. Stat. Nursery & Mark. Gard. Industr. Devel. Soc. 14(1928): 42-45. 1929.
Fusarium culmorum, Fusarium spp. Phytophthora sp., Colletotrichum atramentarium, Trichoderma koningi, a sterile fungus represented by several strains & bacteria.

Ann. Rep. Exp. & Res. Stat. Nursery & Mark. Gard. Industr. Devel. Soc. (cont.)

Williams, P.H.
Investigations on the control of Verticillium wilt of the tomato. Ann. Rep. Exp. & Res. Stat. Nursery & Mark. Gard. Industr. Devel. Soc. 14(1928): 36-38. 1929.

Ann. Uniw. Stellenbosch. (Cape Town)

Van der Byl, P.A.
Die Suid-Afrikaanse Thelephoraceae. Ann. Uniw. Stellenbosch. v.7, r.A, afl. 3. 54 p. iii pl. Je.1929.
Stereum transvaalium n.sp.

Ann. Rep. Dept. Agr. Kenya.

Burton, J.G.L.
Annual report of the plant breeder. Ann. Rep. Dept. Agr. Kenya (1928: 198-254. 4 pl. 1929.
With particular reference to wheat and maize and notes on rust resistant varieties of the former.

McDonald, J.
Annual report of the mycologist for 1928. Ann. Rep. Dept. Agr. Kenya (1928: 187-197. pl. 1929.

Arb. Biol. Reichanst. Land- u. Forstw. (Berlin)

Merkenschlager, F.
Zur biologie der kartoffel. Arb. Biol. Reichanst. Land- u. Forstw. 17: 225-240. illus. (incl. maps) Je.1929. no.3.

Voelkel, H.
Methoden zur prüfung von pflanzenschutzmitteln. II. Die bestimmung der haftfähigkeit von stäubemitteln. Arb. Biol. Reichanst. Land- u. Forstw. 17: 253-272. illus. Je.1929. no.3.

Wollenweber, H.W.
Die wirtelpilz weklekrankheit (verticilliose) von ulme, ahorn und linde usw. Arb. Biol. Reichanst. Land- u. Forstw. 17: 273-299. illus. Je.1929. no.3.
Verticillium cinerescens n. sp.

Zillig, H., and Niemeyer, L.
Beiträge zur biologie und bekämpfung des roten brenners (Pseudopeziza tracheiphila Muller-Thurgau) des weinstocks. Arb. Biol. Reichanst. Land- u. Forstw. 17: 1-66. illus., pl. i-iv. (1 col.) Ap. 1929 (Rec'd Sept.) no.1.

Arch. Protistenk. (Jena)

Mainx, F.
Ueber die geschlechterverteilung bei Volvox aureus. Arch. Protistenk. 67: 205-214. Ag.23, 1929. no.1.

Poljansky, G., and Petruschewsky, G.
Zur frage über die struktur der cyanophyceenzelle. Arch. Protistenk. 57: 11-45. pl.i-ii. (1 col.) Ag.23, 1929. no.1.

Austral. For. Journ. (Sydney)

Osborn, T.G.B.
Forestry ecology (Australia). Austral. For. Journ. 11: 120-124. D.1928(Rec'd S.1929) no.4.

Bol. Min. Agr. Nac. Argentine

Marchionatto, J.B.
La lucha contra el "carbón volador" del trigo. Bol. Min. Agr. Nac. Argentine 28: 229-231. Ap./Je.1929. (Rec'd S.1929) no.2.

Bot. Arch. (Leipzig)

Beyer, A.F.
Ueber tropfenbildung in den schliesszellen der spaltöffnungen von Tradescantia zebrina. Bot. Arch. 26: 224-256. illus. Jl.1929. no.1/2.
English abstract, p.255.

Fleischer, E.
Zur biologie feilspanförminger samen. Bot. Arch. 26: 86-132. Jl.1929. no.1/2.
English summary, p.131.

Thieme, H.W.
Das bongosiholz und seine abstammung. Bot. Arch. 26: 164-223. illus. (incl. vi pl.) Jl. 1929. no.1/2.
Lophira alata and L. procera.

Tuteff, I.
Beitrag zur kenntnis der in Bulgarien angebauten varietäten der Oryza sativa L. Bot. Arch. 26: 133-162. fold. tab. Jl. 1929. no.1/2.
English abstract, p. 163.

Wilke, H.
Die phylogenie der Rhodophyceae. Bot. Arch. 26: 1-85. diagrs. Jl.1929. no.1/2.
English abstract, p.84.

Bulet. Grad. Bot. Univ. Cluj. (Roumania)

Bujorean, Gh

Cazuri de teratologie incă necunoscute ...
(Einige noch unbekannte teratologische formen bei: Scilla bifolia, Tulipa hungarica, Tulipa suaveolens, Crinum capense v. maximum, Asphodeline lutea, Syringa josikaea, Allium odorum, Leucojum vernum, Asparagus tenuifolius si Fraxinus excelsior. Bulet. Grad. Bot. Univ. Cluj 9: 221-222. 1929. no.3/4.
In Rumanian with German summary.

Nyárády, E.I.

Adnotatiuni la flora României IV. Bulet. Grad. Bot. Univ. Cluj 9: 224-225. 1929. no.3/4.
German résumé.

Pop, E.

Analize de polen in turba Carpatilor orentali ...
(Pollenanalyse einiger mmore der Ostkarpathen).
Bulet. Grad. Bot. Univ. Cluj 9: 81-180. pl.i-v. 1929. no.3/4.
Rumanian with German summary.

Pop, E.

Bibliografia botanica a Dobrogei (1878-1928).
Bulet. Grad. Bot. Univ. Cluj 9: 210-220. 1929. no.3/4.

Bull. Agr. Res. Inst. Pusa.

Mitra, M.

Some diseases of crops in the Andaman Islands.
Bull. Agr. Res. Inst. Pusa no.195. 14 p. 1929.
Coconut palms-Hevea rubber-Jack fruit- Mango-Mangosteen- Lime and orange- Tea- Coffee- Plantains-Sugarcane- Tomato- Rice.

Bull. Dept. Agr. Bombay (Poona)

Gammie, G.A.

Field, garden and orchard crops of the Bombay Presidency. Rev. and enl. by G.B. Patwardhan 1928. Bull. Dept. Agr. Bombay. 30(of 1908). rev. vii, 138, xiv pl. 1928.

Sahasrabuddhe, D.L., and Bapat, G.M.

A study of the soils associated with the deterioration of the cardamom crop in North Kanara. Bull. Dept. Agr. Bombay 157 of 1929. 43 p. pl. 1929.
Disease ("katte") not due to fungus, insect or bacteria, but to Protozoa.

Bull. Dept. Agr. So. Africa.
Doidge, E.M.
Further citrus canker studies. Bull.Dept. Agr. So. Africa no.51. 31 p. 1929.

[Bull.] Gosud. Inst. Tabak. Krasnodar (Bull. State Inst. Tobacco Invest. Krasnodar)
Piatnitski, M.P.
...The chemical characteristics of "American" type of tobacco from the irrigated districts in Crimea. [Bull.] Gosud. Inst. Tabak (Bull. State Inst. Tobacco Invest.) 49: 83-98. 192 .
Russian with English summary.

Schmuk, A., and Balabukha, V.
...The chemical composition of tobacco grown in 1926. [Bull.] Gosud. Inst. Tabak. Krasnodar (Bull. State Inst. Tobacco Invest. Krasnodar) 49: 5-81. 1929.
Russian with English summary.

Bull. Mens. Soc. Nat. Hort. France (Paris)
Guillaumin, A.
Le pays d'origine du Stauropsis fasciata. Bull. Mens. Soc. Nat. Hort. France s.5, 2: 402. Jl.1929.

Bull. Misc. Inform. Kew (London)
Ashby, S.F.
Diseases of limes and sugar-cane in the West Indies. Bull. Misc. Inform. Kew 1929: 209-214. no.7.

Dandy, J.E.
A new Michelia from the borders of Tibet and Assam. Bull. Misc. Inform. Kew 1929: 222-223. no.7.
M. wardii, n. sp.

Domin, K.
New ferns from tropical America and the West Indies. Bull. Misc. Inform. Kew 1929: 215-222. no.7.
From northern South America, Costa Rica & the island of Dominica.

Sprague, T.B.
The botanical name of shrub yellow-root. Bull. Misc. Inform. Kew 1929: 235-236. no.7.
Xanthorhiza simplicissima.

Sterculia from Fijii. Bull. Misc. Inform. Kew 1929: 240. no.7.
Name suggested by Mr. Wm. Greenwood for a well known Fijian plant which requires a new name, is S. guppyi.

Bull. Misc. Inform. Kew (cont.)

Turrill, W.B.
On the flora of the Nearer East. Bull. Misc. Inform. Kew 1929: 223-235. 1929. no.7.

Wakefield, E.M.
Giacomo Bresadola. Bull. Misc. Inform. Kew 1929: 236-237. no.7.

Compt. Rend. Acad. Sci. Paris.

Bonnet, R.
L'évolution de l'azote au cours de la germination. Compt. Rend. Acad. Sci. Paris 189: 373-375. Ag.26, 1929. no.9.

Guichard, A.
Sur l'ontogénie de la feuille végétative du Carex glauca L. Compt. Rend. Acad. Sci. Paris 189: 368-370. Ag.26, 1929. no.9.

Hée, A.
Influence des vagues de froid sur la respiration des végétaux. Compt. Rend. Acad. Sci. Paris 189: 370-372. Ag.26, 1929. no.9.

Lemarchands, J.
Recherches sur les transformations et plus spécialement sur la saponification des réserves grasses dans les graines au cours de la germination. Compt. Rend. Acad. Sci. Paris 189: 375-377. Ag.26, 1929. no.9.

Compt. Rend. Soc. Phys. & Hist. Nat. Genève.

Chodat, F.
Génétique des fraisiers, l'hétérosis. Compt. Rend. Soc. Phys. & Hist. Nat. Genève 46: 108-110. Ap./Jl. 1929. no.2.

Luyet, B.
La radiosensibilité à l'ultraviolet chez les mucorinées, en fonction de leur âge. Compt. Rend. Soc. Phys. & Hist. Nat. Genève. 46: 107-108. Ap./Jl.1929. no.2.

Naville, A.
Action des rayons mitogénétiques à travers un écran de quartz. (note préliminaire). Compt. Rend. Soc. Phys. & Hist. Nat. Genève 46: 128-130. Ap./Jl. 1929. no.2.

Compt. Rend. Soc. Phys. & Hist. Nat. Genève. (cont.)
Naville, A.
Sexualisation des gamètes et gonomérie chez les myxosporidies. (note préliminaire). Compt. Rend. Soc. Phys. & Hist. Nat. Genève. 46: 130-131. Ap./Jl 1929. no.2.

Curt. Bot. Mag.
Curt. Bot. Mag. v.153, pt.1. col. pl. 9162-9172. Ag.24,1929. no.1.
x Crinodonna corsii- Picea omorika- Eustephia pamiana n. sp.- Rhododendron haematodes- Primula vulgaris heterochroma- Carduncellus multifidus- Corokia macrocarpa- x Salvia superba- Ephidendrum pumilum- Cotoneaster glaucophylla f. serotina- Acacia extensa.

Deut. Landw. Presse (Berlin)
Müller, K.R.
Eine neue rübenkrankheit. Deut. Landw. Presse 56: 469-470. illus. Ag.17,1929. no.33.
Leaf disease somewhat resembling curly top. The probability that it is a virus disease is strengthened by the presence of numerous green hoppers (Chlorida flavescens) on the diseased plants.

Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS)
Prianishnikov, D., and Ivanova, V.
...Sur l'absorption et sur l'excrétion de l'ammoniaque par les racines des plantes. Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) 1929 A: 327-331. no.14.
Russian.

Rassadina, K.
...Les lichens du gouvernement de Vologda. Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) 1929 A: 221-226. no.9.
Russian.

Rassadina, K.
...Une nouvelle espèce d'Umbilicaria de Sibérie -- Umbilicaria pertusa sp.n. Dokl. Akad. Nauk. SSSR (Compt. Rend. Acad. Sci. USSR) 1929 A: 348-359. illus. no.14.
Russian with Latin diagnosis.

Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) (cont.)
Vavilov, N.
...La localisation géographique des gènes du blé dans le monde. Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) 1929 A: 265-270. illus. (map) no.11.
Russian.

Ernähr. Pflanze (Berlin)
Blattny, C.
Der einfluss der geteilten kalidüngung auf den gesundheitszustand und den ertrag des hopfens. Ernähr. Pflanze. 25: 378-382. Ag.15,1929. no.16.

Fortschr. Landw. (Vienna)
Bode, G.
Die bedeutung des rohrzuckers in der gerste. Fortschr. Landw. 4: 545-547. illus. S.1, 1929. no.17.

Gard. Chron. (London)
Anderson, A.W.
A few New Zealand Ourisias. Gard. Chron. III, 86: 166-167. illus. Ag.31, 1929. no.2227.

Darnell, A.W.
The genus Primula (cont.) Gard. Chron. III. 86: 151-152, 169. Ag.24,31, 1929. no.2226-2227.

Grove, A.
Hybrid lilies. Gard. Chron.III, 86: 148-149. Ag.24, 1929. no.2226.

Redgrove, H.S.
Curious old beliefs about medicinal herbs. Gard. Chron. III, 86: 166. Ag.31, 1929. no. 2227.

Stearn, W.T.
Some decorative Alliums. Gard. Chron. III, 86: 162-163. Ag.31, 1929. no.2227.

Wall, A.
The cultivation of New Zealand plants in Britain (concl.) Gard Chron.III, 86: 152. Ag.24, 1929. no.2226.

Ward, F.K.
Mr. F. Kingdon Ward's tenth expedition in Asia (cont.). Gard. Chron. III, 86: 149-150. illus. Ag.24, 1929. no.2226.

Gard. Illus. (London)
Cowley, H.
Ten days in Leventina. The diary of a visit to the Alps of Val Ticino and around Piora (cont.) A field day among the lilies. Gard. Illus. 51: 581-582. illus. Ag.24, 1929. no.2633.

Gartenbauwiss. (Berlin)
Blattný, C.
Ueber einige krankhafte erscheinungen bei verholzten partien und jungen trieben des hopfens. Gartenbauwiss. 2: 317-339. illus. Ag.17, 1929. no.3.

Dix, W.
Vegetationsversuche mit ultraviolette strahlen durchlässigem glas. Gartenbauwiss. 2: 365-368. illus. Ag.17, 1929. no.3.

Gartenfl. (Berlin)
Dageförde, K. jr
Die kern- und zellteilung. Gartenfl. 78: 229-231. illus. Ag.1929.

Gartenw. (Berlin)
Bonstedt, C.
Neue tropische nymphaeen I- Gartenw. 33: 431-432, 457-458. illus. Ag.2, 16, 1929. no.31,33.

Gyselinck, A.
Bunte bromelien für erwerbskultur I- Gartenw. 33: 455-456. illus. Ag.16,1929. no.33.

Herre, H.
Kalla in ihrer heimat. Gartenw. 33: 466-467. illus. Ag.16, 1929. no.33.

Genetics (Menasha, Wisc.)
East, E.M., and Yarnell, S.H.
Studies on self-sterility. VIII. Self-sterility allelomorphs. Genetics 14: 455-487. S.1929. no.5.

Emerson, R.A.
The frequency of somatic mutation in variegated pericarp of maize. Genetics 14: 488-511. S.1929. no.5.

Woodworth, C.M., and Veatch, C.
Inheritance of pubescence in soy beans and its relation to pod color. Genetics 14: 512-518. S.1929. no.5.

Handbk. Inform. Indian Tea Assoc.
Notes on fungus diseases. Handbk. Inform. Indian Tea Assoc. 1929: 45-53. col. plates.

Hoppe-Seyl. Zeitschr. Phys. Chem. (Berlin)
Euler, H. von, Steffenburg, S. & Hellström, H.
Experimentelle chemische beiträge zur erblichkeitsforschung. II. Hoppe-Seyler's Zeitschr. Physiol. Chem. 183: 113-122. Ag.12,1929. no.3.

Euler, H. von, and Hellström, H.
Ueber die bildung von xanthophyll, carotin und chlorophyll in belichteten und unbelichteten gerstenkeimlingen. Hoppe-Seyl. Zeitschr. Phys. Chem. 183: 177-183. Ag.26, 1929. no.4/6.

Nord, F.F., and Weichherz, J.
Ueber den zusammenhang zwischen enzymwirkung und absorption. 3. mitteilung zum mechanismus der enzymwirkung. Hoppe-Seyl. Zeitschr. Phys. Chem. 183: 191-217. Ag.26, 1929. no.4/6.

Nord, F.F., and Weichherz, J.
Zur kenntnis der enzymatischen vorgänge in der keimenden gerste. 4. mitteilung zum mechanismus der enzymwirkung. Hoppe-Seyl. Zeitschr. Phys. Chem. 183: 218-225. illus. Ag.26, 1929. no.4/6.

Horticulture (Boston)
Jones, B.
An evergreen that endures wind. Horticulture 7: 430. illus. S.1,1929. no.17.

Native plants for American gardens. Horticulture 7: 419-420. S.1, 1929. no.17.

Iowa State Coll. Journ. Sci. (Ames, Ia.)
Cratty, R.I.
The immigrant flora of Iowa. Iowa State Coll. Journ. Sci. 3: 247-269. Ap.1929. no.3.

Patel, M.K.
Biological studies of Pseudomonas tumefaciens Sm. & Town. and fifteen related non-pathogenic organisms. Iowa State Coll. Journ. Sci. 3: 271-298. Ap.1929.

Izv. Biol. Nauchno-Issled. Inst. i Biol. Stan. Permsk. Gosud. Univ. (Bull. Inst. Rech. Biol. & Stat. Biol. Univ. Perm.)
Bykov, I.E.
...On the mineral combinations of nitrogen in the sap of plants. Izv. Biol. Nauchno-Issled. Inst. i Biol. Stan. Permsk. Gosud. Univ. (Bull. Inst. Rech. Biol. & Stat. Biol. Univ. Perm.) 6: 277-290. 1929. no.6.
Russian with English summary.

Tueva, O.F.
... A study on the assimilation of phosphoric acid by barley in a water solution. Izv. Biol. Nauchno-Issled. Inst. i Biol. Stan. Permsk. Gosud. Univ. (Bull. Inst. Rech. Biol. & Stat. Biol. Univ. Perm) 6: 261-276. 1929. no.6.
Russian with English summary.

Journ. Agr. Prat. (Paris)
Lesourd, F.
Histoire des plantes. Le colza (Brassica campestris L.) Journ. Agr. Prat. n.s., 52(2): 149-152. illus. Ag.24,1929. no.34.

Journ. New Zeal. Inst. Hort.
Davies, W.C.
Photography as an aid to the study of plants and plant problems. Journ. New Zeal. Inst. Hort. 1: 5-14. illus. pl.i-xii. Je.1929. no.1.

Rice, W.H.
Chinese gooseberry (Actinidea chinensis). Journ. New Zeal. Inst. Hort. 1: 2-4. illus. Je.1929. no.1.

Journ. Pharm. & Chim. (Paris)
Bridel, M.
Recherches sur les variations de coloration des plantes au cours de leur dessiccation. Le glucoside du Lathraea clandestina L. est l'aucuboside (aucubine). Journ. Phram. & Chim. VIII, 10: 97-110. Ag.1929. no.3.

Kryptogamische Forsch.
Ade, A.
Bemerkenswerte pilze. Kryptogamische Forsch. 2: 23-27. Ja.1929(Rec'd Sept.) no.1.
Ombrophila blasiae, Pirottaea dubia, Leptosphaeria pilulariae, Hendersonia pilulariae, n.spp.; Pezizella aphanes Rehm (in litt.)

Kryptogamische Forsch. (cont.)

Esenbeck, E.
Schizomeris leibleinii Kütz. (Vorläufige mitteilung). Kryptogamische Forsch. 2: 2-5. illus. Ja.1929 (Rec'd Sept.) no.1.

Killermann, Sebastian
Bayerische becherpilze. I. Kryptogamische Forsch. 2: 27-47. pl.1-3. Ja.1929 (Rec'd Sept.) no.1.
I. Eupezizaceen.

Mayer, A.
Bacillariales aus dem Ammersee. Kryptogamische Forsch. 2: 6-17. illus. Ja.1929 (Rec'd Sept.) no.1.

Peeverlein, H.
Weitere vorarbeiten zu einer rostpilz (uredineen) flora Bayerns. Kryptogamische Forsch. 2: 48-118. Ja.1929 (Rec'd Sept.) no.1.

Ross, H.
Der Ess-see und seine algenflora. Kryptogamische Forsch. 2: 18-23. illus. Ja.1929 (Rec'd Sept.) no.1.

Landbouwk. Tijdschr. Maandbl. Nederl. Genootsch. Landbouwwetensch. (Amsterdam)

Franck, W.J.
Het kiemkrachtsonderzoek van biologisch standpunt beschouwd. Ladnbouwk. Tijdschr. Maandbl. Nederl. Genootsch. Landbouwwetensch. 41: 469-474. Ag.1929. no.494.

Lotos (Prag)

Anders, J.
Die flechtenflora des Kummergebirges in Nordböhmen. Lotos. 76: 315-325. Ag./D.1928 (Rec'd S.1929) no.8/12.
Parasiten: p.324.

Firbas, F.
Vegetationsstudien auf dem Donnersberge im Böhmischen mittelgebirge. Lotos. 76: 113-172. illus. pl. i-iv. Ap./My. 1928 (Rec'd S.1929) no.4/5.

Lotos. (cont.)

Rudolph, K., Firbas, F., & Sigmond, H.
Das koppenplanmoor im Riesengebirge. Lotos. 76: 173-221. illus., pl.vi-vii, 1 tab. Ap./My. 1928 (Rec'd S.1929) no.4/5.

Madroño. (San Francisco)

Fritz, E.
Some popular fallacies concerning California redwood. Madroño. 1: 221-224. Jl.1929. no.15.

Howell, J.T.
The Samuel B. Parish botanical society and the Riverside botanical club. Madroño. 1: 213-214. Jl.1929. no.15.

Jepson, W.L.
The botanical explorers of California. V. Charles Lewis Anderson. Madroño. 1: 214-216. port. Jl.1929. no.15.

Mathews, W.C.
Measurements of Cupressus pygmaea Sarg. on the Mendocino "pine barrens" or "white plains." Madroño. 1: 216-218. Jl.1929. no.15.

Parry, C.C.
From San Diego to the Bay of All Saints, Lower California, and back - Notes of a botanist visiting Mexican soil. Madroño. 1: 218-221. Jl.1929. no.15.

Medlemsskr. Selsk. Havedyrkn. Venner Norway (Oslo)

Moen, O.
Om frukttregrunnstammer. Medlemsskr. Selsk. Havedyrkn. Venner Norway. 7: 54-72, 77-96. illus. 1929. no.2-3.
On fruit stocks.

Minn. Hort. (Minneapolis)

Dosdall, L.
Diseases of peonies. Minn. Hort. 57: 229-234. Ag./S. 1929. no.8.

Mitt. Deut. Landw. Ges. (Berlin)

Riehm, E.
Erprobte beizmittel und beizverfahren. Mitt. Deut. Landw. Ges. 44: 748-749. Ag.24,1929. no.34.

Monatsschr. Deut. Kakteen-Ges. (Berlin)

Bödeker, F.
Coryphantha roederiana Böd., spec. nova.
Monatsschr. Deut. Kakteen-Ges. 1: 153-154. illus.
Jl./Ag.1929. no.7/8.

Bödeker, F.
Coryphantha werdermannii Böd., spec. nova.
Monatsschr. Deut. Kakteen-Ges. 1: 155-157. illus. Jl./Ag.1929. no.7/8.

Mycologia. (Lancaster, Pa.)

Diehl, W.W. & Cash, E.K.
The taxonomy of Peziza quernea. Mycologia.
21: 243-248. pl. 21. S./O.1929. no.4.
Godroniopsis, new genus of Cenangiaceae.

Greene, H.C.
The Myxomycetes of western Washington. Mycologia. 21: 261-273. S./O.1929. no.4.

Hagelstein, R.
New Mycetozoa from Long Island. Mycologia.
21: 297-299. pl. 26. S./O.1929. no.4.
Comatricha rispaudii and Cribraria laxa, new species.

Hunt, W.R.
Collections of rusts made in New York State.
Mycologia. 21: 288-291. S./O.1929. no.4.

Magnusson, A.H.
The yellow species of Acarospora in North America.
Mycologia. 21: 249-260. S./O.1929. no.4.
A.texana, A. extenuata, A.socialis, A.evoluta, A.amabilis, A.contigua, A.subalbida, A.samoensis, new species.

Overholts, L.O.
Mycological notes for 1926-27. Mycologia.
21: 274-287. pl.22-25. S./O.1929. no.4.

Shope, P.F.
History of mycological collectors in Colorado.
Mycologia 21: 292-296. S./O.1929. no.4.

Mycologia. (cont.)
Snell, W.H.
Dasyscypha agassizii on Pinus strobus. Mycologia. 21: 235-242. pl.20. S./O.1929. no.4.

Nat. Geogr. Mag.
Brandes, W.E.
Into primeval Papua by seaplane. Seeking disease-resisting sugar cane, scientists find Neolithic man in unmapped nooks of sorcery and cannibalism. Nat. Geogr. Mag. 56: 253-332. illus. S.1929. no.3.

Nat. Nurserym. (Hatboro, Pa.)
Maney, T.J.
The cause of hairy root on apple seedlings. Nat. Nurserym. 36: 6-7, 8, 16. illus. S.1,1929. no.17.
Hairy root caused by burr knot.

New Zeal. Journ. Sci. & Techn. (Wellington, N.Z.)
Kidd, M.N. (Mrs.)
Apple-rot fungi in the overseas transport and marketing of New Zealand apples. New Zeal. Journ. Sci. & Techn. 11: 30-32. illus. Je.1929. no.1.

Oesterr. Zeitschr. Kartoffelb. (Wien)
Köck, G.
Die häufigsten staudenkrankheiten der kartoffel, ihre bedeutung und bekämpfung. Oesterr. Zeitschr. Kartoffelb. 1929: 49-55. 1929. no.3.

Perfum. & Essent. Oil Rec. (London)
The magnolia in the perfumer's art. Perfum. & Essent. Oil Rec. 20: 313-315. Ag.1929. no.9.

Pflanzenbau. (Berlin)
Lueg, H.
Die bedeutung verschiedener untersuchungsmethoden zur bestimmung der relativen winterfestigkeit von winterweizensorten. Pflanzenbau. 1: 725-803. Ag.15, 1929. no.4.

Nábělek, F.
Wildwachsende stammformen unserer gerste aus dem Orient. Pflanzenbau. 1: 804-807. illus. Ag.15, 1929. no.4.

Pharm. Journ. (London)

Holmes, E. M.

Red Quebracho bark. Pharm. Journ. 123 (IV, 69): 194-196. illus. Ag.24,1929. no.3434.

Aspidosperma colorado.

Philipp. Agr. Rev. (Manila)

Barrientos, E. B.

A freak of nature. Philipp. Agr. Rev. 22: 187-188. pl. xvii. 1929. no.2.

A branching coconut tree.

Morada, E. K.

Papaya culture. Philipp. Agr. Rev. 22: 147-170. illus. 1929. no.2.

Physis (Buenos Aires)

Burkart, A.

Burkart, A.

Notas sobre leguminosas platenses. Physis. 9: 267-274. illus. D.31, 1928 (Rec'd S.1929) no.33.

Cabrera, A. L.

Notas sobre compuestas de la flora platense. Physis. 9: 261-267. illus. D.31, 1928 (Rec'd S.1929) no.33.

Parodi, L. R.

Una nueva especie de graminea de la flora argentina. Physis. 9:256-259. illus. D.31, 1928. (Rec'd S.1929) no.33.

Trichloris? lilloi n.sp.

Parodi, L. R.

Sinopsis de las gramíneas argentinas del género "Muhlenbergia". Physis. 9: 205-222. illus. D.31,1928. (Rec'd S.1929) no.33.

Phytopath. (Lancaster, Pa.)

Bryan, M. K.

The relation of moisture to stomatal infection.

Giddings, N.J., Allard, H.A. & Hite, B.H.

Inactivation of the tobacco-mosaic virus by high pressures. Phytopath. 19: 749-750. Ag.1929. no.8.

Phytopath. (cont.)

Hansen, H. N.
Etiology of the pink-root disease of onions. Phytopath. 19: 691-704. illus. Ag.1929. no.8.
True casual agent Phoma terrestris, n. sp.

Hubert, E. E.
A butt-rot of balsam fir caused by Polyporus balsameus Pk. Phytopath. 19: 725-732. illus. Ag. 1929. no. 8.

Hubert, E. E.
A root and butt rot of conifers caused by Polyporus circinatus Fr. Phytopath. 19: 745-747. Ag. 1929. no.8.

Hutchinson, W. G.
Studies on the mycelium of Cronartium comptoniae Arthur on Pinus sylvestris L. Phytopath. 19: 741-744. illus. Ag.1929. no. 8.

Leach, J.G., Johnson, H.W. & Parson, H.E.
The use of acidulated mercuric chloride in disinfecting potato tubers for the control of Rhizoctonia. Phytopath. 19:713-724. Ag.1929. no. 8.

Machacek, J.E.
The black mold of onions, caused by Apsergillus niger v. Tiegh. Phytopath. 19: 733-739. illus. Ag.1929. no. 8.

Wagener, W. W.
Lentinus lepideus Fr.: a cause of heart rot of living pines. Phytopath. 19: 703-712. illus. Ag. 1929. no. 8.

Planta, Arch. Wiss. Bot. (Berlin)

Alexandrov, W. G. & Alexandrova, O.G.
Ueber die struktur verschiedener abschnitte ein une desselben bündels und den bau von bündeln verschiedener internodien des sonnenblumenstengels. Planta, Arch. Wiss. Bot. 8: 465-486. illus. Ag.9, 1929. no.3.

Bachmann, F.
Ueber die verwendung von farbfiltern für pflanzenphysiologische forschungen. Planta Arch. Wiss. Bot. 8: 487-521. illus. Ag.9, 1929. no.3.

Planta Arch. Wiss. Bot. (cont.)

Cooke, D.
Untersuchungen über den kohlehydratumsatz in den blättern der küchenzwiebel (Allium cepa). Planta Arch. Wiss. Bot. 8: 522-526. Ag. 9, 1929. no.3.

Heitz, E.
Giot es sammelchromosomen bei pflanzen? Planta Arch. Wiss. Bot. 8: 527-528. illus. Ag. 9, 1929. no. 3.

Herčik, F.
Ueber die ursachen der photokapillaren reaktion der pflanzen. Planta Arch. Wiss. Bot. 8:364-368. Ag. 9, 1929. no.3.

Ivanov, L. A. & Kossowitsch, N. L.
Ueber die arbeit des assimilationsapparates verschiedener baumarten I. Planta Arch Wiss. Bot. 8: 427-464. illus. Ag.9, 1929. no.3.
I. Die kiefer (Pinus silvestris)

Iwanowskaja, A.
Die leitung des chemotropischen reizes in den wurzeln von Lupinus albus. Planta Arch. Wiss. Bot. 8: 369-382. illus. Ag.9, 1929. no.3.

Schaede, R.
Kritische untersuchungen über mechanik der karyokinese. Planta Arch. Wiss. Bot. 8: 383-397. illus. pl. 1. Ag. 9, 1929. no.3.

Stark, P. & Overbeck, F.
Zur waldgeschichte Schlesiens. Planta Arch. Wiss. Bot. 8:341-363. illus. Ag. 9, 1929. no. 3

Plant. & Sugar Manuf. (New Orleans)

Roxas, M. L. & Villano, M.
Studies on the development of the sugar cane plant -Root and shoot development of M-1900. II. Plant. & Sugar Manuf. 83: 163-164,182-185,200. illus. Ag. 31, S. 7, 1929. no. 9, 10.

V.11, no. 19, p. 21.

Pomol. Franç. (Villefranche, France)
Rivière, G. & Pichard, G.
La chlorose, I. Son influence sur la composition chimique des fruits du poirier. Pomol. Franç. 1929: 106-107. Ag. 1929. no. 9.

Prakt. Blätt. Pflanzenb. & Pflanzensch. (Freising)
Korff, K. & Böning, G.
Bericht über das auftreten von krankheiten und schädlingen an landwirtschaftlichen kulturpflanzen im Juni 1929. Prakt. Blätt. Pflanzenb. 7: 130-131. Ag.1929. no. 5

Proc. Potato Assoc. Amer.
Bonde, R.
Experimental spraying and dusting in Aroostook County. Proc. Potato Assoc. Amer. 15(1928): 170-179. [1929]

Clayton, E. E.
Potato seed treatment studies on Long Island with special reference to the organic mercurials. Proc. Potato Assoc. Amer. 15(1928): 101-102. [1929]

Folsom, D.
Potato spraying and dusting. Proc. Potato Assoc. Amer. 15(1928): 305-309. [1929]

Harrington, F. M.
Tuber index work. Proc. Potato Assoc. Amer. 15(1928): 332-338. [1929]

Hurst, R. R. & Howatt, J. L.
The deterioration of corrosive sublimate in solutions as applied to treatment of seed potatoes in Prince Edward Island. Proc. Potato Assoc. Amer. 15(1928): 62-70. illus. [1929]

Kotila, J. E.
Bacterial diseases. Proc. Potato Assoc. Amer. 15(1928): 290-292. [1929]

Krantz, F. A. & Hutchins, A. E.
The "leaf index" of some American potato varieties. Proc. Potato Assoc. Amer. 15(1928): 228-235. [1929]

Proc. Potato Assoc. Amer. (cont.)

Martin, W. H.
The value of organic mercury compounds for the control of seed borne scab and rhizoctonia. Proc. Potato Assoc. Amer. 15(1928): 73-87. [1929]

Morris, H. E.
Viroses or degeneration diseases of potatoes in the North west. Proc. Potato Assoc. Amer. 15 (1928): 199-203. [1929]

Raeder, J. M.
Diseases of potatoes. Proc. Potato Assoc. Amer. 15(1928): 327-332. [1929]

Reddick, D.
Breeding for Phytophthora resistance. Proc. Potato Assoc. Amer. 15(1928): 179-186. [1929]

Schultz, E. S.
Potato virus diseases. Proc. Potato Assoc. Amer. 15(1928): 293-296. [1929]

Schultz, E. S. & Folsom, D.
Recent potato virus-disease information contributing to the production of better seed potatoes. Proc. Potato Assoc. Amer. 15(1928): 203-227. [1929]

Schultz, E. S., Gratz, L. O. & Bonde, R.
Seed potato treatments for rhizoctonia conducted in northeastern Maine from 1925 to 1928. Proc. Potato Assoc. Amer. 15(1928): 102-112. [1929]

Stuart, W.
The tuber index method of seed potato improvement. Proc. Potato Assoc. Amer. 15(1928): 138-140. [1929]

Tucker, J.
Contact frosts in potato shipments. Proc. Potato Assoc. Amer. 15(1928): 21-26. illus. [1929]

Tucker, J.
The effect of seed treatment on black leg. Proc. Potato Assoc. Amer. 15(1928): 71-73. [1929]

Proc. Potato Assoc. Amer. (cont.)

Weiss, F.
Fungus diseases of potatoes. Proc. Potato Assoc. Amer. 15(1928): 285-290. [1929]

Werner, H. O.
The tuber index method in relation to seed potato certification. Proc. Potato Assoc. Amer. 15(1928): 140-150. [1929]

Werner, H. O.
The use of thiourea for controlling tuber size of potatoes. Proc. Potato Assoc. Amer. 15(1928): 88-100. [1929]

Proc. Sci. Sect. Leeds Phil. & Lit. Soc.

Gane, R.
The carbohydrate content of detached, partially shaded leaves, Proc. Sci. Sect. Leeds Phil. & Lit. Soc. L: 497-505. J 1.1929. no. 10.

Pearsall, W. H.
Form variation in Ceratium hirundinella O. F. M. Proc. Sci. Sect. Leeds Phil. & Lit. Soc. 1: 432-439. illus. Ap. 1929 (Rec'd Sept.) no. 9.

Proc. Linn. Soc. N. S. W. (Sydney)

Newman, I. V.
The life history of Doryanthes excelsa. I- Proc. Linn. Soc. N. S. W. 53: 499-538. illus. pl. xxxii-xxxv. D.1928(Rec'd S. 1929) pt.5.
I. Some ecological and vegetative features and spore production.

Rupp, H. M. R.
Notes on Corysanthes and some species of Pterostylis and Caladenia. Proc. Linn. Soc. N. S. W. 53: 551-554. illus. D.1928(Rec'd S.1929) pt. 5.

Walkom, A. B.
Notes on some additions to the Glossopteris flora in New South Wales. Proc. Linn. Soc. N. S. W. 53:555-564. illus., pl.xxxvi. D. 1928 (Rec'd S.1929) pt.5.

Protoplasma. (Leipzig)

Küster, E.
Beobachtungen an verwundeten zellen. Protoplasma. 7: 150-171. illus. Jl.1929. no. 2.

Protoplasma. (cont.)

Lorey, E.
Mikrochirurgische untersuchungen ueber die viskositat des protoplasmas. Protoplasma. 7: 171-203. Jl.1929. no. 2.

Maximov, N. A.
Internal factors of frost and drought resistance in plants. Protoplasma. 7: 259-291. Jl.1929.
Sammelreferat.

Morávek, V.
Osmotic studies on Nereocystis. Protoplasma. 7: 145-149. illus. Jl.1929. no. 2.

Weber, F.
Plasmolysezeit and lichtwirkung. Protoplasma. 7: 256-258. Jl.1929. no. 2.

[Publ.] Estac. Agron. Moca (Santo Domingo) Ser. B. Bot.

Ciferri, R. & Ciferri, R.
Hongos parasitos y saprofitos de la Republica Dominica. 16. ser. [Publ.] Estac. Agron. Moca Ser. B. Bot. no. 13. 17 p. D.1928. (Rec'd S.1929)

Ciferri, R.
Micoflora domingensis. Lista de los hongos hasta la fecha indicados en Santo Domingo. [Publ.] Estac. Agron. Moca. (Santo Domingo) Ser. B. Bot. no. 14. 260 p. D.1928 (Rec'd S. 1929)

Quart. Journ. Indian Tea Assoc. (Calcutta)

Tunstall, A. C.
Vegetable parasites of the tea plant. (cont.) Quart. Journ. Indian Tea Assoc. 1929: 68-75. no. 2.
Blights on the root.

Queensl. Agr. Journ. (Brisbane)

Francis, W. D.
Queensland rain-forest trees. Baloghia lucida. Queensl. Agr. Journ. 32:174-175. illus. Ag. 1, 1929. no. 2.

Retirement of Mr. Henry Tryon. Queensl. Agr. Journ. 32: 176-183. port. Ag.1, 1929. no. 2.
With list of Mr. Tryon's writings.

V.11, no. 19, p. 25.

Queensl. Agr. Journ. (cont.)
White, C. T.
Queensland weeds. Queensl. Agr. Journ. 32: 194-197. illus. Ag.1, 1929. no. 2
Zygophyllum apiculatum, Solanum auriculatum.

Queensl. Nat. (Brisbane)
White, C. T.
The eucalyptus or gum trees of the Brisbane district (cont.) Queensl. Nat. 7: 36-39. illus. Jl. 1929.n8. 2.

Rev. Hort. (Paris.)
Guillaumin, A.
Les cactees, principales espèces (cont.) Rev. Hort. 101: 510. illus. Ag. 1929. no. 20.

Rhodesia Agr. Journ. (Salisbury)
Hopkins, J. C. F.
Frog eye disease of tobacco. Rhodesia Agr. Journ. 26: 817-822. illus. Ag. 1929. no. 8.

H[opkins], J. C. F.
Seed treatment for maize against Diplodia. Rhodesia Agr. Journ. 26: 793-795. Ag. 1929. no. 8.

H[opkins, J. C. F.
Seed treatment for tobacco against bacterial diseases. Rhodesia Agr. Journ. 26: 795-797. Ag. 1929 no. 8.

Riv. Patol. Veg. (Paris)
Agostini, A.
Un'Alternaria e la sua forma ascofora parassite dell' Erythrina crista-galli L. Riv. Patol. Veg. 19: 165-172. illus. Jl./Ag. 1929.
Alternaria erythrinae n.sp. and its asciferous form Pleospora erythrinae.

Agostina, A.
Cladosporiosi, causa di seccume in Ficus magnolioides Borzi. Riv. Patol. Veg. 19: 155-168. illus. Jl./Ag.1929 no. 7/8.

V.11, no. 19, p. 26.

Schrift. Naturwissenschaftl. Ver. Schleswig-Holstein.
Christiansen, D. N.
Die adventiv- und ruderalflora der Altonaer kiesgruben und schuttplätze. Schrift. Naturwissenschaftl. Ver. Schleswig-Holstein. 18: 350-462. 1 pl. (map.) 1928(Rec'd S. 1929) no. 2.

Science. (Lancaster, Pa.)
Ciferri, R.
The use of paradichlorobenzene in the conservation of herbaria. Science. 70: 240. S. 6, 1929. no. 1810.

Dolge, B. O.
Segregations observed in breeding the Monilia bread molds. Science. n. s. 70:222. Ag. 30 1929. no. 1809.
The University of Kentucky Botanic gardens. Science. 70: 233. S.6,1929. no. 1810.

Wieland, G. R.
Views of higher seed plant descent since 1879. Science. 70: 223-228. S. 6,1929. no. 1810.

Sci. Rep. Tohoku Imp. Univ. 4 Ser. Biol. (Sendai)
Horikawa, Y.
Studies on the Hepaticae of Japan II. Sci. Rep. Tohoku Imp. Univ. 4. Sep. Biol. 4: 395-429. illus., pl. xvi-xviii. Je. 1929. no. 2.

Okabe, S.
Ueber eine tetraploide gartenrasse von Psilotum nudum, Palisot de Beauvois (P. triquetrum Sw.) und die tripolige kernteilung in ihren sporenmutterzellen. Sci. Rep. Tohoku Imp. Univ. 4 ser. Biol. 4: 373-380. illus. plxv. Je. 1929. no. 2.

Okada, Y.
Study of Euryale ferox Salisb. IV. On the rate of growth of the lamina. Sci, Rep. Tohoku Imp. Univ. 4. ser. Biol. 4: 361-368. pl. xiii-xiv. Je. 1929. no. 2.

Sci. Rep. Tohoku Imp. Univ. 4. Ser. Biol. (cont.)

Ono, T.

Embryologie der Liliaceae, mit besonderer rücksicht auf die endospermbildung. I. Sci. Rep. Tohoku Imp. Univ., 4. ser. Biol. 4: 381-393. illus. Je.1929. no. 2.

I. Melanthioideae und Aletroideae.

Shibata M.

Ueber die wirkung der elektrolyten auf den sauerstoffverbrauch von Chlorella ellipsoidea. Sci. Rep.Tohoku Imp. Univ. 4. ser. Biol. 4:431-471. Je.1929. no. 2.

Shimotomai, N.

Ueber die chromsomenzahlen bei einigen potentillen. Sci. Rep. Tohoku Imp. Univ. 4. Ser. Biol. 4: 369-372. Je.1929.no. 2.

Sitzungsb. Akad.Wiss. Wien. Math.-Naturw. Kl. Abt. I.

Figdor, W.

Ueber tütenförmige blatter und die ungeschlechtliche vermehrung von Bryophyllum proliferum Bowie. Sitzungsb. Akad. Wiss. Wien. Math. Naturw. Kl. Abt. I. 137: 817-824. illus. 1928 (Rec'd S. 1929) no. 10.

Fritsch, K.

Beobachtungen über blütenbesuchende insekten in Steiermark 1908. Sitzungsb. Akad.Wiss. Math.-Naturw. Kl. Abt. I. 137: 799-815. 1928(Rec'd S. 1929) no. 10.

Heinricher, E.

Die sexualitätsverhältnisse und die rassen der kaiserkrone (Fritillaria imperialis L.) Sitzungsb. Akad. Wiss. Wien. Math.-Naturw. Kl. Abt. I. 137: 747-758. illus., pl. i. 1928 (Rec'd S. 1929) no. 10.

Lämmermayr, L.

Vierter beitrag zur ökologie der flora auf serpentin- und magnesitböden. Sitzungsb. Akad. Wiss. Wien. Math.-Naturw. Kl. Abt. I. 137: 825-859. 1928. no. 10. (Rec'd S. 1929)

Schnarf, K.

Die embryologie der Liliaceae und ihre systematische bedeutung. Sitzungsb. Akad. Wiss. Wien. Math.-Naturw. Kl. Abt. I. 138: 69-92. 1929. no. 1/2.

V.11, no. 19, p. 28.

Soil Sci. (Baltimore)
Englis, D. T. & Gerber, L.
A study of diastase activity in plants: The effect of phosphates in the soil media. Soil Sci. 28: 221-223. S.1929. no. 9.

So. African Gard. (Johannesburg)
Bolus, L.
Mesembrianthemum and allied general (cont.) So. African Gard. 19: 244-245. illus. Ag. 1929. no. 8.

Marloth, R.
Friospermums. So. African Gard. 19: 249, 261. illus. Ag. 1929. no. 2.

Special Crops. (Skaneateles, N. Y.)
Diseases of ginseng and golden seal. Special Crops. 28: 201-208. Ag. 1929.
Letters to and from H. H. Whetzel.

Spec. Rep. Dept. Sci. & Industr. Res. Gt. Brit. Food Invest. (London)
Branfoot, M. H.
A critical and historical study of the pectic substances of plants. Spec. Rep. Dept. Sci. & Industr. Res. Gt. Brit. Food Invest. no.33. x, 154 p. front., illus., 2 pl. Jl. 1929.
Appendix. Bibliography of literature relating to the pectic compounds, by M. H. Branfoot and W. G. Ogg, p.139-154.

Spisy Přírod. Fak. Masaryk. Univ. (Publ. Fac. Sci. Univ. Masaryk)
Nábělek, F.
Iter turcico-persicum IV. Plantarum collectarum enumeratio. (Plumbagineae-Cyperaceae). Spisy Přírod. Fak. Masaryk. Univ. (Publ. Fac. Sci. Univ. Masaryk. no. 105. 48 p. illus., pl. i-iv. 1929.

Reference Book Sugar Ind. (Plant. & Sugar Manuf.)
Bell, A. F.
The distribution of sugar cane diseases. Reference Book Sugar Ind. (Plant. & Sugar Manuf.) 7: 31-32. 1929.

Cooke, M. T.
The dry top rot of sugar cane. Reference Book Sugar Ind. (Plant. & Sugar Manuf.) 7: 32. 1929.

Reference Book Sugar Ind. (Plant. & Sugar Manuf.) (cont.)

Faris, J. A.
Field control of sugar cane mosaic in Cuba. Reference Book Sugar Ind. (Plant. & Sugar Manuf.) 7: 32-35. map. 1929.

Flor, H. H.
Germination of P. O. J. canes. Reference Book Sugar Ind. (Plant. & Sugar Manuf.) 7: 30. 1929.

Hardy, F.
Some results of an ecological investigation of the sugar cane. Reference Book Sugar Ind. (Plant. & Sugar Manuf.) 7: 20-26. 1929.
Relationship between chemical composition and environmental growth conditions.

Succulenta. (Leeuwarden)

Voorwinde, F.
Echinocereus. Succulenta. 11: 191-194. illus. S.1929. no. 9.

Sugar. (N. Y.)

Brandes, E. W.
Plant quarantine practice in sugar migrations. Sugar. 31: 343-344, 354. illus. S.1929. no. 9.

Tropenpfl. (Berlin)

Zimmermann, A.
Die rindenbräune von Hevea. Tropenpfl. 32: 335-341. Ag.1929. no. 8.

Trop. Agriculture. West Indies. (Trinidad)

Briant, A. K. & Martyn, E. B.
Diseases of cover crops. Trop. Agriculture West Indies. 6: 258-260. pl. xi. S.1929.
Sunn hemp (Fusarium wilt; Colletotrichum curvatum; Cercospora leaf spot) - Sword bean (Sclerotium Rolfsii; soil deficiency) - Cow pea (Mosaic; Cercospora cruenta; Oidium sp.) - Pigeon pea (Uromyces dolicholi; stem canker)- Bengal bean (Corticium vagum; Cercospora leaf spot)

V.11, no. 19, p. 30.

Trop. Woods, Yale Univ. Sch. For. (New Haven, Conn.)

Curran, H. M.
The lands of Loba, Colombia. Trop. Woods, Yale Univ. Sci. For. 19: 11-38. S.1929.
Check list of the common names: p. 32-34.
Situated in the department of Bolivar.

Janssonius, H. H.
A contribution to the natural classification of the Euphorbiaceae. Trop. Woods, Yale Univ. Sch. For. 19: 8-10. S. 1929.

MacBride, J. F.
Cornus, a genus new to South America. Trop. Woods, Yale Univ. Sch. For. 19: 4-5. S. 1929.
C. peruviana and C. boliviana, new species.

Standley, P. C.
A new species of Sorocea from Colombia. Trop. Woods, Yale Univ. Sch. For. 19: 39. S.1929.
S. colombiana.

Standley, P. C.
The "tango" tree of Central America. Trop. Woods, Yale Univ. Sch. For. 19: 6-7. S. 1929.
Zollerina tango, sp. nov.

Trudy Prikl. Bot., Gen. i Selek. (Bull.Appl. Bot.,Gen. & Plant-Breed.) (Leningrad)

Flaksberger, K.
... Wheat in foreign herbaria. Trudy Prikl. Bot.,Gen. i Selek. (Bull. Appl. Bot., Gen. Plant-breed.) 21(5): 451-482. 1929.
Russian.

Korzhevin, V.
... On the species of the genus Guizotia and the utilization of some of them as oleiferous plants. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 21(5): 355-377. illus. 1929.
Russian.

Panshin, V. A.
... Sacchariferous plants of technical importance. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 21(5): 69-112. illus. (map.) 1929.
Russian.

Trudy Prikl. Bot., Gen.i Selek. (Bull.Appl. Bot., Gen. & Plant-Breed.) (cont.)

Smolianinova, L.
... Survey of the literature on the genus Corylus. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 21(5): 379-450. illus. (Incl. maps) 1929.
Russian.

Vavilow, N. I.
... Gavriil Semenovich Zaitzev, 1887-1929. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 21(5): iii-xvi. parts. 1929.
Bibliography: p. xvi.

Voronov, G.
... American rubber plants and the possibility of their naturalization in URSS. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-Breed.) 21(5): 3-68. illus. 1929.
Russian.

Univ. Calif. Publ. Bot. (Berkeley, Cal.)

Hollingshead, L.
Chromosome number and morphology in Nicotiana. III. Univ. Calif. Publ. Bot. 11: 257-264. illus. Ag.5, 1929. no. 14.
III. The somatic chromosomes of N. longiflora Cav.

Howell, J. T.
A systematic study of the genus Lessingia Cham. Univ. Calif. Publ. Bot. 16: 1-44. illus. Ag.5, 1929. no. 1.

Veröffentl. Geobot. Inst. Rubel Zürich.

Keller, P.
Pollenanalytische untersuchungen an Schweizermooren und ihre florengeschichtliche deutung. Veröffentl. Geobot. Inst. Rubel. Zürich. 5. 163 p. table. 1928 (Rec'd Jl.1929)

A Vinha Portug. (Lisbon)

Bensaude, M.
A degenerescência da batata. A Vinha Portug. 38: 6-8. illus. My./Jl.1929. no.451/453.

V.11, no. 19, p. 32.

Yearbk. Acad. Nat. Sci. Phila.

Street, J. F.

The orchids of the New Jersey Pine Barrens. Yearbk. Acad. Nat. Sci. Phila. 1928: 20-25. 3 pl. 1929.

Zapiski Semenoved. (Ann. Essais Semences Leningr.)

Bychikhina, E. A.

... Die niedrige Keimfähigkeit der reifenden winterweizen und einig daten über ihres laboratorische ausserung. Zap ski Semenoved. (Ann. Easais Semences Leningr.) 6: 203-214. 1929. no. 3.
Russian with German summary.

Struve, V. P.

... Einige versuche über aufkeimung von wiesengrassamen. Zapiski Semenoved. (Ann. Essais Semences Leningr.) 6: 187-202. 1929. no. 3.
Russian with German summary.

Zeitschr. Angew. Chem. (Leipzig)

Gassner, G.

Wesen, wirkung and bewertungchemischer pflanzenschutzmittel. Zeitschr. Angew. Chem. 42: 865-869 Ag.31, 1929. no. 35.

Zeitschr. Bot. (Jena)

Kammerling, H.

Ueber geschlechterverteilung und bastardierung von Ustilago longissima and ihrer varietät macrospora. Zeitschr. Bot. 22: 113-142. maps. 1929. no. 3.

Zeitschr. Indukt. Abstamm. u. Vererbungsl. (Leipzig)

Kattermann, G.

Eine bemerkenswerte ahrenanomalie in der F5einer kreuzung zwischen speltoid und Ägilops ovata typica Zeitschr. Indukt. Abstamm. u. Vererbungsl. 51: 373-378. illus., pl. iv. 1929. no. 2.

Zeitschr. Pflanzenernahr. Dung. u. Bodenk. A. Wiss. Teil. (Leipzig)

Sartorius, O.

Bodenreaktion und reben unter berücksichtigung verschieden kalkempfindlicher varietäten. Zeitschr. Pflanzenernahr. Dung. u. Bodenk. A. Wiss. Teil. 14: 354-370. 1929 no. 6.

V.11, no. 19, p. 33.

Der Züchter. (Berlin)

Brieger, F.
Vererbung bei artbastarden unter besonderer berücksichtigung der gattung Nicotiana. Der Züchter. 1: 140-152. illus. Ag. 1929. no. 5.

Zamlah, H.
Notwendigkeit, wege und ziele einer forstlichen pflanzenzüchtung. Der Züchter. 1: 157-161. Ag. 1929. no. 5.

Karpechenko, G. D.
Konstantwerden von art-und gattungsbastarden durch verdoppelung der chromosomenkomplexe. Der Züchter. 1: 133-140. illus. Ag. 1929. no. 5.

Exper. Stat. Publ.

Cayre, C. B.
Quality in celery as related to structures. Illinois Agr. Exp. Stat. Bull. 336: 559-588. illus. Ag. 1929.

Holland, E. B., Dunbar, C. O. & Gilligan, G. M.
Supplements for copper fungicides. Massachusetts Agr. Exp. Stat. Bull. 252: 94-112. Je.1929.

Magruder, R.
Early red, pink, and wilt-resistant tomatoes in 1928 test. Ohio Agr. Exp. Stat. Bimonth. Bull. 140: 165-172. S./O.1929.

Killough, D. T., Dunlavy, H. & Rea, H. E.
Varieties of cotton for the blackland region of central Texas. Texas Agr. Exp. Stat. Bull. 399. 47 p. Jl.1929.

New Books.

Arthold, M.
Handbuch des weinbaues... Wien & Leipzig, A. Hartleben's verlag, 1929.
Schädlinge und krankheiten des weinstockes: p.255-336.

Cauwenberghe, Edm.v.
Le rosier. Bruxelles, [1927]

V.11, no. 19, p. 34.

New Books. (cont.)

Combes, R.
De la cellule végétale. v. 2. Les enclaves de la matière vivante. Paris, A. Colin, 1929.

Corrêa, M. P.
Dicciomario das plantas uteis do Brasil e das exoticas cultivadas. v.1. Rio de Janeiro, Imprensa nacional, 1926.

Docters van Leeuwen, W. M.
Krakatau's new flora. In Krakatau (4th Pacific science congress) [Bandoeng, 1929] p. 57-79. 3 pl.

Edwards, A.
Rock gardens, how to plan and plant them. London, Ward, Lock & Co., 1929.

Hall, Sir A. D.
The book of the tulip. London, M. Hopkinson, 1929.

Unwin, C. W. J.
Sweet peas, their history, development and culture. 2d ed. Cambridge, Eng., W. Heffer & sons, 1929.

Reprints from Journals not yet rec'd or not available.

Kellerman, K. F.
"Hulled" and "dehulled". 1 p. Reprinted from Amer. Speech., v.4, no. 3. F.1929.

Orton, C. R.
Dominio de la enfermedades de las plantas que se trasmiten con las semillas. Serie sobre agriculture Union Panamer. no. 56. 25 p. illus. Ag. 1929.
Reprinted from Bol. Union Panamer.v.63, p. 839-860.

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C

Vol. 11, no.20. Sept.16-28, 1929.

Acta Bot. Fenn. (Helsingfors.)

Bärlund, H.
Permeabilitätsstudien an epidermiszellen von Rhoeo discolor. Acta Bot. Fenn. v.4/5, no.2. 117 p. 1929.

Poijärvi, L.A.P.
Ueber die basenpermeabilitat pflanzlicher zellen. Acta Bot. Fenn. v.4/5. no.1. 102 p. 1929.
Experiments with Rhoeo (Tradescantia) discolor, Tradescantia virginica & Lemna minor.

Amer. Bot. (Indianapolis, Ind.)

Clute, W.N.
Botanical essays. XVII-XIX. Amer. Bot. 35: 81-87. Jl.1929. no.3.
Flowers that are not flowers - Color in plants - Insects and plants.

Clute, W. N.
The meaning of plant names XXXIX. The sunflowers. Amer. Bot. 35: 103-109. Jl. 1929. no. 3.

Clute, W.N.
Rare form of walking fern. Amer. Bot. 35: 99-102. illus. Jl.1929. no.3.
Camptosorus rhizophyllus auriculatus.

Color of Trillium declinatum. Amer. Bot. 35: 112-113. Jl.1929. no.3.
Also of T.erectum.

Cornels and viburnums. Amer. Bot. 35: 109-111. Jl. 1929. no.3.

Lombard, L. H.
Clematis. Amer. Bot. 35: 97-99. Jl. 1929. no.3.

V.11, no.20, p.2.

Amer. Bot. (cont.)
Soth, Mrs. M.E.
Some western parsnips. Amer. Bot. 35: 93-97. Jl.1929. no.3.

Amer. Midl. Nat. (Notre Dame, Ind.)
Bush, B. F.
The Mexican species of Tilia. Amer. Midl. Nat. 11: 543-560. S. 1929. no.11.

Ann. Ecole Nat. Agr. Grignon.
Aurousseau,
Notice sur Jean Dumont. Ann. Ecole Nat. Agr. Grignon. 12: 47-49. port. [1929?]

Couvreur, M.
Notice sur L.-F. Henneguy, 1850-1928. Ann. Ecole Nat. Agr. Grignon. 12: 5-16. port. [1929?]

Arch. Koffiecult. (Batavia)
Bally, W.
Spinnewebziekten en djamoer oepas bij koffie. Arch. Koffiecult. v.3, no.1. 24 p. illus., 2 pl. Je.1929.
English summary (Thread blights and pink disease on coffee): p.22.

Arch. Rubbercult. Nederl.-Ind. (Batavia, Java)
Bally, W.
Twee zwarte wortelschimmels van Hevea. (Two black root-fungi in Hevea). Arch. Rubbercult. Nederl.-Ind. 13: 431-444. pl. i-iii. Ag.1929. no. 8.
Rosellinia bunodes, Xylaria thwaitesii.
English summary: p.442-443.

Biochem. Zeitschr. (Berlin)
Stoklasa, J.
Ueber den einfluss des jodions auf das wachstum und die zellvermehrung der halophyten. Biochem. Zeitschr. 211: 213-228. illus. Ag.14, 1929. no.1/3.

Blätt. Pflanzenb. u. Pflanzenzücht.
Jakowatz, A. & Zimmermann, F.
Versuche zur bekämpfung von ackerunkräutern mit "raphanit" und "hedolit". Blätt. Pflanzenb. u. Pflanzenzücht. 7: 61-63. Ag.1929. no.3.

Bol. Acad. Nac. Cienc. Córdoba.
Seckt, H.
Estudios hidrobiológicos en la Argentina IV. Conjugatae. Bol. Acad.Nac. Cienc. Córdoba. 31: 19-71. pl. i-viii. 1929. no.1/2.

Bol. Mens. Olivicult. (Tortosa)
Procedimiento para combatir la carie del olivo. Bol. Mens. Olivicult. 128: 937. Ag.1929.
Fomes fulvus.

Bol. Min. Agr. Industr. e Comm. Brazil. (Rio de Janeiro)
Teixeira da Fonseca, E.
Plantas brasileiras (Jacaré-uba ou guanandy). Bol. Min. Agr. Industr. e Comm. Brazil. 1: 817-824. Je. 1929. no.6.
Calophyllum brasiliense.

Bol. Patol. Veg. y Entom. Agr. (Madrid)
Benlloch, M.
La "roya" del peral. Bol. Patol. Veg. y Entom. Agr. 3: 156-160. illus. Jl./D.1929.(Rec'd S. 1929) no.12/14.

D.Leandro Navarro. Bol. Patol. Veg. y Entom. Agr. 3: 242-245. port. Jl./D.1929.
Principales publicaciones le D.Leandro Navarro; p.244-245.

Bot. Gaz. (Chicago)
Campbell, R. S.
A case of phyllody in Yucca elata. Bot. Gaz. 88: 109-110. illus. S.1929. no. 1.

Church, G. L.
Meiotic phenomena in certain Gramineae. II. Paniceae and Andropogoneae. Bot. Gaz. 88: 63-84. pl.iv-vi. S.1929. no.1.

Bot. Gaz. (cont.)

Haas, A. R. C.
Effect of nitrate salts upon growth and composition of tobacco leaves. Bot. Gaz. 8: 96-102. illus. S.1929. no.1.

Haupt, A. W.
Studies in Californian Hepaticae. II. Fossombronia longiseta. Bot. Gaz. 88: 103-108. pl. vii. S.1929. no.1.

Johnson, D. S.
Development of antheridium and spermatozoid in Plagiochila adiantoides Lindb. (Swartz). Bot. Gaz. 88: 38-62. illus., pl.i-iii. S.1929. no.1.

Link, G. K.K.
Reproduction in thallophytes, with special reference to fungi. Bot. Gaz. 88: 1-37. S.1929. no.1.

Turner, T. W.
Effect of mineral nutrients upon seed plants. II- Bot. Gaz. 88: 85-95. S.1929. no.1.
II. Phosphates.

Bulet. Grad. Bot. Univ. Cluj. (Roumania)

Nyárády, E. I.
Studiu preliminary asupra unor specii de Alyssum din sectia Odontarrhena (Vorstudium über einige arten der section Odontarrhena der gattung Alyssum) (cont.) Bulet. Grad. Bot. Univ. Cluj. 9: 1-69. illus. 1929. no.1/2.

Bull. Agence Gén. Colon. France. (Paris)

Heim de Balsac, F., Dagand, G.S., Heim de Balsac, H., Lefèvre, L. & Maheu, J.
La graine oléifère et l'huile de thé. (Thea sinensis L.) Bull. Agence Gén. Colon. France. 22: 853-873. 3 pl. (1 fold.) Ag.1929. no.247.

Heim de Balsac, F., Maheu, J., Cercelet, M., Heim de Balsac, H. & Lefèvre, L.
Valeur papetière du bois de "Simarouba" de la Guyane française. Bull. Agence Gén. Colon. France. 22: 660-668. 3 pl. (1 fold.) Je.1929. no.245.

Bull. Bern. P. Bishop Mus. (Honolulu)
Miller, C. D.
Food values of breadfruit, taro leaves, coconut and sugar cane. Bull. Bern. P.Bishop Mus. 64. 23 p. 1929.

Bull. Dept. Agr. Canada. (Ottawa)
Berkeley, G. H.
Raspberry diseases. Bull. Dept. Agr. Canada. 114: 24-28. 1929.

Davis, M. B.
The raspberry and its cultivation in Canada. Bull. Dept. Agr. Canada. 114: 1-17. illus., 3 col. pl. 1929.

Bull. N.Y. Bot. Gard.
Fulling, E. H.
A guide to the Pinetum. Bull. N.Y. Bot. Gard. v.14, no.51. 165 p. illus. Ag.30,1929.

Comment. Biol. Soc. Sci. Fenn. (Helsingfors)
Buch, H.
Die scapanien Nordeuropas und Sibiriens. Comment. Biol. Soc. Sci. Fenn. v.3, no.1. 173 p. illus., map. 1928 (Rec'd S.1929).

Comp. Comm. Rep. Philipp. Sugar Assoc.
Lee, H. A. & Medalla, M. G.
The structure of the sugar-cane plant in relation to cultivation practices. Comp. Comm. Rep. Philipp. Sugar Assoc. 6(1928): 44-46. pl. [1929]

Compt. Rend. Soc. Biol. Paris.
Fontaine, M.
De l'action des fortes pressions sur les cellules végétales. Compt. Rend. Soc. Biol. Paris. 101: 452-454. 1929. no.20.
Experiments with Elodea.

Country Gentleman (Philadelphia)
Cates, J. S.
Orchard miracles. Country Gentleman. 94(10): 1-5, 114. illus. O.1929.
A plum-peach union. Laying the ghost of phony. A phenomenal new strawberry. The matter of fertilization. New and sensational small fruits. A new plan with roses. Taming the blueberry. The promising bush cherry.

Erdész. Kisérl. (Hungary) (Sopron)
Magyar, P.
Gyökérvizsgálatok csemetekerti és szike talajban. (Wurzelstudien in pflanzengarten und auf szikboden). Erdész. Kisérl. (Hungary) 31: 117-165. illus. 1929. no.2.
German translation: p.229-243.

Ernähr. Pflanz. (Berlin)
Merkenschlager, F.
Zur geographie der kartoffel. Ernahr. Pflanze. 25: 393-398. illus. S.1, 1929. no.17.

Reiling, H.
Formen und ursachen des abbaus der kartoffel. Ernähr. Pflanze. 25: 405-409. illus. S.1,1929. no.17.

Schmitt, L.
Was ist unter der bezeichnung "pH" zu verstehen? Ernähr. Pflanze. 25: 410-412. S.1, 1929. no.17.

Facts about Sugar. (N.Y.)
North, D. S.
The bacterial-vascular diseases of sugar cane. Facts about sugar. 24: 880-881. S.14, 1929. no.37.
Gumming, leaf scald.

Flor. Exch. (N.Y.)
Weiss, F.
The use of fungicides in connection with the hot water treatment of narcissus bulbs. Flor. Exch. 62: 13, 43. S.21,1929. no.3.
In order to prevent contamination of healthy bulbs during the hot water treatment, it is advantageous to employ a fungicide in the water; mercuric compounds and formaldehyde have proved best among those tested.

Gard. Chron. (London)
Darnell, A. W.
The genus Primula. (cont.) Gard. Chron. III, 86:184. S.7,1929. no.2228.

Friend, H.
Problems of plant life. VII. Leaves and their function. Gard. Chron. III, 86: 187-188. illus. S.7, 1929. no.2228.

Gard. Chron. (cont.)

Robinson, G. W.
An English gardener in Chili. Gard.Chron. III, 86: 185. illus. S.7, 1929. no.2228.

Ward, F.K.
Mr. F. Kingdon Ward's tenth expedition in Asia. XXIX. Ups and downs. Gard. Chron. III, 86: 186-187. illus. S.7, 1929. no.2228.

Gard. Illus. (London)

Cowley, H.
Ten days in Leventina. The diary of a visit to the Alps of Val Ticino and around Piora. (cont.) Gard. Illus. 51: 612-613. illus. S.7, 1929. no.2635.

Gartenw. (Berlin)

Reinhold, J.
Unkrautbekämpfung durch chemikalien. Gartenw. 33: 484-485. illus. Ag.30,1929. no.35.

House & Gard. (Greenwich, Conn.)

Mead, F. B.
Among the newer daffodils. House & Gard. 56(4): 110-111. 154,156, 158, 164. illus. O.1929.

Morgan, W. P.
The freesia comes into its own as a flower for hybridizing. House & Gard. 56(4): 94, 170, 172. illus. O.1929.

Rowntree, L.
California wildflowers for the east. House & Gard. 56(4): 104-105, 166,176. illus. O. 1929.

Wilder, L. W.
Flowers that have run away. House & Gard. 56(4): 102-103, 174, 176. illus. O.1929.
Escapes from gardens.

Wilson, E. H.
Consider the root - how it grows. House & Gard. 56(4): 83-87, 162, 164. illus. O.1929.

Indische Cult. (Soerbaja)
Sands, W. N.
Proeven met katoen in Malakka. Indische Cult. 14: 688-692. illus. Ag.16, 1929. no.16.

Ital. Agr. (Milan)
Happacher, E.
Deformazione patologica dei frutti del susino. Ital. Agr. 66: 553-556. illus. Jl.1929. no.7.

Todaro, F., Crescini, F. & Tettamanzi, A.
Sulla resistenza del grano alle basse temperature. Ital. Agr. 66: 546-552. Jl.1929. no.7.

Jard. Agrém. (Bruxelles)
Broeck, E.van den.
Glanures dans le domaine fleuri des orchidées rustiques. II. Les organes souterrains des orchidées terrestris. B. Le role aerien et souterrain joué par les associations végétales des orchidées. Jard. Agrém. 8: 130-140. S.1929. no.9.

Journ. Agr. Prat. (Paris)
Lesourd, F.
Histiore des plantes, houlque laineuse (Holcus lanatus L.) Journ. Agr. Prat. n.s., 52(2): 198-200. illus. S.7, 1929. no.36.

Jour. Agr. Res. (Washington)
Hurd-Karrer, A.M.
Relation of leaf acidity to vigor in wheat grown at different temperatures. Journ. Agr.Res. 39: 341-350. illus. S.1, 1929. (S.13) no.5.

Stewart, G. & Heywood, D.E.
Correlated inheritance in a wheat cross between Federation and a hybrid of Sevier x Dicklow. Journ. Agr.Res. 39: 367-392. illus. S.1,1929 (S.13) no.5.

Tapke, V. F.
Influence of varietal resistance, sap acidity, and certain environmental factors on the occurrence of loose smut in wheat. Journ. Agr. Res. 39: 313-339. illus. S.1,1929 (S.13) no.5.

Journ. Agr.Res. (cont.)

Weimer, J. L.

Additional hosts of Fusarium oxysporum var. medicaginis. Journ. Agr. Res. 39: 351-353. S.1, 1929 (S.13) no.5.

Journ. Amer. Soc. Agron. (Geneva, N.Y.)

Brunson, A.M. & Willier, J.G.

Correlations between seed ear and kernel characters and yield of corn. Journ. Amer. Soc. Agron. 21: 912-922. S.1929. no.9.

Bryan, O. C.

The stimulating effect of external applications of copper and manganese on certain chlorotic plants of the Florida Everglades soils. Journ. Amer. Soc. Agron. 21: 923-933. illus. S.1929. no.9.

Janssen, G.

The relationship of organic root reserves and other factors to the permanency of alfalfa stands. Journ. Amer. Soc. Agron. 21:895-911. illus. S.1929. no.9.

Jones, J. W.

Distribution of anthocyan pigments in rice varieties. Journ. Amer. Soc. Agron. 21: 867-875. S.1929. no.9.

Stringfield, G. H.

Inoculating wheat with loose smut. Journ. Amer. Soc. Agron. 21: 937-938. S.1929. no. 9.

Ware, J. O.

Inheritance of lint percentage in cotton. Journ. Amer. Soc. Agron. 21: 876-894. illus. S.1929. no.9.

Journ. Ecol. (Cambridge, Engl.)

Burtt, B. D.

A record of fruits and seeds dispersed by mammals and birds from the Singida district of Tanganyika territory. Journ. Ecol. 17: 351-355. Ag.1929. no.2.

Journ. Ecol. (cont.)

Clements, F. E.
Experimental methods in adaptation and morphogeny. Journ. Ecol. 17: 356-379. Ag.1929. no.2.

Livingston, B. E. & Haasis, F.W.
The measurement of evaporation in freezing weather. Journ. Ecol. 17: 315-328. pl. xxiv. Ag.1929. no.2.

Petrie, A.H.K.
The vegetation of the Blacks' Spur region. A study in the ecology of some Australian mountain Eucalyptus forests. Journ. Ecol. 17: 223-248, 249-281. illus., pl.xvii-xxiii. Ag.1929. no.2.
P.H. Jarrett, joint author I-II, R.T. Patton, I.
I. The mature plant communities. II. Pyric succession.

Salisbury, E. J.
The biological equipment of species in relation to competition. Journ. Ecol. 17: 197-222. illus. pl. xiv-xvi. Ag.1929. no.2.

Soó, R.de.
Die vegetation und die entstehung der ungarischen Puszta. Journ. Ecol. 17: 329-350. pl.xxv-xxvi. Ag.1929. no.2.

Weiss, F. E.
Richard Henry Yapp, 1871-1929. Journ. Ecol. 17: 405-408. port. Ag.1929. no.2.

Journ.Hered. (Wash., D.C.)

Clark, C.F.
A Solanum hybrid, resulting from a cross between S.fendleri and S.chacoense. Journ. Hered. 20: 391-394. illus. Ag.1929. no. 8.

Hartman, H.
Hybrids between Pyrus malus and Pyrus fusca. Journ. Hered. 20: 379-380. illus. Ag.1929. no.8.

Journ. Hered. (cont.)

Morgan, W. P.
A new variety of freesia. Journ. Hered. 20: 357-358. illus. Ag.1929. no. 8.

Nicolas, J. H.
The carnation rose. An unusual teratologic variation. Journ. Hered. 20: 389-390. illus. Ag. 1929. no. 8.

Skinner, F. L.
Precocious lilac hybrids. Journ. Hered. 20: 375-377. illus. Ag.1929. no. 8.

Journ. N.Y. Bot. Gard.

Britton, E. G.
Wild plants needing protection. 14. "Virginia cowslip" or "bluebells" (Mertensia virginica (L.) DC. Journ. N.Y. Bot. Gard. 30: 209-211. col.pl.304. S.1929. no.357.

Fulling, E. H.
Decorative mixed coniferous-evergreen collections in the New York botanical garden. Journ. N.Y. Bot. Gard. 30: 212-228. illus. S.1929. no.357.

Journ. Washington Acad Sci.

Trelease, W.
New Piperaceae from Central America and Mexico. Journ.Washington Acad.Sci. 19: 327-337. S.19, 1929. no. 15.

Landw. Jahrb. (Berlin)

Lüstner, G.
Bericht über die tätigkeit der pflanzenpathologischen versuchsstation für das jahr 1928. Landw. Jahrb. 69(Erganzungsbd): 104-112. 1929.
K.Lehranstalt für wein-,obst- und gartenbau,Geisenheim.

Schander, R.
Bericht über die tätigkeit des Instituts für pflanzenkrankheiten und der hauptstelle für pflanzenschutz der provinzen Grenzmark und Bradenburg rechts der Oder. Landw. Jahrb. 69(Ergänzungsbd.): 226-258. illus. 1929.

Nat. Pecan Grow. Assoc. Bull. (Mobile)

Demaree, J. B.
How growers are meeting the pecan scab situation. Nat. Pecan grow. Assoc. Bull. 2.(1 - Rep. Proc. 27th Ann. Conv.): 106-110. [1929]

Isbell, C. L.
Growth habits of the pecan. Nat. Pecan Grow. Assoc. Bull. 2(1 - Rep. Proc. 27th Ann. Conv.): 60-78. illus. [1929]

Reed, C. A.
Pecan pollination and breeding investigations by the United States Department of Agriculture. Nat. Pecan Grow. Assoc. Bull. 2 (1 - Rep. Proc. 27th Ann. Conv.): 140-145. [1929]

Woodroof, J.G. & Woodroof, N. C.
The dropping of pecans. Nat. Pecan Grow. Assoc. Bull. 2 (1- Rep. Proc. 27th Ann. Conv.): 28-34. illus. [1929]

Orchid Rev. (Richmond, England)

Rules and recommendations for the nomenclature of garden plants. Orchid Rev. 37: 264-269. S. 1929. no. 435.

Smith, J. J.
Bulbophyllum basisetum. Orchid Rev. 37: 275. S.1929. no.435.

Plant Physiology.

Cruess, W.V. & Fong, W.Y.
The effect of pH value and hydrogen peroxide concentration on fruit oxidase activity. Plant Physiology. 4: 363-366. Jl.1929. no.3.

Gerhardt,F.
Effect of acid and alkaline hydrolysis on the estimation of hemicellulose and associated groups in young apple wood. Plant Physiology. 4: 373-383. Jl.1929. no.3.

Gustafson, F.G.
Growth studies on fruits, respiration of tomato fruits. Plant Physiology. 4: 349-356. illus. Jl.1929. no. 3.

Plant Physiology (cont.)

Harvey, E. M.
Some observations on the microchemical demonstration of phloridzin. Plant Physiology. 4: 357-361. illus. Jl.1929. no.3.

Hurd-Karrer, A.M. & Taylor, J.W.
The water content of wheat leaves at flowering time. Plant Physiology. 4: 393-397. illus. Jl.1929. no.3.

Knight, H., Chamberlin, J. C. & Samuels, C.D.
On some limiting factors in the use of saturated petroleum oils as insecticides. Plant Physiology. 4: 299-321. illus. Jl.1929. no.3.

Reed, E.
Testing the sugar content of beets for genetical purposes. Plant Physiology. 4: 367-371. Jl. 1929. no.3.

Sayre, J. D.
Opening of stomata in different ranges of wave lengths of light. Plant Physiology. 4: 323-328. illus. Jl.1929. no.3.

Schertz, F. M.
The pure pigments, carotin and xanthophyll, and the Tswett adsorption method. Plant Physiology. 4: 337-348. Jl. 1929. no.3.

Sponsler, O. L.
Mechanism of cell wall formation. Plant Physiology. 4: 329-336. illus. Jl.1929. no.3.

Willaman, J. J. & Child, A.M.
Influence of shape on the chemical composition of potato tubers. Plant Physiology. 4: 385-392. Jl.1929. no.3.

Planta, Arch. Wiss. Bot. (Berlin)

Dostál, R.
Ueber Caulpera-fruktifikation unter künstlichen kulturbedingungen. Planta Arch.Wiss. Bot. 8: 680-684. Ag.24, 1929. no.4.

Planta, Arch. Wiss. Bot. (cont.)

Frenzel, P.
Ueber die porengrössen einiger pflanzlicher zellmembranen. Planta Arch.Wiss. Bot. 8: 642-665. illus. Ag.24,1929. no.4.

Friesen, G.
Untersuchungen uber die wirkung des phenylurethans auf samenkeimung und entwicklung. Planta Arch. Wiss. Bot. 8:666-679. illus. Ag.24,1929. no.4.

Porodko, T.M.
Die ursachen des anomalen längenwachstums der hauptwurzeln. Planta Arch. Wiss. Bot. 8: 625-641. Ag.24,1929. no.4.

Schlösser, L. A.
Geschlechterverteilung und fakultative parthenogenese bei saprolegniaceen. Planta Arch. Wiss. Bot. 8: 529-570. illus. Ag.24,1929. no.4.

Walter, H. & Walter, E.
Oekologische untersuchungen des osmotischen wertes bei pflanzen aus der umbegung des Balatons (Plattensees) in Ungarn wahrend der durrezeit 1928. Planta Arch. Wiss. Bot. 8: 571-624. illus. Ag.24,1929. no.4.

Plant. & Sugar Manuf. (New Orleans)

Richardson, P.
Relation between sugar cane varieties and the agricultural problems prevailing in some zones in Porto Rico. Plant. & Sugar Manuf. 83: 221-222. S.21, 1929. no. 12.

Proc. Assoc. Off. Seed Anal. No.Amer.

Franck, W.J. & Wieringa, G.
Artificial drying and low temperature as means employed in obtaining an increase in germination of some vegetable seeds. Proc. Assoc.Off.Seed Anal. No.Amer. 19: 24-27. F.1928 (Rec'd S.1929)

Hillman, F. H.
The botany of seed testing. Proc. Assoc. Of Seed Anal. No. Amer. 19: 15-24. illus. F.1928. (Rec'd S.1929)

Proc. Assoc. Off. Seed Anal. No.Amer. (cont.)

Leendertz, K.
Means of identifying red fescue and sheep's fescue. Proc. Assoc. Off. Seed Anal. No.Amer. 20: 56-57. F.1928(Rec'd S.1929)

Spracher, M.L.
Further studies of corn germination. Proc. Assoc. Off. Seed Anal. No.Amer. 19: 27-34. illus. F.1928 (Rec'd S.1929)

Whitcomb, W.O.
The problem of making germination tests of scarified seed. Proc. Assoc. Off. Seed Anal. No.Amer. 20: 74-81. illus. F.1928 (Rec'd S.1929)

Repert. Spec. Nov. Beih. (Dahlem)

Beiträge zur systematik und pflanzengeographie VI.
Repert. Spec. Nov. Beih. v.56. 240 p. 1929.

Katz, N.J. Zur kenntnis der niedermoore in norden des Moskauer gouvernements. 56: 1-79. pl. i-ii. 1929.

Lüdi, W. Sukzession der pflanzengesellschaften und bodenreifung in der alpinen stufe der Schweizer Alpen. 56: 81-92. pl. iii. 1929.

Pilger, R. Die sporangiophor-theorie und die herkunft der coniferen. 56: 91-101. 1929.

Flaksberger, C. Ueber künstliche und natürliche klassifikation des weizens. 56: 102-123. 1929.

Mattick, F. Das Moritzburger teichgebiet und seine pflanzenwelt. 56: 125-166. pl.iv-ix. (3 fold.) 1929.

Warburg, O. Heimat und geschichte der lilie. (Lilium candidum). 56: 167-204. pl.x-xi. 1929.

Fedde, F. Ueber die ursachen des rückganges der systematischen botanik und der pflanzengeographischen forschung in Deutschland. II. 56: 204-212. 1929.

Melchior, H. Zur berbreitung der Valeriana celtica L. 56: 213-231. pl. xii (fold.) 1929.

Melchior, H. Ueber die systematische gliederung und phylogenie der theaceen. 56:232-235. 1929.

Braun-Blanquet, J. Ueber die vegetation von Marokko. 56: 236-238. 1929.

Fedde, F. Ueber den unterschied zwischen floristik und "wissenschaftlicher" botanik. 56: 239-240. 1929.

Repert. Spec. Nov. Beih. (cont.)
Hayek, A. & Markgraf, F.
Prodromus florae peninsulae Balcanicae. bd.2, lfg.2. Repert. Spec. Nov. Beih. v.30, pt.2. p. 97-240. Jl.20,1929.

Rev. Agr. Santo Domingo.
Ciferri, R.
La esterilizacion de los semilleros de tabaco con los compuestos mercuriorcanicos Bayer. Rev. Agr. Santo Domingo. 20: 4-5. F.1929 (Rec'd S.1929) no.1.

Rhodora. (Boston)
Blake, S. F.
Two Cyperaceae new to the Boston district. Rhodora. 31: 191-192. S.1929. no.369.
Cyperus houghtonii, Carex polymorpha.

Fernald, M.L.
The author of Athyrium alpestre. Rhodora. 31: 165-166. S.1929. no.369.
The author is Thomas G. Rylands, a microscopist of Warrington, England. Rylands is not a misprint of Nylander, as originally used by Moore.

Svenson, H. K.
Monographic studies in the genus Eleocharis. (cont.) Rhodora. 31: 167-191. pl. 189. S.1929. no.369.

Schweiz. Obst.- u. Gartenb. Zeit. (Münsingen)
Guanter, I.
Eletrische pflanzenbelichtung. Schweiz. Obst.- u. Gartenb.-Zeit. 1929: 296-298. S.1929. no.18.

Schmidt, E.
Zur vorbeugung gegen pilzkrankheiten an chrysanthemem. Schweiz. Obst. - u. Gartenb.-Zeit. 1929: 298-299. S.1929. no.18.

Schweiz. Zeitschr. Obst- u. Weinb. (Wadenswil)
Osterwalder, A.
Die Phytophthora-krankheit des kernobstes, eine noch wenig bekanute obstfäulnis. Schweiz. Zeitschr. Obst- u. Weinb. 38: 329-332. illus. S.7,1929. no.18.

Science. (Lancaster, Pa.)
Chlorophyll and plant growth. Science. n.s. v.70, no. 1812. Suppl. p.xii. S.20,1929.
Work of Dr. H.B. Sprague and Dr. J.W. Shive.

Jacobson, H.G.M. & Swanback, T.R.
Manganese toxicity in tobacco. Science. n.s. 70: 283-284. S.20, 1929. no.1812.

Scient. Month. (Lancaster, Pa.)
Bioletti, F. T.
Reminiscences of an amateur botanist. Scient. Month. 29: 333-339. O. 1929. no.4.

Sadtler, R. E.
The chemistry of the formation of poisons in plants. Scient. Month. 29: 369-371. O.1929. no.4.

Spec. Rep. Ser. Med. Res. Counc. Gt.Brit.
Orr, J.B. & Leitch, I.
Iodine in nutrition. A review of existing information. Spec. Rep. Ser. Med. Res. Counc. Gt.Brit. no.123. 108 p. 1929.
Iodine content of plants: p.18-21 - The effect of iodine on plant metabolism: p.29-35.

Tidsskr. Planteavl. (København)
Plantesygdomme i Danmark 1928. Oversigt, samlet ved statens plantepatologiske forsøg. (Plant diseases and pests in Denmark 1928.) Tidsskr. Planteavl. 35: 420-471. illus. 1929. no.3.
English summary: p.470-471.

Tijdschr. Plantenz. (Amsterdam)
Goossens, J.A.A.M.H.
Ascochyta-ziekten bij erwten. Tijdschr. Plantenz. 35: 237-239. 1929. no.8.

Schoevers, T.A.C.
Een proef met zwavelzure kali tegen "randjesziekte" bij roode bessen. Tijdschr. Plantenz. 35: 231-233. 2 col. pl. 1929.

Tijdschr. Plantenz. (cont.)
Wellensiek, S. J.
Een antwoord aan J. Oortwijn Botjes en een advies aan de praktijk inzake droge of vochtige bewaring van aardappels. Tijdschr. Plantenz. 35: 234-236. 1929. no.8.
English summary: p.236.

Trop. Agr. (Ceylon) (Peradeniya)
Haigh, J. C.
Macrophomina phaseoli (Maubl.) Ashby and Rhizoctonia bataticola (Taub.) Butl. Trop. Agr. 63: 3-4. Jl.1929. no. 1.

Mitchell, J.
Note on brown bast treatment. Trop. Agr. 63: 10. 1 pl. Jl.1929. no. 1.

Sylva, K.J.A.
Renanthera (Aracanthe) maingayi (Scorpion or spider orchid. Trop. Agr. 63: 5-6. 1 pl. Jl. 1929. no.1.

Taylor, R. A.
An indirect method of measuring the amount of foligge on different blocks of trees. Trop. Agr. 63: 11-12. 3 pl. Jl. 1929. no. 1.

Trudy Sredne-Aziat. Gosud. Univ. (Acta Univ. Asiae Med.) (Tashkent)
Blagoveschensky, A.V.
... Investigations on the cotton-plant morphology I- Trudy Sredne-Aziat. Gosud. Univ. (Acta Univ. Asiae Med.) ser.VIII-b, fasc. 4. 28 p.; fasc.5. 12 p 1929.
A.G. Toshchevikova joint author I-, I.M. Kurbatov, I, V.A. Bogoliubova, II.
Russian with English summary.

Drohov, V. P.
... Sandwüste "Kara-kum" neben der station Repetek und ihre vegetation. Trudy Sredne-Aziat. Gosud. Univ. (Acta Univ. Asiae Med.) VIII-B, fasc. 1. 28 p. 1928(Rec'd S.1929)
Russian with German summary.

Trudy Sredne-Aziat. Gosud. Univ. (Acta Univ. Asiae Med.) (cont.)
Tashkent. Université de l'Asie centrale.
Schedae ad herbarium florae Asiae Mediae a Universitate Asiae Mediae editum. fasc. 14-20. Trudy Sredne-Asiaz. Gosud. Univ. (Acta Univ. Asiae Med.) VIII-b, fasc. 3. 120 p. 1928 (Rec'd S.1929)

U.S. Dept. Agr. Techn. Bull.
Darrow, G. M.
Development of runners and runner plants in the strawberry. U.S. Dept. Agr. Techn. Bull. no.122. 28 p. illus. Ag.1929.

Marsh, C.D. & Others.
Arrow grass (Triglochin maritima) as a stock-poisoning plant. U.S. Dept. Agr. Techn. Bull. 113. 14 p. illus. Je.1929.

Wiss. Arch. Landw. Abt.A. Pflanzenbau. (Berlin)
Kampe, K.
Studien über bewurzelungsstärke und wurzeleindringungsvermögen verschiedener kulturpflanzen. Wiss. Arch. Landw. Abt. A. Pflanzenbau. 2: 1-48. Ag.28, 1929. no.1.

Rathlef, H.von.
Die generative fruchtbarkeit der einzelnen kartoffelsorten und ihre verwendbarkeit in der züchtung. Wiss. Arch. Landw. Abt. A.Pflanzenbau. 2: 49-171. Ag.28, 1929. no.1.

Zeitschr. Gesamte Getreidew. (Berlin)
Lindner, P.
Naturwissenschaftliche plauderei über die anatomie und physiologie des getreidekornes. (cont.) Zeitschr. Gesamte Getreidew. 16: 177-180. Ag.1929. no.8.

Zeitschr. Pilzk. (Leipzig)
Koch,
Eine neue trüffel? Zeitschr. Pilzk. 13(n.s. 8): 125. Ag.27, 1929. no.8.
Stephensia neglecta.

Schäffer, J.
Der gabeltäubling, Russula furcata P. Zeitschr. Pilzk. 13(n.s.8): 114-120. Ag.27, 1929. no.8.

Zeitschr. Pflanzenkr. (Stuttgart)
Merkel, L.
Beiträge zur kenntnis der mosaikkrankheit der familie der papilionaceen. Zeitschr. Pflanzenkr. 39: 289-347. illus. 1929. no.8/9.

Zeitschr. Pflanzenzucht. (Berlin)
Eriksson, Gösta
Erbkomplexe des rotklees und der erbsen. Zeitschr. Pflanzenzucht. 14: 445-475. illus. Ag.1929. no. 4.

Hornburg, P.
Untersuchung über eine roggenabnormität. Zeitschr. Pflanzenzucht. 14: 509-513. illus. Ag.1929. no.4.

Opitz, K. & Hoffmann, W.
Züchtungsversuche mit lein. Zeitschr. Pflanzenzucht. 14: 411-443. Ag.1929. no.4.

Riede, W.
Eine durch klimatische faktoren ausgelöste zytoidioplasmatische veränderung bei Phaseolus vulgaris. Zeitschr. Pflanzenzucht. 14: 501-508. Ag. 1929. no.4.

Zeitschr. Untersuch. Lebensm. (Berlin)
Friese, W.
Ueber die mineralbestandteile von pilzen. Zeitschr. Untersuch. Lebensm. 57: 604-613. Je.1929. no.6.

Niethammer, A.
Die mikroskopischer pollenanalyse böhmischer honigsorten 2. mitteilung. Zeitschr. Untersuch. Lebensm. 57: 537-549. illus. Je. 1929. no.6.

Exper. Stat. Publ.
Miller, J. C.
A study of some factors affecting seed-stalk development in cabbage. Bull. Cornell Agr. Exp. Stat. no.488. 46 p. illus. Je.1929.

Exper. Stat. Publ. (cont.)

Erwin, A.T. & Haber, E.S.
Species and varietal crosses in cucurbits.
Iowa Agr. Exp. Stat. Bull.263. 372 p. illus.
Je. 1929.

Hughes, H.D., Robinson, J.L. & Bryan, A.A.
High yielding strains and varieties of corn for Iowa. Iowa Agr. Exp. Stat. Bull.265. 80 p. illus. Jl.1929.

New Jersey agricultural experiment station - Dept. of plant pathology.
Shade leaf troubles. Nursery Dis.Notes.
New Jersey Agr. Exp. Stat. v.2, no.2. 4 p. Ag. 1929.
Scorch, anthracnose, mildew, leaf spots.
Mimeographed.
Reprinted in Flor.Exch. 71(17): 30, 35.
Ag.24, 1929.

State Publications.

Milbrath, D. G.
Plant pathology. Month. Bull. Calif. Dept. Agr. 17: 683-690. 1929. no.12.

New Books.

Abderhalden, E.
Handbuch der biologischen arbeitsmethoden abt. XI, teil 4, heft 1 (lfg. 300). 1929.
Hustedt, F. Vom sammeln und präparieren der kieselalgen... - Gaffron, H. Methoden zur untersuchung der kohlensäureassimilation - Kotte, W. Methoden zum nachweis pflanzliche wundhormone. - Stålfelt, M. G. Neuere methoden zur ermittlung des öffnungszustandes der stomata.

Domin, K. & Podpěra, J.
Klíč k úplné květene republiky Československé. Jako druhé vydání Polívkova Klíče ... [Key to the flora of the Czechoslovak republic] Olomouci, R. Promberger, 1928.

Ewert, R.
Blühen und fruchten der insektenblütigen garten- und feldfrüchte unter dem einfluss der bienenzucht. Neudamm, J. Neumann, 1929.

New Books (cont.)

Field naturalists' club of Victoria - Plant names committee.
A census of the plants of Victoria with their regional distribution and the vernacular names ... 2d ed. Melbourne, 1928.

Graebner, P.
Lehrbuch der allgemeinen pflanzengeographie 2. umgearb. aufl. Leipzig, Quelle & Meyer, 1929.

Hauman, L.
Les modifications de la flore argentine sous l'action de la civilisation... Mem. Acad. Roy. Belg. Cl. Sci. Coll. 4°. 2 sér., v.9, f.3. 99 p. 1928.

Hedrick, U. P.
The vegetables of New York. v.1, pt. 1. The peas of New York. Albany, 1928 (Rep. N.Y. State Agr. Exp. Stat. 1927/28, pt.2)
Assisted by F.H. Hall, L.R. Howthorn, Alwin Berger.

Kruedener, A. f.v.
Waldtypen. Klassification und ihre volkswirtschaftliche bedeutung. v.1. Neudamm, J. Neumann, 1927.

Molisch, H.
Die lebensdauer der pflanze. Jena, G. Fischer, 1929.

Sprecher von Bernegg, A.
Tropische und subtropische weltwirtschaftspflanzen, ihre geschichte, kultur und volkswirtschaftliche bedeutung. v.1. Stuttgart, F. Enke, 1929.
1. Stärke und zuckerpflanzen.

Vandendries, R.
Nouvelles recherches expérimentales sur le comportement sexuel der Coprinus micaceus. Mém. Acad. Roy. Belg. Belg. Cl. Sci. Coll. 4°, sér. 2, v.9, fasc.1. 128 p. 1928.

New Books (cont.)

Zahlbruckner, A.

Catalogus lichenum universalis. bd.6, bog. 1-10. Leipzig, [1929]

Correction.

List v.11, no.11.

Agr. Journ. India

Mitra, S.K. vol. no. should be 24, not 22.

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

Vol. 11, no. 21. September 30-Oct.12, 1929.

Abh. Senckenb. Naturf. Ges.
Kräusel, R. & Weyland, H.
Beiträge zur kenntnis der Devonflora. III.
Abh. Senckenb. Naturf. Ges. 41: 317-359. illus., 15 pl. 1929. no.7.

Administr. Rep. Dept. Agr.Mysore. (Bangalore)
Venkata, M.K.
Report of the mycological section for the year 1927/28. Administr. Rep. Agr. Dept. Mysore,1927/28: 19-22. 1929.

Agr. Gaz. N.S.W. (Sydney)
Callaghan, A. R.
False wild oats. Agr. Gaz. N.S.W. 40: 625-631. illus. S.1,1929. no.9.

Pridham, J. T.
Some observations on rust resistance in wheat. Agr. Gaz. N.S.W. 40: 632-633. S.1, 1929. no.9.

Agron. Colon. (Paris)
Chalot, C
Les "graines de Perse" ou "graines jaunes". (Fruits de différentes espèces de nerpruns Rhamnus à teinture). Agron. Colon. 18: 200-205. illus. Jl. 1929. no.139.

Amer. Bot. (Indianapolis, Ind.)
Buswell, W.M.
Florida myrtles. Amer. Bot. 35: 138-143. O.1929. no.4.

Clute, W.N.
The fern's place in nature. Amer. Bot. 35: 152-156. O.1929. no.4.

Clute, W.N.
The meaning of plant names. XL. Chamomile yarrow and wormwood. Amer. Bot. 35: 144-151. O.1929. no.4.

Clute, W. N.
The ways of wildflowers. Amer. Bot. 35: 157-167. Ag.1929. no. 4.

Amer. Bot. (cont.)

Krebs, C.
Again, the highbush cranberry. Amer. Bot. 35: 135-137. pl. O.1929. no.4.
Fruits eaten by cedar-waxwings.

Neff, I.J.
Stamens in the blackberry lily. Amer. Bot. 35: 174-175. O.1929. no.4.
With comment by the editor. (W.N. Clute)
Belamcanda chinensis.

Amer. Fern Journ.

Benedict, R. C.
Afield for ferns in Sussex county, New Jersey. Amer. Fern Journ. 19: 105:108. illus. Jl./S. 1929. no.3.

Clarkson, E. H.
Ferns of Newburyport, Massachusetts. Amer. Fern Journ. 19: 109-110. Jl./S. 1929. no.3.

Graves, E. W.
Collecting in the mountains of Colorado. Amer. Fern Journ. 19: 95-99. Jl./S. 1929. no.3.

How have your hart's tongue plants succeeded? Amer. Fern Journ. 19: 108-109. Jl./S.1929. no.3.

Knowlton, C.H.
Ferns and their allies in Washington county, Maine. Amer. Fern Journ. 19: 82-87. Jl./S. 1929. no.3.

Puglsey, F. W.
Woodwardia areolata, the traveling fern. Amer. Fern Journ. 19: 88-91. illus. Jl./S.1929. no.3.

Schaffner, J. H.
The flowers of Equisetum. Amer. Fern Journ. 19: 77-82. Jl./S.1929. no.3.

Weatherby, C.A.
Seed versus sorus. Amer. Fern Journ. 19: 102-104. Jl./S.1929. no.3.

Westley, E.
Cultivation of ferns under lath in southern California. Amer. Fern Journ. 19: 91-95. Jl./S. 1929. no.3.

Amer. Fern Journ. (cont.)

Wherry, E.T.

Further occurrences of the Alleghany cliff-fern. Amer. Fern Journ. 19: 101-102. Jl./S,1929. no.3.

Amer. Rose Ann. (Harrisburg, Pa.)

Chandler, A.

The call of the wild. Amer. Rose Ann. 1929: 77-82. 1929.

Wild roses for cultivation.

Massey, L.M. & Westcott, C.

Black-spot again. Amer. Rose Ann. 1929: 31-35. pl.v. 1929.

Wedrick, C. D.

Rugosa roses and their hybrids. Amer. Rose Ann. 1929: 121-125. 1929.

Anal. Mus. Nac. Hist. Nat. Bern. Rivad. Buenos Aires.

Barros, M.

Ciperáceas argentinas I. Género Heleocharis R.Br. Anal. Mus. Nac. Hist. Nat. Bern. Rivad. Buenos Aires. 34: 425-496. illus. [1929]

H. parodii, H. haumaniana, H. spegazzinii n.spp.

Castellanos, A.

Contribuciones a la flora de San Luis I. Anal. Mus. Nac. Hist. Nat. Bern. Rivad. Buenos Aires. 34: 37-43. illus. (map), iii pl. [1929]

I. Distribución de la palma "Trithrinax campestris".

Frenguelli, J.

Diatomeas del Océano Atlántico frente a mar del Plata (República Argentina). Anal. Mus. Nac. Hist. Nat. Bern. Rivad. Buenos Aires. 34: 497-572. xxi pl. [1929]

Molfino, J.F.

Adiciones a la flora fanerogámica adventicia de la Argentina. Anal. Mus. Nac. Hist. Nat. Bern. Rivad. Buenos Aires. 34: 89-119. x pl. [1929]

Angew. Bot. (Berlin)

Kaufer, A.

Beitrag zur morphologie und systematik der hafersorten. Agnew. Bot. 11: 349-438. Jl./Ag. 1929. no.4.

Tuteff, I.

Der weizen in bulgarien. Agnew. Bot. 11: 439-455. Jl./Ag. 1929. no.4.

Ann. Chim. Appl. (Roma)

Francesconi, L.

Origine degli olii eterei nelle piante. Ann. Chim. Appl. 19: 333-343. Ag.1929. no. 8.

Ann. Univ. Stellenbosch. (Capetown)

Duthie, A.V.

Vegetation and flora of the Stellenbosch flats. Ann. Univ. Stellenbosch. v.7,A. no.4. 59 p. illus. 2 maps. (1 fold.) Jl.1929 (Rec'd O.)

Ann. Rep. Agr. & Hort. Res. Stat. Univ. Bristol.

Titles included are only those not already entered from other sources (as Journ.Bath & West & South Co. Agr. Soc.)

Marsh, R. W.

Report on bunt prevention trials 1928. Ann. Rep. Agr. & Hort. Res. Stat. Univ. Bristol. 1928: 138-139. [1929]

Maynard, J. G.

The economics of spraying fruit trees. I- Ann. Rep. Agr. & Hort. Res. Stat. Univ. Bristol. 1928: 124-137. 2 pl. [1929]

I. The cost of winter washing - winter 1928-29.

Maynard, J.G.

Strawberry variety identification. Ann. Rep. Agr. & Hort. Res. Stat. Univ. Bristol. 1928: 60-66. pl. [1929]

Staniland, L.N.

A survey of strawberry plantations in England (1926-28). Ann. Rep. Agr. & Hort. Res. Stat. Univ. Bristol. 1928: 42-59. [1929]

Damaged crown; small leaf; cauliflower disease; red plants, red leaf or red leg; aphis plant; patch; sudden wilt.

Ann. Rep. Agr. & Hort. Res. Stat. Univ. Bristol. (cont.)
Swarbrick, T.
The abscission of black currant shoots during the growing season. Ann. Rep. Agr. & Hort. Res. Stat. Univ. Bristol. 1928: 39-41. 1 pl. 1929

Ann. Rep. Dept. Agr. Uganda. (Kampala)
Hansford, C. G.
Annual report of the government mycologist. Ann. Rep. Dept. Agr. Uganda. 1928: 46-47. 1929.

Arch. de Bot. Caen. Mém.
Malcuit, G.
Contributions a l'étude phytosociologique des Vosges méridionales saônoises. Les associations végétates de la vallée de la Lanterne. Arch. de Bot. Caen Mém. v.2, no.6. 211 p. illus., pl.1-8. 1928 (Rec'd O.1929)

Arsb. Soc. Scient. Fenn. (Helsingfors)
Lindberg, H.
Albert Ejalmar Hjelt. Arsb. Soc. Scient. Fenn. 6, B, no. 3 . 21 p. port. 1928.

Beitr. Biol. Pflanz. Cohn. (Breslau)
Boresch, K.
Gibt es beziehungen zwischen dem vorkommen von blausäure in knospen und ihrer treibwilligkeit? Beitr. Biol. Pflanz. Cohn. 17: 259-271. 1929. no.2.

Fietz, A.
Prähistorische holzkohlen aus der umgebung Brunns. II. teil. Beitr. Biol. Pflanz. Cohn. 17: 146-159. pl. ii-iii. 1929. no.2.

Härdtl, H.
Regeneration am laubblatt unter den einfluss der schwerkraft. Beitr. Biol. Pflanz. Cohn. 17: 160-199. illus. 1929. no.2.

Klein, G. & Tröthandl, L.
Nachweis, verteilung und verbreitung des primelgiftes in der pflanze. (Ein beitrag zu Nestlers arbeiten). Beitr. Biol. Pflanz. Cohn. 17: 211-230. pl.iv. 1929. no.2.

Beitr. Biol. Pflanz. Cohn. (cont.)

Molisch, H.
Professor Dr. Anton Nestler. Beitr. Biol. Pflanz. Cohn. 17: 138-145. port. 1929. no.2.
Verzeichnis der publiktionen von reg.-rat. professor Dr.A. Nestler: p.143-145.

Richter, O.
Ein kleiner beitrag zur edelobst-stecklings-gewinnung. Beitr. Biol. Pflanz. Cohn. 17: 231-246. pl.v. 1929. no.2.

Steiner, M.
Weitere untersuchungen über flüchtige stickstoffbasen bei höheren pflanzen. Beitr. Biol. Pflanz. Cohn. 17: 247-258. illus. 1929. no.2.

Stoklasa, J.
Die biochemische vorgänge bei der humusbildung durch die mikroorganismen im boden. Beitr. Biol. Pflanz. Cohn. 17: 272-296. 1929. no.2.

Biochem. Zeitschr. (Berlin)

Axentjeff, B. N.
Ueber den einfluss einiger salze auf die keimung der samen von Amarantus retroflexus.L. Biochem. Zeitschr. 211: 454-467. Ag.24,1929. no.4/6.

Gesenius, H.
Ueber stoffwechselwirkungen mitogenetischer strahlen. Biochem. Zeitschr. 212: 240. Ag.31,1929. no.1/3.

Ehrlich, F. & Kosmahly, A.
Ueber die chemie des pektins der obstfrüchte. Biochem. Zeitschr. 212: 162-239. Ag.31, 1929. no.1/3.

Biol. Zentralbl. (Leipzig)

Maksomiv, N. A.
Experimentelle änderungen der länge der vegetationsperiode bei den pflanzen. Biol. Zentralbl. 49: 513-543. illus. 1929. no.9.

Bol. Agr. São Paulo.

Hoehne, F. C.

As orchidaceas como elementos para a arte decorativa indigena. Bol. Agr. São Paulo. 30: 201-210. illus. Mr./Ap.1929 (Rec'd O.)

Meyer, A.C. & Azzi, R.

Elementos de botanica a classificação da canna de assucar. Bol. Agr. São Paulo. 29: 318-330. illus. My./Je. 1928. no.5/6.

O "mal da banana" nos bananaes do Equador. Bol. Agr. São Paulo. 30: 278-281. Mr./Ap.1929 (Rec'd O.) no.3/4.

Bot. Arch. (Leipzig)

Bürkle, B.

Physiologische untersuchungen über umwandlungen des öles im reifenden sonnenblumensamen. Bot.Arch. 26: 384-436. Ag.1929. no.3/4.

English abstract: p.434-435.

Muhlack, E.

Zur keimungsgeschichte der erbse. Bot. Arch. 26: 437-485. illus. Ag.1929. no.3/4.

English abstract: p.484.

Ritschl, A.

Weitere untersuchungen über das gegenseitige mengenverhältnis der kohlenhydrate im laubblatt unter verschiedenen aussenbedingunen. Bot. Arch. 26: 349-384. Ag.1929. no.3/4.

English abstract: p.383.

Ziegenspeck, H.

Die nadeln der erwachsenen und keimenden koniferen und die phylogenie dieser klasse, eine phylogenetisch-anatomische studio. Bot. Arch. 26: 257-348. Ag.1929. no.3/4.

English abstract: p.345-346.

Bot. Tidsskr. (København)

Christensen, C.

Asplenium septentrionale x Trichomanes (A. Breynii Retz.) paa Bornholm. Bot. Tidsskr. 40: 439-442. illus. 1929. no.5.

Bot. Tidsskr. (cont.)

Hansen, H.M.
Dansk botanisk litteratur i 1924, 1925 og 1926. Bot. Tidsskr. 40: 350-372. 1929. no.5.

Høeg, E.
Om mellemformerne mellem Quercus robur L. og Q. sessiliflora Martyn. (On the intermediate forms between Quercus robur L. and Q. sessiliflora Martyn.). Bot. Tidsskr. 40: 411-427. illus. 1929. no.5.
English summary: p.427.

Oskarsson, I.
En botanisk rejse til Østland samt Reydarfjördurs karplanteflora. Bot. Tidsskr. 40: 337-349. 1929. no.5.

Ostenfeld, C. H.
Smaa bidrag til den danske flora IX. Bot. Tidsskr. 40: 428-439. illus. 1929. no.5.

Petersen, H. E.
Oversigt over de i det norvestlige Kattegat forekommende Ceramium-arter. (An account of the species of Ceramium in the north-western Kattegat.) Bot. Tidsskr. 40: 390-407. illus., 2 pl. (1 fold.) 1929. no.5.
English summary: p.405-407.

Petersen, J.B.
Beiträge zur kenntnis der flagellatengeisseln. Bot. Tidsskr. 40: 373-389. 1 pl. 1929. no.5.

Rosenvinge, L.K.
Severin Petersen. 17 Maj 1840 - 2 Marts 1929. Bot. Tidsskr. 40: 445-448. port. 1929. no.5.

Wiinstedt, K.
Carex gracilis Curt. var. serrulata nov.var. Bot. Tidsskr. 40: 442. 1929. no.5.

Bull. Dept. Agr. Canada. (Ottawa)

Hurst, R. R.
Late blight and rot of potatoes, caused by the fungus Phytopthora infestans (Mont.) de Bary. Bull. Dept. Agr. Canada. n.s., no.119. 13 p. illus., 2 col.pl. 1929.

Bull. Kagoshima Imp. Col. Agr. & For.
Nojma, T.
Studies on two different species of Pestalozzia parasitic on the leaves of Diospyros kaki L. Bull. Kagoshima Imp. Coll. Agr. & For. 7: 307-340. illus., pl. i. 1929
In Japanese.
P. diospyri, P.theae.

Bull. Mens. Soc. Nat. Hort. France. (Paris)
Simonet, M.
Sur l'etude cytologique de quelques hybrides d'iris (groupe pogoniris). Bull. Mens. Soc. Nat. Hort. France. 2: 455-463. illus. Ag.1929.

Bull. Soc. Mycol. France. (Paris)
Killian, C.
Étude biologique du Xylaria sicula Passer. et Beltr. Bull. Soc. Mycol. France. 45: 78-92. pl. i-iii. Ag.25,1929. no.1.

Konrad, P.
Notes critiques sur quelques champignons du Jura. 4. série. Bull. Soc. Mycol. France. 45: 35-77. Ag. 25, 1929. no.1.

Liou, T.
Note sur deu urédinées nouvelles du genre Uromyces. Bull. Soc. Mycol. France. 45: 121-127. Ag.25, 1929. no.1.
U. hybernae, U.flavicomae.

Liou, T.
Sur deux Endophyllum et un Aecidium nouveaux. Bull. Soc. Mycol. France. 45: 106-120. illus. Ag.25, 1929. no.1.
E.euphorbiae-nicaeensis, E.euphorbiae-characiatis, Aecidium endophylloides, n.spp.

Moreau, F. & Moreau, Mme.F.
Contribution á l'étude des russules de la région de Besse (Puy-de-Dôme). Bull. Soc. Mycol. France. 45: 96-102. Ag.25,1929. no.1.

Moreau, F.
Note sur le Clitocybe ectypa Fr. non Bres. Bull. Soc. Mycol. France. 45: 93-95. Ag.25,1929. no.1.

Bull. Soc. Mycol. France. (cont.)

Moreau, F.
Note sur le Clitocybe ectypa Fr. non Bres. Bull. Soc. Mycol. France. 45: 93-95. Ag.25, 1929. no.1.

Singer, R.
Russula mairei Singer. Bull. Soc. Mycol. France. 45: 103-105. Ag.25, 1929. no.1.

Société mycologique de France.
Atlas de planches coloriées. col.pl.29-31. In its Bulletin v.45. Ag.25,1929. no.1.
Amanita umbrino-lutea, Lentinus gallicus, Flammula carbonaria.

Bull. Trim. Off. Rég. Agr. Midi France.

Fondard, L. & German, E.
Contribution a la genetique des blés de Provence. Bull. Trim. Off. Rég. Agr. Midi France. 1929: 41-107. illus. Ap.1929. no.30.

Centralbl. Bakt. Abt.II. (Jena)

Burgess, R.
A contribution to the study of the effect of partial sterilisation of soil by heat. The partial sterilisation of slightly alkaline soil by means of couch grass fires. Centralbl. Bakt. Abt.II, 78: 497-507. S.10, 1929. no.24/26.

Naumann, E.
Die eisenspeichernden bakterien. Kritische übersicht der bisher bekannten formen. Centralbl. Bakt. Abt.II, 78: 512-515. S. 10,1929. no.24/26.

Peltier, G.L.
Some aspects of the spread of rust. Centralbl. Bakt. Abt.II, 78: 525-535. S.10, 1929. no.24/26.

Raillo, A.
Beiträge zur kenntnis der boden-pilze. Centralbl. Bakt. Abt. II, 78: 515-524. illus. S.10, 1929. no.24/26.

Chacaras e Quintaes. (S.Paulo)

Ferreira, G.S.
O trigo 142 (Marumby, polysu' ou capim bravo). Chacaras e Quintaes. 40: 251-254. illus. S.15, 1929. no.3.

China Journ. (Shanghai)

Porterfield, W.M.

A case of dichotomy in bamboo. China Journ. 11: 156-157. illus. S.1929. no.3.

Compt. Rend. Acad. Sci. Paris.

Joyet-Lavergne, Ph.

Une démonstration expérimentale des lois de sexualisation cytoplasmique. Compt. Rend. Acad. Sci. Paris. 189: 409-412. S.9, 1929. no.11.

Molliard, M.

Caractères physiologiques présentés par le Sterigmatocystis nigra en inanition de zinc et de fer. Compt. Rend. Acad. Sci. Paris. 189: 417-420. S.16, 1929. no.12.

Peirier,

Les Caloncoba à huile antilépreuse du Cameroun. Compt. Rend. Acad. Sci. Paris. 189: 471-472. S.23, 1929. no.13.

C.glauca, C.welwitschii.

Dansk. Bot. Ark. (København)

Christensen, C.

Taxonomic fern-studies I-II. Dansk Bot. Ark. v.6, no.3. 99 p. xiii pl. 1929.

I. Revision of the polypodioid genera with longitudinal coenosori (Cochlidiinae and "Drymoglossinae"); with a discussion of their phylogeny.

II. On a small collection of ferns from the state of Amazonas, Brazil, made by Mr. A. Roman in 1924.

Marginariopsis, Myurcpteris, Pycnoloma, n.gen.

Jørgensen, H.

Investigations on the growth of the pollen-tube in culture. Dansk Bot. Ark. v.6, no.2. 19 p. illus. 1929.

Deut. Landw. Presse. (Berlin)

Appel, O.

Kohlkrankheiten II. Deut. Landw. Presse. 56: 546. col.pl. S.21, 1929. no.38.

Empire For. Journ.

Chipp, T. F.
A tour of the Anglo-Egyptian Sudan. Empire For. Journ. 8: 37-44. illus. (map), 3 pl. 1929. no.1.

Davy, J. Burtt.
Elms for the semi-arid regions of the Empire. Empire For. Journ. 8: 101-104. 1929. no. 1.
Ulmus parvifolia, U. pumila.

Ernähr. Pflanze. (Berlin)

Koenig, P.
Ueber die ägyptische banane. Ernähr. Pflanze. 25: 445-448. illus. S.15,1929. no.18.

Facts about sugar. (N.Y.)

Bremer, G.
Remarks on the cytology of Saccharum. Facts about sugar. 24: 926-927. S.28, 1929. no.39.

Posthumus, O.
The present state of cane breeding in Java. Facts about Sugar. 24: 950-952. O.5,1929. no.40.

Flora. (Jena)

Janse, J.M.
Die "suchbewegungen" der pflanzen. II. Flora, 124(n.s.24): 119-151. illus. 1929. no.2.

Orth, R.
Vergleichende untersuchungen über die luftkammerentwicklung der marchantiaceen mit berücksichtigung ihrer infloreszenzen. Flora. 124(n.s., 24): 152-203. illus. 1929. no.2.

Sokolowskaja, A.
Ueber die schleimorgane der Myriophyllum-arten und ihre überwinterungsweise, als systematische merkmale. Flora. 124(n.s.24): 204-213. illus. 1929. no.2.

Flow. Grow. (Calcium, N.Y.)

French, M.M.
Utility of the bamboo tree. Flow. Grow. 10: 471-472. illus. O.1929. no.10.

Fungi received, Imp. Bur. Mycol. Gt. Brit. (London)

Mason, E. W.

Annotated account of fungi received at the Imperial bureau of mycology. Fungi received, Imp. Bur. Mycol. Gt. Brit. List 2, fasc. 1. 43 p. D.1928. (Rec'd Ag.1929)

Gard. Bull. Straits Settlem. (Singapore)

Carr, C.E.

Some malayan orchids. Gard. Bull. Straits Settlem. 5: 1-50. pl. i-xviii. Ag.12,1929. no.1/2.

Gard. Chron. (London)

Brown, N.E.

Mesembryanthemum. Mitrophyllum. (cont.) Gard. Chron. III, 86: 208, 227-228, 248-249. illus. S.14, 21, 1929. no.2299-2230, 2231.

Brown, N.E.

Two new garden annuals. Gard. Chron. III, 86: 244. S.28, 1929. no.2231.

Dorotheanthus oculatus, D.muirii.

Darnell, A. W.

The genus Primula. (cont.) Gard.Chron. III, 86: 205, 230-231, 249-250, S.14,28, 1929. no. 2229-2230, 2231.

Friend, H.

Problems of plant life VIII-IX. Gard. Chron. III, 86: 207-208, 247-248. S.14,28, 1929. no.2229, 2231.

VIII. Plants and drought. IX. Breathing pores or stomata.

Grove, A.

Lilium martagon var. album. Gard. Chron. III, 86: 243-244. illus. S.28, 1929. no.2231.

Robinson, G.W.

An English gardener in Chili. (cont.) Gard. Chron. III, 86: 226. illus. S.21, 1929. no.2230.

Ward, F.K.

Mr. F. Kingdon Ward's tenth expedition in Asia. XXX-XXXI. Gard. Chron. III, 86: 206-207, 246-247. illus. S.14,28 1929. no.2229, 2231.

Gartenw. (Berlin)
Janson, A.
Ringelkrankheit des meerrettich. Gartenw. 33: 512-513. illus. S.13, 1929. no.37.

Genetica. (The Hague)
Buchinger, A.
Osmotische analyse eines linsen-wickenbastardes und dessen eltern. Genetica. 11: 387-398. 1929. no.5.

Versuch einer erklarung der patroklinie.
Danser, B. H.
Ueber die begriffe komparium, kommiskuum und konvivium und ueber die entstehungsweise der konvivien. Genetica. 11: 399-450. 1929. no.5.

Oppenhein, J. D. Frankel, O. H.
Investigations into the fertilization of the "Jaffa-orange" I- Genetica. 11: 369-374. illus. 1929. no.5.

Sirks, M. J.
Ueber einen fall verebarer lichtempfindlichkeit des chlorophylls beim roggen (Secale cereale) Genetica. 11: 375-386. illus. 1929. no.5.

Hoppe-Seyl. Zeitschr. Phys. Chem. (Berlin)
Ambros, O. & Harteneck, A.
Ueber die proteasen höherer pflanzen. 14th Abhandlung über pflanzenproteasen in der von R. Willstätter und mitarbeitern begonnenen untersuchtungsreihe. Hoppe-Seyl. Zeitschr. Phys. Chem. 184: 93-107. illus. S.10, 1929. no.1/4.

Horticulture. (Boston)
Wilson, E. H.
The curious silk-tree from Asia. Horticulture. 7: 471. illus. O.1, 1929. no. 19.
Albizzia julibrissin rosea.

Indian For. (Dehra Dun)
De, R. N.
Barringtonia acutangula, Gaertn, Vern. Hijal (Bengali). Indian For. 55: 498-502. pl.21-22. S.1929. no.9.

V.11, no.21, p.15.

Industr. & Engin. Chem. (Easton, Pa.)

Sowder, A.M.

Toxicity of water-soluble extractives and relative durability of water-treated wood flour of western red cedar. Industr. & Engin. Chem. 21:981-984. illus. O.1929. no.10.

Ital. Agr. (Milan)

Bonvicini, M.

L' "impronta", nelle glume del grano. Ital. Agr. 66: 609-614. illus. Ag.1929. no.7.

Manaresi, A.

Le gelate primaverili del 1929 a gli alberi da frutto. Ital Agr. 66: 605-608. illus. Ag. 1929. no. 7.

Savelli, R.

I gemelli della canapa. Ital. Agr. 66: 590-594. illus. Ag.1929. no. 7.

Izv. Gosud. Inst. Opytn. Agron. (Ann. State Inst. Exp. Agron.) (Leningrad)

Malkov, F. I.

...On the weed in barley sowings and grains of White-Russia. Izv. Gosud. Inst. Opytn. Agron. (Ann. State Inst. Exp. Agron.) 7: 404-408. 1929. Russian.

Pisarev, V.E.& Veselovsky, I.A.

...On the selection of potatoes in the Leningrad region. Iav. Gosud. Inst. Opytn. Agron. (Ann. State Inst. Exp. Agron.) 7: 290-300. 1929. Russian.

Jahrb. Wiss. Bot. (Leipzig)

Hoffmann, C.

Die atmung der meereslagen und ihre beziehung zum salzgehalt. Jahrb. Wiss. Bot. 71: 214-268. illus. Ag.1929. no. 2.

Meyer, F. J.

Ueber gefässdurchbrechungen und die frage der unterscheidung von gefässen und tracheiden. Jahrb. Wiss. Bot. 71: 161-183. illus. Ag. 1929. no. 2.

V.11, no.21, p.16.

Jahrb. Wiss. Bot. (cont.)

Söding, H.

Weitere untersuchungen über die wuchshormone der haferkoleoptile. Jahrb. Wiss. Bot. 71: 184-213. illus. Ag. 1929. no. 2.

Weimann, R.

Untersuchungen über den traumatotropismus der Avena-koleoptile. Jahrb. Wiss. Bot. 71: 269-323. illus. Ag. 1929. no.2.

Jard. Agrém. (Bruxelles)

Broeck, E.Van den.

Glanures dans le domaine fleuri des orchidées rustiques. II. Les organes souterrains...B.Le role aérien et souterrain...(cont.) Jard. Agrém. 8: 146-155. O.1929. no. 10.

Journ. Agr. Prat. (Paris)

Lesourd, F.

Histoire des plantes. Journ. Agr. Prat. n.s., 52(2): 198-200, 217-218. illus. S.7,14, 1929. no.36-37.

Houlque laineuse (Holcus lanatus), fromental (Arrenatherum elatius (Avena elatior)

Journ. Agr. Res. (Wash., D.C.)

Fulton, H.R. & Bowman, J.J.

Infection of fruit of citrus by Pseudomonas citri. Journ. Agr. Res. 39: 403-426. illus. S.15,1929. no.6.

Siegler, E. A.

The woolly-knot type of crown gall. Journ. Agr.Res. 39: 427-450. illus. S.15, 1929. no.6.

Swingle, H. S.

Composition of commercial acid lead arsenate and its relation to arsenical injury. Journ. Agr. Res. 39: 393-401. S.15,1929. no.6.

Winter, F. L.

The mean and variability as affected by continuous selection for composition in corn. Journ. Agr. Res. 39: 451-476. illus. S.15, 1929. no.6.

Journ. Amer. Chem. Soc.

Gnadinger, C.B. & Corl, C.S.
Studies on pyrethrum flowers. Journ. Amer. Chem. Soc. 51: 3054-3064. illus. O.1929.
1. The quantitative determination of the active principles.

Remington, R. E., Culp, F.B. & Kolnitz. H. Von.
The potato as an index of iodine distribution. Journ. Amer. Chem. Soc 51: 2942-2947. Illus. O. 1929. no. 10.

Winter, O.B. & Bird, O. D.
The determination of aluminum in plants. II. Aluminum in plant materials. Journ. Amer. Chem. Soc. 51: 2964-2968. O.1929. no.10.

Journ. Amer. Leath. Chem. Assoc.

Nelson, R. M. & Gravatt, G. F.
The tannin content of dead chestnut trees. Journ. Amer. Leath. Chem. Assoc. 24: 479-499. illus. (map) S.1929. no.9.

Journ. Bot. (London)

Arthur, J. C.
Proposed amendments to the international rules of nomenclature. Journ. Bot. 67: 258-259. S. 1929. no. 801.

Bennett, A., Salmon, C.E. & Matthews, J. R.
Second supplement to Watson's Topographical botany". (cont.) Journ. Bot. 67(Suppl.): 25-32. S.1929. no.801.

Lacaita, C. C.
Duriaei iter asturicum botanicum. (cont.) Journ. Bot. 67: 255-258. S.1929. no.801.

Mr. John Gossweiler's plants from Angola and Portuguese Congo. Dicotyledones, Gamopetalae, by R.O'D. Good. (cont.) Journ. Bot. 67(Suppl.): 97-104. S.1929. no.801.

Norman, C.
Umbelliferae from Nepal. Journ. Bot. 67: 245-247. S.1929. no.801.
Cortia nepalensis, Archangelica cyclocarpa, Heracleum lallii, n.sp.

Journ. Bot. (cont.)

Rees, T.K.
Marine algae of the coast of Wales. (cont.)
Journ. Bot. 67: 250-251. S. 1929. no.801.
Phaeophyceae.

Salmon, C. E.
Glyceria distans and G. retroflexa in Britain.
Journ. Bot. 67: 243-245. illus. S.1929. no.801.

Sherrin, W. R.
New variety of Cinclidotus aquaticus (Jacq.) Br.Eur. Journ. Bot. 67: 260-261. illus. S.1929. no.801.
C.aquaticus strictus, n.var.

Skrine, P. M.
A member of the Fucaceae from the Dovey salt-marshes. Journ. Bot. 67: 241-243. illus. S. 1929. no.801.
Pelvetia canaliculata.

Taylor, G.
Notes from the British Museum herbarium. Journ. Bot. 67: 259-260. S.1929. no.801.
Oxypetalum kingii, Meconopsis (?robustae) regia, n.sp.

Journ.Dept. Agr. Victoria. (Melbourne)

Penman, F.
"Glassy end" of potatoes. Journ. Dept. Agr. Victoria. 27: 449-458. illus. Ag.1929. no.8.

Journ. Genetics. (London)

Darlington, C.D.
Chromosome behaviour and structural hybridity in the Tradescantiae. Journ. Genetics. 21: 207-286. illus. Ag.1929. no.2.

Darlington, C.D.
Variegation and albinism in Vicia faba.
Journ. Genetics. 21: 161-168. pl. xiii-xvi. Ag. 1929. no.2.

Lawrence, W. J.C.
The genetics and cytology of Dahlia species.
Journ. Genetics. 21: 125-159. illus., col.pl. xii. Ag.1929. no.2.

Marsden-Jones, E.M.& Turrill, W.B.
Preliminary account of petal colour and sex in Ranunculus acris and R.bulbosus. Journ. Genetics. 21: 169-181. illus. Ag.1929. no.2.
Studies in Ranunculus. I.

Journ. Genetics. (cont.)

Waddington, C. H.
Pollen germination in stocks and the possibility of applying a lethal factor hypothesis to the interpretation of their breeding. Journ. Genetics. 21: 193-206. Ag.1929. no.2.

Whyte, R.O.
The cytological basis of sex in R.acris L. Journ. Genetics. 21: 183-191. Ag.1929. no.2.
Studies in Ranunculus II.

Journ. Indian Bot. Soc. (Madras)

Blatter, E.
Revision of the genus, Butea, Koen. Journ. Indian Bot. Soc. 8: 133-138. Jl.1929. no.2.

Ghose, S. L.
A curious method of reproduction in an aquatic species of Anabaena. Journ. Indian Bot. Soc. 8: 129-130. illus. Jl.1929. no.2.
Species not given.

Khanna, L. P.
The morphology of Cyathodium kashyapii, Khanna, sp.nov. Journ. Indian Bot. Soc. 8: 118-125. illus. Jl.1929. no.2.

Maheshwari, P.
Origin and development of internal bundles in the stem of Rumex crispus. Journ. Indian Bot. Soc. 8: 89-117. illus., pl. i-ii. Jl.1929. no.2.

Rau, N.S.
A note on the use of vacuum-flasks in paraffin imbedding. Journ. Indian Bot. Soc. 8:131-132. Jl.1929. no.2.

Rau, N.S.
On the chromosome numbers of some cultivated plants of south India. Journ. Indian Bot. Soc. 8: 126-128. illus. Jl.1929. no.2.

Tiwary, N.K.
A preliminary note on the germination of the spores of Cyathodium sp. Journ. Indian Bot. Soc. 8: 139-143. illus. Jl.1929. no.2.

Journ. Indian Chem. Soc. (Calcutta)

Ghosh, S, Chatterjee, N.R. & Dutta, A.
Chemical examination of the roots and leaves of Saussurea lappa, Clarke. Pt.I. Journ. Indian Chem. Soc. 6: 517-522. Ag.1929. no.4.

Kaul, R., Rey, A.C. & Dutt, S.
Constitution of the active principle of Embelia ribes pt. L. Journ. Indian Chem. Soc. 6: 577-586. Ag.1929. no.4.

Sen, H.K., Pal, P.P. & Ghosh, B.
Studies in the ligno-cellulose group. Pt.1- Journ. Indian Chem. Soc. 6:673-690. Ag. 1929. no.4.
I. An invesitgation into the constituents of water hyacinth (Eichornia crassipes)

Journ. Washington Acad. Sci.

Pittier, H.F.
Botanical notes on, and description of, new and old species of Venezuelan plants. II. Old and new species of Euphorbiaceae. Journ. Wash. Acad. Sci. 19: 351-357. O.4, 1929. no.16.

Kosmos (Lwów, Poland)

Baecker, K.
Kilka uwag o różnicach gatunkowych ostnic polskich (Einige bemerkungen uber die polnischem Stipa arten). Kosmos (Lwów, Poland) 53: 645-655. illus. 1929. no.4.
Polish with German summary.

Kulesza, W.
O nowysh i mało znanych gatunkach jezyn w Polsce (Novi, vel parum cogniti rubi Poloniae). Kosmos (Lwow, Poland) 53: 617-644. illus. 1929. no.4.
R.morgensis, n.sp.
Polish with Latin summary.

Stecki, K. & Zaleski, K.
Parietaria officinalis L., Geranium sibiricum L. i inne rośliny, jako pozostałości dawnego Botanicznego ogrodu Licealnego w Krzemieńcu (Parietaria officinale L., Geranium sibiricum L. und andere pflanzen als überbleibsel des früheren botanischen Licealgarten in Krzemieniec). Kosmos (Lwów, Poland) 53: 680-684. illus. 1929.
Polish with German summary.

Kosmos (Lwow, Poland) (cont.)
Tymrakiewicz, W.
Analiza pyłkowa torfowiska Biłohorszcy (Pollenanaltyische studien uber Biłohorszcza-torfmoor).
Kosmos (Lwow, Poland) 53: 656-679. 1929. no.4.
Polish with German summary.

Kranke Pflanze. (Dresden)
Landgraf, T.
Eine Lichtnelkenseuche. Kranke Pflanze. 6: 164-165. illus. S.1929. no.9.
Fusarium sp. on Lychnis chalcedonica.

K. Landtbr. Akad. Handl. o Tidskr. (Stockholm)
Kenner, N.A.
Potatisnematoden eller potatisålen (Heterodera schachtii subsp. rostochiensis Woll.) och dess framträdande i Sverige. K. Landtbr. Akad. Handl. o. Tidskr. 68: 577-650. illus. Ap.1929. no.5.

Madroño. (San Francisco)
Horne, W.T.
The avocado, a native American tree for home planting. Madroño. 1: 238-241. S.1929. no.16.

Jepson, W.L.
Sequoia sempervirens in Granada. Madroño. 1: 242. S.1929. no.16.

Kelso, L.
A new Castilleja from Colorado. Madroño. 1: 241-242. S.1929. no.16.
C.flavoviridis, n.sp.

Mexia, Y.
Botanical trails in old Mexico. - The lure of the unknown. Madroño. 1: 227-238. illus. S.1929. no. 16.

Matières Grass. (Paris)
Pieraerts, J.
Contribution à l'étude des sapotacées oléiferes. I- Matières Grass. 21: 8615-8616. S.15, 1929. no.257.
I. L'Autranella congolensis.

Mezógazd. Kutat. Budapest.
Janicsek, M.
Klorofillok eloállitasa és vizsgálata (Die darstellung und untersuchung der chlorophyllen von verscheidenen pflanzen-blatter). Mezógazd. Kutat. Budapest. 2: 402-410. illus. S.1929. no.9.
German summary: p.409-410.

Missouri Bot. Gard. Bull. (St.Louis)
The early history of the dahlia. Missouri Bot. Gard. Bull. 17: 101-111. pl.14-16. S.1929. no. 7.
Notable St.Louis gardens. Missouri Bot. Gard. Bull. 17:111-114. pl.17-18. S.1929. no.7.
The garden of Mr. and Mrs. Hermann von Schrenk.

Möller's Deut. Gartn.-Zeit. (Erfurt)
Ungeklarte fragen zur kohlenstoff-assimilation und blattgrünbildung der pflanzen. Möller's Deut. Gartn.-Zeit. 44: 305-308. S.11, 1929.
Answers given by W.Tscheuke, Hans Molisch, Dr. Elssmann and Dr. Storck.

Monatsschr. Deut. Kakteen-Ges. (Berlin)
Bodeker, F.
Mamillaria ritteriana Bod., sp.n. Monatsschr. Deut. Kakteen-Ges. 1: 173-174. illus. S.1929. no. 9.

Huber, J. A.
Blüten-und samenentwicklung der kakteen und ihre bedeutung für deren systematische stellung. Monatsschr. Deut. Kakteen. Ges. 1: 175-190. illus. S.1929. no.9.

Weingart, W.
Opuntia pailana spec. nov. Monatsschr. Deut. Kakteen-Ges. 1: 167-169. illus. S.1929. no.9.

Nat. Hortl Mag. (Wash., D.C.)
Words. (cont.) Nat. Hort. Mag. 8; 158. illus. O.1929. no.4.
Leaf terminology.

Nature. (London)

Haldane, J.B.S.
Natural selection. Nature. 124: 44. S.21, 1929. no. 3125.

Muskett, A.E.
Control of diseases and weeds in a forest nursery. Nature. 124: 481-482. S.28, 1929. no. 3126.
Use of sulphuric acid.

Seward, A. C.
Botanical records of the rocks: with special reference to the early Glossopteris flora. Nature. 124: 449-452. S.21, 1929. no.3125.

Naturforsch. (Berlin)

Goez, W.
Die herbstliche veränderung des laubes. Naturforsch. 6: 206-211. S.1929. no.6.

Neumann, M.
Pflanzenphysiologie no.15. Zur kultur des wassernetzes Hydrodictyon utriculatum. Naturforsch. 6: 220-223. illus. S.1929. no.6.

Naturwissensch. (Berlin)

Wasmund, E.
Seeballe als scheingerolle, Naturiwssensch. 17: 758-767. illus. S.27,1929. no.39.

New Zeal. Journ. Agr. (Wellington)

Atkinson, E.
Weeds and their identification. Black nightshade (Solanum nigrum L.) New Zeal. Journ. Agr. 39: 100-102. illus. Ag.20, 1929. no.2.

Neill, J. C.
Dry -rot of swedes. Some field observations and experiments on control. New Zeal. Journ. Agr. 39: 86-93. illus. Ag.20, 1929. no.2.

Rice, W. H.
Control of brown-rot in stone-fruits. The Henderson experiments with peach trees, 1925-1929. New Zeal. Journ. Agr. 39: 97-100. Ag.20,1929. no.2.

V.11, no. 21, p.24.

Notizbl. Bot. Gart. Berlin.

Berlin. Botanischer garten.
Bericht uber den Botanischen garten und das Botanischen museum zu Berlin-Dahlem vom 1, April 1928 bis 31, Marz 1929. Notizbl. Bot. Gart. Berlin. 10: 623-650. Jl.10, 1929. no.97.

Berlin. Botanischer garten.
Vermischte diagnosen V. Notizbl. Bot. Gart. Berlin. 10: 769-776. Jl.10, 1929. no. 97.

Burret, M.
Die palmengattungen Orbignya, Attalea, Scheelea und Maximiliana. (cont.) Notizbl. Bot. Gart. Berlin. 10: 651-701. Jl.10,1929. no.97.

Loesener, T.
Zingiberaceae novae vel minus cognitae. II. Notizbl. Bot. Gart. Berlin. 10: 706-716. Jl.10. 1929. no.97.

Mattfeld, J.
Eine baumformige Espeletia aus der Sierra Nevada de Santa Marta. Notizbl. Bot. Gart. Berlin. 10: 702-705. illus. Jl.10, 1929. no.97.

Oskarsson, I.
Fur die flora von Island neue arten. Notizbl. Bot. Gart. Berlin. 10: 777-779. Jl.10, 1929. no.97.

Ulbrich, E.
Eine neue Aseroë aus Brasilien. (A.rubra La.Bill. var. brasiliensis Ulbrich var. nov.) Notizbl. Bot. Gart. Berlin. 10: 717-723. illus. Jl.10, 1929. no. 97.

Werdermann, E.
Beitrage zur kenntnis der flora von Chile. IV. Ueber einige chilenische polster-opuntien. Notizbl. Bot. Gart. Berlin. 10: 752-768. Jl.10, 1929. no.97.

Werdermann, E.
Plantae Raimondianae. Notizbl. Bot. Gart. Berlin. 10: 724-751. illus. Jl.10, 1929. no.97.

Notizbl. Ver. Erdk. (Darmstadt)

Klän, H.

Ueber den ersten fund einer fossilen bananenfrucht und ihre fossilisation. Notizbl. Ver. Erdk. V,11: 100-116. pl.16-17. 1929.

Peterm. Mitt. (Gotha)

Ihering, H.von.

Klima und flora von Patagonien im wandel der zeit. Peterm. Mitt. 75: 240-245. 1929. no.9/10.

Schmieder, O.

Das pampaproblem. Peterm. Mitt. 75: 246-247. 1929. no.9/10.

Phytopath. (Lancaster, Pa.)

Childs, L. & Zeller, S.M.

Observations on Armillaria root rot of orchard trees. Phytopath. 19: 869-873. illus. S. 1929. no.9.

Leach, J.G.

The effect of grafting on resistance and susceptibility of beans to Colletotrichum lindemuthianum. Phytopath. 19: 875-877. illus. S.1929. no. 9.

Leonian, L. H.

Studies on the variability and dissociations in the genus Fusarium. Phytopath. 19: 753-868. pl. xvi-xxxiii. S.1929. no. 9.

Martin, G. H.

Polymorphism of Leptosphaeria coniothyrium (Fckl.) Sacc. Phytopath. 19: 879. S.1929. no.9.

Valleau, W.D.

Tobacco mosaic control in Mexico. Phytopath 19: 880. S.1929. no.9.

Plant. & Sugar Manuf. (New Orleans)

Richardson, P.

Relation between sugar cane varieties and the agricultural problems prevailing in some zones in Porto Rico. II. Plant. & Sugar Manuf. 83: 245, 259. S.28, 1929. no.13.

Prakt. Blätt. Pflanzenb. u. Pflanzensch. (Freising)
Korff, G. & Böning, K.
Bericht über das auftreten von krankheiten und schädlingen an landwirtschaftlichen kulturpflanzen im Juli 1929. Prakt. Blätt. Pflanzenb. u. Pflanzensch. 29: 153-156. S.1929. no.6.

Proc. Roy. Soc. Queensl.
Francis, W. D.
The location of saponin in the foam-bark tree (Jagera pseudorhus). Proc. Roy. Soc. Queensl. 40: 51-60. pl. i-ii. Mr.12,1929 (Rec'd O.)

Goddard, E. J.
Virus diseases and their bearing on the cell theory and other biological concepts. Proc. Roy. Soc. Queensl. 40: 2-12. Mr.12,1929 (Rec'd O.)

Herbert, D. A.
The major factors in the present distribution of the genus Eucalyptus. Proc. Roy. Soc. Queensl. 40: 165-193. Mr.12,1929 (Rec'd O.)

Jones, T.G.H. & Smith, F.B.
Cinnamomum laubatii - the chemical characters of the essential oils of leaves and bark. Proc. Roy. Soc. Queensl. 40: 27-29. Mr.12, 1929. (Rec'd O.)

Jones, T.G.H. & White, M.
The essential oil of Eucalyptus andrewsi from Queensland. Proc. Roy. Soc. Queensl. 40: 132-133. Mr.12,1929 (Rec'd O.)

Rec. Bot. Surv. India. (Calcutta)
Cowan, J.M.
The forests of Kalimpong. An ecological account. Rec. Bot. Surv. India. 12: 1-74. maps, incl. 1 in text. 1929. no. 1.

Rep. Iowa State Hort. Soc.
Bliss, D. E.
Cedar-apple rust. Rep. Iowa State Hort. Soc. 63: 195-196. [1929]
In Proc. 8th Ann. meeting Iowa Nurserymen's Assoc.

Rep. Iowa State Hort. Soc. (cont.)

King, C.M.
Early bloom of Iowa plants. Ames and Boone. Rep. Iowa State Hort. Soc. 63: 139-143. [1929]

Melhus, I.E.
Present status of crown-gall investigations. Proc. Iowa State Hort. Soc. 63: 199-201. [1929]
In Proc. 8th Ann. meeting, Iowa Nurserymen's Assoc.

Lantz, H.L.
Fruit introductions in the past few years in the colder parts of the middle west. Rep. Iowa State Hort. Soc. 63: 175-179. [1929]
In Proc. 8th Ann. meeting, Iowa Nurserymen's Assoc.

Muncie, J.M.
Present status of the crown gall investigations. Rep. Iowa State Hort. Soc. 63: 204-206. [1929]
In Proc. 8th Ann. meeting Iowa Nurserymen's Assoc.

Pammel, L.H., King, C.M. & Gilchrist, M.
Some notes on frost injury to plants in Iowa in 1928. Rep. Iowa State Hort. Soc. 63:132-138. [1929]

Porter, D.R. & Henderson, W.J.
Progress report on vegetable disease investigations in Iowa, 1928. Rep. Iowa State Hort. Soc. 63: 234-241. [1929]
In Rep.15th convention Iowa State Vegetable Grow. Assoc.
Watermelon (p.235-238) - Potato - Cabbage - Cantaloupe - Onion - Sweet potato.

Rep. Prov. Mus. Nat. Hist. Brit. Columbia.

Newcombe, W.A.
The ferns of British Columbia, with the synonyms used in popular western floras. Rep. Prov. Mus. Nat. Hist. Brit. Columbia. 1928: F16-F18. 1929.

Newcombe, W.A.
The natural history of the Mount Waddington expedition, 1928, of Mr. and Mrs. Don Munday. Rep. Prov. Mus. Nat.Hist. Brit. Columbia. 1928: F14-F16. pl. vi. 1929.

Rev. Gén. Bot. (Paris)

Carpentier, A.

Empreintes de fructifications trouvées en 1929 dans le Westphalien du nord de la France. Rev. Gén. Bot. 41: 468-473. illus., pl. 10. Ag. 1929.

Microsporophylles de névroptéridées. - Cupules séminiferes du Sphenopteris striata Goth.sp. - Zygoptéridées (fougeres anciennes)

Chalaud, G.

Le cycle évolutif de Fossombronia pusilla Dum. V. Les ramifications. Rev. Gén. Bot. 41: 473-497. illus. Ag.1929. no. 488.

Chouchak, D.

L'assimilation chlorophylliene de l'acide carbonique par les feuilles vertes dans un champ electrique. Rev. Gén. Bot. 41: 465-468. Ag.1929. no.488.

Michel-Durand, E.

Recherches physiologiques sur les composés tanniques. II-III. Rev. Gén. Bot. 41: 513-528. Ag.1929. no.488.

II. Variations des composés tanniques et glucidiques dans les feuilles au cours de la végétation.

III. Romeaux de Castanes vesca.

Obaton, F.

Evolution de la mannite (mannitol) ches les végétaux. (suite). Rev. Gén. Bot. 41: 498-512. diagrs. Ag.1929. no.488.

Rev. Hort. (Paris)

Guillaumin, A.

Les cactées, principales especes. (cont.) Rev. Hort. 101: 526-528. illus. S.16,1929. no.21.

Lesourd, F.

Les plus gros arbres de France. (cont.) Rev. Hort. 101: 531-532. illus. S.16, 1929. no.21.

Gymnocladus canadensis, Cedrela sinensis, Cerasus avium, C. avium flore plenu, C.lusitanica.

School Sci. & Math.

Tiffany, L.H.

Living plants available in winter. School Sci. & Math. 29: 714-719. O.1929. no. 7.

Science. (Lancaster, Pa.)

Allen, R.F.

Concerning heterothallism in Puccinia graminis. Science. n.s. 70: 308-309. S.27, 1929. no.1813.

Caldwell, O.W., Cowles, H.C., Crocker, W., Jones, L.R., & Harper, R.A.

John Merle Coulter. Science. n.s., 70: 299-201. S.27, 1929. no.1813.

Rosen, H.R.

A study of the fire blight pathogen, Bacillus amylovorus, within living tissues. Science. n.s. 70: 329-330. O.4, 1929. no.1814.

Scient. Agr. (Ottawa)

Hopper, W.C.

The eradication of weeds by chemical agents. A brief review of literature. Scient. Agr. 10: 128-135. O.1929. no.2.

Leggatt, C. W.

Catalase activity as a measure of seed viability. Scient. Agr. 10: 73-110. illus. O.1929. no.2.

Scient. Amer. (N.Y.)

McDaniel, B.

Praying trees of the desert. The friendly Joshua tree lends a spirit of hopefulness to the weary desert traveler. Scient. Amer. 141: 425. illus. N.1929. no.5.

Yucca arborescens.

Sci. Proc. Roy. Dublin Soc.

Atkins, W.R.G. & Poole, H. H.

Photo-electric measurements of illumination in relation to plant distribution. II. Sci. Proc. Roy. Dublin Soc. 19: 295-309. S.1929. no.20/28.

Sci. Proc. Roy. Dublin Soc. (cont.)

Fitzpatrick, H.M.

Coniferae; Keys to the genera and species, with economic notes. Sci. Proc. Roy. Dublin Soc. 19: 189-260. pl. 9-15. Ap.1929 (Rec'd O.) no.19.

Murphy, P.A. & McKay, R.

The insect vectors of the leaf-roll disease of the potato. Sci. Proc. Roy. Dublin Soc. 19: 341-353. S.1929. no.20/28.

Soil Sci. (Baltimore)

Anderson, I.C.

The use of bacteriostatic dyes in the isolation of Rhizobium leguminosum Frank. Soil Sci. 28: 305-313. O.1929. no.4.

So. African Gard. (Johannesburg)

Bolus, L.

Mesembrianthemum and allied genera. Lapidaria margaretae and Aloinopsis orpenii. South African Gard. 19: 288. illus. (col.illus on p.289) S.1929. no. 9.

Bolus, L.

Plants new or noteworthy. South African Gard. 19: 294. illus. S.1929. no.9.

Homera comptonii, Moraea fergusoniae, n.spp.

W., H. H.

Lime and flowers. South African Gard. 19: 276-277. illus. S.1929. no.9.

Süddeut. Apoth-Zeit.

Kaiser, H.

Von alpenpflanzen. Unter besonderer berücksichtigung der flora im Berchtesgadener land, im klein-Walsertal und im Montafon. Süddeut. Apoth.-Zeit. 69: 570-574, 583-585, 602-605, illus. S.9,13,20, 1929. no.73, 74, 76.

Trans. Amer. Micros. Soc. (Urbana, Ill.)

Ackley, A. B.

New species and varieties of Michigan algae. Trans. Amer. Micros. Soc. 48: 302-309. pl.xxxv-xxxvi. Jl.1929. no.3.

Microchaete spiralis, Characium operculum, Tetraedron duospinum, Oedogonium tiffanii, n. spp.

Trans. Amer. Micros. Soc. (cont.)
Winter, J. M.
Some observations on the rate of mitosis in root tip meristems of gladiolus. Trans. Amer. Micros. Soc. 48: 276-289. pl. xxxii. Jl.1929. no.3.

Trans. Nat. Hist. Soc. Formosa.
Kanehira, R. & Sasaki, S.
A list of Hainan plants collected by Konishi and Katsumada. Trans. Nat. Hist. Soc. Formosa. 19: 364-375. Ag.1929. no.103.

Trans. Sapporo Nat. Hist. Soc.
Imai, S.
On the Clavariaceae of Japan. Trans. Sapporo Nat. Hist. Soc. 11: 38-45. 1929. no. 1.

Imai, S.
On the fungus-inhabiting Cordyceps and Elaphomces in Japan. Trans. Sapporo Nat. Hist. Soc. 11: 31-37. 1929. no.1.
C.jezoensis, E. miyabeanus, E. nopporensis, n.sp.

Tatewaki, M.
The plant-communities in the Island of Matsuwa in the middle Kuriles. Trans. Sapporo Nat. Hist. Soc. 11: 25-30. 1929. no. 1.

Tropenpfl. (Berlin)
Koenig, P.
Ueber die ägyptische kaktusfeige. Tropenpfl. 32: 359-366. S.1929. no.9.

Trop. Agriculture West Indies. (Trinidad)
Cheesman, E. E.
The floral biology of the palm. Trop. Agriculture West Indies. 6: 289-292. O.1929. no.10.
Coco palm.

Dowson, V.H.W.
Agriculture in North Africa. (cont.) Trop. Agriculture West Indies. 6: 250-253, 285-288. S., O. 1929. no. 9-10.

Hutchinson, J. B.
Bud mutation in cotton. Trop. Agriculture West Indies. 6: 275. O.1929. no.10.

Trudy Nauchn. Inst. Selekts. (Contr. Scient. Plant Breed. Inst. (Kiev)

Ermolenko, A. P., Mina, I.D. & Okanenko, A.S.
... [Water-balance in the sugar-beet with different quantities of chlorophyll in the leaves and different degrees of wilting]. Trudy Nauchn. Inst. Selekts. (Contr. Scient. Plant Breed.Inst.] 2: 107-120. 1929.
Russian with English summary.

Favorsky, N.
... Materialen zur biologie und embryologie der zuckerrübe. Trudy Nauchn. Inst. Selekts. (Contr. Scient. Plant Breed. Inst.) 2: 1-18. iii pl. 1928.
Russian with German summary.

Okanenko, A.
... [Color of leaves and quantity of chlorophyll in them, as indicators of selection in sugar beet] Trudy Nauchn. Inst. Selekts. (Contr. Scient. Plant Breed. Inst.) 2: 49-80. 1929.
Russian with German summary.

Okanenko, A.S., Tolmachev, I.M. & Kekukh, A.M.
...[Intensiveness of photosynthesis of sugar beet in relation to varying quantity of chlorophyll in leaves]. Trudy Nauchn. Inst. Selekts. (Contr. Scient. Plant Breed. Inst.) 2: 19-48. 1929.
Russian with German summary.

Okanenko, A.S. & Zavgorodny, F.I.
... [Transpiration of plants with different quantity of chlorophyll and different degreesoof wilting.] Trudy Nauchn. Inst. Selekts.(Contr. Scient. Plant Breed. Inst.) 2: 81-106. 1929.
With reference to sugar beets.
Russian with English summary.

Orlovsky, N.I.
... Zur frage der grösse der spaltöffnungen beim weizen. Trudy Nauchn. Inst. Selekts. (Contr. Scient. Plant. Breed. Inst.) 2: 195-202. 1929.
Russian with German summary.

Trudy Nauchn. Inst. Selekts. (Contr. Scient. Plant Breed. Inst. (cont.)

Plotnikov. T.V.

.... Forms with high chromosome numbers in the progeny of wheat-rye hybrids. Trudy Nauchn. Inst. Selekts. (Contr. Scient. Plant Breed. Inst.) 2: 203-208. illus. 1929.

Russian with English summary.

Tolmachev, I.M.

... [Significance of the plastic material for transpiration, stomatal movement and water balance in plants]. Trudy Nauchn. Inst. Selekts. (Contr. Scient. Plant. Breed. Inst.) 2: 121-162. illus. 1929.

Russian with English summary.

Uchenye Zapiski Kazansk. Gosud. Univ. [Scient. Journ. State Univ. Kazan]

Markov, M.

... Biometrical observations in Ficaria ranunculoides Roth. Uchenye Zapiski Kazansk. Gosud. Univ. [Scient. Journ. State Univ. Kazan] 89: 273-286. 1929.

Russian.

Ponomarev, A. P.

... Biologische untersuchung der schwefelquellen und des schwefelsees von Ssernowdsk-Ssamarski. Uchenye Zapiski Kazansk. Gosud. Univ. [Scient. Journ. State Univ. Kazan] 89: 287-299. illus. 1929.

Russian with German summary.

Lamprocystis symbiotica, Oscillatoria subcapitata, Lyngbya woronichini, new spec.

U.S. Dept. Agr. Techn. Bull.

Quisenberry, K.S. & Clark, J. A.

Breeding hard red winter wheats for winter hardiness and high yield. U.S. Dept. Agr. Techn. Bull. 136. 28 p. S.1929 (Oct..)

A Vinha Portug. (Lisbon)

Ferreira, L

Anthracnose do meloeiro (Colletotrichum oligochactum Cov.) A Vinha Portug. 38(454):10-11. illus. Ag.1929.

Der Züchter. (Berlin)

Scheibe, A.
Die bedeutung der spezialisierungsfrage bei den getreiderostpilzen für pflanzenbau und pflanzuchzüchtung. Der.Züchter. 1: 165-171. illus. S.1929. no.6.

Spengler, O.
Die nichtzuckerstoffe der rübe. Der Züchter. 1: 193-196. S.1929. no.6.

Wagner, S.
Topinambur als ersatz für zuckerrüben. Der Züchter. 1: 190-193. illus. S.1929. no.6.

Exper. Stat. Publ.

Headden, W.P.
The Australian saltbush, its composition and digestibility. Colorado Agr. Exp. Stat. Bull. 345. 27 p. My.1929 (Rec'd Oct.)
Atriplex semibaccata.

Rogers, C.F.
Canada thistle and Russian knapweed and their control. Colorado Agr. Exp. Stat. Bull. 348. 44 p. illus. O.1928 (Rec'd O.1929)
Cirsium arvense, Centaurea picris.

Shriner, R.L. & Anderson R.J.
Chemical studies of grape pigments V. The anthocyans in Ives grapes. New York Agr. Exp. Stat. Techn. Bull. 152. 11 p. Jl.1929 (Rec'd Oct.)

Roberts, R.H.
Some stock and scion observations on apple trees. Wisconsin Agr. Exp. Stat. Res. Bull. 94. 39 p. illus. Je.1929 (Rec'd Oct.)

New Books.

Adamović, L.
Die pflanzenwelt der Adrialander, umfassen Ostitalien, Istrien, die Quarnero-inseln, das Kroatische küstenland, Dalmatien, Südhercegovina, Südmontengro und Albanien. Jena, G.Fischer, 1929.

New Books. (cont.)

Ascherson, P. & Graebner, P.
Synopsis der Mitteleuropäischen flora... nach Ascherson tode fortgesetzt von P. Graebner sen. & P. Graebner fil. lfg.111 (v.12, Compositae (Hieracium bearb. von H.Zahn) bog. 11-15) Leipzig, Borntraeger, 1929.

Bertalanffy, L.
Kritische theorie der formbildung. Berlin, Borntraeger, 1928 (Abhandlungen zur theoretischen biologie hrsg. von J. Schaxel. h.27)

Joyeux, L.
Valeur morphologique du cladode chez les ruscées. Bruxelles, 1928 (Mém. Cl. Sci. Acad. Roy. Belg. Coll. in 8°. v.9, f.11)

Maksimov, N.A.
The plant in relation to water. A study of the physiological basis of drought resistance. Authorized English transl., edited, with notes, by R.H. Yapp. London, G.Allen & Unwin, 1929.
Translation of his Fiziologicheskie osnovy zusukoustoichivosti rastenii (The physiological basis of drought resistance of plants) publ. as Suppl.26. to Bull. of Appl. Bot. Leningrad.

Monoyer, A.
Contribution a l'anatomie et à l'éthologie des monocotylées aquatiques. Bruxelles,1928. (Mém. Cl. Sci. Acad. Roy. Belg. Coll. in 8°. v. 10, f.5)

Ramis, A.I.
Bestimmungstabellen zur flora von Aegypten. Jena, G. Fischer, 1929.

Reiter, T. & Gábor, D.
Zellteilung und strahlung. Berlin, J. Springer, 1928.
Sonderheft der wissenschaftlichen veröffentlichungen aus dem Siemens-konzern.

New Books. (cont.)

St.John, H.
Plants of the headwaters of the St.John river, Maine. Reprinted from Res. Stud. State Coll. Washington. 1: 28-58. illus. (map), pl.2-3. 1929.

Simons, W.
Albrecht. Thaer. Berlin, P. Parey, 1929.

Smith, J. J.
Guide to the Botanic gardens, Buitenzorg. [Buitenzorg, 1929?]
Cover title: Illustrated guide & c.

Vandendries, R.
Les mutations sexuelles, l'hétérohomothallisme et la stérilité entre races géographiques de Coprinus micaceus. Bruxelles, 1927 (Mém. Cl. Sci. Acad. Roy. Belg. Coll. in 8°. v.9, f.3)

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY,
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

Vol. 11, no. 22. Oct.14-26, 1929.

Acta Bot. Inst. Bot. Univ. Zagreb.

Ercegrović, A.
Dalmatella, nouveau genre des cyanophycées lithophytes de la côte adriatique. Acta Bot. Inst. Bot. Univ. Zagreb. 4: 35-41. illus. 1929.

Horvat, I.
Rasprostranjenje i prošlost mediteranskih, ilirskih i pontskih elemenata u flori sjeverne Hrvatske i Slovenije. (Die verbreitung und geschichte der mediterranen, illyrischen und pontischen florenelemente in Nordkroatien und Slovenien). Acta Bot. Inst. Bot. Univ. Zagreb. 4: 1-34. illus. (map). 1929.
Croatian with German summary.

Horvatić, S.
Oblici sekcije leucanthemum iz roda Chrysanthemum u flori Jugoslavije. (Die formen der sectio leucanthemum aus der gattung Chrysanthemum in der flora Jugoslawiens). Acta Bot. Inst. Bot. Univ. Zagreb. 3: 61-140. illus. 1928 (Rec'd Ag.1929)
Croatian with German summary & Latin diagnosis of new species and forms (C.liburnicum, C. croaticum n.spp.)

Kusán, F.
Predradnje za floru lišajeva hrvatske. I. Izvještaj (Vorarbeiten zu einer flechtenflora Kroatiens. I. Mitteilung). Acta Bot. Inst. Bot. Univ. Zagreb. 3: 1-40. illus. (map). 1928 Rec'd Ag.1929)
Croatian with German summary.

Pevalek, I.
Prilog poznavanju slatkovodnih alga otoka Krka. (Contribution to flora of freshwater algae of the Croatian Island Krk). Acta Bot. Inst. Bot. Univ. Zagreb. 4: 42-58. illus. 1929.

Pichler, A. R.
Mahovi tresetari Hrvatske i Slovenije. (Die torfmoose Kroatiens und Sloveniens). Acta Bot. Inst. Botl Univ. Zagreb. 3: 41-60. illus. (map) 1928 (Rec'd Ag.1929)
Croatian with German summary.

Acta Bot. Inst. Bot. Univ. Zagreb. (cont.)

Pišpek, P. A.
Edafske mukorineje Jugoslavije. (Les mucorinées du sol en Jougoslavie). Acta Bot. Inst. Bot. Univ. Zagreb. 4: 77-112. illus. 1929.
Croatian with French summary.
Describes new species in Mucor, Zygorhynchus, Mortierella, Cunninghamella.

Vouk, V.
On the origin of the thermal flora. Acta Bot. Inst. Bot. Univ. Zagreb. 4: 59-63. 1929.

Acta Hort. Berg. (Stockholm)

Burström, H.
Zytologische studien innerhalb der gattung Eremurus. Acta Hort. Berg. 9: 293-302. illus. 1929. no.8.

Edman, G.
Zur entwicklungsgeschichte der gattung Oxyria Hill, nebst zytologischen, embryologischen und systematischen bemerkungen über einige anderer polygonaceen. Acta Hort. Berg. 9: 165-291. illus. 1929. no. 7.

Ann. Ecole Nat. Agr. Montpellier.

Branas,
Chlorose sur producteurs directs. Ann. Ecole Nat. Agr. Montpellier. n. s., 20: 58-62. (1929) no.1.
Of the vine.

Branas,
Lésions sur sarments aoutés. Ann. Ecole Nat. Agr. Montpellier. n.s., 20: 47-57. illus. (1929) no. 1.

Ann. Sci. Agron. (Paris)

Maume, L. & Dulac, J.
Le problème de la toxicité et de l'antagonisme en physiologie végétale. Ann. Sci. Agron. 46: 400-443. Jl./Ag. 1929. no.4.

Vincent, V. & Herviaux, J.
Le sodium dans les végétaux cultives. Ann. Sci. Agron. 40: 444-460. Jl./Ag. 1929. no.4.

V.11, no.22, p.3.

Ann. di Bot. (Roma)

Bambacioni, V.
Risultati di alcune esperienze in relazione col fenomeno dell'ingiallimento dei vegetal. Ann. di. Bot. 18: 237-252. Jl.15.1929. no.2.

Biraghi, A.
Impollinazioni tra Nicotiana rustica ♀ var. brasilia e Petunia sp. ♂ e loro effetti. Ann. di Bot. 18: 216-222. pl. ix. Jl.1929. no.2.

Cappelletti, C.
Sterilità di origine micotica nella "Ruta patavina" L. Ann. di Bot. 18: 145-166. pl.vi-vii. Jl.15, 1929. no.2.

Carano, E.
Un caso di variazione settoriale nei fiori di una Canna. Ann. di Bot. 18: 301-303. Jl.15, 1929. no. 2.

Martelli, V.
Il cladodio ed il fillocladio. Ann. di bot. 18: 223-234. Jl.15,1929. no. 2.

Sibilia, C.
Contributo alla flora micologica del territorio di Anagni. Ann. di Bot. 18: 253-300. illus. Jl.15, 1929. no.2.
Hypsopila phaseoli, Guignardia coronillae, Otthia spartii, Hysterographium quercinum, Pyrenochaeta lupini, n.spp.

Ventura, M.
Contributo allo studio embriologico di una forma anomala di "Nicotiana silvestris" Spegazz. Ann. di Bot. 18: 167-173. pl.viii. Jl.15, 1929. no.2.

Ventura, M.
Di un interessante caso teratologico in un frutto di Iris pallida Lam. Ann. di Bot. 18: 235-236. Jl.15, 1929. no.2.

Zenari, S.
Il carattere "semi duri" in rapporto con la discendenza e l'ambiente. Ann. di Bot. 18: 174-215. Jl.15, 1929. no.2.

Ann. Agr. Exp. Stat. Gov.-gen. Chosen.
Sasaki, S.
A Phomopsis of soy bean. Ann. Agr. Exp. Stat. Gov.-gen. Chosen. 4: 1-31. illus. F. 1929 (Rec'd Ag.)
Japanese.

Ann. Missouri Bot. Gard. (St.Louis)
Linder, D. H.
A monograph of the helicosporous fungi imperfecti. Ann. Missouri Bot. Gard. 16: 227-388. illus., pl.12-31. S.1929. no.3.

Arch. Pharm. & Ber.Deut. Pharm. Ges. (Berlin)
Fujita, N.
Ueber die fruchte der Schizandra chinensis Bail. und Kadsura japonica Dun. Arch. Pharm. & Ber. Deut. Pharm. Ges. 267: 532-540. 1 fold.pl. O. 1929. no.7.

Schurhoff, P.N.
Zytologische und genetische untersuchungen an Mentha and ihre bedeutung für die pharmakognosie. Arch. Pharm. & Ber. Deut. Pharm. Ges. 267: 515-526. illus., fold.pl. O.1929. no.7.

Arch. Protistenk. (Jena)
Halberstaedter, L. & Luntz, A.
Die wirkung der radiumstrahlen auf Eudorina elegans. Arch. Protistenk. 68: 177-186. pl. 1. O.1929. no.1.

Jírovac, O.
Die silberlinien bei einigen flagellaten. Arch. Protistenk. 68: 209-214. illus., pl.4. O. 1929. no. 1.

Lindemann, E.
Experimentelle studien über die fortpflanzungserscheinungen der süsswasserperidineen auf grund von reinkulturen. Arch. Protistenk. 68: 1-104. illus. O.1929. no. 1.

Mainx, F.
Untersuchungen über den einfluss von aussenfaktoren auf die phototaktische stimung. Arch. Protistenk. 68: 105-176. O.1929. no.1.

V.11, no.22, p.5.

Arch Rubbercult. Nederl.-Ind. (Batavia, Java)

Heusser, C.

Tapresultaten en andere observaties bij hevea-kruisingen in den proeftuin Soengei Pantjoer. (Tapping results and other observations concerning crosses of Hevea trees in the experimental garden of Soengei Pantjoer) Arch. Rubbercult. Nederl.-Ind. 13: 495-554. illus., 2 fold. tab. S.1929. no.9.

English translation: p.531-554.

Bibliographia Genetica. ('s-Gravenhage)

East, E.M.

Self-sterility. Bibliographia genetica. 5: 331-370. 1929.

Kniep, H.

Vererbungserscheinungen bei pilzen. Bibliographia genetica. 5: 371-478. illus. 1929.

Malinowski, E.

Genetics of Brassica. Bibliographia genetica. 5: 1-26. 1929.

Biochem. Journ. (London)

Collison, D.L., Hume, E.M., Smedley-Maclean, I., & Smith, H.H.

The nature of the vitamin A constituent of green leaves. Biochem. Journ. 23: 634-647. 1929. no. 4.

In cabbage, carrot and spinach.

Moore, T.

Vitamin A and carotene. I. Biochem. Journ. 23: 803-811. 1929. no.4.

I. The association of vitamin A activity with carotene in the carrot root.

Biochem. Zeitschr. (Berlin)

Gabel, G. & Kiprianoff, G.

Der gehalt an pektinsäure und methylalkohol im russischen tabak. Biochem. Zeitschr. 212: 337-346. S.11, 1929. no.4/6.

Iwanoff, N. N. & Kudrjawzewa, M.A.

Ueber die ausscheidung der saccharase aus den zellen. Biochem. Zeitschr. 212: 241-254. illus. S.11, 1929. no.4/6.

Biochem. Zeitschr. (cont.)

Iwanoff, N.N.& Krupkina, F.A.
Ueber die stickstoffausscheidung der hefe während der gärung. Biochem. Zeitschr. 212: 255-266. S.11, 1929 no.4/6.

Iwanoff, N.N., Alexandrowa, R. S. & Kudrjawzewa, M.A.
Ueber die unwandlung der zuckerarten beim reifen der früchte von wassermelonen. Biochem. Zeitschr. 212: 267-279. illus. S.11, 1929. no.4/6.

Lischkewitsch, M.J. & Prizemina, S. P.
Ueber den fermentgehalt in samen verschiedenen ursprungs. Biochem. Zeitschr. 212: 280-290. S.11, 1929. no4/6.

Niethammer, A.
Beiträge zur mikro-und histochemischen alkaloidnachweis. Biochem. Zeitschr. 213: 138-141. S.23, 1929. no.1/3.

Pirschle, K.
Zur assimilation des harnstoffs durch die höhere pflanze. Biochem. Zeitschr. 212: 466-476. S.11, 1929. no.4/6.

Biol. Zentralbl. (Leipzig)

Kirchheimer, F.
Zur biologie des fossilen laubblattes. Traufelspitzige regenblätter in einigen miozänen tertiärfloren. Biol. Zentralbl. 49: 623-639. 1929. no.10.

Stempell, W.
Nachweis der von frischem zwiebelsohlembrei ausgesandten strahlen durch störung der Liesegangschen ringbildung. Biol. Zentralbl. 49: 607-615. illus. 1929. no.10.

Blumen, U. Pflanzenb. (Berlin)

Fabel, W.
Rosenschädlinge tierischen und pilzlicher natur. Blumen u. Pflanzenb. 10: 183-184. illus. 0.2, 1929. no.10.
Mildew & rust.

Blumen u. Pflanzenb. (cont.)

Laubert, R.

Zwei wenig bekannte pflanzenkrankheiten aus meinem garten. Blumen u. Pflanzenb. 44: 184-185. illus. O.2. 1929. no.10.

Aphelenchus ritzema bosi on Doronicum, Ramularia variabilis on Digitalis purpurea.

Meyer, F.

Paeonien. (concl.) Blumen u. Pflanzenb. 44: 176-180. O.2, 1929. no.10.

Boll. Sci. Nat. ed. Econ. Palermo.

Buscalioni, L.

Omoligie ed analogie tra le Podostemonacee attuali, le psilofitali ed altri tipi areaici. Boll. Sci. Nat. ed Econ. Palermo. 8(1927); 12-15. 1928 (Rec'd S.1929)

Buscalioni, L. & Bruno, F.

Sui rapporti tra amido e lipoidi endoclorofillian ani ne lcorso dell'anno. Boll. Sci. Nat. ed Econ. Palermo. 9(1927): 33-52. 1928(Rec'd S.1929)

Buscalioni, L. & Catalano, G.

Sulla costituzione morfologica dei fillomi spinescenti delle asparagacee in rapporto alle foglie ipopeltate (Nota prev.). Boll. Sci. Nat. ed Econ Palermo. 9(1927): 8-12. 1928 (Rec'd S. 1929)

Catalano, G.

Effetto delle axioni traumatiche sui nuclei dell'endosperma di fava. Boll. Sci. Nat. ed Econ. Palermo. 9(1927): 23-32. 1928 (Rec'd S. 1929)

Catalano, G.

Sulle anomali degli organi di riproduzione di Agave zapupe, in rapporto alla probabile natura ibrida di questa pianta. Boll. Sci. Nat. ed Econ. Palermo. 10(1928): 31-40. 1929.

Bull. Agence. Gén. Colon. France. (Paris)
Hein de Balsac, F., Dagand, G. S., Maheu, J. Heim de Balsac, H. Lefévre, L.
La graine oléifere et l'huile de"cay-so" du Tonkin (Thea sasanqua (Thumb.) Pierre). Bull. Agence Gén. Colon France. 22: 966-980. 3 pl. (2fold) S.1929. no.248.

Bull. Min. Agr. Egypt. Techn. & Sci. Serv.
Balls, W.L., Templeton, J., Brown, C.H., Kilani, M. & others.
The natural crossing of cotton flowers in Egypt. Bull. Min. Agr. Egypt. Techn. & Sci. Serv. Bull.89. 22 p. illus. 1929.

Bull. Soc. Bot. France. (Paris)
Bois, D.
Les plantes exotiques cultivées dans la région de Cherbourg. Bull. Soc. Bot. France. 76: 141-162. Ap.21, 1929. no.1/2.

Bouygues, H.
De l'influence de la richesse en eau d'une membrane de gélatine sur les échanges osmotiques á travers sa masse. Bull. Soc. Bot. Grance. 76: 311-314. Jl.2, 1929. no.3/4.

Bouygues, H.
Note sur un osmomètre à membrane de gélatine. Bull. Soc. Bot. France. 76: 90-91. Ap.21, 1929. no.1/2.

Burollet, P.A.
Sur le comportement et l'habitat du Sporobulus pungens (Schreb.) Kunth. Bull. Soc. Bot. France. 76: 320-326. Jl.2, 1929. no.3/4.

Chemin, E.
Développement des spores issues du cystocarpe de Gymmogongrus norvegicus J.Agr. Bull. Soc. Bot. France. 76: 305-308. illus. Jl.2, 1929. no.3/4.

Bull. Soc. Bot. France. (cont.)

Chevalier, A.
L'oeuvre d'Auguste de Saint-Hilaire en phytogéographie dynamique. Bull. Soc. Bot. France. 76: 3-10. illus. Ap.21, 1929. no.1/2.

Chouard, P. & Prat, H.
Note sur les tourbières du massif de Néouvielle (Hautes-Pyrénées). Bull. Soc. Bot. France. 76: 113-130. illus. pl.iii. Ap.21, 1929. no.1/2.

Deflandre, G.
Notes sur l'Arthrodesmus impar (Jacobsen) Groenblad et ses variations, suivies de remarques sur la délimitation des genres Arthrodesmus et Xanthidium. Bull. Soc. Bot. France. 76: 130-139. illus. Ap.21, 1929. no.1/2.

Eftimiu, P.
Contribution à l'étude de l'évolution nucléaire chez certaines erysiphacées. Bull. Soc. Bot. France. 76: 10-20. pl. i-ii. Ap.21, 1929. no.1/2.

Fournier, P.abbé.
Potamogeton natans sparganiifolius Almq. Bull. Soc. Bot. France. 76: 78-79. Ap.21, 1929. no.1/2.

Fournier, P.
Thymus serpyllum rosellinus Pl.Fournier. Bull. Soc. Bot. France. 76: 328-329. Jl.2, 1929. no.3/4.

Friedel, J.
Filiation des papavéracées. II. Essai sur l'orthogénie du fruit chez les papavéracées à siliques. Bull. Soc. Bot. France. 76: 285-291. illus. Jl.2, 1929. no.3/4.

Gagnepain, F.
Deux anémones nouvelles d'Indo-Chine. Bull. Soc. Bot. France. 76: 315-316. Jl.2, 1929. no.3/4.
A.chapaensis, A.pollanei, n.sp.

Bull. Soc. Bot. France. (cont.)

Gagnepain, F.
Un Primula d'Indo-Chine. Bull. Soc. Bot. France. 76: 139-140. Ap.21, 1929. no.1/2.
P.chapaensis, sp.n.

Gagnepain, F.
Quelques Elatostema et un Procris nouveaux l' Indo-Chine. Bull. Soc. Bot. France. 76: 80-82. Ap.21,1929. no.1/2.
E.balansae, E.baviensis, E.colaniae, E.petelotii; Procris rhizantha.

Gagnepain, F.
Ranalisma Stapf. devient Echinodorus Rich. Bull. Soc. Bot. France. 76: 274-276. Jl.2, 1929. no.3/4.

Gagnepain, F.
Trois Oberonia nouveaux d'IndoChine. Bull. Soc. Bot. France. 76: 326-327. Jl.2, 1929. no.3/4.
O.delacourii, o.evrardii. o.trochopetala.

Buillaumin, A.
Contribution à la flore des Nouvelles-Hébrides. III. Supplément aux plantes recueillies par M. Levat. Bull. Soc. Bot. France. 76: 298-303. Jl.2, 1929. no.3/4.

Hédin, L.
Note sur le Mimusops congolensis (De Wild.) W. Russell et Hédin (syn: Autranella congolensis (De Wild.) A.Chev.) Bull. Soc. Bot. France. 76: 67-72. illus. Ap.21, 1929. no.1/2.

Jaccard, P.
Considérations sur le coefficient générique et sa signification floristique et phytososiologique. Bull. Soc. Bot. France. 76: 47-66. Ap.21, 1929. no.1/2.

Jovet, P.
Remarques sur quelques plantes du Valois. Bull. Soc. Bot. France. 76: 32-46. Ja/F. 1929 (Rec'd O. 1929) no.1/2.

Bull. Soc. Bot. France. (cont.)

Jovet, P.
L'Oenanthe fluviatilis Coleman dans la vallée de l'Ourcq. Bull. Soc. Bot. France. 76: 317-319. Jl.2, 1929. no.3/4.

Lavialle, P.
Observations et considérations sur la germination accidentelle des graines au sein des fruits charnus. Bull. Soc. Bot. France. 76: 276-279. Jl.2,1929. no.3/4.

Lavialle, P.
Polymorphisme floral chez Knautia arvensis Coult. Bull. Soc. Bot. France. 76: 309-311. Jl.2,1929. no.3/4.

Lemesle, R.
Les premiers stades du développement de l'embryon chez le Damasonium stellatum Thuill. Bull. Soc. Bot. France. 76: 74-78. illus. Ap.21, 1929. no.1/2.

Liou, T.
Note sur quelques muscinées intéressantes observees dans les Causses du Gévaudan. Bull. Soc. Bot. France. 76: 292-298. Jl.2, 1929. no.3/4.

Liou, T.
La végétation épiphytique des bois de conifères. Bull. Soc. Bot. France. 76: 21-29. Ap.21, 1929. no.1/2.

Nekrassowa, V.
Révision des orchidacées de la Transbaïkalie. Bull. Soc. Bot. France. 76: 329-338. Jl.2, 1929. no.3/4.

Rayss, T.
Note préliminaire sur quelques algues récoltées aux environs de la station biologique de Besse (Puy-de-Dôme) Bull. Soc. Bot. France. 76: 279-285. Mr./Ap. 1929 (Rec'd O.) no.3/4.

V.11, no.22, p.12.

Bull. Soc. Bot. France. (cont.)

Sennen, fr.

Une herborisation hivernale aux alentours de Barcelone. Bull. Soc. Bot. France. 76: 82-89. Ap.21, 1929. no.1/2.

Souèges, R.

Recherches sur l'embryologénie des légumineuses. Bull. Soc. Bot. France. 76: 93-112, 338-346. illus. Ap.21, Jl.2, 1929. no.1/2, 3/4.

Bull. Soc. Mycol. France. (Paris)

Beauverie, J.

Sur un Zygosaccharomyces de la datte iso-hétérogame. Bull. Soc. Mycol. France. 45: 153-170. illus. S.10, 1929. no.2.

Z.cavarae, var. beauverie, n.var.

Choisey, M.

La morphologie du genre Cladonia, lichen discomycete. Bull. Soc. Mycol. France. 45: 184-188. S. 10, 1929. no. 2.

Gilbert, E.

L'emploi des vapeurs d'iode en mycologie. Bull. Soc. Mycol. France. 45: 141-144. S. 10, 1929. no. 2.

Gilbert, E.

Notules sur les ananites. Ser.V. Bull. Soc. Mycol. France. 45: 129-140. S.10, 1929. no.2.

Killian, C.

Développement et biologie du Ramularia repentis Oud. Bull. Soc. Mycol. France. 45: 145-152. pl. iv-v. S.10, 1929. no.2.

Mayor, E.

Herborisations mycologiques dans la région de Chamonix (Haute-Savoie). Bull. Soc. Mycol. France. 45: 171-183. S.10, 1929. no.2.

Société mycologique de France.

Atlas de planches coloriées. pl.xxxiii-xxxiv. In its Bulletin. v.45. S.10, 1929. no.3/4.

Russula chamaeleontina, Leucoporus forquignoni.

Calif. Countrym. (Berkeley)
Spurlock, C.M.
The pear blight. The history and some methods for controlling the ravages of the most destructive pear disease. Calif. Countrym. 16: 10-11. illus. O.1929. no.2.

Centralbl. Bakt. Abt.II. (Jena)
Janke, A. & Holzer, H.
Ueber die schimmelpilzflora des erdbodens. Centralbl. Bakt. Abt. II, 79: 50-74. illus. O.2, 1929. no.1/7.

Centralbl. Zuckerind. (Magdeburg)
Pläant, M.
Rübenkrankheiten. Centralbl. Zuckerind. 37: 1113-1117, illus. S.28, 1929. no.39.

Circ. Secc. Prop. e Inform. Min. Agr. Argentine. (Buenos Aires)
Girola, C. D.
Destrucción de las plantas invasoras perjudiciales, anuales y vivaces. Ed.4. Circ. Secc. Prop. e Inform. Min. Agr. Argentine. no.769. 31p. illus. Je. 1929.

Girola, C. D.
Plantas toxicas para los animales. Observaciones compiladas y resultados de experiencias efectuadas. ed.2. Circ. Secc. Prop. e Inform. Min. Agr. Argentine. no.472. 27 p. illus. Je.1929.

Citrus Indust. (Tampa Fla.)
Robinson, T. R.
Correct horticultural names of citrus fruits. Citrus Indust. 10(10): 4.5, 28-29. O.1929.

Watson, J. R.
The control of rootknot in seedbeds. Citrus Indust. 10(10): 10. O.1929.

Il Coltivatore. (Casale Monferrato)
Vegezzi, F.
Alla ricerca di una varietà di pomdoro per l'esportazione adatto per i terreni irrigui. Il Coltivatore. 75: 304-309. illus. O.10, 1929. no.28.
"Comet"

Compt. Rend. Acad. Sci. Paris.

Bridel, M. & Bourdouil, C.

Sur la transformation des glucides au cours du mûrissement des bananes. Compt. Rend. Acad. Sci. Paris. 189: 543-545. O.7, 1929. no.15.

Remy, L.

Sur l'étiologie et la therapeutique de tumerus végétales d'allure maligne. Compt. Rend. Acad. Sci. Paris. 189: 495-496. S.30, 1929. no.14.

Dostal, R.

Sur la reproduction du Caulerpa. Compt. Rend. Acad. Sci. Paris. 189: 493-494. S.30, 1929. no. 14.

Gard, M.

Pourridié et carbonate de chaux. Compt. Rend. Acad. Sci. Paris. 189: 497-498. S.30,1929. no.14.

Armillaria mellea on walnut and "prunier d'ente or d' Agen", Rosellinia necatrix on vine.

Ernähr. Pflanze. (Berlin)

Alves, A.

Die wichtigsten grünlandssaaten in wort und bild. Ernähr. Pflanze. 25: 452-455. illus. O.1,1929. no. 19.

Steinberg, I.

Beobachtungen uber die frostschutzwirkung von kalisalzdüngung bei wintergetreide. Ernähr. Pflanze. 25: 449-450. illus. O.1,1929. no.19.

Flor. Rev. (Chicago)

Valderwal, D.J.

Botrytis disease on snapdragons. Flor. Rev. 64: 29-30. illus. O.10, 1929. no.1663.

Forstarchiv. (Hannover)

Hartmann, F.K.

Zum wasserhaushalt im walde. Forstarchiv. 5: 377-382. O.1929. no.19.

Sammelbericht über das neueste schrifttum.

Fortschr. Landw. (Vienna)

Greisenegger, I.K. & Drahorad, F.
Celophanpapier als isolierungsmittel gegen fremdbestäubung. Fortschr. Landw. 4: 634-636. illus. O.1929. no.19.

Rathlef, H.von.
Schwedische und dänische beobachtungen über krankheitsanfälligkeit, ausgeglichenheit der knollen und reifezeit einiger kartoffelsorten. Fortschr. Landw. 4: 632-634. O.1, 1929. no. 19.

Gard. Chron. (London)

Brown, N.E.
Mesembryanthemum. Mitrophyllum (cont.) Gard. Chron. III, 86: 264. O.5, 1929. no.2232.

Darnell, A.W.
The genus Primula. (cont.) Gard. Chron. III, 86: 289-290. O.12,1929. no.2233.

Friend, H.
Problems of plant life. X-XI. Gard. Chron. III, 86: 268, 288-289. illus. O.5,12, 1929. no.2232-2233.
X. Breathing pores or stomato (cont.) XI. The significance of bloom.

Osborn, A.
Emmenopterys henryi, Oliver. Gard. Chron. III, 86: 267. illus. O.5, 1929. no.2232.

Redgrove, H.S.
Mitcham peppermint. Gard. Chron. III, 86: 265. illus. O.5, 1929. no.2232.

Robinson, G. W.
An English gardener in Chili. (cont.) Gard.Chron. III, 86: 268-269. illus. O.5, 1929. no.2232.

Ward, F.K.
Mr. F. Kingdon Ward's tenth expedition in Asia. XXXII. The riddle solved. Gard. Chron. III, 86: 286-287. illus. O.12, 1929. no.2233.

Gard. Chron. (cont.)

Ward, F.K.

Rhododendron repens and its allies. Gard. Chron. III, 86: 266-267. O.5, 1929. no.2232.

Yashiroda, K.

Japanese morning glories. Gard. Chron. III, 86: 282-283. illus. O.12,1929. no.2233.

Gard. Illus. (London)

Gowley, H.

Ten days in Leventina. The diary of a visit to the Alps of Val Ticino and around Pipra. (cont.) Gard. Illus. 51: 676-677. illus. O.5, 1929. no.2639.

Gartenbauwiss. (Berlin)

Kochs, J.

Wasserlösliche oxalsäure im rhabarber. Gartenbauwiss. 2: 456-458. S.21, 1929. no.4.

Liesegang, H.

Untersuchungen über den nährstoffverbrauch und den verlauf der nahrungsaufnahme verschiedener gemüsearten. Gartenbauwiss. 2: 415-455. illus. S.21, 1929. no.4.

Seidel, H.

Der sellerie, (Apium graveolens var. rapaceum) eine studie zur sorten- und qualitatsfrage. Gartenbauwiss. 2: 377-414. S.21, 1929. no.4.

Hilgardia. (Berkeley, Cal.)

Winkler, A. J.

The effect of dormant pruning on the carbohydrate metabolism of Vitis vinifera. Hilgardia. 4: 153-173. illus. S.1929. no.6.

Horticulture. (Boston)

Wilson, E. H.

An apple tree which is 100 years old. Horticulture. 7: 501. illus. O.15, 1929. no.20.

The "Westfield" or "Seek-No-Further" variety in Marshfield Hills.

V.11, no.22, p.17.

House and Gard. (Greenwich, Conn.)
Wilder, L. B.
Hardy asters in the rock garden. House and Gard. 56(5): 102-103, 138, 140. illus. N.1929.

Intern. Bull. Plant Prot.
Buffon, A.
Guadeloupe: Outbreak of gummosis of the sugar cane. Intern Bull. Plant Prot. 3: 81-82. Je.1929. no.6.

Data and information on damage to cultivated crops by the cold of the winter 1928-1929. Intern. Bull. Plant Prot. 3: 117-121, 132-134. Ag., S.1929. no. 8, 9.

Kern, H.
Hungary: Important or new plant diseases observed during 1926-1928. Intern. Bull. Plant Prot. 3: 82-83. Je.1929. no.6.

Marchal, E.
Cryptogamic parasites of crops in 1928. Intern. Bull. Plant Prot. 3: 97-98. Jl.1929. no. 7.

Staner, P.
Belgian Congo: Some new cotton diseases. Intern. Bull. Plant Prot. 3: 98-99. Jl.1929. no. 7.

Ital. Agr. (Milan)
Angeli, G.de.
Ricerche sulla compatibilità del polline di "Buon Cristiano William's". Ital. Agr. 66: 667-669. S.1929. no.9.

Savelli, R.
Canapa monofilla e canapa pinnatifidofilla. Ital. Agr. 66: 629-646. illus. S.1929. no.9.

Journ. Amer. Soc. Agron. (Geneva, N.Y.)
Anderson, A. & Kiesselbach, T.A.
Cultural tests with the Jerusalem artichoke. Journ. Amer. Soc. Agron. 21: 1001-1006. illus. O.1929. no.10.

Journ. Amer. Soc. Agron. (cont.)
Woodworth, C.M.
Comparative frequency of defective seeds and chlorophyll abnormalities in different varieties of corn following self-fertilization. Journ. Amer. Soc. Agron. 21: 1007-1014. O.1929. no.10.

Journ. Chem. Soc. London.
Clemo, G.R. & Raper, R.
The lupin alkaloids pt.II. Journ. Chem. Soc. London. 1929: 1927-1940. S.1929.

Journ. Coll. Agr. Imp. Univ. Tokyo.
Kagawa, F.
A study on the phylogeny of some species in Triticium and Aegilops, based upon the comparison of chromosomes. Journ. Coll. Agr. Imp. Univ. Tokyo. 10: 173-228. illus.,pl. vii-xi. Jl.30,1929. no. 3.

Journ. Counc. Sci. Industr. Res. Australia. (Melbourne)
Angell, H. R.
Blue mould of tobacco: Investigations concerning seed transmission. Journ. Counc. Sci. Res. Australia. 2: 156-160. Ag.1929. no.3.

The downy mildew of the hop. Journ. Counc. Sci. Industr. Res. Australia. 2: 190-191. Ag.1929. no.8.

Journ. Indian Inst. Sci. (Madras)
Narayanamurti, D., Ramaswami Ayyar, C.V. & Norris,R.V.
Studies in enzyme action. III-IV. Journ. Indian Inst. Sci. 12A: 105-108, 109-129. diagrs. 1929.
III. Amylase from cumbu (Pennisetum typhoideum)
IV. Tyrinosae I.
R.V. Norris joint author III only.

Journ. Landw. (Berlin)
Meyer, K.
Die einwirkung äusserer Wachstumsbedingungen auf das keimverhalten von getreide in zuckerlösungen. Journ. Landw. 77: 97-138. illus. O.1929. no.2.

Journ. Min. Agr. Gt. Brit. (London)

Bewley, W. F.
The practical sterilization by heat of small quantities of soil. Journ. Min. Agr. Gt. Brit. 36: 623-634. 4 pl. O.1929. no. 7.

Metcalfe, C. R.
The "shab" disease of lavender. Journ. Min. Agr. Gt. Brit. 36: 640-645. 2 pl. O.1929. no.7.
Phoma lavendulae.

Stapledon, R.C. & Thomas, M.T.
Subterranean clover and winter-killing. Journ. Min. Agr. Gt. Brit. 36: 616-619. 1 pl. O.1929. no. 7.

Journ. N.Y. Bot. Gard.

Fulling, E. H.
Decorative mixed coniferous-evergreen collections in the New York botanical garden. (cont.) Journ. N.Y. Bot. Gard. 30: 244-261. illus. o.1929. no. 358.

Journ. Roy. Micr. Soc.(London)

Shimamura, T.
Meiosis in Rumex pulcher L. Journ. Roy. Micr. Soc. III, 49: 211-216. pl.i-iii. S.1929. no.3.

Journ. Washington Acad. Sci.

Wherry, E. T.
Acidity relations of the sarracenias. Journ. Washington Acad. Sci. 19: 379-390. illus. O.19. 1929. no. 17.
S.jonesii, n.sp.

Landw. Jahrb. (Berlin)

Volk, A.
Trockenbeizwirkung in abhängigkeit von bodenreaktion und bodenart. Landw. Iahrb. 70: 583-592. 1929. no.4.

Malayan Agr. Journ. (Kuala Lumpur)

Doscas, A.E.C.
Annual report of the chief field officer, 1928. Malayan Agr. Journ. 17: 277-292. Ag.1929. no.8.

Malayan Agr. Journ.(cont.)
Sharples, A.
Annual report of the mycologist, 1928.
Malayan Agr. Journ. 17: 294-303. Ag.1929. no.8.

Malayan For. Rec.
Buckley, T.A.
Mangrove bark as a tanning material. Malayan For. Rec. no. 7. 40 p. Ag.1929.

Meded. Koffiebessenboeb.-fonds. (soerbaia)
Friederichs, K.
De bestrijding van de Koffiebessenboeboek op de onderneming karang Redjo. Meded. Koffiebessenboeb.-fonds. 1: 7-20. F.1929.
Botrytis spp. on coffee beetle.

Minn. Hort. (Minneapolis)
Harvey, R.B.
Relation of the storage temperature to freezing injury in vegetables. Minn. Hort. 57: 261-268. illus. O.1929. no.9.

Möller's Deut.Gärtn.-Zeit. (Erfurt)
Knebel, C.
Zur kultur der blattkakteen. Möller's Deut. Gärtn.-Zeit. 44: 330-331. O.1, 1929. no.28.

Nature. (London)
Haldane, J.B.S.
The species problem in the light of genetics. Nature. 124: 514-516. O.5,1929. no.3127.
Paper read to the Society of experimental biology on June 15.

Hill, A.W.
The original home and mode of dispersal of the coconut. Nature. 124: 507-509. O.5,1929. no.3127.
With notes on native names used in the article by R.A.S. Paget.

Richardson, E.
A chromosome ring in Pisum. Nature. 124: 578-579. illus. O.12,1929. no.3128.

Nature Mag.(Wash., D.C.)

Robinson, M. F.
Tree barks, their story. Nature Mag. 14: 285-290. illus. N.1929 no.5.

Tremper, E.P.
Holly for all time. Nature Mag. 14: 296, 309. illus. N.1929. no.5.
Northwestern holly ranches may save native species.

Naturforsch. (Berlin)

Goez, W.
Die herbstliche veränderung des laubes. (concl.) Naturforsch. 6: 260-266. O.1929. no. 7.

New Flora & Silva.(London)

Cooper, R. E.
Plant collecting in Bhutan. New Flora & Silva. 2: 43-49. 3 pl. on 2. O.1929. no. 1.

Elliott, C.
Leucocoryne ixioides odorata (Glory of the sun). New Flora & Silva. 2: 40-42. illus. O.1929. no.1.

Grove, A.
Uncommon bulbs. Some arguments on their value and peculiarities. New Flora & Silva. 2: 50-56. 1 pl. O.1929. no.1.

Johnson, A.T.
Hardy geraniums. New Flora & Silva. 2: 25-29. 1 pl. O.1929. no.1.

Johnson, L.
Some flowering plants of Kilimanjaro. New Flora & Silva. 2: 11-16. O.1929. no. 1.

Schneider, C.
Some good varieties of cacti and their cultivation. New Flora & Silva. 2: 17-24. 4 pl. on 2. O.1929. no. 1.

Orchid Rev. (Richmond, England)

Cooper, E.

Brassovola cucullata. Orchid Rev. 37: 307-308. illus. 0.1929. no.436.

Philipp. Journ. Sci. (Manila)

Benett, A.

Notes on Potamogetons. Philipp. Journ. Sci. 40: 183. 0.1929. no.2.

Correction of his article: The potamogetons of the Philippine Islands. On p.344, last specimens given under P.perversus should be referred to P. tepperi.

Copeland, H. F.

Philippine Ericaceae I. Philipp. Journ. Sci. 40: 133-179. 16 pl. 0.1929. no.2.

I. The species of Rhododendron.

Merrill, E.D.

A new Philippine species of Chloris. Philipp. Journ. Sci. 40: 181-182. 0.1929. no.2.

C. clementis.

Planta Arch. Wiss. Bot. (Berlin)

Bünning, E.

Ueber die thermonastischen und thigmonastischen blütenbewegungen. Planta Arch. Wiss. Bot. 8: 698-716. illus. S.21, 1929. no.5.

Mader, A.

Untersuchungen über die gattung Moerckia Gott. Planta Arch. Wiss. Bot. 8: 742-790. illus. S.21, 1929. no.5.

Strugger, S.

Untersuchungen an isolierten kernen der internodialzellen von Chara fragilis Desv. Planta Arch. Wiss. Bot. 8: 717-741. illus. S.21, 1929. no.5.

Tischeler, G.

Revisionen früherer chromosomenzählungen und anschliessende untersuchungen. Planta Arch. Wiss. Bot. 8: 685-697. illus. S.21, 1929. no.5.

Proc. California Acad. Sci.

Eastwood, A.
The Escallonias in Golden Gate Park, San Francisco, California, with descriptions of new species. Proc. California Acad. Sci. 18: 385-391. S.6, 1929. no.13.

Eastwood, A.
Studies in the flora of Lower California and adjacent islands. Proc. California Acad. Sci. 18: 393-484. pl.33, 34. S.6, 1929. no.14.

Publ. Bot. Soc. Amer. Misc. Ser.

Anna Morse Starr. Publ. Bot. Soc. Amer. Misc. Ser. 99: 29. My.1,1929 (Rec'd O.)

Charles Sumner Boyer. Publ. Bot. Soc. Amer. Misc.Ser. 99: 11-12. My.1, 1929. (Rec'd O.)

Clifford Harrison Farr. Publ. Bot. Soc. Amer. Misc. Ser. 99: 17-19. My.1,1929 (Rec'd O.)

Edward Sanford Burgess. Publ. Bot. Soc. Amer. Misc. Ser. 99: 16-17. My.1, 1929. (Rec'd O.)

Harris Miller Benedict. Publ. Bot. Soc. Amer. Misc.Ser. 99: 11. My.1,1929. (Rec'd O.)

Herbert Maule Richards. Publ. Bot. Soc. Amer. Misc.Ser. 99: 28-29. My.1, 1929 (Rec'd O.)

Joseph Edward Kirkwood. Publ. Bot. Soc. Amer. Misc.Ser. 99: 23-26. My.1, 1929.(Rec'd O.)

Louis Frederick Heimlich. Publ. Bot. Soc. Amer. Misc.Ser. 99: 19-21. My.1, 1929 (Rec'd O.)

Owen Francis Burger. Publ. Bot. Soc. Amer. Misc. Ser. 99: 12-16. My.1, 1929 (Rec'd O.)
List of publications: p.15-16.

Samuel Bonsall Parish. Publ. Bot. Soc. Amer. Misc.Ser. 99: 26-28. My.1, 1929 (Rec'd O.)

Wilhelm Ludvig Johannsen. Publ. Bot. Soc. Amer. Misc. Ser. 99: 21-23. My.1, 1929 (Rec'd O.)

Quart. Circ. Rubber Res. Scheme Ceylon.

Murray, R.K.S.

On the occurrence and significance of Oidium leaf disease in Ceylon. Quart. Circ. Rubber Res. Scheme Ceylon. 1929(2): 7-22. 1 pl. Jl.1929.

Repert. Spec. Nov. Fedde. (Berlin)

Fedde, F.

Neue arten von Cordylis aus China XVI. Repert. Spec. Nov. Fedde. 23: 272. S.20, 1929. no.16/23.

Gusuleac, M.

Hormuzakia und Phyllocara, zwei neue anchuseengattungen. Repert. Spec. Nov. Fedde. 26(Repert. Europ. et Med. 2, no.33/37): 377-338. S.20,1929. no.16/23.

Aus Bulet. Fac. Stiinte Cern. I, p.1118 1927

H. aggrgata, P.aucheri.

Gusuleac, M.

Species Anchusae generis Linn. hucusque cognitae. Repert.Spec. Nov. Fedde. 26(Repert. Europ. et Med. 2, no.33/37): 286-322. pl. lxxix-xcvi. S.20, 1929. no. 16/23.

Kränzlin, F.

Bemerkungen zu Bulbophyllum capitatum Lindl. Repert. Spec. Nov. Fedde. 26: 271. S.20, 1929. no. 16/23.

Kränzlin, F.

Eine neues Catasetum : C.stenochilum. Repert. Spec. Nov. Fedde. 26: 255-256. S.20, 1929. no.16/23.

Kränzlin, F.

Ein neues Oncidium aus Bolivia. Repert. Spec. Nov. Fedde. 26: 344. S.20, 1929. no.16/23.

O. reductum.

Kränzlin, F.

Eine vergessene orchidee. Repert.Spec. Nov. Fedde. 26: 255. pl. lxxviii. S.20, 1929. no.16/23.

Sobralia eublepharis.

epert. Spec. Nov. Fedde. (cont.)

Krause, K.
Beiträge zur flora Kleinasiens IV. Repert. Spec. Nov. Fedde. 26(Repert.Europ. et Med. 2, no.33/37): 322-337. S.20, 1929. no.16/23.

Kükenthal, G.
Cyperaceae novae vel criticae VIII. Repert. Spec. Nov. Fedde. 26: 249-254. S.20, 1929 no.16/23.
Cyperus longistylus. Pleurostachys buchtenii, n.spp.

Lipschitz, S.
Galium syreitschikowii, eine neue art aus dem Süd-Ural-gebirge. Repert. Spec. Nov. Fedde. 26(Repert. Europ. et Med. 2, no.33/37): 286. pl. xcvii. S.20, 1929. no.16/23.

Trelease, W.
Loranthaceae hispaniolenses II. Repert. Spec. Nov. Fedde. 26:343. S.20, 1929. no.16/23.
Phoradendron moringicola, P.cauliflorum, N.spp.

Trelease, W.
Piperaceae hispanienses IV. Repert. Spec. Nov. Fedde. 26: 341-342. S.20,1929. no.16/23.
Peperomia dondonensis caimitensis, n.var., Peperomia pullispica, Piper quillandanum, P.melanopremnum, P.sinuatispicum, n.spp.

Niedenzu, F.
Malpighiaceae novae. Repert. Spec. Nov. Fedde. 26: 345-347. S.20, 1929. no.16/23.
Banisteria polygama, Stigmatophyllum primaevum, Bunchosia columbica, n.spp.

Novák, F.A.
Dianthi fimbriati europaei IV. Repert. Spec. Nov. Fedde. 26(Repert. Europ. et Med. 2, no.33/37): 280-285. S.20, 1929. no.16/23.

Pfeiffer, H.
Decas cyperacearum criticarum vel emendatarum I. Repert. Spec. Nov. Fedde. 26: 256-263. S.1929. no.16/23.

Repert. Spec. Nov. Fedde. (cont.)

Poellnitz, K.von.

Zur kenntnis der gattung Anacampseros L. Repert. Spec. Nov. Fedde. 26: 242-249. S.20, 1929. no.16/23.

A.meyeri, A.albidiflora, n.spp.

Smirnov, P.

Neue stipen. Repert. Spec. Nov. Fedde. 26: 264-271. S.20,1929. no. 16/23.

S.margelanica, densiflora, glareosa, grandis, pontica, atlantica, n.spp.

Smith, J.J.

Bulbophyllum basisetum J.J. Sm. n.sp. Repert. Spec. Nov. Fedde. 26: 347-348. S.20, 1929. no.16/23.

Soó, R.V.

Orchideologische mitteilungen I-III. Repert. Spec. Nov. Fedde. 26(Repert. Europ. et Med. 2, no.33/37): 273-280. S.20, 1929. no.16/23.

I. Nachtrag zur: Revision der orchideen südosteuropas und Südwestasiens. II. Das system der gattung Ophrys. III. Formae et combinationes novae generis Ophrys.

Rep. Opera. Dept. Agr. Punjab.

Luthra, J. C.

Annual report of the associate professor of botany, Punjab... for the year ending 30th June 1928. Rep. Oper. Dept. Agr. Punjab. 1927/28(2): 1-7. 1929.

Includes diseases of plants.

Rev. Agr. Com. y Trab. Cuba. (Habana)

Estevez y Perez, G.A.

El marabu (Dichrostachys nutans' Benth) avanza a pasos agigantados, amenazndo tragarse la isla. Rev. Agr. Com. y Trab. Cuba. 11: 27-28. S.1929. no.3.

Rev. Bot. Appl.(Paris)

Chevalier, A.

Nouveaux documents sur les arachides. Rev.Bot. Appl. 9: 485-496. illus. pl.xiii-xiv. Ag.1929. no.96.

Rev. Bot. Appl. (cont.)

La forêt du Brésil. Rev. Bot. Appl.9(Actes & Compt. Rend. Assoc. Colon.-Sci. 5):177-184. Ag./S.1929.

Hédin, L.

Les rotins au Cameroun. Rev. Bot. Appl. 9: 502-507. Ag./S.1929. no.96.

"Rotins" belong to the genus Calamus, Oncocalamus Eremospatha & Ancistrophyllum.

Rhodesia Agr. Journ. (Salisbury)

Hopkins, J.C.F.

Leaf spotting of tobacco caused by mosaic. Rhodesia Agr. Journ. 26: 912-916. 2 pl. S. 1929. no.9.

Sansom, T.K.

"Pinking" of maize. Rhodesia Agr. Journ. 26: 917-926. 2 pl. S.1929. no.9.

Rhodora. (Boston)

Fernald, M.L.

Achillea sibirica in eastern America. Rhodora. 31: 219-220. O.1929. no.370.

Fernald, M.L.

Menyanthes trifoliata, var. minor. Rhodora. 31: 195-198. O.1929. no.370.

Lownes, A.E.

Andropogon glomeratus in Rhode Island. Rhodora. 31: 198. O.1929. no.370.

Mackenzie, K.K.

Aira spicata L. Rhodora. 31: 194-195. O. 1929. no.370.

Svenson, H.K.

Monographic studies in the genus Eleocharis. (cont.) Rhodora. 31: 199-219. pl. 190. O.1929. no.370.

Standley, P.C. & Macbride, J.F.

A new form of red cedar from Indiana. Rhodora. 31: 193-194. O.1929. no.370.

Juniperus virginiana f. bremerae f.nov.

Science. (Lancaster, Pa.)
Benedict, R. C.
Preaching the gospel of science. Science. n.s., 70: 368-371. O.18, 1929. no. 1816.

Miller, E.R.
The chemical nature of enzymes. Science. n.s. 70: 356-357. O.11, 1929. no.1815.

The Parc National Albert in the Belgian Congo. Science. n.s. 70: 350. O.11, 1929. no.1815.

Science News Letter
Red clover evolves. Science News Letter. 16: 240. O.19, 1929. no.445.
Reports that H.F. Dietz,says that definite strains of short headed red clover blossoms are being established in sections which have become intensely agricultural, as a result of the disappearance of humble bees and taking over of their task by the shorter-tongued honey bees.

Scient. Month. (Lancaster, Pa.)
Gager, Charles S.
Dr. Britton and the New York botanical garden. Scient. Month. 25: 475-477. illus.(incl.2 ports.) N.1929. no.5.

Sitzungsb. Naturf. Ges. Univ. Tartu (Tartus)
Vilberg, G.
Grundzüge der floristischen erforschung Estlands. Eine übersicht bis zum ende der russischen herrschaft. Sitzungsb. Naturf. Ges. Univ. Tartu. 35: 307-338. 1929. no.3/4.

Stain Techn.
Sass, J.E.
A modification of Mayer's hemalum. Stain Techn. 4: 127-129. illus. O.1929. no.4.

Simpson, J.L.S.
A short method of clearing plant tissues for anatomical studies. Stain Techn. 4: 131-132. illus. O.1929. no.4.

Studies Citrol. Tanaka Citrus Exp. Stat. Japan.

Miki, T. & Tanaka, T.
Some studies on the floral organ of Citrus, 3. Studia Citrol. Tanaka Citrus Exp. Stat. Japan. 3: 15-20. table. My.1929 (Rec'd S.) no.1.
Japanese.

Nakamura, M.
Cytological studies in the genus Citrus. I. Studia Citrol. Tanaka Citrus Exp. Stat. Japan. 3: 1-14. illus., iii pl. My.1929 (Rec'd S.) no. 1.
Japanese with English summary.

Tanaka, T.
On the distribution of Citrus and Citrus relatives. Studia Citrol. Tanaka Citrus Exp. Stat. Japan. 3: 22-32. My.1929 (Rec'd S.) no.1.
Japanese with English summary.

Succulenta. (Leeuwarden)

Voorwinde, F.
Echinocereus II. Succulenta. 11: 209-212. illus. O.1929. no.10.

Trans. Indiana Hort. Soc.

Gardner, M.W., Baker, C.E. & Burkholder, C.L.
Spraying and dusting tests for the control of apple blotch. Trans. Indiana Hort. Soc. 68: 162-167. 1929.

Mains, E.B.
Control of the rusts of ornamentals by sulphur. Trans. Indiana Hort. Soc. 68: 167-172. illus. 1929.
Snapdragon rust (Puccinia antirrhini), hollyhock rust (Puccinia malvacearum), aster rust (Coleosporium solidaginis), carnation rust (Uromyces caryophyllinus)

Trop.Ag. (Ceylon) (Peradeniya)
Bertus, L. S.
A sclerotial disease of Mucuna pruriens D.C.
Trop. Agr. (Ceylon). 73: 74-77. 1 pl. Ag.1929.
no.2.

Trudy Mleevsk. Sadovo-ogorod. Opytn. Stan. (Arb. Mleewer Gartenb.-versuchsst.) Sekt. Obstb.
Kozmanov, S.I.
... Anatomische eigentümligkeiten im bau der haut verschiedener sorten von kirschen. Trudy Mleevsk. Sadovo-ogorod. Opytn. Stan. (Arb. Mleewer. Gartenb.-versuchsst.) Sekt.Obstb. no.22. 17 p. 3 pl. 1929.
Russian with German summary.

U.S. Dept. Agr. Circ.
Bates, E.N., Bodnar, G.P. & Baldwin, R.L.
Removing smut from Pacific northwest wheat by washing. U.S. Dept. Agr. Circ. no. 81. 24 p. illus. Ag.1929.

Darrow, G.M. & Waldo, G.F.
The Blakemoore strawberry. U.S. Dept. Agr. Circ. no.93. 9 p. illus., 2 pl. S.1929.

U.S. Dept. Agr. Farm Bull.
Dickson, J.G. & Mains, E.B.
Scab of wheat and barley and its control.
U.S. Dept. Agr. Farm. Bull. no.1599. 17 p. illus. S.1929.

U.S. Dept. Agr. Off.Rec.
Tomatoes gas-treated lower in vitamins than if vine ripened. U.S. Dept. Agr. Off. Rec. 8(41): 8. O.10, 1929.

U.S. Dept. Agr. Plant Dis. Rep.
Collins, J.F. & Spaulding, P
Willow disease in the eastern Canadian provinces.
U.S. Dept. Agr. Plant Dis. Rep. 13: 143-144. O. 1, 1929. no.10.

Taubenhaus, J.J., Bach, W.J., & Ezekiel, W.N.
Anise drop. U.S. Dept. Agr. Plant Dis. Rep. 13: 141. O.1, 1929. no.10.
Probable organism Sclerotinia sclerotiorum.

Univ. Calif. Publ. Bot. (Berkeley, Cal.)

Avery, P.

Chromosome number and morphology in Nicotiana. IV. The nature and effects of chromosomal irregularities in N.alata var. grandiflora. Univ. Calif. Publ. Bot. 11: 265-284. illus. S.30, 1929. no.15.

Copeland, E. B.

The oriental genera of Polypodiaceae. Univ. Calif. Publ. Bot. 16: 45-128. S.4,1929. no.2.

Vie Agr. et Rur. (Paris)

Maylin, M.

La destruction et la chute des fruits dues fruits dues aus maladies cryptogamiques. Vie Agr. et Rur. 18: 212-126. O.6, 1929. no.40.

Western Flor.

Andress, W,

A short history of the gladiolus. Western Flor. 12(42): 9, 11. O.17, 1929.

Asher, J.M.

Arboretums and botanical gardens. Western Flor. 12(42): 6. O.17, 1929.

California botanic garden.

Wisconsin Hort. (Madison)

Doolittle, S.P.

Greenhouse mosaic control. Wisconsin Hort. 20: 61-62. O.1929. no. 2.

Wiss. Arch. Landw. Abt. A. Pflanzenbau. (Berlin)

Knoll, J.

Untersuchungen über den einfluss der künstlichen isolierung auf die fruchtbarkeitsverhältnisse bei Phleum pratens, Avena elatior und einigen anderen grasarten. Wiss. Arch. Landw.Abt.A. Pflanzenbau. 2: 318-364. illus. O.4, 1929. no.2.

Rathlef, H.v.

Die generative fruchtbarkeit der einzelnem kartoffelsorten und ihre verwandbarkeit in der züchtung. Aphabetisches sortenverzeichnis. Wiss. Arch. Landw. Abt.A. Pflanzenbau. 2: 365-374. O.4, 1929. no.2.

Zeitschr. Pflanzenkr. (Stuttgart)

Niethammer, A.

Versuche zur deutung der stimulierende wirkung von uspulun universal beim auflaufen des saatgutes. 2. Die stimulationskraft. Zeitschr. Pflanzenkr. 39: 389-392. O./N. 1929. no.10/11.

Expet. Stat. Publ.

Yates, H.O. jr.

House plants and their care. New Jersey Agr. Exp. Stat. Circ. 217. 24 p. illus. S.1929.

Welton, F.A., Morris, V.H. & Hartzler, A. J.

Organic food reserves in relation to the eradication of Canada thistles. Ohio Agr. Exp.Stat. Bull. 441. 25 p. illus. S.1929 (Rec'd O.)

Locklin, H.D. & Newton, G.A.

Recommended dates for application of standard hot water treatment to hardy narcissus. West. Wash. Agr. Exp. Stat. Bull. 13 W, 32 p. illus. Jl. 1929 (Rec'd O.)

State Publications.

Stewart, P.H. & Gross, D.L.

Smut control in cereals. Univ. Nebr. Agr. Coll. Extens. Serv. Extens. Circ. 132. 13 p. illus. Jl. 1929 (Rec'd S.)

New Books.

Auchter, E.C. & Knapp, H.B.

Orchard and small fruit culture. N.Y., J. Wiley and sons,1929.

Becker, J.

Handbuch des gesamten pflanzenbaues einschliesslich der pflanzenzüchtung. v.3-4. Berlin, P. Parey, 1929.

3. Handbuch des hülsenfruchterbaues und futterbaues. 4. Handbuch des gesamten gemüsebaues... 2.neubearb. aufl.

Broekhuizen, S.

Wondreachties van hout het onstaan van thyllen en wondgom, in het bizonder in verband met de iepenziekte. Leiden, Drukkerij "Luctor et Emergo" 1929.

New Books. (cont.)

Buszczynski, B.
Contribution à l'étude de la corrélation chez la betterave à sucre. Nancy, Impr. A. Humblot et cie., 1928.

Chung, H.H.
A catalogue of trees and shrubs of China. Shanghai, 1924 (Mem. Science Soc. China) v.1, no.1.

Conn, H. J.
Biological stains... 2d. ed. rev. with the assistance of W.C. Homes & R.W. French, and others. Geneva, N.Y., 1929.

Dammerman, K.W.
Preservation of wild life and nature reserves in the Netherlands Indies. Weltevreden, 1929.
4th Pacific science congress, Java, 1929.

Deam, C.C.
Grasses of Indiana. With illustrations and an article, The grass plant by Paul Weatherwax... Indianapolis, 1929. (Publ. Dept. Conserv. Indiana. no. 82)

Duthie, J. F.
Flora of the upper Gangetic plain and of the adjacent Siwalik and sub-Himalayan tracts. vol.3, pt.3, Palmae to Cyperaceae, Calcutta, 1929.

França, C.
Subsidios para a historia de algumas plantas cultivadas. Porto, Araujo & Sobrinho, 1928.

Gilbert, E.J.
La mycologie sur le terrain. Paris, E.Le François,1928 (Les livres du mycologie t.II)

Hardy and half-hardy plants.. Illustrations and descriptions of beautiful and interesting plants suitable for outdoor culture in the British Isles. Edited by A.W. Darnell. v.1, no.3-6. Hampton Wick, Middlesex, England, 1929.

New Books. (cont.)

Huitema, W.K.
Guide to the economic gardens at Buitenzorg. By W.K. Huitema. Buitenzorg, Archipel drukkerij 1929.

Lecomte, H.
Flore génerale de l'Indo-chine. v.5, fasc.7-8. Paris, N., 1928, Ap.1929. (Rec'd O.1929)
Gagnepain, F. Ulmacées, cannabinacées, moraecées; Moracées (fin), urticacées.

Makino, T.
Nippon-shokubutsu-sôran (Flora of Japan) with descriptions of every plant, phanerogams and higher cryptogams, indigenous, to, introduced into and cultivated in the Empire of Japan, Kabafuto Hokkaido, Honshiu, Shikoku, Kiushiu, Riukiu and Taiwan. By Tomitaro Makono and Kwanji Nemoto. Tokyo, Nippon-shokobutsusoran publishing association, 1925.
Japanese with Latin index.

Martin-Sans, E.
L'empoisonnement par les champignons et particulierement les intoxications dues aux agaricacées du groupe des Clitocybe et du groupe des Cortinarius. Paris, L. Lechevalier, 1929.

Rensch, B.
Das prinzip geographischer rassenkreise und das problem der artbildung. Berlin, Borntraeger, 1929.

Revue horticole ... numéro du centenaire. Cent ans d'horticulture française. 101. année. 123 p. illus., col. pl., ports. [1929]
Grandes figures horticoles du siécle écoulé: p.59-66. ports.

Rolfs, P.H.
Subtropical vegetable-gardening. N.Y., Macmillan, 1929.

New Books. (cont.)

Scharrer, K.
Chemie und biochemie des jods. Stuttgart, F. Enke, 1928.
Jod und pflanze: p.83-111.

Snell, K.
Krebsfeste kartoffelsorten.... Berlin, P. Parey, 1929 (Pareys taschen atlanten hrsg. von O. Appel, nr.2)

Steinmann, A.
Diseases and pests of Hevea brasiliensis in the Netherlands Indies. Buitenzorg, Archipel drukkerij, 1927.

Voss, A.
Botanisches hilfs- und worterbuch für gärtner gartenfreunde und pflanzenliebhaber. 8., verm. und verb. aufl. hrsg. von Martin Tessenow. Berlin, P. Parey, 1929.

Zimmermann, A.
Kaffee... 2. unveränderte aufl. Hamburg, W. Bangert, 1928 (Bangerts Ausland-bücherei nr. 27, reihe: Wohltmann-bücher bd.4)
Krankheiten und schädlinge: p.122-154.

Translations filed in Library of Bur. of Plant Industry.

Trusova, N.P.
Nieskol'ko opytov s pshenitsei, zarazhennoi Fusarium (Some experiments with wheat infected with Fusarium) Zhurn. Bolezn. Rast. 6: 119-122. 1912.

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

Vol. 11, no. 23. Oct.28-Nov.9, 1929.

Agricultura (Madrid)

Beneyto Sanchis, R.
Algo sobre la caña de azúcar. Agricultura (Madrid). 1: 587-589. col. illus. O.1929. no. 10.

Benlloch, M. & Cañizo, J. del.
Desinfeccion de semillas. Agricultura (Madrid) 1: 590-594. illus. O. 1929. no. 10.

Agr. Journ. India. (Calcutta)

Dutt, N. L.
Studies in sugarcane pollen with special reference to longevity. Agr. Journ. India. 24: 235-244. illus. pl. xxii-xxiii. Jl. 1929. no. 4.

Mohammad, A. & Deshpande, R.B.
Studies in Indian chillies. 2. Agr. Journ. India. 24: 251-258. pl. xxiv. Jl.1929. no.4.

Wagle, P. V.
A preliminary study of the pollination of the Alphonso mango. Agr. Journ. India. 24: 259-263. Jl. 1929. no.4.

Agron. Colon. (Paris)

Pieraerts, J.
Le Uapaca bossenge, euphorbiacée du Congo belge. Agron. Colon. 18: 270-274. illus. S.1929.

Amer. Journ. Bot.

Darrow, G. M.
Inflorescence types of strawberry varieties. Amer. Journ. Bot. 16: 571-585. illus. O.1929. no. 8.

Gleason, H. A.
The genus Monochaetum in North America. Amer. Journ. Bot. 16: 586-594. O.1929. no. 8.

Johansen, D. A.
New chromosome numbers in the Onagraceae. Amer. Journ. Bot. 16: 595-597. O.1929. no. 8.

Amer. Journ. Bot. (cont.)

Kulkarni, C. G.
Meiosis in the sporocytes of two mutations of Oenothera pratincola and their hybrids. Amer. Journ. Bot. 16: 606-620. pl. lviii-lxi. O. 1929. no. 8.

Scott, F. M.
The occurrence of Golgi apparatus in the seedling of Vicia faba. Amer. Journ. Bot. 16: 598-605. illus. O. 1929. no. 8.

Scott, I. T.
Hydrogen-ion equilibrium of mycelial mats of Fusarium lycopersici in salt solutions and its relation to growth and toxicity. Amer. Journ. Bot. 16: 631-643. diagrs. O. 1929. no. 8.

Taylor, W. R.
Notes on algae from the tropical Atlantic ocean. Amer. Journ. Bot. 16: 621-630. illus., pl. lxii. O.1929. no. 8.

Amer. Journ. Pharm. (Philadelphia)

Chen, S. Y.
Illicium religiosum, Siebold. A phytochemical study (concl.) Amer. Jour. Pharm. 101: 687-716. illus. O. 1929. no. 10.

Ann. Epiph. (Paris)

Dufrenoy, J.
La mosaique de la canne a sucre. Ann. Epiph. 14: 199-210. illus., i pl. Ap.23, 1929 (Rec'd O.) no.3.

Dufrenoy, J.
Observations sur les modifications pathologiques de la forme des vacuoles des cellules vegetales. Ann. Epiph. 14: 227-268. illus. Ap.23, 1929. (Rec'd O.) no.3.

Foex, E. & Rosella, E.
Sur deux helminthosporioses de l'orge. Ann. Epiph. 14: 269-279. illus., iv pl. Jl.20, 1929. (Rec'd O.) no.4.
H.sativum, H.gramineum.

Ann. Epiph. (cont.)

Millaseau, J.

Contribution a l'etude morphologique du Peronoplasmopara humuli Miya. et Tak. Ann. Epiph. 14: 175-198. illus. Ap.23, 1929. (Rec'd O.) no.3.

Savulescu, T. & Rayss, T.

Un parasite des pins peu connu en Europe, Neopeckia coulteri (Peck)Sacc. Ann. Epiph. 14: 322-353. illus., ii pl. (1 col.) Jl.20, 1929. (Rec'd O.) no.4.

Ann. Mus. Colon. Marseille.

Damiani, A.

Recherches anatomiques sur les feuilles de Vonitra et le piassava de Madagascar. Ann. Mus. Colon. Marseille. 37(IV,7): 5-28. illus. 1929. no.2.

Ann. R. Accad. Agr. Torino.

Gola, G.

Marco Soave. Ann. R. Accad. Agr. Torino. 71: 105-112. port. 1929.

Pubblicazioni del Prof. Marco Soave: p.110-112.

Ann. Tecn. Agr. (Rome)

Pantanelli, E.

La misura della pressione osmotica nelle piantine germinanti come mezzo di selezione. Ann. Tecn. Agr. 1/2: 736-741. O.1, 1929. no.6.

Vivoli, G.

Gli anticrittogamici contro la carie il carbone dei cereali dal punto di vista della loro influenza sul potere germinativo delle cariossidi. (concl.) Ann. Tecn. Agr. 1/2: 742-792. O.1, 1929. no.6.

Ann. Rep. Rubber Res. Inst. Malaya (Kuala Lumpur)

Summers, F.

Annual report, Botanical division, 1928 incl. initial period beginning June 1927. Ann. Rep. Rubber Res. Inst. Malaya. 1928: 34-45. Je.1929.

Weir, J. R.

Annual report, Pathological division, 1928 incl. initial period beginning June 1927. Ann. Rep. Rubber Res. Inst. Malaya. 1928: 61-95. Je.1929.

Ber. Landw. Zeitschr. Agrarpol. & Intern. Landw. (Berlin)
Morstatt, H.
Die jährlichen ernteverluste durch pflanzenkrankheiten und schadlinge und ihre statische ermittelung. Ber. Landw. Zeitschr. Agrarpol. & Intern. Landw. n.f., 9: 433-477. 1929. no.4.

Ber. Oberhess. Ges. Nat. u. Heilk. Giessen.
Kirchheimer, F.
Die gattung Salvinia in den tertiärfloren der Wetterau und des Vogelsberges. Ber. Oberhess. Ges. Nat. u. Heilk. Giessen. n.f. 12(Naturw. Abt.): 140-160. illus. 1929.

Kuster, E.
Regenerationserscheinungen bei Pinellia tubifera. Ber. Oberhess. Ges. Nat. u. Heilk. Giessen. n.f.12 (Naturw. Abt.): 3-10. pl. 1929.

Biogr. Mem. Nat. Acad. Sci. (Wash., D.C.)
Trelease, W.
Charles Sprague Sargent, April 24, 1841 - March 22, 1927. Biogr. Mem. Nat. Acad. Sci. 12: 247-270. port. 1929. no. 9.
Bibliography of the published writings of Charles Sprague Sargent: p.259-270.

Bot. Gaz. (Chicago)
Anderson, E. N.
Morphology of sporophyte of Marchantia domingensis. Bot. Gaz. 88: 150-166. illus. O.1929. no.2.

Haas, A.R.C.
Toxic effect of boron on fruit trees. Bot. Gaz. 88: 113-131. illus. O. 1929. no.2.

Hicks, G. C.
Cytological studies in Cyperus, Eleocharis, Dulichium, and Eriophorum. Bot. Gaz. 88: 132-149. pl. viii, ix. O.1929. no.2.

Holm, T.
Morphology of North American species of Polygala. Bot. Gaz. 88: 166-185. illus. O.1929. no.2.

Bot. Gaz. (cont.)

Martin, G. W. & Nelson, T.C.
Swarming of dinoflagellates in Delaware Bay, New Jersey. Bot. Gaz. 88: 218-224. illus. O. 1929. no.2.

Smith, F. G.
Multiple cones in Zamia floridana. Bot. Gaz. 88: 204-217. illus. O.1929. no.2.

Zirkle, C.
Development of normal and divergent plastid types in Zea mays. Bot. Gaz. 88: 186-203. pl. x-xii. O.1929. no.2.

Bot. Közlem. (Budapest)

Greguss, P.
A Bryonia dioica virágporszemeinek nagysága és a nemiség meghatározása. (Die pollengrösse von Bryonia dioica und die geschlechtsbestimmung). Bot. Közlem. 26: 18-21. 1929. no.1/4.
German summary: p.21-22.

Greguss, P.
Desmidiaceák a Suriáni tengerszemből. (Desmidien aus dem meerauge von Surian). Bot. Közlem. 26: 23-25. illus. 1929. no.1/4.
German summary: p.25-26.

Jávorka, S.
Az Eragrostis mexicana (Lag.) Lk. Magyarországon. (Ueber das vorkommen von Eragrostis mexicana (Lag.) Lk. in Ungarn). Bot. Közlem. 26: 32-33. 1929. no. 1/4.
German summary: p.33.

Kiss, F.
Az akác másodvirágzása. (Ueber die spätblütigkeit der akazie). Bot. Közlem. 26: 1-10. illus. 1929. no.1/4
German summary: p.9-10.

Margittai, A.
Szomotor komokjának flórája. (Die flora des sandgebietes von Szomotor). Bot. Közlem. 26: 26-31. 1929. no.1/4.
German summary: p.31-32.

Bot. Közlem. (cont.)

Soo, R.
A magyar puszták mása az Alpok tövében... (Ein ebenbild der ungarischen Puszten am fusse der Alpen). Bot. Közlem. 26: 11-16. 1929. no. 1/4.
German summary: p.17.

Bot. Not. (Lund, Sweden)

Arnell, H. W.
Tillägg till "Register till normalförteckning över Svenska växtnamn.". Bot. Not. 1929 Bilaga p.20-23. 1929.

Arwidsson, Th.
Biologiska och floristiska notiser. Bot. Not. 1929: 263-270. 1929. no.4.

Holmberg, O. R.
De skandinaviska formerna av Carex-gruppen limosae. Bot. Not. 1929: 209-228. 1929. no.4.

Lundin, P. E.
Ytterligare några ord om Cuscuta halophytas förekomst i småland och om dess värdväxter. Bot. Not. 1929: 271-273. 1929. no.4.

Magnusson, A. H.
E. Vainio. Bot. Not. 1929: 278-280. port. 1929. no.4.

Nilsson, G.
Lichenologiska bidrag. II. Bot. Not. 1929: 246-262. illus. 1929. no.4.

Persson, N.P.H.
Några mosslokaler jämte ett par artstudier. Bot. Not. 1929: 229-245. 1929. no.4.

Botaniste. (Paris)

Dangeard, P.
L'iodovalatilisation chez les algues marines et les problèmes de l'iode. Botaniste. v.21, fasc. 3/4. 266 p. illus., pl.xvii-xix. Jl.1929.

Bull. Agence. Gén. Colon. France. (Paris)
Heim de Balsac, F., Heim de Balsac, H., Maheu, J. & Lefèvre, L.
Suifs d'Irvingia, leurs plantes productrices. (cont.). Bull. Agence. Gén. Colon. France. 22: 1053-1063. illus., 4 pl. (2 fold.) O.1929. no. 249.

Bull. Cl. Sci. Acad. Roy. Belg. (Bruxelles)
Jamotte, A.
Note sur la découverte d'une flore à "Glossopteris" dans la vallée de la Lukauga, aux environs de Greinerville (Congo belge). Bull. Cl. Sci. Acad. Roy. Belg. V, 15: 635-638. map. 1929. no. 7,

Bull. Deli Proefst. Medan, Sumatra.
Meer, J.H.H. van der.
Invloed van den vochtigheidstoestand van den grond op de slijmziekte, veroorzaakt door Bacterium solanacearum E.F.S. (The influence of the degree of soil humidity on the slime-disease caused by Bacterium solanacearum E.F.S.) Bull. Deli Proefst. Medan, Sumatra. no.29. 55 p. 7 pl. 1929
English abstract: p.36-49.

Bull. Dir. Gén. Agr. Comm. et Colon. Tunis.
Chabrolin, C.
La rouille noire du blé en Tunisie. Bull. Dir. Gén. Agr. Comm. et Colon. Tunis. 33: 57-65. 1929. no. 136.

Bull. Misc. Inform. Kew. (London)
Brown, N. E.
The Iridaceae of Burmann's Florae Capensis prodromus. II. Bull. Misc. Inform. Kew. 1929: 243-244. 1929. no. 8.

Howes, F. N.
The edible canna (Canna edulis Ker-Gawl). Bull. Misc. Inform. Kew. 1929: 266-268. 1929. no.8.

Ridley, H.N.
New species from the Malay Peninsula and Borneo. Bull. Misc. Inform. Kew. 1929: 254-262. 1929. no.8.

Bull. Misc. Inform. Kew. (cont.)

Spare, G.H. & Fischer, C.E.C.
Plants new to Assam: I. Bull. Misc. Inform. Kew. 1929: 247-254. no.8.
Mahonia calamicaulis, Didymocarpus aderocarpa n.spp.

Sprague, T.A.
The correct spelling of certain generic names: V. Bull. Misc. Inform. Kew. 1929: 241-243. 1929. no.8.

Stapf, O. & Hubbard, C. E.
A new genus of grasses. Bull. Misc. Inform. Kew. 1929: 244-247. illus. 1929. no.8.
Holcolemma.

Stapf, O. & Hubbard, C. E.
Notes on African grasses: X. A new genus from Tanganyika territory. Bull. Misc. Inform. Kew. 1929: 263-265. illus. 1929. no.8.
Heterocarpha haareri.

Bull. U.S. Golf Assoc. Green Sect.(Wash., D.C.)

Dahl, A. S.
Results of snow-mold work during winter of 1928-1929. Bull. U.S. Golf Assoc. Green Sect. 9: 134-136. illus. Ag.1929. no. 8.

Calif. Citrogr. (Los Angeles)

Klotz, L. J.
Red blotch and peteca of citrus. Calif. Citrogr. 15: 32-33. illus. N.1929. no.1.

Calif. Cult. (Los Angeles)

Wheeler, D. P.
Endosepsis clean-up work in Merced county. Calif. Cult. 73: 429. N.2, 1929. no.18.

Chem. Umschau. (Stuttgart)

Ivanow, S.
Zur kenntnis der pflanzenole der Union der S.S.R. I-II. Chem. Umschau. 36: 305-308, 308-310, 0.9, 1929. no.20.
N.W.Kurotschkina joint author I.
I. Oel aus den kernen der Prunus divaricata Led. (Alytscha). II. Die natur der fetten oele der Labiatas im zusammenhang mit den klimatischen bedingungen ihres herkunftslandes.

Chem.-Zeit.

Duilius,

Allgemeines über die darstellung von pflanzen-alkaloiden. Chem.-Zeit. 53: 785-786. O.9, 1929. no.81.

Circ. Estac. Exp. Agron. Cuba. (Habana)

Bruner, S. C.

Reseña de las plagas del cafeto en Cuba. Circ. Estac. Exp. Agron. Cuba. 68. 38 p. 12 pl. 1929.

Compt. Rend. Acad. Sci. Paris.

Molliard, M.

Deux exemples nouveaux de caractères morphologiques dépendant des conditions exterieures. Compt. Rend. Acad. Sci. Paris. 189: 549-551. O.14, 1929. no.16.

Compt. Rend. Soc. Biol. Paris.

Argyroudis, D.

Sur la structure du chromosome somatique chez Vicia faba. Compt. Rend. Soc. Biol. Paris. 102: 67-71. illus. O.18, 1929. no.26.

Conard, A.

Sur la division cellulaire chez Spirogyra. Compt. Rend. Soc. Biol. Paris. 102: 71-76. illus. O.18, 1929. no.26.

Homès, M.

Contribution a la physiologique cellulaire des plantes carnivores. Réaction des Drosera a deux agents d'altération: la plasmolyse et les alcalis. Compt. Rend. Soc. Biol. Paris. 102: 64-66. O.18, 1929. no.26.

Lenoir, M.

Prophase I anormale dans le sac embryannaire du Lilium martagon L. Compt. Rend. Soc. Biol. Paris. 102: 15-16. illus. O.18, 1929. no.26.

Country Gentleman (Philadelphia)

Cates, J. S.

A wonder plant for poor land. The dream of a sure-fire acid-soil legume has come true. Country Gentleman. 94(11): 16, 106-107. illus. N.1929.

Lespedeza sericea.

Deut. Landw. Presse. (Berlin)

Rathschlag, H.

Zum diesjahrigen auftreten von Helminthosporium avenae. Deut. Landw. Presse. 56: 608. O.19, 1929. no.42.

Empire For. Journ.

Davy, J. B.

Notes on the forest flora of northern Rhodesia. Empire For. Journ. 7: 255-261. 1928 (Rec'd O. 1929) no.2.

Groom, P.

Antiseptic preservation of timber. Empire For. Journ. 7: 255-254. 1928 (Rec'd O.1929) no.2.

Salisbury, E. J.

Some aspects of forest ecology, with special reference to soil conditions. Empire For. Journ. 7: 155-167. 1928 (Rec'd O.1929) no.2.

Flor. Exch. (N.Y.)

Rather, H. C.

The seed industry and a weed control program. Flor. Exch. 72: 15. N.2, 1929. no.9.

McWhorter, F. P.

A new control of basal rot of narcissus. Flor. Exch. 72: 13, 15. illus. O.26, 1929. no.8.

A report on the effect of cold disinfectant treatments at planting time on basal rot and on yield.

Flow. Grow. (Calcium, N.Y.)

Noyes, I. G.

Concerning seeds, longevity. Flor. Grow. 16: 536. N.1929. no. 11.

Fortischr. Landw. (Vienna)

Hornburg, P.

Kurzer bericht der untersuchungen über die wirkung der lupine auf den rubennematoden Heterodera schachti und über die experimentelle beeinflussung des geschlechtsverhältnisses. Fortschr. Landw. 4: 654-658. O.15, 1929. no.20.

Gard. Chron. (London)

Darnell, A.W.
The genus Primula. (cont.) Gard. Chron. III, 86: 304, 329-330. O.19, 26, 1929. no.2234-2235.

Hosking, A.
Sports, chimaeras, variegation and mutations. Gard. Chron. III, 86: 323-324. O.26, 1929. no.2235.

Robinson, G. W.
An English gardener in Chili. (cont.) Gard. Chron. III, 86: 306, 327-328. O.19, 26, 1929. no.2234-2235.

Ward, F. K.
Mr. F. Kingdon Ward's tenth expedition in Asia XXXIII. Storms and distress. Gard.Chron. III, 86: 326-327. illus. O.26, 1927. no.2235.

Gartenfl. (Berlin)

Staar, G.
Primelsekrete. Gartenfl. 78: 289-290. illus. O. 1929.

Gartenw. (Berlin)

Bromme, M.
Eine bisher kaum bekannte erkrankung an rhododendron. Gartenw. 33: 566-567. O.11, 1929. no.41.
? Weather injury.

Gartenzeit. Oesterr. Gartenb.-Bes. Wien.

Geier, M.
Die petunien, ihre rassen und besten sorte. Gartenzeit. Oesterr. Gartenb.-Ges. Wien. 1929: 96-98. illus. Je.1929. no.6.

Hadar (Palestine Citrogr.) (Jaffa)

Eig, A.
Warburg the botanist. Hadar (Palestine Citrogr.) 2: 174-175. S./O.1929. no.9/10.

Oppenheim, J. D.
Fertilisation in the "Shamouti" orange. Hadar (Palestine Citrogr.) 2: 179-180. S./O.1929. no.9/10.

Tolkowsky, S.
Botany's debt to the citron tree. Hadar (Palestine Citrogr.) 2: 176-177. S./O.1929. no.9/10.

Indian For. (Dehra Dun)

Blatter, E.

The Indian bamboos brought up-to-date. Indian For. 55: 541-562. O.1929. no.10.

Norris, D., Rangaswami, M., Venugopalan, M. & Ranganathan, S.

An investigation into the plant requirements of Zizyphus jujuba during growth and under lac cultivation. I- Indian For. 55: 525-534. col. pl. 23-28. O.1929. no.10.

Izv. Leningr. Lesn. Inst. (Mitt. Leningr. Forstinst.)

Tiuliupaeva, T.I.

... Ueber die beschädigung der fichtenzapfen durch Pucciniastrum padi (Kze. et Schm.) Dietel und Laspeyresia strobilella L. (Grapholitha strobilana Batzb.) Izv. Leningr. Lesn. Inst. (Mitt. Leningr. Forstinst.) 36: 23-55. illus. 1928 (Rec'd O. 1929)

Russian with German summary.

Vanin, S. I.

... Einige neue data über die herzfäule der aspe. Izv. Leningr. Lesn. Inst. (Mitt. Leningr. Forstinst.) 36: 5-22. illus. 1928 (Rec'd O. 1929)

Russian with German summary.

Fomes ignarius.

Japanese Journ. Med. Sci. VI. Bact. & Parasit. (Tokio)

Mizuno, K.

Studies on the effect of ultra-violet rays upon the bacteriophage and its physico-chemical nature. Japanese Journ. Med. Sci. VI. Bact. & Parasit. 1: 53-87. illus. Jl.1929. no. 1.

Journ. Agr. Res. (Washington)

Brown, N. A. & Quirk, A.J.

Influence of bacteriophage on Bacterium tumefaciens, and some potential studies of filtrates. Journ. Agr. Res. 39: 503-530. illus. O.1, 1929. no. 7.

Eggleston, W.W., Black, O.F., & Kelly, J.W.

A botanical and chemical study of Bikukulla eximia, with a key to North American species of Bikukulla. Journ. Agr.Res. 39: 477-481. illus O.1,1929. no.7.

Journ. Agr. Res. (cont.)

Harley, C. P.
Relation of picking time to acetaldehyde content and core breakdown of bartlett pears. Journ. Agr. Res. 39: 483-493. illus. O.1, 1929. no. 7.

McCulloch, L.
Starchlike radiate crystals produced by Bacterium marginatum in starch media. Journ. Agr. Res. 39: 495-501. illus. O.1, 1929. no. 7.

McKinney, H. H.
Mosaic diseases in the Canary Islands, West Africa, and Gibraltar. Journ. Agr.Res. 39: 557-578. illus. O.15, 1929. no. 8

Miller, P. W.
Studies of fire blight of apple in Wisconsin. Journ. Agr. Res. 39: 579-621. illus. O.15, 1929. no. 8.

St.John, J.L. & Morris, O.M.
Studies of quality and maturity of apples. Journ. Agr. Res. 39: 623-639. O.15, 1929. no. 8.

Traub, H.P., Thor, C.J., Zeleny, L. & Willaman, J.J.
The chemical composition of girasole and chicory. grown in Minnesota. Journ. Agr. Res. 39: 551-555. O.1, 1929. no. 7.

Journ. Biol. Chem. (Baltimore)

McLaughlin, L. & Haber, E.S.
The relation of vitamin A content to size of leaves. Journ. Biol. Chem. 84: 249-256. diagrs. O.1929. no. 1.

Journ. Bot. (London)

Bennett, A., Salmon, C.E. & Matthews, J. R.
Second supplement to Watson's "Topographical botany" (cont.) Journ. Bot. 67(Suppl.): 33-40. O.1929. no. 802.

Mr. John Gossweiler's plants from Angola and Portuguese Congo. (cont.) Journ. Bot. 67(Suppl.): 105-112. O.1929. no.802.
Hydrophyllaceae by A.W. Exell.
Gaertnera longipetiolata, Hydrolea prostrata, Cordia ehretioides, Dipteropeltis mayumbensis, Prevostea racemosa, n.sp., D.poranoides acutissima, D.poranoides mucronata, n.var.

Journ. Bot. (cont.)

Moore, S.
Alabastra diversa XXXVI. Journ. Bot. 67: 270-276. illus. O.1929. no. 802.

Rees, T. K.
Marine algae of the coast of Wales.(cont.) Journ. Bot. 67: 276-282. O.1929. no.802.

Journ. Dept. Agr.Ireland. (Dublin)

Gallagher, P. H.
Investigation into the relation of soil conditions to failures in the beet crop 1928. Journ. Dept. Agr. Ireland. 29: 61-81. illus. 1929. no.1.

Murphy, P.A. & Hughes, W.
The dry rot of swedes and turnips caused by Phoma lingam (Tode) Desm. Journ. Dept. Agr. Ireland. 29: 29-40. 1929. no. 1.

Journ. Indian Inst. Sci. (Madras)

Narasimhamwurthy, N. & Sreenivasaya, M.
Contributions to the study of spike-disease of sandal (Santalum album, Linn.) VI. Journ. Indian Inst. Sci. 12A: 153-163. 1 pl. 1929
VI. Nitrogen metabolism in healthy and spiked sandal leaves.

Paranjpe, D. R. & Ramaswami Ayyar, P.
Oil from the seeds of Sapindus trifoliatus (Linn.) Journ. Indian Inst. Sci. 12A: 179-184. 1929 no.12.

Journ. Roy. Hort. Soc. (London)

Baker, G. P.
Plant hunting in Crete, 1925-26-27. Journ. Roy. Hort. Soc. 54: 387-409. 12 pl. on 7. S. 1929. no.2.

Le Sueur, A.D.C.
Roadside planting. Journ. Roy. Hort. Soc. 54: 412-422. 1 pl. S.1929. no.2.

Journ. Roy. Hort. Soc. (cont.)
Tincker, M.A.H.
On the effect of length of daily period of illumination upon the growth of plants. Journ. Roy. Hort. Soc. 54: 354-378. 7 pl. on 4. S. 1929. no.2.

Journ. Soc. Agr. & For. Sapporo, Japan.
Enomoto, S.
Physiological studies of Helminthosporium sativum. Journ. Soc. Agr. & For. Sapporo, Japan. 21: 128-183. S.1929. no.95.
Japanese.

Hiratsuka, N.
A list of the Uredinales collected in the Kuriles. Journ. Soc. Agr. & For. Sapporo, Japan. 21: 95-107. S.1929. no.95.
Japanese.

Journ. Washington Acad. Sci.
Dewey, L.H.
A new variety of henequen without prickles. Journ. Washington Acad. Sci. 19: 415-416. N.4, 1929. no.18.
Agave fourcroydes espiculata.

Landw. Jahrb. Schweiz. (Bern)
Neuweiler, E.
Kartoffelanbauversuche der vereinigung schweizerischer versuchs- und vermittlungsstellen fur saatkartoffeln, durchgefuhrt von schweizerishene landwirtschaftlichen schulen, von mitgleidern der vereinigung, von pflanzenbaukommissionen, von saatzuchtgenossenschaften und landwirtschaftlichen betreiben. Zweite mitteilung der Schweiz. landwirtschaftlichen versuchsanstalt Oerlikon. Landw. Jahrb. Schweiz. 43: 699-703. 1929. no.5.

Maine Naturalist. (Augusta, Me.)
Pitman, E.M.
Some plants of Orr's Island, Maine. Maine Naturalist. 9: 99-102. S.1929. no.3.

Meded. Landbouwhoogesch. Wageningen.
Boonstra, A.E.H.R.
Invloed van de verschillende assimileerende deelen op de korrelproducte bij Wilhelminatarwe. Meded. Landbouwhoogesch. Wageningen. v.33, no.3. 21 p. 1929.
French résumé: p.19-21:

Mem. Dept. Agr. India. Bot. Ser.
Alam, M.
The calculation of linkage value. A comparison of various methods. Mem. Dept. Agr. India Bot. Ser. 18: 1-56. illus. Jl.1929. no.1.

Memor. Soc. Fauna & Flora Fenn. (Helsingfors)
Eklund, O.
Allium schoenoprasum var. jurmoënse n.var. Memor. Soc. Fauna & Flora Fenn. 4: 7-11. illus. 1928 (Rec'd O.1929)

Eklund, O.
Notizen uber die flora des nördlichen und westlichen Dagö (Hiiumaa) in Estland. Memor. Soc. Fauna & Flora Fenn. 4: 192-230. illus. 1928. (Rec'd O.1929)

Eklung, O.
Potentilla egedi Wormsk., ein arktisches pseudorelikt aus Südwestfinnland. Nebst einigen systematisch-phytogeographischen spekulationen. Memor. Soc. Fauna & Flora Fenn. 4: 17-20. 1928 (Rec'd O.1929)

Eklund, O.
Vorläufige mitteilung über die kollektivart Sedum telephium L. p.p. (S.maximum Suter). Memor. Soc. Fauna & Flora Fenn. 4: 5-7. 1928 (Rec'd O.1929)

Eklund, O.
Zur terminologischen begriffsbildung der modernen verbreitungsbiologie. Memor. Soc. Fauna & Flora Fenn. 4: 92-98. 1928 (Rec'd O.1929)

Klingstedt, H.
Der begriff der art an dem zeitkörper-begriff erläutert. Memor. Soc. Fauna & Flora Fenn. 4: 153-170. illus. 1928 (Rec'd O.1929)

Mem. Soc. Fauna & Flora. Fenn. (cont.)
Lemberg, B.
Studier över sandsträndernas vegetation på kuststrackan Lappvik - Henriksberg. (Studien über die vegetation der sandufer an der küstenstrecke Lappvik-Henriksberg). Memor. Soc. Fauna & Flora Fenn. 4: 63-85. illus. 1928 (Rec'd).1929)

Missouri Bot. Gard. Bull. (St.Louis)
The feeding of shade and ornamental trees. Missouri Bot. Gard. Bull. 17: 119-130. O.1929. no.8.

Monatsschr. Deut. Kakteen-Ges. (Berlin)
Bödeker, F.
Coryphanta asperispina Böd., sp. n. Monatsschr. Deut. Kakteen-Ges. 1: 192-194. illus. O.1929. no. 10.

Bödeker, F.
Coryphanta bergiana Böd., sp.n. Monatsschr. Deut. Kakteen-Ges. 1: 191-192. illus. O.1929. no. 10.

Bon. F.
Ueber nachahmung der keimats-bedingung der kakteen. (cont.) Monatsschr. Deut. Kakteen-Ges. 1: 202-206. O.1929. no.10.

Rupprecht, G.
Die mexikanischen kakteen-böden in den höheren lagen (über 1000 M). Monatsschr. Deut. Kakteen-Ges. 1: 194-201. O.1929. no.10.

Mycologia. (Lancaster, Pa.)
Chardon, C. E.
Franklin Sumner Earle. Mycologia. 21: 301-303. pl. 27(port.) N./D.1929. no.6.

Dearness, J.
New and noteworthy fungi - VI.Hyphomycetes. Mycologia. 21: 326-332. N./.D. 1929. no.6.

Mycologia. (cont.)

Hedgcock, G. G.
The large leaf spot of chestnut and oak associated with Monochaetia desmazierii. Mycologia. 21: 324-325. N./D. 1929. no.6.

Horsfall, J. G.
Species of Cercospora on Trifolium, Medicago, and Melilotus. Mycologia. 21: 304-312. illus. N./D. 1929. no.6.

Lambert, E. B.
The production of normal sporophores in monosporous cultures of Agaricus campestris. Mycologia. 21: 333-335. illus. N./D. 1929. no.6.

Smith, E. C.
The longevity of myxomycete spores. Mycologia. 21: 321-323. pl. 28. N./D. 1929. no.6.

Stevens, N.E. & Shear, C.L.
Botryosphaeria and Physalospora in the Hawaiian Islands. Mycologia. 21: 313-320. illus. N./D. 1929. no.6.

Nature. (London)

Dixon, H. H. & Bennet-Clark, T.A.
Electrical excitation and the possible structure of the plasmatic membrane. Nature. 124: 650-651. O.26, 1929. no.3130.

Walton, J.
Palaeobotanical evidence for the age of the late palaeozoic glaciation in South Africa. Nature. 124: 614. O.19, 1929. no.3129.

Phytopath. (Lancaster, Pa.)

Beattie, R.K.
Toji Nishida, 1874-1927. Phytopath. 19: 181-183. port. O.1929. no.10.
Bibliography: p.882-883.

Eddins, A. H.
Pathogenicity and cultural behavior of Ustilago zeae (Bekm.) Ung. from different localities. Phytopath. 19: 885-916. illus. O.1929. no.10.

Phytopath. (cont.)

Harter, L.L. & Whitney, W.A.
Masking of sweet potato mosaic. Phytopath. 19: 933-942. illus. 0.1929. no.10.

Lackey, C.F.
Attenuation of curly-top virus by resistant sugar beets which are symptomless carriers. Phytopath. 19: 975-977. 0.1929. no. 10.

Sprague, R.
Host range and life-history studies of some leguminous Ascochytae. Phytopath. 19: 917-932. pl. xxxiv-xxxvi. 0.1929. no. 10.
Revision or extension of the description of Ascochyta pisi is given. Stagonosporopsis considered untenable.

Stakman, E.C., Levine, M.N. & Wallace, J.M.
The value of physiologic-form surveys in the study of the epidemiology of stem rust. Phytopath. 19: 951-959. diagrs. 0.1929. no.10.

Tilford, P.E. & May, C.
The effect of bordeaux mixture on the internal temperature of potato leaflets. Phytopath. 19: 943-949. 0.1929. no.10.

Toro, R. A.
Plant disease notes from the Central Andes II. Phytopath. 19: 969-974. 0.1929. no.10.

Weston, W.H. jr.
A new Sclerospora from Fiji. Phytopath. 19: 961-967. illus. 0.1929.
S.northi, n.sp.

Phytopath. Zeitschr. (Berlin)

Beyma Thoe Kingma, F.H.van.
Ueber eine neue form von Botrytis cinerea, parasitisch auf leinsamen, Botrytis cinera forma lini, n.f. Phytopath. Zeitschr. 1: 453-456. 1929. no.4.

Phytopath. Zeitschr. (cont.)

Teterevnikova-Babajan, D.N.
Biologische arten von Puccinia graminis Pers. in Nordwestrussland. Phytopath. Zeitschr. 1: 457-463. 1929. no.4.

Wild, N.
Untersuchungen über den pulverschorf der kartoffelknollen (Spongospora subterranea [Wallr.] Johnson). Phytopath. Zeitschr. 1: 368-452. illus. 1929. no.4.

Proc. Amer. Cranberry Grow. Assoc.

Stevens, N. E.
Some things that may be done within the next few years to adjust ourselves to the false blossom situation. Proc. Amer. Cranberry Grow. Assoc. 60: 10-15. 1929.

Proc. Amer. Pomol. Soc.

American pomological society.
The code of nomenclature of the American pomological society. Proc. Amer. Pomol. Soc. 1923-28. p.174-176. [1929]

American pomological society - Committee on new fruits and nuts.
Report for 1923-28. Its Proc. 1923-28. p. 71-170. [1929]

Proc. Indiana Acad. Sci.

Andrews, F. M.
Bark formation. Proc. Indiana Acad. Sci. 38(1928): 85-86. 1929.

Andrews, F. M.
A natural proof that the root tip alone is sensitive to the gravitational stimulus, II. Proc. Indiana Acad. Sci. 38(1928): 87-89. 1929.

Andrews, F. M.
Studies on pollen, IV. Proc. Indiana Acad. Sci. 38(1928): 89-91. 1929.

Proc. Indiana Acad. Sci. (cont.)

Andrews, F. M.
Variations in Erigeron annuus. Proc. Indiana Acad. Sci. 38(1928): 86-87. 1929.

Gardner, M. W.
Indiana plant diseases, 1927. Proc. Indiana Acad. Sci. 38(1928): 143-157. illus. 1929.

Hansen, A. A.
Sodium chlorate as a herbicide. Proc. Indiana Acad. Sci. 38(1928): 129-141. 1929.

Johnson, M. A.
The pericycle in the root of Equisetum. Proc. Indiana Acad. Sci. 38(1928): 137-138. 1929.

Kaufmann, F., Kohl, E.J. & Porter, C.L.
Louis Frederick Heimlich. Proc. Indiana Acad. Sci. 38(1928): 29-30. 1929.
Publications of Louis F. Heimlich: p.30.

Lockwood, L.B.
Peridia of Crucibulum vulgare. Proc. Indiana Acad. Sci. 38(1928): 105-107. illus. 1929.

MacGillivrary, J. H.
Studies of tomato quality. IV. Variability in quality and food value of tomatoes. Proc. Indiana Acad. Sci. 38(1928): 159-163. 1929.

Mains, E. B.
Observations concerning diseases of iris and tulips. Proc. Indiana Acad. Sci. 38(1928): 93-102. illus. 1929.
Iris (soft rot, sclerotial rot, leaf spot, rust); Botrytis blight or fire disease.

Nieuwland, J. A. & Slavin, A. D.
Preservation of Monotropa and similar plants without discoloration. Proc. Indiana Acad. Sci. 38(1928): 103-104. 1929.

Palmer, C. M.
Algae of Indiana - a classified check list of those published between 1875 and 1928. Proc. Indiana Acad. Sci. 38(1928): 109-121. 1929.

Proc. Indiana Acad. Sci. (cont.)

Porter, C. L. & Bockstahler, H. W.
Concerning the reaction of certain fungi to various wave lengths of light. Proc. Indiana Acad. Sci. 38(1928): 133-135. 1929.

Swanson, G. H.
The ecology of Turkey Run State Park. Proc. Indiana Acad. Sci. 38(1928): 165-170. 1929.
Part I - The flood plain.

Van Hook, J. M.
Indiana fungi. XI. Proc. Indiana Acad. Sci. 38(1928): 127-131. 1929.

Van Hook, J.M.
Some new species of fungi. Proc. Indiana Acad. Sci. 38(1928): 131-132. 1929.
Cercospora cynoglossi, C. rosae, Phyllosticta indianensis, P. rosae-setigerae.

Welch, W. H.
A contribution to the phytoecology of southern Indiana with special reference to certain Ericaceae in a limestone area of the Bloomington quadrangle. Proc. Indiana Acad. Sci. 38(1928): 65-83. illus. 1929.

Proc. Linn. Soc. N.S.W. (Sydney)

Hitchcock, A. S.
Papuan grasses collected by L.J. Brass. Proc. Linn. Soc. N.S.W. 54: 145-146. 1929. no.223.
Isachne brassii, n.sp.

Waterhouse, W. L.
A preliminary account of the origin of two new Australian physiologic forms of Puccinia graminis tritici. Proc. Linn. Soc. N.S.W. 54: 96-106. pl. iv. 1929. no.222.

Progr. Agr. & Vitic. (Montpellier)

Branas,
La roussure des producteurs directs. Progr. Agr. & Vitic. 46: 372-373. illus. 0.20, 1929. no. 42.

Ravaz, L.
Traitement de l'Oidium. Progr. Agr. & Vitic. 46: 368-370. 0.20,1929. no.42.

V.11, no.23, p. 23.

Protoplasma (Leipzig)

Albach, W.
Mikrorespirometrische untersuchungen über den einfluss der vitalfärbung und der plasmolyse auf die atmung von pflanzenzellen. Protoplasma. 7: 394-422. illus. Ag.1929. no. 3.

Calábek, J.
Swelling of biocolloids. II. Swelling of fresh, wilted and dry agar-agar gels in relation to the water content and the manner of preparation. Protoplasma. 7: 541-560. illus. S.1929. no.4.

Gicklhorn, J.
Kristalline farbstoffspeicherung im protoplasma und zellsaft pflanzlicher zellen nach vitaler färbung. Protoplasma. 7: 341-352. illus. Ag. 1929. no.3.

Hammett, F. S.
Cell division and cell growth in size. Protoplasma. 7: 535-540. S.1929. no.4.
Experiments with maize.

Hammett, F. S.
The chemical stimulus essential for growth by increase in cell number. Protoplasma. 7: 297-322. Ag.1929. no.3.

Küster, E.
Frühe mitteilungen über plasmaraketen, plasmatentakeln und plasmazungen. Protoplasma. 7: 446-447. Ag.1929. no. 3.

Němec, B.
Ueber strukter und aggregatzustand des zellkernes. Protoplasma. 7: 423-443. illus. Ag. 1929. no.3.

Steward, F. C.
Phosphatides in the limiting protoplasmic surface. Protoplasma. 7: 602-621. S.1929. no.4.
A review with special reference to the plant protoplast.

Protoplasma. (cont.)

Weber, F.
Plasmolyse-ort. Protoplasma. 7: 583-601. illus. S. 1929. no.4.
Sammelreferate.

Weber, F.
Zentrifugierung und protoplasma-viskosität. Protoplasma. 7: 444-445. Ag. 1929. no.3.

Rassegna Econ. Colon. Italy. (Roma)

Romagnoli, M.
Fenicigrafia Libica. La coltura della palma da dattero in Cirenaica e le principali razze esistenti nell'oasi di Derna. Rassegna Econ. Colon. Italy. 17: 658-744. illus. Jl./Ag. 1929.

Rep. Agr. Dept. St. Lucia.

Control of fungus diseases. Rep. Agr. Dept. St. Lucia. 1928: 10-13. 1929.
Limes, cacao, coconuts (p.11-13)

Rep. Assoc. Hawaiian Sugar Techn.

Nicoll, J. L.
Seedlings. Rep. Assoc. Hawaiian Sugar Techn. 8: 125-139. 1929.

Tester, K. B.
Chemical weed control on irrigated plantations. Rep. Assoc. Hawaiian Sugar Techn. 8: 161-170. 1929.

Rep. Bot. Soc. & Exch. Club Brit. Isles.

Dalgliesh, J. G.
Notes on Potamogeton natans L. Rep. Bot. Soc. & Exch. Club Brit. Isles. 8(1928): 801-804. Ag. 1929. no.5.

Druce, G. C.
The flora of West Ross with introductory sketches of the topography and climate and also biographical notices of those who have contributed to the flora since 1778. Rep. Bot. Soc. & Exch. Club Brit. Isles. v.8. (1928, Suppl.): xxxvii, 112 p. pl. Ag. 1929. no.5.

Rep. Bot. Soc. & Exch. Club Brit. Isles. (cont.)

Fraser, J.
Notes on Mentha. Rep. Bot. Soc. & Exch. Club Brit. Isles. 8(1928): 809-810. Ag.1929. no.5.
M.aquatica v. subglabra, M.verticillata,v. paludosa, M.arvensis v.subglabra.

Pearsall, W. H.
The British Batrachia. Rep. Bot. Soc. & Exch. Club Brit.Isles. 8(1928): 811-837. 1929. no. 5.

Price, W. R.
Notes on the vegetation of Zetland, 1928. Rep. Bot. Soc. & Exch. Club Brit. Isles. 8(1928): 770-781. Ag.1929. no.5.

Trower, C. G.
British brambles. Rep. Bot. Soc. & Exch. Club Brit. Isles. 8(1928): 851-866. 34 pl., port. Ag.1929. no.5.
Introduction and memoir of Miss Trower by G.C. Druce; descriptions by W. Watson.

Turrill, W. B.
The flora of Foula. Rep. Bot. Soc. & Exch. Club Brit. Isles. 8(1928): 838-850. Ag.1929. no.5.
Most westerly of Zetland or Shetland group.

Watson, W.
Bramble notes, 1928. Rep. Bot. Soc. & Exch. Club Brit. Isles. 8(1928): 782-788. Ag.1929. no.5.
Rubus polioclados, R. nitidioides n.spp.

Reports of the conferences on cycles 1st & 2d.

Clements, F. E.
Climatic cycles and changes of vegetation. In Reports of the conferences on cycles. Washington, D.C., 1929. p.64-71.
Presented at 2d conference.

Dachnowski-Stokes, A.
Records of climatic cycles in peat deposits. In Reports of the conference on cycles. Washington, D.C., 1929. p.55-64. illus.
Presented at 2d conference.

Reports of the conferences on cycles 1st & 2d. (cont.)
MacDougal, D. T.
Trees as recorders. In Reports of the conference on cycles. Washington, D. C., 1929. p.26-41. illus.
Presented at 2d conference.

Rev. Agr. Puerto Rico. (San Juan)
Chardon, F.
Las nuevas variedades de cana. Rev. Agr. Puerto Rico. 23: 102-104. illus. S.1929. no.3.

Lugo, F. O.
Yautías. Rev. Agr. Puerto Rico. 23: 109-112, 131. illus. S.1929. no.3.

Rev. Facul. Agron. & Vet. Univ. Buenos Aires.
Burkart, A.
Las leguminosas papilionoideas cultivadas y adventicias en la República Argentina y su importancia económica. Rev. Facul. Agron. & Vet. Univ. Buenos Aires. 6: 241-335. illus. 1929. no.3.

Rev. Hort. (Paris)
Bois, D.
M. Jules Daveau. Rev. Hort. 101: 541-542. port. O.16, 1929. no.22.

Guillaumin, A.
Les cactées, principales especes. (cont.) Rev. Hort. 101: 552. illus. O.16,1929. no.22.

Lesourd, F.
Les plus gros arbres de France: Feuillus. (cont.) Magnolia. Rev. Hort. 101: 553-554. illus. O.16, 1929. no.22.

Sabourin, L.
Le Cornus kousa Buerger (Benthamia japonica Sieb. et Zucc.) Rev. Hort. 101: 542-545. illus. O.16, 1929. no.22.

Vercier, H.J.
Le rhizoctone de l'asperge. Rev. Hort. 101: 550-551. O.16, 1929. no.22.
Rh.violacea.

Rhodora. (Boston)

Clark, R.C.
Another station for Cypripedium arietinum in Massachusetts. Rhodora. 31: 223. N.1929. no.371.
Wilbraham Mountain.

Harper, R.M.
A southern outpost for Potentilla tridentata. Rhodora. 31: 221-223. N.1929. no.371.
Blood Mountain, Union Co., Ga.

Haynie, N.V.
A new color form of a wild strawberry. Rhodora. 31: 243-244. N.1929. no. 371.
Fragaria virginiana f. maliflora f. nov.

Kidder, N. T.
Unusual weeds in Milton, Mass. Rhodora. 31: 243. N.1929. no.371.

Sargent, H. E.
Pogonia affinis in the vicinity of Wolfeboro, New Hampshire. Rhodora. 31: 242-243. N.1929. no.371.

Svenson, H. K.
Monographic studies in the genus Eleocharis (cont.) Rhodora. 31: 224-243. pl. 191. N.1929. no.371.
E.galapagensis, E. alveolata, n.sp.

Schweiz. Obst.- u. Gartenb. Zeit. (Münsingen)

Rytz, W.
Ueber das wesen der panaschierung bei den pflanzen. Schweiz. Obst.- u. Gartenb. Zeit. 1929: 331-335. illus. O.2, 1929. no.20.

Schweiz. Zeitschr. Obst- u. Weinb. (Wadenswit)

Osterwalder, A.
Von der weissfäule oder hagelkrankheit der trauben. Schweiz. Zeitschr. Obst- u. Weinb. 38: 383-386. illus. O.19, 1929. no.21

V.11, no.23, p. 28.

Science. (Lancaster, Pa.)

Allen, W. E.
Ten years of statistical studies of marine phytoplankton at the Scripps Institute of Oceanography. Science. 70: 416-419. N.1, 1929. no. 1818.

Beadle, G. W.
A gene for supernumerary mitoses during spore development in Zea mays. Science. 70: 406-407. O.25, 1929. no.1817.

Gericke, W. F.
Adaptation of rice to forty centuries of agriculture. Science. 70: 430-432. N.1, 1929. no.1818.

Linder, D. H.
An ideal mounting medium for mycologists. Science. 70: 430. N.1, 1929. no. 1818.

Mann, A.
Blocking-out undesirable backgrounds in photographs. Science. 70: 408. O.25, 1929. no.1817.

Miller, J. F.
Mounting serial sections. Science. 70: 408. O.25, 1929. no.1817.

Neal, D. C.
The occurrence of viable cotton root-rot sclerotia in nature. Science. 70: 409-410. O.25, 1929. no.1817.

Science News Letter.

[Tributes to Dr. Slosson]. Science News Letter. 16: 250, 253, 258. port. O.26, 1929. no.446.
The writings of Edwin E. Slosson: p.258.

Scient. Agr. (Ottawa)

Dorsey, M. J.
A genetic conception of hardiness. Scient. Agr. 10: 193-199. N.1929. no.3.

Foulds, F. E.
A study of the comparative morphology of the seeds of Agropyron. Scient. Agr. 10: 200-219. illus. N.1929. no.3.

Senckenbergiana. (Frankfurt a.M.)

Florin, R.

Ueber einige algen und koniferen aus dem mittleren und oberen Zechstein. Senckenbergiana. 11: 241-266. illus. pl.1-5. Jl.15,1929. no.4.

Suomen Maataloust. Seuran Julk. (Acta Agr. Fenn.) (Helsingfors)

Teräsvuori, K.

Niittyluokitussista suomen maataloudellisessa ja kasvimaantieteelliseessä kirjallisuudessa. (Ueber wiesenklassifizierungen). Suomen Maataloust. Seuran Julk. (Acta Agr. Fenn.) 18: 58-66. 1929.

German summary: p.65-66.

Teräsvuori, K.

Die quecke, Triticum repens L., als kulturpflanze und unkraut. Suomen Maataloust. Seuran Julk (Acta Agr. Fenn.) 18: 33-57. illus. 1929.

Walle, O.

Hedelmöittämiskyvyn säilymisaika rukiin siitepölyllä. (Untersuchungen über die lebensdauer des roggenpollens). Suomen Maataloust. Seuran Julk. (Acta Agr. Fenn.) 18: 74-87. 1929.

German summary: p. 87.

Tijdschr. Plantenz. (Amsterdam)

Diddens, H.

De Ascochyta-ziekte van het vlas. Tijdschr. Plantenz. 35: 251-253. 1929. no. 9.

Poeteren, N.van.

Het verband tusschen weersfactoren en plantenziekten bij vruchtboomen. Tijdschr. Plantenz. 35: 254-256. 1929. no.9.

Torreya.

Bogusch, E. R.

A new phlox from Texas, Phlox wilcoxiana sp.nov. Torreya. 29: 135-136. S./O. 1929. no.5.

Gleason, H. A.

Two undescribed species of Hypericum from South America. Torreya. 29: 137-138. S./O.1929. no.5.

H. andinum, H.punense.

Torreya. (cont.)

Harper, R. M.
Two undescribed types of rock outcrop vegetation in Georgia. Torreya. 29: 125-130. S./O. 1929. no.5.

Hein, I.
An experimental mushroom house. Torreya. 29: 131-132. illus. S./O. 1929. no.5.

Porter, C. L. & Woollett, M.L.
Minor successions from the Cladonia mat in sandy Upland soil in northern Michigan. Torreya. 29: 133-134. S./O. 1929. no.5.

Weatherwax, P.
Cleistogamy in Poa chapmaniana. Torreya. 29: 123-124. illus. S./O. 1929. no.5.

Trans. & Proc. New Zeal. Inst. (Wellington, N.Z.)

Allan, H.H. & Thompson, W.A.
A remarkable Senecio hybrid. Trans. & Proc. New Zeal. Inst. 60: 265-266. pl.28-29. Ag.31, 1929. no.2.
S.southlandicus x.hectori.

Carse, H.
Botanical notes and new varieties. Trans. & Proc. New Zeal. Inst. 60: 305-307. Ag.31, 1929. no.2.
Hypolepis, Scirpus fluitans, Juncus holoschoenus var.multiflorus var.nov., X Cordyline gibbingsae hybr. nov., Pittosporum umbellatum, Hebe diosmoefolia var. vernalis var. nov., Pratia angulata var. minor var. nov.

Parlane, B.
An epidemic occurrence of Ustilago comburens Ludwig on Danthonia pilosa R.Br., an unrecorded host for New Zealand. Trans. & Proc. New Zeal. Inst. 60: 253-258. illus., pl.26-27. Ag.31, 1929. no.2.

Radcliffe, C. B.
The essential oil of Melicope ternata (Wharangi) Trans. & Proc. New Zeal. Inst. 60: 251-252. Ag.31, 1929. no.2.

Trans. Brit. Mycol. Soc. (London)

Ashby, S. F.
Further note on the production of suxual organs in paired cultures of species and strains of Phytophthora. Trans. Brit. Mycol. Soc. 14: 254-260. illus. 0.14, 1929. no.3/4.

Ashby, S. F.
The production of sexual organs in pure cultures of Phytophthora cinnamomi Rands and Blepharospora cambivora Petri. Trans. Brit. Mycol. Soc. 14: 260-263. illus. 0.14, 1929. no.3/4.

Briant, A. K. & Martyn, E. B.
A leaf-spot of Arctostaphylos manzanita. Trans. Brit. Mycol. Soc. 14: 221-225. illus. 0.14, 1929. no.3/4.
Macrosporium sarcinula.

Buddin, W. & Wakefield, E.M.
The fungus causing leaf rot of the carnation. Trans. Brit. Mycol. Soc. 14: 215-221. illus. 0.14, 1929. no.3/4.
Heteropatella dianthi, n.sp.

Cartwright, K.St.G.
Notes on Basidiomycetes grown in culture. Trans. Brit. Myco. Soc. 14: 300-305. illus. 0.14, 1929. no.3/4.
I. The occurrence of abnormal fructifications in Lenzites saepiaria. II. Secondary spore formation in Pholiota adiposa Fr.

Cayley, D.M.
Some observations on Mycetozoa of the genus Didymium. Trans. Brit. Mycol. Soc. 14: 227-248. illus. pl.v-vi. 0.14, 1929. no.3/4.

Chapman, A. C.
A new species of Oidium. Trans. Brit. Mycol. Soc. 14: 291-293. pl.vii. 0.14, 1929. no.3/4.
Not named.

Trans. Brit. Mycol. Soc. (cont.)

Chippindale, H. G.
The development in culture of Ascochyta gossypii Syd. Trans. Brit. Mycol. Soc. 14: 201-215. illus. 0.14, 1929. no.3/4.

Corner, E.J.H.
Studies in the morphology of Discomycetes. I-II. Trans. Brit. Mycol. Soc. 14: 263-275, 291. illus., 2 fold.pl. 0.14, 1929. no.3/4.
I. The marginal growth of apothecia. II. The structure and development of the ascocarp.

Ellis, E. H.
Armillaria mellea in a mine-working. Trans. Brit. Mycol. Soc. 14: 305-307. illus. 0.14, 1929. no.3/4.

Gwynne-Vaughn, H.C.I.
Problems of development in the fungi. Trans. Brit. Mycol. Soc. 14: 193-201. 0.14, 1929. no.3/4.

Knight, H. H.
Sussex lichens. Trans. Brit. Mycol. Soc. 14: 191-193. 0.14, 1929. no.3/4.

Lister, G.
A new species of Hemtrichia from Japan. Trans. Brit. Mycol. Soc. 14: 225-227. pl.iv. 0.14, 1929. no.3/4.
H.imperialis.

Mitra, M.
Phytophthora parasitica Dast. causing "damping off" disease of cotton seedlings and "fruit rot" of guava in India. Trans. Brit. Mycol. Soc. 14: 249-254. illus. 0.14, 1929. no.3/4.

Rea, C. & Ramsbottom, J.
Some fungus forays in America. Trans. Brit. Mycol. Soc. 14: 293-299. 0.14, 1929. no.3/4.
Near Ithaca, N.Y.

V.11, no.23, p.33.

Trop. Agriculture West Indies. (Trinidad)

Shepherd, E.F.S.

Maize chlorosis. Notes on chlorosis of maize and other gramineae in Mauritius. Trop. Agriculture West Indies. 6: 320. N.1929. no.11.

Maize disease in Mauritius is Stahl's stripe disease of maize, while that in Reunion in streak.

Wardlaw, C. W.

Soils and flora. Notes on a botanical and soil inspection of the St. Luica banana and forest lands. Trop. Agriculture West Indies. 6: 304-309. pl.xi-xiv. N.1929. no.11.

Trudy Leningr. Obshch. Estesty. Otd. Bot. (Trav. Soc. Nat. Leningr. Sect.Bot.)

Fedorov, A. & Fedorov, A.

.... Zur frage über den reliktcharakter des vorkommens der Arktisch-alpinen und steppen arten in der Pinega flora. Trudy Leningr. Obshch. Estestv. Otd. Bot. (Trav. Soc. Nat. Leningr. Sect. Bot.) 59(39): 55-102. illus. (map), 3 pl. 1929.

Russian with German summary.

Lilienstern, M.F.

... Recherches physiologiques sur Marchantia polymorpha en culture pure. Trudy Leningr. Obshch. Otd. Bot. (Trav. Soc. Nat. Leningr. Sect.Bot.) 59(3): 41-53. illus., 2 pl. 1929.

Russian with French summary.

Zedel'meier, O.M.

... Materialien zur kenntnis der wassermoorformationen in den seen von Dzavachetia (vormalige Akhalkalakrayon). Trudy Leningr. Obshch. Estestv.Otd. Bot. (Trav. Soc. Nat. Leningr. Sect. Bot.) 59(3): 103-139. illus. (incl.maps) 1929.

Russian with German summary.

U.S. Dept. Agr. Circ.

Griffiths, D. & Thompson, C. H.

Cacti. U.S. Dept. Agr. Circ. 66. 25 p. 19 pl. (1 col.) Je.1929.

U.S. Dept. Agr. Farm. Bull.

Darrow, G.M. & Detwiler, S. B.
Currants and gooseberries: their culture and relation to whitepine blister rust. U.S. Dept. Agr. Farm. Bull. 1398. rev. 42 p. illus. S.1929. (Rec'd O.)

Derr, H.B. & Lane, C.H.
Collection and preservation of plant material for use in the study of agriculture. U.S. Dept. Agr. Farm. Bull. 586. rev. 24 p. illus. Jl.1929. (Rec'd N.)

U.S. Dept. Agr. Misc. Publ.

Weiss, F.
Disinfecting seed potatoes. U.S. Dept. Agr. Misc. Publ. 53. 3 p. S.1929.

Verh. Bot. Ver. Prov. Brandenb..(Berlin-Dahlem)

Bartsch, J. & Bartsch, M.
Buche, tanne und fichte im Südschwarzwald und in den Südvogesen. Verh. Bot. Ver. Prov. Brandenb. 71: 131-142. Je.1, 1929.

Decker, P.
Carex microstachya Ehrh. in der Niederlausitz. Verh. Bot. Ver. Prov. Brandenb. 71: 129-131. Je.1, 1929.

Erichsen, C.F.E.
Die flechten des Moränengebiets von Ostschleswig mit berücksichtigung der angrenzenden gebiete. (cont.) Verh. Bot. Ver. Prov. Brandenb. 70: 173-223. D.31, 1928. no.3. (Rec'd O.1929); 71: 85-129. Je.1, 1929.

Görz, R.
Wilhelm Becker. Verh. Bot. Ver. Prov. Brandenb. 71: 142-150. Je.1, 1929.
Schriftenverzeichnis. Revidiert und erganzt von H. Melchior: p.145-150.

Mattfeld, J.
Die pflanzengeographische stellung Ost-Thrakiens. Verh. Bot. Ver. Prov. Brandenb. 71: 1-37. illus. (maps), pl.i-xi, map. Je.1, 1929.

Verh. Bot. Ver. Prov. Brandenb. (cont.)

Mayer, F.
Serodiagnostische verwandtschaftsforschung in der botanik. Verh. Bot. Ver. Prov. Brandenb. 71: 52-55. Je.1, 1929.

Ulbrich, E.
Ueber das system der basidiomyzeten. Verh. Bot. Ver. Prov. Brandenb. 71: 41-46. Je.1, 1929.

Ulbrich, E.
Ueber den teepilz. Verh. Bot. Ver. Prov. Brandenb. 71: 47-51. Je.1, 1929.

Ulbrich, E.
Ueber die arten der gattung Amanita. Verh. Bot. Ver. Prov. Brandenb. 71: 58-60. Je.1, 1929.

Ulbrich, E.
Ueber die durch wind verbreiteten (anemochoren) früchte und samen. Verh. Bot. Ver. Prov. Brandenb. 71: 62-71. illus. Je.1, 1929.

Ulbrich, E.
Ueber die familie Mayacaceae. Verh. Bot. Ver. Prov. Brandenb. 71: 56-58. Je.1, 1929.

Véstník Ceskosl. Akad. Zeměd. (Praha)

Baudyš, E.
Studium houby Rhizoctonia violacea. (Studium des pilzes Rhizoctonia violacea). Vestnik Ceskosl. Akad. Zemed. 5: 693-697. O.1929. no.8.
Czechoslovakian with German summary.

Yearbk. Madras Agr. Dept.

Jogiraju, G.
The colour of grain (inner glumes) in paddy. Yearbk. Madras Agr. Dept. 1928: 1-5. 1929.

Narasimhan, R.
A preliminary note on a Fusarium parasitic on Bengal-gram (Cicer arietinum). Yearbk. Madras Agr. Dept. 1928: 5-11. pl. 1929.

Yearbk. Madras Agr. Dept. (cont.)
Venkataraman, K.
Parthenogenesis in coconut. Yearbk, Madras Agr. Dept. 1928: 29-31. pl. 1929.

Zapisik Iuzhno-Ussur. Otd. Gosud. Russ.Geogr. Obshch. (Mem. So. Ussuri Br. State Russ. Geogr. Soc.)
Skvortsov, B. V.
... A contribution to the algae, Primorsk district of Far East URSS - Diatoma of Hanka Lake. Zapiski Iuzhno-Ussur. Otd. Gosud. Russ. Geogr. Obshch. (Mem. So. Ussuri Br. State Russ. Geogr. Soc.) 1929, no.3. 66 p. plates.

Zeitschr. Pilzk. (Leipzig)
Huber, H.
Standorte seltener pilze in der umgebung Wiener-Neustadt's (Niederösterreich und Bergenland). (cont.) Zeitschr. Pilzk. 12(n.s.8): 151-154. S.30, 1929. no. 9/10.

Kallenbach, F.
Polyporus squamosus Huds. (Melanopus squamosus Pat.) Zeitschr. Pilzk. 13(n.s.8): 154-156. S.30, 1929. no.9/10.

Killermann, S.
Pilze aus Bayern III teil. Zeitschr. Pilzk. 13(n.s.8): 146-150. S.30, 1929. no.9/10.

Exper. Stat. Publ.
Seal, J.L.
Pathological work. In Report of the Everglades experiment station. Rep. Florida Agr. Exp. Stat. 1927/28: 119R-120R. [1929]
Yellowing of beans, a disease of bush snap beans probably physiological.

Tisdale, W. B.
Tobacco disease investigations. In his Report of the Tobacco experiment station. Rep. Florida Agr. Exp. Stat. 1927/28: 100R-103R. [1929]

Weber, G. F.
[Report on] plant pathology. Rep. Florida Agr. Exp. Stat. 1927/28: 65R-78R. [1929]

Exper. Stat. Publ. (cont.)

Christensen, J.J., Stakman, E.C. & Immer, F. R.
Susceptibility of wheat varieties and hybrids to fusarial head blight in Minnesota. Minnesota Agr. Exp. Stat. Tech. Bull. 59. 24 p. illus. Ap.1929 (Rec'd O.)

Neal, D. C. & Wedgworth, H.H.
Annual report of plant pathology dept. Ann. Rep. Mississippi Agr. Exp. Stat. 41(1927/28): 34-39. [1929]

New Books.

Backer, C. A.
Onkruidflora der Javasche suikerrietgronden text pt. 1, atlas pt.1-2 (pl.1-64) [1928-29] (Handboek ten dienste van de suikerriet-cultuur en de rietsuiker-fabricago op Java 7)

Bews, J. W.
The world's grasses, their differentiation, distribution, economics and ecology. London, Longmans, 1929.

Clements, F.E., Weaver, J.E. & Hanson, H. C.
Plant competition. An analysis of community functions. Washington, D.C.1929 (Carnegie Inst. Washington Publ. 398)

Farlow, W. G.
Icones Farlowianae; illustrations of the larger fungi of eastern North America... with descriptive text by Edward Angus Burt. Cambridge, 1929.
Drawings by Joseph Bridgham and L.C.C. Krieger.

Frey, A.
Calciumoxalat-monohydrat und trihydrat. Berlin, Borntraeger, 1929 (Handbuch der pflanzenanatomie hrsg. von K. Linsbauer. abt.1, teil 1, Cytologie, v.31a)

Grafe, V.
Handbuch der organischen warenkunde... v.3, pt.1-2. Stuttgart, E.C. Poeschel, 1929.
1. Die gärungsgewerbe, riechstoffe, organischensäuren, natürliche farb- und gerbstoffe. 2. Kautschuk, tier- und pflanzenfette und wachse.

New Books. (cont.)

Hunger, F.W.T.
Kokospalme. Hamburg & Leipzig, Deutscher auslandverlag, 1929 (Bangerts Ausland-bucherei nr. 29)

Migula, W.
Flora von Deutschland, Oesterreich und der Schweiz... zbt.11, Kryptogamen-flora bd.12, Die flechten lfg. 37/38-41/42. [1929]

Netolitzky, F.
Die kieselkörper. Die kalksalze als zellinhaltskörper. Verlin, Borntraeger, 1929 (Handbuch der pflanzenanatomie hrsg. von K. Linsbauer abt.1, teil 1, Cytologie. v.3[1a])

Sprecher von Bernegg, A.
Tropische und subtropische weltwirtschaftspflanzen... v. 2. Oelpflanzen. Stuttgart, F. Enke, 1929.

Stapf, O.
Iconum botanicarum index londinensis, sive G.A. Pritzell index locupletissimus emendatus auctus et ad annum MCMXX productus. Auspiciis sumtibusque Regiae societatis horticulturae Londinensis in tutela ac praesidio Regii horti botanici kewensis confectus curante O. Stapf. v.1. Oxonii, e prelo Clarendoniano, 1929.

Stevenson-Hamilton, J.
The low-veld: its wild life and people. London, Cassell & company, 1929.
Vegetation: p.34-58; flora: p.272-276.

Weitzel, W.
Das rätsel des pflanzenblutes. Enthält die pflanze neben den vitaminen noch andere lebenswichtige nährstoffe? Dresden, E. Pahl, 1929.

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

Vol. 11, no.24. Nov. 11-23, 1929.

Agr. Gaz. N.S.W. (Sydney)

Anderson, R. H.
Farm forestry. V. The native and introduced trees of New South Wales. (cont.) Agr. Gaz. N.S.W. 40: 736-748. illus. O.1929. no.10.

Moodie, A.W.S.
Sorghum-sudan grass hybrids. Agr. Gaz. N.S.W. 40: 731-735. illus. O.1929. no.10.
1. Stock poisoning due to their presence in Sudan grass. By A.W.S. Moodie. 2. Hydrocyanic acid content of sorghum-sudan hybrids, by A.A. Ramsay (p.735)

Agr. Journ. Fiji.

Parham, W. L.
List of plant names, Naivakasiga, Bua. Agr. Journ. Fiji. 2: 65. 1929. no.3.

Amer. Midl. Nat. (Notre Dame, Ind.)

Grier, N.M. & Grier, C.R.
A list of plants growing under cultivation in the vicinity of Cold Spring Harbor, New York. (cont.) Amer. Midl. Nat. 11: 589-599. N.1929. no.12.

Slavin, A.D. & Nieuwland, J.A.
A new form of Tradescantia reflexa. Amer. Midl. Nat. 11: 600. N.1929. no.12.
T. reflexa forma albiflora.

Amer. Nat.

Cleland, R.E. & Oehlkers, Fr.
New evidence bearing upon the problem of the cytological basis for genetical peculiarities in the Oenotheras. Amer. Nat. 63: 497-510. N./D. 1929. no.689.

Pearson, O.H.
A dominant white flower color in Brassica oleracea L. Amer. Nat. 63: 561-565. N./D.1929. no.689.

Ann. & Mag. Nat. Hist. (London)

Edwards, W.N.
The Juraissic flora of Sardinia. Ann. & Mag. Nat. Hist. X, 4: 385-394. pl. iv-v. N.1929. no.23.

Edwards, W.N.
Lower cretaceous plants from Syria and Transjordania. Ann. & Mag. Nat. Hist. X,4: 394-405. illus., pl.vi-vii. N.1929. no.23.

Ann. Bot. (London)

Arber, A.
Studies in the Gramineae VIII. On the organization of the flower in the bamboo. Ann. Bot. 43: 765-781. illus. O.1929. no.172.

Ashby, E.
The interaction of factors in the growth of Lemna. IV. The influence of minute quantities of organic matter upon growth and reproduction. Ann. Bot. 43: 805-816. O.1929. no.172.

Brown, J. W.
Chemical studies in the physiology of apples. XI. The relation between the mineral constitution of apples and the soil on which they are grown. Ann. Bot. 43: 817-831. O.1929. no.172.

Clausen, J.
Chromosome number and relationship of some North American species of Viola. Ann. Bot. 43: 741-764. illus. (incl.map) O.1929. no.172.

Haigh, J. C. & Lochrie, J.V.
Investigation of a Mendelian ratio in Vigna sinensis by a consideration of a progeny from successive daily crosses. Ann. Bot. 43: 783-803. fold.tab. O.1929. no.172.

Jones, W. N.
Two simple methods for measuring respiration rates. Ann. Bot. 43: 841-846. illus. O.1929. no.172.

Ann. Bot. (cont.)

Land, W. H.
On fossil wood (Dadoxylon hendriksi, n.sp.) and other plant-remains from the clay-slates of South Cornwall. Ann. Bot. 43: 663-681. pl.xv-xvi. O.1929. no.172.

Maskell, E.J. & Mason, T. G.
Studies on the transport of nitrogenous substances in the cotton plant. II. Observations on concentration gradients. Ann. Bot. 43: 615-652. O. 1929. no.172.

Saxton, W.T. & Doyle, J.
The ovule and gametophytes of Athrotaxis selaginoides Don. Ann. Bot. 43: 833-840. illus. O. 1929. no.172.

Ware, W. M.
Experiments on the production of diseased shoots by the hop downy mildew, Pseudoperonospora humuli (Miy. et Takah.) Wils. Ann. Bot. 43: 683-710. illus., pl.xvii. O.1929. no.172.

Wiltshire, S.P.
A Stemphylium saltant of an Alternaria. Ann. Bot. 43: 653-662. illus., pl.xiv. O.1929. no.172.
Alternaria considered tentatively as small spored strain of A.tenius; Stemphylium not determined.

Youngman, W. & Pande, S. S.
The epidermal outgrowths of the genera Thespesia and Gossypium. A morphological study throwing some light upon the evolution of the hairs constituting commercial cotton. Ann. Bot. 43: 711-740. illus., pl.xviii-xix. O.1929. no.172.

Ann. Rep. Bur. Agr. Philippine Isl.

Philippine Isl. Dept. of Agriculture.
Plant diseases. Ann. Rep. Bur. Agr. Philippine Isl. 28: 75-76. 1929.

Ann. Rep. Dept. Agr. Brit. Columbia.

Eastham, J. W.
Report of the provincial plant pathologist, 1928. Ann. Rep. Dept. Agr. Brit. Columbia. 23(1928): 036-040. 1929.

Anz. Schadlingsk. (Berlin)
Parfentjev, I.A. & Wilcoxon, F.
Laubbeschadigung durch spritzungen mit kalzium-arsenit und kalzium-arsenat. (concl.) Anz. Schädlingsk. 5: 123-129. illus. 1929. no.10.

Atti R. Accad. Georgofili. (Florence)
Todaro, F.
I grani di razza. Atti R. Accad. Georgofili. V, 26: 153-177. 1929. no.1a.

Beih. Bot. Centralbl. Abt.I. (Dresden)
Axentjev, B. N.
Ueber die rolle der schalen von samen und früchten, die bei der keimung auf licht reagieren. Beih. Bot. Centralbl. Abt.I. 46: 119-202. illus. O. 1929. no.2.

Blochwitz, A.
Ameisenkörperchen, perlblasen und stachelspitzen. Beih. Bot. Centralbl. Abt.I. 46: 339-346. O.1929. no.2.

Kurt, J.
Ueber die hydathoden der Saxifrageae. Beih. Bot. Centralbl. Abt.I. 46: 203-246. illus., ii pl. O,1929. no.2.

Pohl, F.
Beziehungen zwischen pollenbeschaffenheit, bestäubungsart und fruchtknotenbau. Beih. Bot. Centralbl. Abt.I. 46: 247-285. O.1929. no.2.
Untersuchungen zur morphologie und biologie des pollens I.

Pohl, F.
Kittstoffreste auf der pollenoberflache windblutiger pflanzen. Beih. Bot. Centralbl. Abt.I. 46: 286-305. illus. O.1929. no.2.
Untersuchungen zur morphologie und biologie des pollens II.

Schwarz, W.
Der einfluss der zug-, knick- und biegungsbeanspruchung auf das mechanischen gewebesystem der pflanzen. Beih. Bot. Centralbl. Abt.I. 46: 306-338. illus. O.1929. no.2.
Mit ausschluss des sekundären dickenwachstums.

Better Flow. (Portland, Oreg.)
Rowntree, L.
Some California pentstemons for rock gardens.
Better Flow. 9(11): 8. N.1929.

Biochem. Zeitschr. (Berlin)
Pi-Suñer Bayo, C.
Studien über die dismutation von methylglyoxal und phenylglyoxal durch das enzym grüner blatter. Versuche mit lindenblättern. Biochem. Zeitschr. 213: 495-500. O.8, 1929. no.4/6.

Warburg, O. & Kubowitz, F.
Wirkung des kohlenoxyds auf die atmung von Aspergillus orycae. Biochem. Zeitschr. 214: 24-25. O.14,1929. no.1/3.

Zaleski, W. & Notkina, L.
Beiträge zur frage des hexosenabbaues in der pflanzen. IV. Zur frage nach dem mechanismus der stimulierende wirkung des luftsauerstoffs auf die postmortale alkoholgärung der erbsensamen. Biochem. Zeitschr. 213: 406-413. O.8, 1929. no.4/6.

Bol. Agr. Tecn. & Econ. Spain. (Madrid)
Lapazaran, J. C.
El charruscado o enroya de la remolacha azucarera. Bol. Agr. Tecn. & Econ. 21: 324-328. S.1929. no.249.

Bull. Amer. Dahlia Soc.
Dozier, H. L.
Bacterial wilt of the dahlia. Bull. Amer. Dahlia Soc. 10(50): 36-37. illus. O.1929. no.50.
Phytomonas solanacea = Bacterium solanacearum.

Bull. Bi-Mens. Soc. Linn. Lyon.
Camus, A.
Sur quelques Castanopsis de Chine. Bull. Bi-Mens. Soc. Linn. Lyon. 3: 87-88. Je.21, 1929. (Rec'd N.) no.12.

Bull. Bi-Mens. Soc. Linn. Lyon. (cont.)

Kühner, R.
La position taxonomique de l'"Agaricus separatus" Linné. Bull. Bi-Mens. Soc. Linn. Lyon. 8: 112-114. O.4, 1929. no.15.

Renaudet, G.
Sur les éruptions causées par le lierre. Bull. Bi-Mens. Soc. Linn. Lyon. 8: 25-26. F.22, 1929. no.4.

Tronchet, A.
Interprétation de la schizocotylie chez les dicotyledones. Bull. Bi-Mens. Soc. Linn. Lyon. 8: 111-112. O.4, 1929. no.15.

Bull. Gard. Club Amer.

Chandler, C. B.
Flora of the Arizona desert. Bull. Gard. Club. Amer. IV, 6: 63-67. N.1929.

Marquand, E. C.
Three valleys of the Pyrenees. Bull. Gard. Club. Amer. IV, 6: 2-10. illus. N.1929.

Bull. Mens. Soc. Nat. Hort. France. (Paris)

Cayeux, L.
Les ennemis du dahlia. Bull. Mens. Soc. Nat. Hort. France. V, 2: 518-521. S.1929.
Mainly on insects, some notes on Entyloma dahliae.

Wagner, J.Ph.
Mise a fruits d'une treille sterile. Bull. Mens. Soc. Nat. Hort. France. V,2: 517-518. S. 1929.

Bull. Torr. Club.

Beckwith, A.M.
Pilacre faginea proves to be a heterothallic fungus. Bull. Torr. Club. 56: 359-360. O. 1929. no.7.

Bull. Torr. Club. (cont.)

Killip, E.P. & Smith, A.C.
The genus Weinmannia in northern South America. Bull. Torr. Club. 56: 361-377. illus. O. 1929.
W. laxiramea, W. stenocarpa, W. vegasana, W. venezuelensis, W.multijuga, n.sp.

Saeger, A.
The flowering of Lemnaceae. Bull. Torr. Club. 56: 351-358. pl.17-19. O.1929. no.7.

Wodehouse, R. P.
The origin of symmetry patterns of pollen grains. Bull. Torr. Club. 56: 339-350. illus., pl.16. O.1929. no.7.

Centralbl. Bakt. Abt.II. (Jena)

Woller, H.
Ueber die epiphytische bakterienflora gesunder grüner pflanzen. Centralbl. Bakt. Abt.II. 79: 173-177. O.21, 1929. no.8/14.

Chem. Umschau. (Stuttgart)

Ivanov, S. & Magnitowa, A.J.
Zur kenntnis der pflanzenöle der Union der S.S.R. III. Die natur det fettöle der familie der Anacardiaceae im zusammenhang mit den klimatischen bedingungen ihres herkunftslandes. Chem. Umschau. 36: 322-324. O.23, 1929. no.21.

Compt. Rend. Acad. Agr. France. (Paris)

Arnaud, G.
Essais de traitement de la carie du blé. Compt. Rend. Acad. Agr. France. 15: 844-851. O.18, 1929. no.23.

Compt. Rend. Acad. Sci. Paris.

Bridel, M. & Rabaté, J.
Variations dans la composition des rameaux frais de l'amélanchier (Amelanchier vulgaris Moench) au cours de la végétation d'une année. Compt. Rend. Acad. Sci. Paris. 189: 775-777. N.4, 1929. no.19.

Compt. Rend. Acad. Sci. Paris. (cont.)

Chevalier, A.
Sur l'envahissement des bouches de l'Adour et de la Bidassoa par le Spartina glabra Muhlb. et sur la variabilité de cette espèce. Compt. Rend. Acad. Sci. Paris. 189: 649-650. O.21. 1929. no. 17.

Foëx, E. & Rosella, E.
Contribution à nos connaissances sur le piétin du blé. Compt. Rend. Acad. Sci. Paris. 189:777-779. No.4, 1929. no.19.

Fontaine, M.
De l'action des fortes pressions sur la respiration des algues. Compt. Rend. Acad. Sci. Paris. 189: 647-649. O.21,1929. no.17.

Fosse, R., Brunel, A., Graeva, P.de.
Sur l'allantöinase et l'origine de l'acide allantöique chez les végétaux. Compt. Rend. Acad. Sci. Paris. 189: 716-717. O.28, 1929. no.18.

Guillaume, A.
Des pertes en alcalöides au cours de la dessiccation des plantes dans des conditions variées. Compt. Rend. Acad. Sci. Paris. 189: 706-708. O.28, 1929. no.18.

Lesage, P.
Suite des recherches sur le caractère précocité et son hérédité dans le Lepidium sativum. Compt. Rend. Acad. Sci. Paris. 189: 773-775. N.4, 1929. no.19.

Obaton, F.
Existe-t-il un rapport entre la nature des glucides du Sterigmatocystis nigra et celle des sucres qui lui sont fournis? Compt. Rend. Acad. Sci. Paris. 189: 711-713. O.23, 1929. no.18.

Compt. Rend. Soc. Biol. Paris.

Conard, A.
Sur la division des noyaux polymorphes de la tige de Tradescantia virginica L. Compt. Rend. Soc. Biol. Paris. 102: 344-345. illus. O.25, 1929. no.27.

Curt. Bot. Mag.

Curt. Bot. Mag. v.153, pt.2. col.pl. 9173-9183. O.28, 1929. no.2.

Rhododendron calophytum, Gaultheria veitchiena, Cyrtanthus rhododactylus, n.sp. Siphonosmanthus (n. gen.) suavis, Acacia rhetinodes, Salvia caerulea, Encyclia mooreana, Cosmos diversifolius, Briggsia amabilis, Potentilla nepalensis, Euonymus grandiflorus, f.salicifolia.

Ecology. (Brooklyn, N.Y.)

Blomquist, H.L.

The relation of capillary cavities in the Jungermanniaceae to water absorption and storage. Ecology. 10: 556-557. illus. O.1929. no.4.

Frullania asagrayana.

Campbell, R. S.

Vegetative succession in the Prosopis sand dunes of southern New Mexico. Ecology. 10: 392-398. illus. pl.xi. O.1929. no.4.

Jornada range reserve.

Gleason, H.A.

The significance of Raunkiaer's law of frequency. Ecology. 10: 406-408. O.1929. no.4.

Shreve, F.

Changes in desert vegetation. Ecology. 10: 364-373. illus. pl.x. O.1929. no.4.

Stallard, H.

Secondary succession in the climax forest formations of northern Minnesota. Ecology. 10: 476-547. illus. (incl.map), xlvi pl. O.1929. no.4.

Waller, A.E.

Origin of cultivated plants as illustrated by a sedge. Ecology. 10: 415-419. illus. O. 1929. no.4.

Carex texensis.

For. Prod. Res. Bull. Gt.Brit.

Chalk, L. & Rendle, B.J.
British hardwoods. Their structure and identification. For. Prod. Res. Bull. Gt. Brit. no.3. 53 p. 28 pl. Ja.1929 (Rec'd N.)

Fortschr. Landw. (Vienna)

Meyer, L.
Die tomate, ein empfindlicher und schneller indikator für phosphorsauremangel des bodens. Fortschr. Landw. 4: 684-687. illus. N.1, 1929. no.21.

Niklas, H. & Miller, M.
Beiträge zur dynamik des pflanzenwachstums. Fortschr. Landw. 4: 681-683. N.1, 1929. no.21.

Gard. Chron. (London)

Darnell, A.W.
The genus Primula. (cont.) Gard. Chron. III, 86: 344-348, 368-369. illus. N.2,9,1929. no.2236-2237.

Friend, H.
Problems of plant life. XII. The significance of bloom. (cont.) Gard. Chron. III, 86: 346. N.2, 1929. no.2236.

Hosking, A.
Plant variations. Sports, chimaeras, variegation and mutations. (cont.) Gard. Chron. III, 86: 368. illus. N.9, 1929. no.2237.

Osborn, A.
The Meliosmas. Gard. Chron. III, 86: 347-348. illus. N.2, 1929. no.2236.

Robinson, G. W.
An English gardener in Chili. (cont.) Gard. Chron. III, 86: 348-349. illus. N.2, 1929. no.2236.

Robinson, M.
Vegetables and fruits in use in the eighteenth century. Gard. Chron. III, 86: 349. N.2,1929. no.2236.

Gard. Chron. (cont.)

Ward, F. K.

Mr. F. Kingdon Ward's tenth expedition in Asia. XXXIV. The last round. Gard. Chron. III, 86: 366-367. illus. N.9, 1929. no.2237.

Gard. Illus. (London)

Giuseppi, P.

Looking for Wulfenia baldacci. Gard. Illus. 51: 754-755. illus. N.9, 1929. no.2644.

Near Scutari in Albanian Alps.

Gartenw. (Berlin)

Merkel,

Aelchen an Doronicum und salvien. Gartenw. 33: 600-601. illus. O.25,1929. no.43.

Aphelenchus olesistus.

Hawaiian Plant. Rec. (Honolulu)

Verret, J. A.

Bud selection. Hawaiian Plant. Rec. 33: 431-438. O.1929. no.4.

Hedwigia. (Dresden)

Hruby, J.

Beiträge zur pilzflora Mährens und Schlesiens. Hedwigia. 69: 173-213. S.1929. no.3/4.

Kaiser, P.

Algologische notizen IV. Hedwigia. 69: 214-218. illus. S.1929. no.3/4.

Euastrum starnbergense n.sp.

Schmidt, O.C.

Beiträge zur kenntnis der meeresalgen der Azoren II. Hedwigia. 69: 165-172. illus. S.1929. no. 3/4.

Polysiphonia azorica n.sp.

Hereditas. (Lund)

Euler, H.v.

Chemische untersuchungen an chlorophyllmutanten. I.- Hereditas. 13: 62-79. O.23,1929. no.1.

Hereditas. (cont.)

Håkansson, A.
Die chromosomen in der kreuzung Salix viminalis x caprea von Heribert Nilsson. Hereditas. 13: 1-52. illus. pl. 1. 0.23, 1929. no.1.
English summary: p.49.

Håkansson, A.
Ueber verscheidene chromosomenzahlen in Scirpus palustris L. Hereditas. 13: 53-60. illus. 0.23, 1929. no.1.
English summary: p.59-60.

Levan, A.
Zahl und anordnung der chromosomes in der meiosis von Allium. Hereditas. 13: 80-86. illus. 0.23, 1929. no.1.

Horticulture. (Boston)

Wilson, E. H.
The useful yew in northern gardens. Horticulture. 7: 551-552. illus. N.15, 1929. no.22.

Intern. Bull. Plant Prot. (Rome)

Data and information on damage caused to cultivated crops by the cold of the winter 1928-1929 (cont.) Intern. Bull. Plant Prot. 3: 150-153. 0.1929.

Savulescu, T.
Rumania: Outbreak of the bacterial disease of tobacco, known as "Wisconsin leaf spot". Intern. Bull. Plant Prot. 3: 149-150. 0.1929. no.10.
Bacterium melleum.

Iowa State Coll. Journ. Sci. (Ames, Ia.)

Gilman, J.C. & Archer, W.A.
The fungi of Iowa parasitic on plants. Iowa State Coll. Journ. Sci. 3: 299-507. Jl.1929. no.4.

Jahrb. Wiss. Bot. (Leipzig)

Dostál, R.
Untersuchungen über protoplasmamobilisation bei Caulerpa prolifera. Jahrb. Wiss. Bot. 214: 596-667. illus. 0.1929. no.4.

Jahrb. Wiss. Bot. (cont.)

Kipp, M.
Die abgabe von kohlensäure und die aufnahme von sauerstoff bei der keimung lichtgeförderter samen von Nicotiana tabacum. Jahrb. Wiss. Bot. 71: 533-595. illus. O.1929. no.4.

Metzner, P.
Ueber die wirking der längskraft beim geotropismus. Jahrb. Wiss. Bot. 71: 325-385. illus. O.1929. no.3.

Pashcer, A.
Studien uber symbiosen. I- Jahrb. Wiss. Bot. 71: 386-462. illus., pl. O.1929. no.3.
I. Ueber einige endosymbiosen von blaualgen in einzellern.

Steiner, M. & Löffler, H.
Stickstoffbasen im eiweissabbau höherer pflanzen. II Histochemische studien uber verbreitung, verteilung und wandel des ammoniaks und der flüchtigen amine. Jahrb. Wiss. Bot. 71: 463-532. illus. O.1929. no.3.

Japan. Journ. Bot. (Tokyo)

Asai, T.
Ueber die wildwachsenden gefülltblütigen stöcke von Gardenia jasminoides, Ellis. Japan. Journ. Bot. 4: 335-344. illus. S.18,1929. no.4.

Inariyama, S.
Karyological studies of Iris kaempferi, Sieb. Japan. Journ. Bot. 4: 405-426. illus., pl. xxxv-xxxvii. S.18, 1929. no.4.

Kagawa, F.
Cytological studies on the pollen-formation of the hybrids between Triticum and Aegilops. Japan. Journ. Bot. 4: 345-361. pl.xxxii-xxxiv. S.18, 1929. no.4.

Kagawa, F.
On the phylogeny of some cereals and related plants, as considered from the size and shape of chromosomes. Japan. Journ. Bot. 4: 363-383. illus. S.18,1929. no.4.

Japan. Journ. Bot. (cont.)

Nakai, T.
Chaenomeles in Japan. Japan. Journ. Bot. 4: 327-334. S.18, 1929. no.4.

Noguchi, Y.
Zur kenntnis der befruchtung und kornbildung bei den reispflanzen. Japan. Journ. Bot. 4: 385-403. illus. S.18, 1929. no.4.

Tateischi, S.
Embryologische studien an der gattung Chrysanthemum. Japan. Journ. Bot. 4: 317-326. illus., pl. xxx-xxxi. S.18, 1929. no.4.

Journ. Agr. Res. (Washington, D.C.)

Jenkins, M.T.
Correlation studies with inbred and crossbred strains of maize. Journ. Agr. Res. 39: 677-721. N.1,1929 (N.13) no.9.

King, C.J. & Loomis, H.F.
Further studies of cotton root rot in Arizona, with a description of a Sclerotium stage of the fungus. Journ. Agr.Res. 39: 641-676. illus. N.1,1929. (N.13) no.9.

Journ. Amer. Soc. Agron. (Geneva, N.Y.)

Jorgenson, L. R.
Effect of smut infection on the yield of selfed lines and F_1 crosses in maize. Journ. Amer. Soc. Agron. 21: 1109-1112. N.1929. no.11.

Journ. & Proc. Roy. Soc. N.S.W. (Sydney)

Cambage, R. H.
Acacia seedlings. Part XIII. Journ. & Proc. Roy. Soc. N.S.W. 62: 152-167. pl.x-xiii. My. 1929 (Rec'd Oct.)

Blakely, W. F.
Description of three new species of Eucalyptus and one Acacia. Journ. & Proc. Roy. Soc. N.S.W. 62: 201-217. pl. xvii-xx. My.1929 (Rec'd Oct.)
Eucalyptus joyceae, Eucalyptus anomala, Eucalyptus wardii, Acacia lucasii.

Journ. & Proc. Roy. Soc. N.S.W. (cont.)

Cheel, E.
Further notes on the genus Boronia. Journ. & Proc. Roy. Soc. N.S.W. 62: 290-302. My. 1929 (Rec'd Oct.)
Boronia rigens, Boronia dentigeroides, n.spp.

Finnemore, H. & Cox, C.B.
Cyanogenetic glucosides in Australian plants. Journ. & Proc. Roy. Soc. N.S.W. 62: 369-378. My.1929 (Rec'd Oct.)

Harrison, T. H.
Brown rot of fruits, and associated diseases, in Australia. Journ. & Proc. Roy. Soc. N.S.W. 62: 99-151. illus. pl.v-ix. My.1929 (Rec'd Oct.)
I. History of the disease and determination of the causal organism. (Sclerotinia fruticola)

Noble, R. J.
Some observations on the woodiness or bullet disease of passion fruit. Journ. & Proc. Roy. Soc. N.S.W. 62: 79-98. illus. pl.i-iv. My.1929 (Rec'd. Oct.)

Penfold, A.R. & Morrison, F.R.
The occurrence of a number of varieties of Eucalyptus dives as determined by chemical analysis of the essential oils II. (With remarks on the ortho-cresol method for estimation of cineol). Journ. & Proc. Roy. Soc. N.S.W. 62: 72-78. My.1929 (Rec'd Oct.)

Welch, M. B.
Notes on some Australian timbers of the Monimiaceae. Journ. & Proc. Roy. Soc. N.S.W. 62: 350-365. pl.xxvi-xxix. My.1929 (Rec'd Oct.)

Journ. Assoc. Off. Agr. Chem. (Washington, D. C.)

Tilden, D. H.
Report on ash in fruit products. Journ. Assoc. Off. Agr. Chem. 12: 362-370 N.1929. no.4.
Proposed methods for the determination of potassium manganese, calcium and magnesium in plant ashes: p.366-367.

Journ. Elisha Mitchell Sci. Soc. (Chapel Hill, N.C.)

Coker, W. C.
Notes on fungi. Journ. Elisha Mitchell Sci. Soc. 45: 164-178. col.front. & pl.10-23. N.1929. no.1.

Lewis, I.V. & Cocke, E.C.
Pollen analysis of Dismal Swamp peat. Journ. Elisha Mitchell Sci. Soc. 45: 37-58. illus.,pl.3-5. N.1929. no.1.

Peattie, D.C.
Flora of the Tryon region. Pt.IV. Mimosa family to dogwood family (Mimosaceae to Cornaceae). Journ. Elisha Mitchell Sci. Soc. 45: 59-100. N.1929. no.1.

Pleasants, A.L.
The effect of nitrogen in nutrient medium upon the stomatal movement. Journ. Elisha Mitchell Sci. Soc. 45: 22-23. N.1929. no.1.
In Proceedings of 28th annual meeting North Carolina academy of science.

Poole, R.F.
Sweet potatoes infected by Schizophyllum commune. Journ. Elisha Mitchell Sci. Soc. 45: 137-139. pl.7-9. N.1929. no.1.

Wolf, F. A.
The relationship of Microstroma juglandis (Bereng.) Sacc. Journ. Elisha Mitchell Sci. Soc. 45: 130-136. pl.6. N.1929. no.1.

Journ. Hered. (Washington, D.C.)

Thackery, F.A. & Leding, A.R.
The giant cactus of Arizona. The use of its fruit and other cactus fruits by the Indians. Journ. Hered. 20: 401-414. illus. S.1929. no.9.
Giant cactus (sahuaro, Carnegiea gigantea) & organ pipe cactus (Lemaireocereus thurberi)

Journ. N.Y. Bot. Gard.

Britton, N.L.
The shrub yellow-root. Journ. N.Y. Bot. Gard. 30: 265-269. illus. N.1929. no.359.
Xanthorhiza simplicissica.

Journ. N.Y. Bot. Gard. (cont.)

Small, J. K.
Palmetto with a stem, Sabal deeringiana.
Journ. N.Y. Bot. Gard. 30: 278-284. illus.
N.1929. no.359.

Stout, A. B.
The development of seedless fruits by breeding.
Journ. N.Y. Bot. Gard. 30: 270-277. illus.
N.1929. no.359.

Journ. Soc. Trop. Agr. Japan. (Taiwan)

Matsumoto, T.
On the diagnosis of certain plant infectious diseases by means of serological reactions. Journ. Soc. Trop. Agr. Japan. 1: 14-22. Jl.1929. no.1.
Japanese with English résumé: p.21-22.

Suzuta, I.
Ueber die chlorophyllmenge zwischen den japanischen- und formosanischen reisstämmen. Journ. Soc. Trop. Agr. Japan. 1: 79-83. Jl.1929. no.1.
Japanese with German résumé: p.82-83.
Vorläufige mitteilung.

Tanaka, T.
Chalcas, a Linnean genus which includes many new types of Asiatic plants. Journ. Soc. Trop. Agr. Japan. 1: 23-42. Jl.1929. no.1.
Reviso aurantiacearum IV.
Reprinted as Contr. Hort. Inst. Taihoku Imp. Univ. no.1.

Landbouwk. Tijdschr. Maandbl. Nederl. Genootsch. Landbouwwetensch. (Amsterdam)

Franck, W.J.
Het kiemkrachtsonderzoek van biologisch standpunt beschowd. (concl.) Landbouwk. Tijdschr. Maandbl. Nederl. Genootsch. Landbouwwetensch. 41: 613-625. O.1929. no.497.

Wellensiek, S.J.
De invloed van poottijd en rij-afstand op de verspreiding van aardappel-virosen (The influence of time of planting and of row-distance on the spread of potato-viroses.) Landbouwk. Tijdschr. Maandbl. Nederl. Genootsch. Landbouwwetensch. 41: 641-648. O.1929. no.497.
English summary: p.647.

Landw. Jahrb. (Berlin)
Könekamp, A. & König, F.
Ueber den einfluss wirtschaftlicher massnahmen auf den pflanzenbestand des grünlandes. Landw. Jahrb. 70: 61-88. illus. 1929. no.1.

Landw. Jahrb. Schweiz. (Bern)
Osterwalder, A.
Kohlhernie-bekämpfungsversuche 3. Landw. Jahrb. Schweiz. 43: 785-810. illus. 1929. no.6.

Malayan Tin & Rubber Journ. (Ipak, Perak, Fed. Malay St.)
Taylor, R.A.
Brown bast. Physiological theories. Effect of season and environment. Malayan Tin & Rubber Journ. 18: 1105-1112. S.30, 1929. no.18.

Matar. Vyvuch. Flery i Fauny Belarusi (Beitr. Erforsch. Flora & Fauna Weissruth.)
Savich, N.
... Die ergebnisse geobotanischer untersuchungen im Mogilewschen bezirke im sommer 1925. Matar. Vyvuch. Flery i Fauny Belarusi (Beitr. Erforsch. Flora & Fauna Weissruth.) v.3. 118 p. 2 maps, fold. tab. 1929.
Weissruth. Akad. Wissensch. Abt.Natur. u. Volkswirtsch.
White Russian with German summary.

Meded. Proefst. Vorstenl. Tabak. Java.
Tollenaar, D.
Phytopathologische waarnemingen 1928/29. In Jaarverslag Proefst. Vorstenlabd. Tabak. Java. Its Meded. 62: 28-39. 3 pl. 1929.
1. Optreden van slijmziekte na Katjangtanah. 2. De verspreiding van "kroepoek". 3. Een "nieuwe" ziekte: de perforatie-ziekte. 4. Mozaiek en andere ziekten.

Mitt. Deut. Landw. Ges. (Berlin)
Kotte, W.
Aufgaben des pflanzenschutzes im tabakbau.
Mitt. Deut. Landw. Ges. 44: 984-986. illus.
N.2, 1929. no.44.

Monatsch. Chem. (Vienna)
Friedrich, A. & Salzberger, A.
Zur kenntnis des lignins. V. Ueber den zusammenhang von lignin und harz. Monatsh. Chem. 53/54: 989-1001. O.1929.

Fröschl, N. & Zellner, J.
Zur kenntnis der pilzharze. Monatsh. Chem. 53/54: 146-152. O.1929.

Nachricntenbl. Deut. Pflanzenschutzd. (Berlin)
Kotte, W.
Rauchschäden an steinobst-fruchten. Nachrichtenbl. Deut. Pflanzenschutzd. 9: 91-92. illus.
n.1929. no.11.

Nature. (London)
Bagchee, K.
A new species of Cronartium from the Himalayas.
Nature. 124: 691-692. illus. N.2, 1929. no.3131.
Cronartium stage of Peridermium himalayense on Swertia species.

Freudenberg, K.
The vegetable tannins. Nature. 124: 697-699. N.2,1929. no.3131.

Nature Mag. (Washington, D.C.)
Baker, M. F.
Florida's wild flowers. Nature Mag. 14: 341-344. illus. D.1929. no.6.

Stevenson, N. I.
Florida's trees. Nature Mag. 14: 361-365. illus. D.1929. no.6.

Naturwissensch. (Berlin)
Walter, H.
Die winterschaden an unseren immergrunen pflanzen während der kalteperiode Januar-Marz 1929 und ihre ursachen. Naturwissensch. 17: 854-859.
N.1, 1929. no.44.

Ohio Journ. Sci. (Columbus)

Henderson, N. F.
Ohio mosses, Dicranales. Ohio Journ. Sci. 29: 197-217. S.1929. no.5.

Schaffner, J. H.
Principles of plant taxonomy VII. Ohio Journ. Sci. 29: 243-252. illus. S.1929. no.5.

Orchid Rev. (Richmond, England)

Arnold, R. E.
Some anguloas. Orchid Rev. 37: 338-342. N.1929. no.437.

Godfery, M.J.
The pollination of Bletia hyacinthina, R.Brown (Blethilla hyacinthina, Pfitzer). Orchid Rev. 37: 325-327. N.1929. no.437.

Pflanzenbau. (Berlin)

Baumann, E.
Probleme der futterpflanzenzuchtung und ihre auswirkung für die praxis der zuchtung und des pflanzenbaues. Pflanzenbau. 5: 204-211. Ja.15, 1929 (Recd N.) no.13/14.

Braun, H.
Ueber den einfluss von kohlensaure und sauerstoff auf die lebenstatigkeit der kartoffelknolle. Pflanzenbau. 5: 277-284. Ap.15, 1929 (Recd N.) no.19/20.

Knoll, J.
Kunstliche kreuzung von gräsern und die erkennung von gräserbastarden an den anatomie ihres blattquerschnittes. Pflanzenbau. 5: 250-255. Mr.15,1929. (Rec'd N.) no.17/18.

Landgraf, K. E.
Bodenreaktion und wachstum der wiesenpflanzen. Pflanzenbau. 5: 331-335. My.15,1929 (Rec'd N.) no.21/22.

Opitz, K.
Zum 70. geburtstage von Rumkers. Pflanzenbau. 6: 1-8. Jl.1929 (Recd N.) no.1.
Die folgende zusammenstellung der veröffentlichungen von Rümkers ist von Herrn Bibliothekar. a. D. Brosch-Berlin angefertigt worden: p.5-8.

Pflanzenbau. (cont.)

Reiling, H.
Beiträge zur kenntnis der viruskrankheiten der kartoffel. Pflanzenbau. 5: 267-271, 284-290. Mr.15, Ap.15,1929 (Rec'd N.)

Rudorf, W.
Zur frage der verwendung der sortenimmunität gegen pilzliche parasiten als unterscheidungsmerkmal für das getreidesortenregister. Pflanzenbau. 6: 25-26. Jl.1929 (Rec'd N.) no.1.

Scheibe, A.
Zur frage der diagnostik und der untersuchung auf reinheit von getreidesorten mit hilfe von rostbiotypen. Pflanzenbau. 5: 263-267. Mr.15, 1929 (Recd N.) no.17/18.

Schlumberger, O.
Der gegenwartige stand der schorffrage. Pflanzenbau. 6: 33-39. Ag.1929. no. 2.

Semsroth, H.
Die stammbäume unserer kartoffelsorten und ihre bedeutung für die praktische kartoffelkreuzungszucht. Pflanzenbau. 5: 321-324. My.15,1929. (Recd N.) no.21/22.

Terényi, A.
Die bekämpfung des wurzelbrandes der zuckerrübe. Pflanzenbau. 5: 309-315. My.15, 1929 (Recd N). no. 21/22.

Pharm. Acta Helv. (Zürich)

Gaudard, F.
Ueber den kieselsäuregehalt einiger arzneipflanzen. Pharm. Acta Helv. 4: 157-180. O.26, 1929. no.10.
Equisetum arvense, Polygonum aviculare, Galeopsis ochroleuca.

Philipp. Agr. (Los Baños)

Ocfemia, G. O.
Department of plant pathology. Philipp. Agr. 18: 353-357. O.1929. no.5.
Philippine college of agriculture.

V.11, no. 24, p.22.

Philipp. Agr. Rev. (Manila)

Aldaba, V. C.

"Cauayan" (Bambusa blumeneana Schultes F.) investigations in the southwestern towns of Bulacan. Philipp. Agr. Rev. 22: 243-249. 1929. no. 3.

Sherman, H. E.

Preliminary report on growth of abacá (Musa textilis) in various nutrient solutions. Philipp. Agr. Rev. 22: 235-242. 10 pl. (2 col.) 1929. no.3.

Wester, P.J.

Observations on agriculture in the Philippines. Philipp. Agr. Rev. 22: 205-233. pl. xviii-xxv. 1929. no.3.

Extracts from the Annual Report for 1928.

Philipp. Journ. Sci. (Manila)

Copeland, E. B.

New or interesting Philippine ferns. VII. Philippine Journ. Sci. 40: 291-313. 9 pl. N. 1929. no.3.

Phytopath. (Lancaster, Pa.)

Abbott, E. V.

Stem rust of wheat in Peru. Phytopath. 19: 1041-1043. N.1929. no.11.

Puccinia graminis tritici.

Charles, V. K.

Coleodictyospora, a new genus of Dematiaceae. Phytopath. 19: 1051-1053. illus. N.1929. no.11.

C.cubensis, n.sp.

Dobroscky, I.D.

Is the aster-yellows virus detectable in its insect vector? Phytopath. 19: 1009-1015. illus. N.1929. no.11.

Hedgcock, G. G.

Septoria acicola and the brown-spot disease of pine needles. Phytopath. 19: 993-999. illus. N.1929. no.11.

Phytopath. (cont.)

Howlett, F. S. & May, C.
The relation of lime-sulphur sprays to the abscission of young apples. Phytopath. 19: 1001-1007. illus. N.1929. no.11.

Shear, C.L. & Bain, H.F.
Life history and pathological aspects of Godronia cassandrae Peck.(Fusicoccum putrefaciens, Shear) on cranberry. Phytopath. 19: 1017-1024. illus. N.1929. no.11.

Starrett, R. C.
A new host of sugar beet curly top. Phytopath. 19: 1031-1035. illus. N.1929. no.11.
Oxalis stricta.

Stevens, N.E. & Bain, H.F.
Storage rots of cranberries in the 1928 crop. Phytopath. 19: 1037-1039. illus. N.1929. no.11.

Taubenhaus, J.J., Exekiel, W.N. & Neblette, C.B.
Airplane photography in the study of cotton root rot. Phytopath. 19: 1025-1029. illus. N. 1929. no.11.

Werner, H. O.
Relation of time of roguing to the spread of spindle tuber in seed potato plats. Phytopath. 19: 1045-1049. N.1929. no.11.

Wilson, M. & Hahn, G.G.
The history and distribution of Phomopsis pseudotsugae in Europe. Phytopath. 19: 979-992. illus. N.1929. no.11.

Phytopath. Zeitschr. (Berlin)

Dufrenoy, J.
Réaction de cellules à la pénétration de sucoirs. Phytopath. Zeitschr. 1: 527-531. illus. 1929. no.5.

Rudorf, W.
Beiträge zur immunitätszüchtung gegen Puccinia glumarum tritici (streifenrost des weizens). Phytopath. Zeitschr. 1: 465-525. illus. pl. ii-iii (col.) 1929. no.5.

Phytopath. Zeitschr. (cont.)

Volk, A.

Die aktivierung von trockenbeizen in abhängigkeit von verschiedenen aussenfaktoren. Phytopath. Zeitschr. 1: 533-534. 1929. no.5.

Planta Arch. Wiss. Bot. (Berlin)

Berg, H.v.

Beiträge zur kenntnis der pollenphysiologie. Planta Arch. Wiss. Bot. 9: 105-143. illus. 0.25, 1929. no. 1.

Nevius, W. & Engel, H.

Die wirkung der ammoniumsalze in ihrer abhangigkeit von der wasserstoffionenkonzentration. II. Planta Arch. Wiss. Bot. 9:1-83. 0.25, 1929. no.1.

Pirschle, K.

Nitrate und ammonsalze als stickstoffquellen für höhere pflanzen bei konstanter wasserstoffionenkonzentration. Planta Arch. Wiss. Bot. 9: 84-104. illus. 0.25, 1929. no.1.

Ullrich, H.

Ueber die bewegungen der beggiatoaceen und oscillatoriaceen. II. Mitteilung. Planta Arch. Wiss. Bot. 9: 144-194. illus. 0.25, 1929. no.1.

Prakt. Blätt. Pflanzenb. u. Pflanzensch. (Freising)

Boas, F.

Fragen der grünlandsbiologie und der biologie der pflanzen überhaupt. Prakt. Blätt. Pflanzenb. u. Pflanzensch. 29: 161-167. 0.1929. no.7.

Korff, G. & Böning, K.

Bericht über das auftreten von krankheiten und schadlingen an landwirtschaftlichen kulturpflanzen im August 1929. Prakt. Blatt. Pflanzenb. u. Pflanzensch. 29: 174-176. 0.1929. no.7.

Proc. Roy. Soc. Ser. B. (London)

Tomkins, R. G.

Studies of the growth of moulds I- Proc. Roy. Soc. Ser.B. 105: 375-401. N.1929. no.738.

Progr. Agr. & Vitic. (Montpellier)

Branas,
La roussure des producteurs directs. (cont.)
Progr. Agr. & Vitic. 46: 419-424. illus.
N.3,1929. no.44.

Rives, L.
Nouvelles recherches sur le mal-nero et le court-noué. Progr. Agr. & Vitic. 46: 395-399, 424-426. O.27, N.3, 1929. no.43.

Rosella, E.
Le dépérissement des abricotiers a Roquevaire.
Progr. Agr. & Vitic. 46: 427-430. N.3,1929. no.44.

Quart. Journ. Rubber Res. Inst. Malaya.

Morris, L. E.
Experiments on the pollination of Hevea brasiliensis 2. Quart. Journ. Rubber Res. Inst. Malaya. 1: 121-124. S.1929. no.3.

Sanderson, A. R. & Sutcliffe, H.
Vegetative characters and yield of Hevea.
Quart. Journ. Rubber Res. Inst. Malaya. 1: 151-200. diagra. S.1929. no.3.

Queensl. Agr. Journ. (Brisbane)

Morwood, R. B.
Cob rot of maize. Queensl. Agr. Journ. 32: 393-397. pl.129-131. O.1, 1929. no.4.

Raboty Stavropol. Stan. Zashch. Rast. (Trav. Stat. Défense Plant. Stavropol)

Morozov, B.
... Révision des maladies des plantes d'economie rurale dans le gouvernement de Stavropol.
Raboty Stavropol. Stan. Zashch. Rast. (Trudy Stat. Défense Plant. Stavropol). no.4. 19 p. 1929.
Russian.

Rapp. Fonct. Inst. Rech. Agron. France.

France. Ministère de l'agriculture - Institut des recherches agronomiques.
Pathologie végétale. In its Rapp. Fonct. 1928: 275-295. 1929.

Rep. Comm. Cane Var., Dis. & Fert. Philipp. Sugar Assoc.

Mercado, T.
Is it possible to produce a cane variety with many eyes? Rep. Comm. Cane Var., Dis. & Fert. Philipp. Sugar Assoc. 6(1928): 58-64. illus. [1929?]

Roxas, M.L., Unite, J.O., Advincula, R., Grecia, N.D. & Gamo, E.
The selection of seedling canes followed by the breeding stations at Del Carmen and Canlubang. Rep. Comm. Cane Var., Dis. & Fert. Philipp. Sugar Assoc. 6(1928): 22-27. 3 col. pl., fold.tab. [1929?]

Unite, J. O.
Methods of breeding followed by the Philippine sugar association. Rep. Comm. Cane Var., Dis. & Fert. Philipp. Sugar Assoc. 6(1928): 28-40. [1929?]

Rep. Food Invest. Bd. Gt. Brit.

Haynes, D. & Archbold, H.K.
Chemical work on fruit. Rep. Food Invest Bd. Gt. Brit. 1928: 78-96. 1929.
Work with apples.

Horne, A. S.
Changes in the resistance of the apple fruit to fungal invasion. Rep. Food Invest Bd. Gt. Brit. 1928: 96-107. 1929.

Smith, A.J.M.
The generation of heat by respiring fruit. Rep. Food Invest. Bd. Gt. Brit. 1928: 53-56. 1929.
In his report on "The control of temperature and humidity".

Science. (Lancaster, Pa.)

Clark, E.P.
The occurrence of rotenone in the Peruvian fish poison "cube". Science. 70: 478-479. N.15, 1929. no.1820.

Spoehr, H.A.
The instruments of plant biology. Science. 70: 459-463. N.15,1929. no.1820.

Science. (cont.)

Stewart, G.
Saving time and storage in breeding sugar-beets. Science. n.s., 70: 458. N.8, 1929. no. 1819.

Weston, W.H., jr.
A useful modification of Amann's medium. Science. n.s. 70: 455. N.8, 1929. no. 1819.

Sci. Rep. Tohoku Imp. Univ. 4. Ser. Biol. (Sendai)

Kazao, N.
Cytological studies on Iris. (cont.) Sci. Rep. Tohoku Imp. Univ.,4 ser.Biol. 4: 543-549. illus. S.1929. no.3.

Tahara, M.
Oovogenesis in Coccophora langsdorfii (Turn.) Grev. Sci. Rep. Tohoku Imp. Univ., 4. ser.Biol. 4: 551-556. illus., fold.pl. xxv. S.1929. no.3.

Takeda, H.
Stimulating action of oxyphthalein colouring matters on the geotropism in rice-seedling with special reference to its effect on the growth in length. Sci. Rep. Tohoku Imp. Univ., 4. Ser. Biol. 4: 557-576. illus. S.1929. no.3.

Takamatsu, M.
Fossile koniferenhölzer aus Sendai-tertiär. I- Sci. Rep. Tohoku Imp. Univ., 4. Ser.Biol. 4: 531-542. illus., pl. xxii-xxiv. S.1929. no.3.

Seed World. (Chicago)

Oco- A new plant stimulator. Seed World. 26: 8-9. illus. N.1, 1929. no.9.

Soil Sci. (Baltimore)

Greaves, J. D.
The microflora of leached alkali soils: I- Soil Sci. 28: 341-346. N.1929. no.5.
I. Synthetic alkali soil.

So. African Gard. (Johannesburg)

Bolus, L.

Plants new and noteworthy. (cont.) So African Gard. 19: 320. illus. S.1929. no.9.

Homeria marlothii, H.lucasii, n.sp.

Marloth, R.

Eriospermums. (cont.) So.African Gard. 19: 325-326. illus. S.1929. no.9.

South. Flor. (Forth Worth, Tex.)

Brown, T.A.

Control methods for "rust" of Asparagus plumosus. South. Flor. 28(7): 9-10, 37. N.15, 1929.

Tidsskr. Planteavl. (København)

Esbjerg, N.

Forsøg med rentabiliteten ved sprøjtning af aebletraeer. I. (Experiments on the profitableness of spraying apple trees). Tidsskr. Planteavl. 35: 517-565. 1929. no.4.

English summary: p.564-565.

Jørgensen, C.A. & Weber, A.

Undersøgelser over hindbaer-staengelsyge. Tidsskr. Planteavl. 35: 582-614. illus. 1929. no.4.

Diseases of raspberry.

Tijdschr. Plantenz. (Amsterdam)

Thung, T. H.

Experimenten met Bacterium tumefaciens Sm. et Towns. Tijdschr. Plantenz. 35: 263-269. pl. xviii. 1929. no.10.

English summary: p.268.

Trans. Illinois Acad. Sci.

Bailey, A. A.

Disease in plants - a comparison with human disease. Trans. Illinois Acad. Sci. 20(1927): 328-341. Mr. 1928. (Rec'd N.1929)

Bailey, C. M.

The genus Peperomia in northeastern South America. Trans. Illinois Acad. Sci. 20(1927): 41-55. Mr. 1928 (Rec'd N.1929)

Trans. Illinois Acad. Sci. (cont.)

Colby, A. S.
Some notes on the Japanese quince. Trans. Illinois Acad. Sci. 21(1928): 176-185. illus. F.1929 (Rec'd N.)

Eddy, S.
Growth of diatoms in relation to dissolved gases. Trans. Illinois Acad. Sci. 20(1927): 63-66. Mr. 1928 (Rec'd N.1929)

Graham, V. O.
Communities of mushrooms. Trans. Illinois Acad. Sci. 20(1927): 72-76. Mr.1928(Rec'd N.1929)

Henderson, L. B.
The plants of Castle Rock. Trans. Illinois Acad. Sci. 21(1928): 144-151. F.1929 (Rec'd N. 1929)
A preliminary report.
In Ogle Co. 3 miles south of Oregon.

Jensen, J.
The native beeches in the Chicago region. Trans. Illinois Acad. Sci. 21(1928): 69-71. F.1929 (Rec'd N.)

Kienholz, R.
Revegetation after logging and burning in the Douglas fir region of western Washington. Trans. Illinois Acad. Sci. 21(1928): 94-108. F.1929. (Rec'd N.)

Lessman, L.L.
A new form of ectotrophic mycorhiza. Trans. Illinois Acad. Sci. 20(1927): 80-81. 1 pl. Mr.1928 (Rec'd N.1929)

Liebtag, C.E. & McDougall, W.B.
Ecologic foliar anatomy of some plants common to Illinois and North Carolina. Trans. Illinois Acad. Sci. 21(1928): 77-83. F.1929 (Rec'd N.)

McDougall, W. B.
The venus-flytrap (Dionaea muscipula Ellis). Trans. Illinois Acad. Sci. 20(1927): 82-84. 1 pl. Mr.1928 (Rec'd N.1929)

Trans. Illinois Acad. Sci. (cont.)

Paintin, R.D.
The morphology and nature of a prairie in Cook County, Illinois. Trans. Illinois Acad. Sci. 21(1928): 152-175. illus. (map) F.1929 (Rec'd N.)

Pepoon, H. S.
The flora of the right of way of the Illinois Central Railway. Trans. Illinois Acad. Sci. 20 (1927): 92-98. 2 pl. on 1 (maps). Mr.1928 (Rec'd N.1929)

Ridgway, R.
The ligneous flora of Richland County, Illinois. Trans. Illinois Acad. Sci. 20(1927): 105-115. Mr. 1928 (Rec'd N.1929)

Solheim, W.G. & Penfound, W.T.
A study of the algae of a freshwater stream. Trans. Illinois Acad. Sci. 20(1927): 85-91. Mr. 1928 (Rec'd N.1929)

Stover, E. L.
A method of preserving the natural color of fungus. Trans. Illinois Acad. Sci. 21(1928): 187. F.1929 (Rec'd N.)

Stover, E.L.
A method of staining microscopic slides for beginning students. Trans. Illinois Acad. Sci. 21(1928): 186. F.1929 (Rec'd N.)

Trop. Agr. (Ceylon) (Peradeniya)

Sylva, K.J.A.
Rhynchostaylis retusa Bl., the fox-tail orchid. Trop. Agr. 73: 142-143. pl. S.1929. no.3.

Trudy Lis. Desv. Ukraini (Mitt. Forst. Versuchsw. Ukraine) (Khapkiv)

Pogrebniak, P.S. & Vorobiov, D.V.
... Bestimmungstabellen der standorts- wald-und bestandestypen des Ukrainischen waldgebiet. Trudy Lis. Dosv. Spravi Ukraini (Mitt. Forst. Versuchsw. Ukraine) 11. 162 p. map. 1929.
Ukrainian.

Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot. Gen. & Plant-breed.) (Leningrad)

Doroshenko, A.I. & Rasumov, V. I.
... Photoperiodism of some cultivated forms in connection with their geographical origin. pt.2. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 22(1): 219-276. illus. 1929.
Russian with English summary.

Krassovsky, I.V.
... The root system of different varieties of flax. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 22(1): 43-195. illus. 1929.
Russian with English summary.

Maksimov, N.
... Internal factors of frost and drought resistance of plants. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 22(1): 3-41. 1929.
Russian with English summary.

Molozev, A.I.
... The influence of temperature and light on the date of flowering. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 22(1): 277-372. 1929.
Russian with English summary.

Tumanov, I. I. & Borodin, I.N.
... Investigations on frost resistance of winter crops by means of direct freezing and of indirect methods. Trudy Prikl. Bot. Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 22(1): 395-440. illus. 1929.
Russian with English summary.

Tumanov, I. I.
....Wilting and drought resistance. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-Breed.) 22(1): 107-146. 1929
Russian with English summary.

Vasil'ev, I.M.
... The investigation of drought-resistance in wheat. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 22(1): 147-218. illus. 1929.
Russian with English summary.

Ukrains. Bot. Zhurn. (Ukrainian Bot. Rev.) (Kiiv)

Illichevs'ky, S.C.
... The list of the wild-growing plants of the ancient Konstantinograd district of the government of Poltava. Ukrains. Bot. Zhurn. (Ukrainian Bot. Rev.) 5: 87-98. 1929.
Ukrainian with brief English summary.

Lepchenko, Ia.
... Uebersicht über die forschungsergebnisse auf dem gebiete der untertertiärflora der Ukraine. Ukrains. Bot. Zhurn. (Ukrainian Bot. Rev.) 5: 55-76. 1929.
Ukrainian with German summary.

Modilevs'ky, Ia.
... Die weibliche gametophyt der angiospermen. Ukrains. Bot. Zhurn. (Ukrainian Bot. Rev.) 5: 5-40. 1929.
Ukrainian with German summary.

Moiseeva, M.
... Ueber die mitogenetische strahlung von Gurwitsch. Ukrains. Bot. Zhurn. (Ukrainian Bot. Rev.) 5: 41-55. 2 pl. 1929.
Ukrainian with German summary.

Pidoplichka, M.
... Matériaux concernant la flora du département de Lougansk. Ukrains. Bot. Zhurn. (Ukrainian Bot. Rev.) 5: 76-85. 1929.
Ukrainian with French summary.

Viktorovs'ky, V.G.
... Die Indische scheinerdbeere (Duchesnea indica Focke) in der umgegend von Shitomir. Ukrains. Bot. Zhurn. (Ukrainian Bot. Rev.) 5: 85-87. 1929.
Ukrainian with German summary.

U.S. Dept. Agr. Farm Bull.

Corbett, L.C. & Mulford, F.L.
Growing annual flowering plants. U.S. Dept. Agr. Farm. Bull. 1171. rev. 62 p. illus. O. 1929 (Rec'd N.)
Plants for special soils or conditions: p.57-58.

Vict. Nat. (Melbourne)

Morris, P. F.
Ecology of Marysville and Lake Mountains.
Vict. Nat. 46: 34-42. 1 pl. Je.1929. no.2.

Nichols, W. H.
Notes on certain species of Thelymitra.
Vict. Nat. 46: 28-33. 1 pl. Je.1929. no.2.

Rayment, T. & Dower, R.
A blood-red pond. Vict. Nat. 46: 43.
Je. 1929. no.2.
Due to Euglena sanguinea.

Western Flor.

Andress, W.
California water gardens. II-III. Western Flor.
12(45): 6-7, (46): 6-7. N.7,14, 1929.
Ornamental grasses for margins and borders of ornamental waters - Members of the water lily family found growing wild in the United States - Tropical water lilies - Aquatic and semi-aquatic plants.

Marsh, W.L.
Consider the carob. Western Flor. 12(45): 4. N.7,1929.

Zapiski Belarusk. Dziarzh. Akad. Sel'sk. Gaspad. (Ann. Weissruth. Staatl. Akad. Landw. Gorky)

Renard, K.G.
Beiträge zur kenntnis des stengels verschiedener reingezüchteter linien des leines und seines verhaltens bei einem wechsel des feuchtigkeitsgehaltes des bodens. III. mitteilung. Zapiski Belarusk. Dziarzh. Akad. Sel'sk. Gaspad. (Ann. Weissruth. Staatl. Akad. Landw. Gorky) 7: 285-311. illus. 1928.(Rec'd N.1929)

Zapiski Leningr. Sel'sko-Khoz. Inst. (Mém. Inst. Agron. Léningr.)

Chizhevskaja, Z.A.
... Physiological studies on flax IV. Influence of H-ion concentration and of different amounts of $MgSO_4$ on the anatomical structure of flax. Zapiski Leningr. Sel'sko-Khoz. Inst. (Mém. Inst. Agron. Léningr.) 5(6, Bull. Plant Phys. Exp. Stat. Detsk. Sselo): 63-70. illus. 1929.
Russian with English summary.

Zapiski Leningr. Sel'sko-Khoz. Inst. (Mém. Inst. Agron. Léningr.) (cont.)

Griaev, N.D.
... Influence of different periods of Cuscuta epilinum infestation on the morphological and anatomical characters of flax with reference to certain biological traits of the weed. Zapiski Leningr. Sel'sko-Khoz. Inst. Mém. Inst. Agron. Léningr.) 5, (7, Bull. Fibre Plants Exp. Stat. Detsk. Sselo): 109-119. pl. 1929.
Russian with English summary.

Krassovsky, I.
... A study of the interrelations in the development of shoots of mandshurian barley. Zapiski Leningr. Sel'sko-Khoz. Inst. (Mém. Inst. Agron. Léningr.) 5(6, Bull. Plant Phys. Exp. Stat. Detsk. Sselo): 113-156. 1929.
Russian with English summary.

Ostrovskaja, M.K.
... Influence of pH on the development of root crops. Zapiski Leningr. Sel'sko-Khoz. Inst. (Mém. Inst. Agron. Léningr. 5(6, Bull. Plant Phys. Exp. Stat. Detsk. Sselo): 27-56. illus. 1929.
Russian with English summary.

Uspenskaja, L.
... On the development of plants as influenced by the intensity of plant competition. Zapiski Leningr.) 5(4, Bull. Meadow Exp. Stat. Detsk. Sselo): 37-54. 1929.
Russian with English summary.

Volkova, M.G.
... Contribution to the physiological characteristics of the seminal and nodal roots of oats. Zapiski Leningr. Sel'sko-Khoz, Inst.(Mém. Inst. Agron. Léningr.) 5(6, Bull. Plant Phys. Exp. Stat. Detsk. Sselo): 80-112. illus. 1929.
Russian with English summary.

V.11, no.24, p.35.

Zeitschr. Bot. (Jena)
Heldmaier, C.
Ueber die beeinflussbarkeit der sexualität von Schizophyllum commune (Fr.) und Collybia velutipes (Curt.) Zeitschr. Bot. 22: 161-220. illus. O.24, 1929. no.4.

Zeitschr. Zellforsch. & Mikrosk. Anat. (Berlin)
Kostoff, D.
An androgenic Nicotiana haploid. Zeitschr. Zellforsch. & Mikrosk. Anat. 9: 640-642. illus. O.17, 1929. no.4.
N.tabacum macrophylla x N.langsdorffii.

Der Züchter (Berlin)
Hiorth, G.
Die anwendung elektrischer beleuchtung für vererbungsversuche mit pflanzen. Der Züchter. 1: 204-209. illus. O.1929. no.7.

Kobel, F.
Die cytologischen und genetischen voraussetzungen für die immunitätszuchtung der rebe. Der Züchter. 1: 197-202. illus. O.1929. no.7.

Nebel, B.
Ueber einige obstkreuzungen aus dem jahre 1929 und zur cytologie von Malus II. Der Züchter. 1: 209-217. illus. O.1929. no.7.

Snell, K.
Die entwicklung der deutschen kartoffelzüchtung in den letzten fünf jahren. Der Züchter. 1: 224. O.1929. no.7.

Straib, W.
Die bewertung und bedeutung künstlicher rostinfektionsversuche für die pflanzenzüchtung, mit besonderer berücksichtigung des gelbrostes. Der Züchter. 1: 217-223. O.1929. no.7.

Exper. Stat. Publ.
Pope, W. T.
Mango culture in Hawaii. Bull. Hawaii Agr. Exp. Stat. 58. 27 p. 18 pl. O.1929.

Exper. Stat. Publ. (cont.)

Welton, F.A.
Sodium chlorate as a lawn weed killer. Ohio Agr. Exp. Stat. Bimonth. Bull. 141:188-190. illus. N./D.1929.

Young, H.C.
Cherry leaf spot control. Ohio Agr. Exp. Stat. Bimonth. Bull. 1414: 179-182. N./D. 1929.

Buie, T.S.
Fruit habit of the cotton plant. South Carolina Agr. Exp. Stat. Bull. 261. 54 p. O.1929.

State Publications.

Metcalf, W.
Cork oak, a forest tree with possibilities for California. Month. Bull. Dept. Agr. Calif. 18: 539-561. illus. O.1929. no.10.

New books.

Appel, O.
Taschenatlas der krankheiten des beeren-und schalenobstes. Berlin, P. Parey, 1929.
On cover: Pareys tasch natlanten 6.

Bonnier, G.
Flore complète illustrée en couleurs de France.... Suisse et Belgique... t.11 par R. Douin. fasc.101. pl. 601-606. [1929]

Boone, R. C.P.
Le cotonnier. v.1. Paris,1929.
v.1. Variétés, héredité, hybridation sélection et biotaxie du cotonnier.

Camus, E.G.
Iconographie des orchidées d'Europe et du bassin méditerranéen... Avec collaboration, pour l'anatomie et la biologie de A. Camus. Paris, 1921-29. 2 v. & atlas of 133 pl.

Cockayne, L.
The vegetation of New Zealand. 2d ed. almost entirely rewritten, thoroughly rev. and enl. Leipzig, W. Engelmann, 1928 (Die vegetation der erde ... XIV)

New books (cont.)

Ghosh, H.H.
The realm of rubber. Calcutta, J.B. Daymond, 1928.
Diseases and pests of Hevea: p.177-222.

Grout, A.J.
Moss flora of North America north of Mexico. v.3, pt.1. New Brighton, Staten Island, The author, S.1928.

Gurwitsch, A.
Methodik der mitogenetischen strahlenforschung In Abderhalden, E. Handbuch der biologischen arbeitsmethoden. Abt.V, t.2, h.13 (lfg. 305) p.1401-1470. illus. 1929.

Index kewensis plantarum phanerogamarum supplementum septimum... ab initio anni 1921 usque ad finem 1925... ductu et consilio A.W. Hill... Oxonii, e prelo Clarendoniano, 1929.

Jones, J.W.
Review of the literature on pollination, hour of blooming and natural crossing in rice. Washington, 1929.
Mimeographed publ. Off. Cereal Crops & Diseases, Bur. Plant Industry, U.S.D.A.

Kappen, H.
Die bodenaziditat. Berlin, J. Sprenger, 1929.

Mayuranathan, P.V.
The flowering plants of Madras City and its immediate neighbourhood. Madras, 1929 (Bull. Madras Gov. Mus. n.s. Nat. Hist. Sect. v.II)

Pflanzenareale... hrsg. von E. Henning & H. Winkler
2. reihe, h.5. Jena, G.Fischer,1929.
Dandy, J.E. & Good, R.D'O. Magnoliaceae. - Handel-Mazzetti, H. Lysimachima. - Herzog, T. Pilotrichaceae.

Silveira, A.A.da.
Floralia montium. Bello Horizonte, Imprensa official, 1928.
Eriocaulaceae.

V.11, no.24, p.38.

New Books.(cont.)

Westerdijk, J. & Buisman, C.

De iepenziekte... Arnhem, Nederlandsche heidemaatschappij, (1929)

Includes a description of Pseudomonas lignicola n.sp.

Correction.

List v.11, no.22, p.6.

Blumen u Pflanzenb. - The volume should be 44.

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C

Vol. 11, no. 25. Nov.25-Dec.7,1929.

Acta For. Fenn. (Helsingfors)

Cockayne, L.
Hybridism in the forests of New Zealand.
Acta For. Fenn. v.34, art.3 23 p. 6 pl. on 3. 1929.

Hayata, B.
Succession in the vegetation of Mt. Fuji.
Acta For. Fenn. v.34, art.4. 28 p. 14 pl. on 7. map. 1929.

Hertz, M.
Huomioita männyn ja kussen pituuskehityksen "vuotuisesta" ja vuorokaitisesta jaksosta (Beobachtungen über die "jahrlichen" und täglichen perioden im längenwachstum der kiefer und fichte).
Acta For. Fenn. v.34, art. 18. 26 p. 1929.
Finnish with German summary.

Heske, F.
Beitrag zur kenntnis der wald zonen des Westhimalaya. Acta For. Fenn. v.34, art.30. 30 p. 4 pl. on 2 1929.

Ilvessala, Y.
Notes on some forest (site) types in North America. Acta For. Fenn. v.34, art.39. 111 p. 16 pl. on 8. 1929.

Kokkonen, P.
Ueber das verhältnis der winterfestigkeit des roggens zur dehnbarkeit und dhenungsfestigkeit seiner wurzeln. Vorläufige mitteilung. Acta For. Fenn. v.33, art. 3. 45 p. v pl. 1927 (1929)
English summary (On the relation between the hibernation of rye and the extensibility and the tensile strength of its roots)

Kujala, V.
Die bestande und die ökologischen horizontalschichten der vegetation. Acta For. Fenn. v.34, art. 17. 26 p. 1929.

Acta For. Fenn. (cont.)

Laitakara, E.
Männyn juuristo, morfologinen tutkimus (The root system of pine (Pinus silvestris), a morphological investigation. Acta Fort. Fenn. v.33, art. 1. 330 p. L pl. on 23. 1927 (1929)

Linkola, K.
Zur kenntnis der waldtypen Estis. Acta For. Fenn. v.34, art.40. 73 p. 1929.

Sukatschew, W.
Betula cajanderii sp.n. Acta For. Fenn. v.34, art.13. 7 p. pl. 1929.

Administr. Rep. Dir. Agr. Trinidad & Toboga.

Stell, F.
Plant pathology. Adminstr. Rep. Dir. Agr. Trinidad & Tobago. 1928: 49-52. 1929.

Agr. Journ. India. (Calcutta)

Alam, M.
The problem of sterility in Indian crops and fruit trees. Agr. Journ. India. 24: 293-314. pl. xxv-xxviii. S.1929. no.5.

Banerji, I.
Studies in cotton pollen. Agr. Journ. India. 24: 332-340. pl. xxix. S.1929. no.5.

Bose, R. D.
Some freaks in oat spikelets. Agr. Journ. India. 24: 341-342. pl. xxx. S.1929. no.5.

Amer. For. & For. Life. (Wash., D.C.)

Murrill, W. A.
Evergreen oaks. Amer. For. & For. Life. 35: 756-757. illus. D.1929. no.12.

Amer. Journ. Bot.

Guthrie, J. D.
Effect of environmental conditions on the chloroplant pigments. Amer. Journ. Bot. 16: 716-746. illus. N.1929. no.9.

Munz, P.A.
Studies in Onagraceae IV. A revision of the subgenera Salpingia and Calylophis of the genus Oenothera. Amer. Journ. Bot. 16: 702-715. N.1929. no.9.

Amer. Journ. Bot. (cont.)

Reid, M. E.
Effect of variations in the amounts of available carbon and nitrogen on the growth of wheat seedlings. Amer. Journ. Bot. 16: 770-779. pl. lxix. N. 1929. no.9.

Reid, M. E.
Relation of composition of seed and the effects of light to growth of seedlings. Amer. Journ. Bot. 16: 747-769. illus. pl.lxviii. N.1929. no.9.

Sass, J. E.
The cytological basis for homothallism and heterothallism in the Agaricaceae. Amer. Journ. Bot. 16: 663-701. illus. pl.lxiv-lxvii. N. 1929. no.9.

Smith, E. C.
Some phases of spore germination of Myxomycetes. Amer. Journ. Bot. 16: 645-650. pl. lxiii. N.1929. no.9.

Taylor, W.R. & Arndt, C. H.
The marine algae of the southwestern peninsula of Hispaniola. Amer. Journ. Bot. 16: 651-662. illus. N. 1929. no. 9.

Amer. Journ. Sci. (New Haven, Conn.)

Holm, T.
Anatomy of certain species of Ilex of the sections Aquifolium and Prinos. Amer. Journ. Sci. V,18: 497-504. illus. D.1929. no.108.

Holm, T.
Medullary cork in Balsamocitrus; an anatomical study. Amer. Journ. Sci. V, 18: 505-508. illus. D. 1929. no.108.

Kryshtofovich, A.
The oldest angiosperms in the cretaceous of Asia and the other contributions to the mesozoic flora of the maritime province, Siberia. Amer. Journ. Sci. V, 18: 519-525. illus. D.1929. no.108.

Amer. Photogr. (Boston)

Klugh, A. B.
Nature and wild life. Amer. Photo. 23: 670-672. illus. D.1929. no.12.
Nature photography in December.

Amer. Potato Journ.

Heim, D. C.
Standardized potato sprays and dusts. Amer. Potato Journ. 6: 163-168. Je.1929 (Recd D.) no.6.

Kotila, J. E.
Some bud mutations of the potato. Amer. Potato Journ. 6:131-135. My.1929 (Rec'd D.) no.5.

Krantz, F. A.
Progress in breeding new varieties of white potatoes. Amer. Potato Journ. 6: 227-237. Ag.1929 (Recd D.) no.8.

Megee, C. R.
Chlorate for weed control. Amer. Potato Journ. 6: 242-244. Ag.1929. no.8.

Werner, H. O.
Effect of variable conditions within a field containing spindle-tuber plants upon the seed value of the potatoes produced. Amer. Potato Journ. 6: 168-170. Je.1929 (Rec'd D.) no.6.

Wheeler, E. J.
Potato seed disinfectants compared. Amer. Potato Journ. 6: 139-141. My.1929 (Rec'd D.) no.5.

Ann. Crypt. Exot. (Paris)

Choisy, M.
Quelques Roccella nouveaux. Ann. Crypt. Exot. 2: 66-68. pl. i. Mr. 1929. no. 1.
R.applanata, R. endocrocea, R. intermedia, n.spp.

Dodge, C. W.
A synopsis of Stereocaulon with notes on some exotic species. Ann. Crypt. Exot. 2: 93-153. Jl. 1929. no.2.

Ann. Crypt. Exot. (cont.)

Dufrénoy, J.
Les hadromycoses des etats de l'est des Etats-Unis. Ann. Crypt. Exot. 2: 158-167. illus. Jl.1929. no.2.

Dufrénoy, J.
Les Phomopsis des conifères. Ann. Crypt. Exot. 2: 168-170. Jl.1929. no.2.

Dufrénoy, J.
Récents travaux relatifs au Glomerella cingulata (Stonem) Spaulding et von Schr. et à sa forme conidienne: Colletotrichum gloeosporioides. Ann. Crypt. Exot. 2:82-84. illus. Mr.1929. no.1.

Dufrénoy, J.
Trois maladies des citrus de Floride. Ann. Crypt. Exot. 2: 79-81. illus. Mr.1929. no.1.
Psorosis, leprosis (nail head rust or scaly bark) and scab.

Hamel, G.
Contributions à la flore algologique des Antilles. Ann. Crypt. Exot. 2: 53-58. illus. Mr.1929. no.1.

Kufferath, H.
Algues et protistes muscicoles, corticoles et terrestres récoltes sur la montagne de Barba (Costa-Rica). Ann. Crypt. Exot. 2: 23-52. illus. Mr. 1929. no.1.
Cyanocloster, Echeverriopsis, Heterocyanococcus new genera and many new species.

Moreau, F.
Contribution à l'étude de la flore mycologique du Cambodge. Ann. Crypt. Exot. 2: 59-65. Mr. 1929. no.1.

Potier de la Varde, R.
Revision des travaux parus jusqu'en 1928 sur la 1928 sur la flore cryptogamique Africaine. IV. Mousses. Ann. Crypt. Exot. 2: 171-190. Jl. 1929. no.2.

Ann. Crypt. Exot. (cont.)

Potier de la Varde, R.
Observations de propagules phyllogènes chez un Fissidens d'Afrique. Ann. Crypt. Exot. 2: 154-157. illus. Jl.1929. no.2.
F. bryum.

Thériot, I.
Le genre Pseudolescheopsis. Ann. Crypt. Exot. 2: 5-22. illus. Mr.1929. no.1.

Verdoorn, Fr.
Ueber einen wichtigen beitrag zur kenntniss exotischer lebermoose. Ann. Crypt. Ext. 2: 69-78. Mr.1929. no.1.

Ann. Sci. Agron. (Paris)

Bertrand, G. & Voronca-Spirt, Mme.
Recherches sur la présence et la répartition du titane dans les plantes phanérogames. Ann. Sci. Agron. 46: 551-560. S./O. 1929 (Rec'd D.) no.5.

Ann. Appl. Biol. (London)

Berridge, E. M.
The agglutinating and plasmolytic action of the sap of the potato on various parasitic and saprophytic species of bacteria. Ann. Appl. Biol. 16: 567-577. illus. N.1929.
Studies in bacteriosis XVI.

Dillon Weston, W.A.R.
Observations during 1927-28 on the incidence of "rusts" on various selected wheat varieties, with special reference to the intensity of yellow rust, Puccinia glumarum, Eriks. and Henn. Ann. Appl. Biol. 16: 533-541. N. 1929. no.4.

Samuel, G. & Piper, C. S.
Manganese as an essential element for plant growth. Ann. Appl. Biol. 16: 493-524. illus. pl. xxii-xxiv. N.1929. no.4.

Storey, H. H.
A mosaic virus of grasses, not virulent to sugar cane. Ann. Appl. Biol. 16: 525-532. N.1929. no.4.

Ann. Appl. Biol. (cont.)

Wilson, G. F.

Pollination of hardy fruits: insect visitors to fruit blossoms. Ann. Appl. Biol. 16: 602-639. illus. N. 1929. no.4.

Woodward, R.C. & Dillon Weston, W.A.R.

Treatment of sugar beet "seed" to prevent seedling diseases. Ann. Appl. Biol. 16: 542-566. pl. xxv. N.1929. no.4.

Annuaire Agr. Suisse.

Faes, H.

Les parasites, insectes et champignons, des arbres fruitiers, Résultats des traitments d'hiver de printemps et d'été effectues au cours de l'année 1928. Annuaire Agr. Suisse. 30: 125-148. illus. 1929. no.2.

Ann. Rep. Dept. Agr. Malta.

Borg, P.

Report on work done in connection with plant pathology during the year 1928/29. Ann. Rep. Dept. Agr. Malta. 1928/29: xii-xv. 1929.

Arb. Biol. Reichsanst. Land- u. Forstw. (Berlin)

Merkenschlager, F. & Klinkowski, M.

Zur biologie der kartoffel. II. Zur pathologie der blattrollkrankheit. Arb. Biol. Reichsanst. Land- u. Forstw. 17: 345-376. illus. Jl.1929. no.4.

Wartenberg, H.

Zur biologie der kartoffel. III. Ueber die wirkung der kalidungung auf die frostempfindlichkeit der kartoffelpflanze. Arb. Biol. Reichsanst. Land- u. Forstw. 17: 377-384. illus. Jl.1929 no.4.

Arch. de Bot. Caen. Bull. Mens.

Benoist, R.

Une acanthacée de la Nouvelle-Caledonie. Arch. de Bot. Caen Bull. Mens. 3: 63-64. Mr./Ap.1929 (Recd D.) no.3/4.

Pseuderanthemum incisum.

Arch. de Bot. Caen. Bull. Mens. (cont.)

Braun-Blanquet, J.

Poa granitica, nouvelle graminée de l'Europe centrale. Arch. de Bot. Caen Bull. Mens. 3: 46-48. Mr./Ap.1929 (Rec'd D.) no.3/4.

Keller, P.

Analyse pollinique de la tourbière de Pinet. Arch. de Bot. Caen. Bull. Mens. 3: 57-63. illus., pl. 1. Mr./Ap. 1929 (Rec'd D.) no.3/4.

Litardière, R.de.

Notes sur la végétation muscinale des pozzines du Coscione (Corse). Arch. de Bot. Caen Bull Mens. 3: 40-45. Mr./Ap. 1929 (Rec'd D.) no.3/4.

Viguier, R.

Marcel Denis (1897-1929). Arch. de Bot. Caen. Bull. Mens. 3:33-40. port. Mr./Ap. 1929 (Rec'd D.) no.3/4.

Travaux scientifiques de M. Denis: p.38-40.

Arch. Inst. Biol. Difesa Agr. São Paulo.

Hoehne, F. C.

Contribuições para o conhecimento da flora orchidololgica brasilica I. Arch. Inst. Biol. Difesa Agr. São Paulo. 2: 5-52. pl. 1-10. 1929.

Pleurothallis & Octomeria.

English abstract: p.52.

Arch. Rubbercult. Nederl.-Ind. (Batavia, Java)

Schweizer, J.

Over selectie van Hevea brasiliensis in verband met erfelijkheid van de groeikracht. (The selection of Hevea brasiliensis in connection with heredity of growth velocity) Arch. Rubbercult. Nederl. Ind. 13: 530-589. 2 pl. O.1929. no.10.

English summary: p.589.

Atti R. Accad. Naz. Lincei VI, Rend. Cl. Sci. Fis. Mat. e Nat. (Rome)

Curzi, M.

Su una "pseudocarie" delle cariossidi di frumento. Atti R. Accad. Naz. Lincei VI, Rend. Cl. Sci. Fis. Mat. e Nat. 10: 224-228. 1929. no.3/4.

Acremoniella sp.

Atti. R. Accad. Naz. Lincei VI, Rend. Cl. Sci. Fis. Mat. e. Nat. (cont.)

Sani, G.
Intorno all'attività riduttrice delle radici delle graminacee; la riduzione del nitrato di calcio per le radici delle graminacee. Nota III. Atti R. Accad. Naz. Lincei VI, Rend. Cl. Sci. Fis., Mat. e Nat. 10: 197-201. 1929. no.3/4.

Savelli, R. & Soster, N.
Variazioni brusche nella forma fogliare di Cannabis sativa L. Atti R. Accad. Naz. Lincei VI, Rend. Cl. Sci. Fis., Mat.e Nat 10: 205-211. illus. 1929. no.3/4.

Ber. Deut. Bot. Ges. (Berlin)

Alexandrov, V. G.
Beiträge zur kenntnis des gefässbundels der dikotylen krautpflanze. Ber. Deut. Bot. Ges. 48: 451-460. illus. 0.24, 1929. no.7.

Arland, A.
Zur methodik der transpirationsbestimmung am standort. Ber. Deut. Bot. Ges. 48: 474-479. 0.24, 1929. no. 7.

Dostál, R.
Zur proritat der entdeckung der Caulerpa-fortpflanzungsorgane. Ber. Deut. Bot. Ges. 48: 507-514. illus. 0.24,1929. no.7.

Föyn, B.
Untersuchungen über die sexualität und entwicklung von algen IV. Vorläufige mitteilung über die sexulität und den generationswechsel von Cladophora und Ulva. Ber. Deut. Bot. Ges. 48: 495-506. illus. 0. 24, 1929. no.7.

Frey, A.
Theorie des blutens. Ber. Deut. Bot. Ges. 48: 434-450. 0.24,1929. no.7.

Hartmann, M.
Untersuchungen über die sexualität und entwicklung von algen.III. Ueber die sexualität und den generationswechsel von Chaetomorpha und Enteromorpha. Ber.Deut. Bot.Ges. 48: 485-494. illus. 0.24,1929. no.7.

Ber. Deut. Bot. Ges. (cont.)

Heinricher, E.
Blutenvergrungung bei Primula. Ber. Deut. Bot. Ges. 48: 480-484. illus. O.24,1929. no.7.

Jost, L.
Ueber die blüte von Mormodes. Ber. Deut. Bot. Ges. 48: 515-522. illus. O.24,1929. no.7.

Lilienstern, M.
Physiologische untersuchung über die ursachen des vorkommens von Marchantia polymorpha L. auf feuerstätten. Ber. Deut.Bot. Ges. 48: 460-468. illus. O.24, 1929. no. 7.

Wangerin, W.
Ueber eine auffällige traumatonastische reaktion bei Erysimum hieraciifolium L. Ber. Deut. Bot. Ges. 48: 469-474. illus. O.24,1929. no.7.

Biochem. Zeitschr. (Berlin)

Magistris, H. & Schafer, P.
Zur biochemie und physiologie organischer phosphorverbindungen in pflanze und tier. I-II mitt. Biochem. Zeitschr. 214: 401-439, 440-481. O.1929. no.4/6.
I. Ueber die phosphatide und lecithide aus der ackerbohne (Vicia faba II. Studien über austritt von wasserunlöslichen phosphatiden und zellfarbstoff bei der roten rübe (Beta vulgaris rapa f. rubra)

Zaleski, W. & Schatalowa-Zaleski, E.
Beiträge zur frage des hexosenabbaues in der pflanze. V. mitteilung: Ueber den gehalt und die wirksamkeit der oxydoreduktase in der pflanze. Beiträge zur frage nach dem zusammenhang von anoxybiose und oxybiose. Biochem. Zeitschr. 214; 343-356. O.1929. no.4/6.

Blumen u. Pflanzenb. (Berlin)

Brassler, K.
Pilzkrankheiten des alpenveilchens. Blumen u. Pflanzenb. 44: 207-208. illus. N.5,1929. no.11.
Botrytis cinerea, Septoria cyclaminis.

Bol. Estac. Exp. Agron. Cuba. (Habana)

Roig y Mesa, J. T.

Diccionario botanico de nombres vulgares cubanos v. 2-3. Bol. Estac. Exp. Agron. Cuba. no.54, pt.2-3 (p.249-897) pl. ix-xlviii. 1928.

Bol. Min. Agr. Nac. Argentine.

Marchionatto, J. B.

La lucha contra el "carbón volador" del trigo (Ensayos de orientación). Bol. Min. Agr. Nac. Argentine. 28: 229-230. Ap./Je.1929 (Rec'd N.) no.2.

Klein, C.

Estudio sobre las caracteristicas de 12 variedades de trigos de pedigree y la posibilidad de identificarlos por el grano. Bol. Min. Agr. Nac. Argentine. 28: 151-159. illus. Ap./Je.1929 (Rec'd N.) no.2.

Bryologist. (Pittsburg)

Brown, M. S.

Bryophytes of Nova Scotia. Bryologist. 32: 50-56. My.1929 (Rec'd N.) no.3.

Dupret, H.

Three brachythecia hard to separate from one another. Bryologist. 32: 73-74. illus. Jl. 1929 (Rec'd N.) no.4.

B.rivulare, B. rutabulum, B. starkei.

Flowers, S.

A preliminary list of Utah mosses. Bryologist. 32: 74-83. Jl.1929 (Rec'd N.) no.4.

Györffy, I.

Novitas bryologica V. Bryologist. 32: 62-65. illus. pl. iii-iv. My.1929 (Rec'd N.) no.3.

English abstract p.65.

Henry, L.K.

The effect of the environment upon mosses. Bryologist. 32: 84-87. Jl.1929 (Rec'd N.) no.4.

Summary of a series of articles in the Rev. Gén. Bot. "L'action du milieu sur les mousses" by M. Adrien Davy de Virville.

Bryologist. (cont.)

MacFadden, F. A.
British Columbia the bryologist's paradise. Bryologist. 32: 56-61. My.1929 (Rec'd N.) no.3.

Merrill, G. K.
A new list of Alaskan lichens in the genus Cladonia. Bryologist. 32: 41-50. My.1929. (Recd N.) no.3.

Moxley, E. A.
Mosses of the Bruce Peninsula, Ontario. Bryologist. 32: 84. Jl.1929. (Recd N.) no.4.
Additional to the list published in "The moss flora of North Gray County and part of the Bruce Peninsula, Ontario"

Professor John M. Holzinger. Bryologist. 32: 68. My.1929 (Rec'd N.)

Van Wert, M. C.
A sylvan dell near Minnehaha Falls. Bryologist. 32: 71-73. Jl. 1929 (Recd N.) no.4.

Williams, R. S.
Macromitrium portoricense sp.nov. Bryologist. 32: 69-70. pl.v. Jl.1929 (Recd N.) no.4.

Bull. Amer. Peony Soc.

Glassock, L.D.
Hybridizing peony species. Bull. Amer. Peony Soc. 22: 25-28. S.1929. no.39.

Weinard, F. F.
Problems of peony growers. Bull. Amer. Peony Soc. 22: 15-18. S.1929. no.39.

Bull. Dept. Agr. So. Austr.

Quinn, G.
The almond in South Australia. Bull. Dept. Agr. So. Austr. no.220. 19 p. illus. 1929.

Bull. For. Exp. Stat. Chosen.

Tozawa, M. & Nakai, T.
Atlas illustrating geographical distribution of Korean woody plants and bamboos. pt. I. Bull. For. Exp. Stat. Chosen. no.10. 25 maps. (93x58.5cm.) Ap.1929.
I. Climatically favourable regions.

Bull. Mens. Soc. Nat. Hort. France. (Paris)

Cayeux, H. & Cayeux, L. F.
Note sur les sports chez le dahlia et leur fixation. Bull. Mens. Soc. Nat. Hort. France. V,2: 546-549. illus. O.1929.

Bull. Soc. Chim. Biol. (Paris)

Bach, D.
L'évolution de l'asparaginase dans les cultures de l'Aspergillus niger. Bull. Soc. Chim. Biol. 11: 995-1006. S.1929. no.8.

Bach, D.
Evolution de l'urease dans les cultures de l'Aspergillus niger. Bull. Soc. Chim. Biol. 11: 1007-1015. S.1929. no.8.

Bach, D.
L'urease et l'asparaginase de l'Aspergillus niger sont-elles des endo-diastases? Bull. Soc. Chim. Biol. 11: 1016-1024. S.1929. no.8.

Bonnet, R.
L'evolution de l'azote au cours de la germination. Bull. Soc. Chim. Biol. 11: 1025-1061. S.1929. no.8.

Butl. Inst. Catalana Hist. Nat. (Barcelona)

Cuatrecasa, J.
En Romualdo González Fragoso. Butl. Inst. Catalana Hist. Nat. 9: 49-51. Ja./F.1929 (Recd N.) no.1/2.

Pujiula, J.
Un fenómeno de hidrotropismo. Butl. Inst. Catalana Hist. Nat. 9: 82-84. illus. Ap./My. 1929 (Rec'd N.) no.4/5.

Pujiula, J.
Observaciones en la germinación del haba (Vicia faba L.) Butl. Inst. Catalana Hist. Nat. 9: 25-26. Ja./F.1929 (Rec'd N.) no.1/2.

Calif. Citrogr. (Los Angeles)
Basinger, A. J.
Some factors causing the dropping of Valencia oranges. Calif. Citrogr. 15: 52, 100. illus. D.1929. no.2.

Compt. Rend. Acad. Agr. France. (Paris.)
Miège, E.
Particularités des barbes de céréales. Compt. Rend. Acad. Agr. France. 15: 915-917. N.6, 1929. no.26.

Compt. Rend. Acad.Sci. Paris.
Dangeard, P.
Sur quelques algues iodifères nouvelles. Compt. Rend. Acad. Sci. Paris. 189: 862-864. N.18, 1929. no.21.

Labrousse, F. & Sarejanni, J.
Changements de réaction et phénomènes d'oxydo-réduction observés au cours du développement de quelques champignons. Compt. Rend. Acad. Sci. Paris. 189: 805-808. N.12, 1929. no.20.

Sabetay, S.
Sur la présence de la -ionone dans un produit naturel. Compt. Rend. Acad. Sci. Paris. 189: 808-809. N.12, 1929. no.20.
Essence of Boronia. Boronione identical with ionone.

Compt. Rend. Soc. Biol. Paris.
Mazé, P.
L'infection du maïs par le charbon (Ustilago maidis) sous l'influence du milieu. Compt. Rend. Soc. Biol. Paris. 102: 498-499. N.15, 1929. no.30.

Country Gentleman. (Philadelphia)
Cutting, M. C.
Breeding new fruits for the Northwest. Country Gentleman. 94(12): 20-21, 56, 58. illus. D. 1929. no.12.

Deut. Landw. Presse. (Berlin)
Görbing, J. & Hessberg, O.von.
Die verspätete kalkung auf wiesen und ihre wirkung auf die wiesenpflanzen. Deut. Landw. Presse. 56: 645. illus. N.9,1929. no.45.

Ernähr. Pflanze. (Berlin)
Khoss-Steinegg, R.von.
Die ersten kartoffeln in Oesterreich. Ernähr. Pflanze. 25: 515-516. illus. N.1,1929. no.21.

Flor. Exch. (N.Y.)
Nearing, G. G.
A trio of rare hollies, so attractive and useful that they should be more abundant. Flor. Exch. 72: 11. illus. N.30,1929. no.13.
Ilex pernyi, I. cornuta, I. fargesi.

Henry Nehrling. Flor. Exch. 72: 39. port. N.30, 1929. no.13.

Flor. Rev. (Chicago)
Chadwick, L. C.
Use of chemicals in propagation. Flor. Rev. 65: 29-30. N.28, 1929. no.1670.
Experiments at Cornell; with chemical compounds as stimulating agents (potassium permangante & sucrose); as to influence of different media on root development; the position of the cut as related to the position and formation of roots.

For. Leaves.
Clepper, H. E.
White pine blister rust in Pennsylvania. For. Leaves. 22: 86-87. D.1929. no.6.

Gard. Chron. (London)
Anderson, A. W.
Some choice New Zealand shrubs. Gard. Chron. III, 86: 408. N.23,1929. no.2239.
Entelea arborescens, Ixerba brexioides, Clianthus puniceus.

Darnell, A. W.
The genus Primula (cont.) Gard. Chron. III, 86: 388, 404-405. N.16,23, 1929. no.2238-2239.

Gard. Chron. (cont.)

Friend, H.
Problems of plant life. XIII. The enigma of dew. Gard. Chron. III, 86: 406. N.23, 1929. no.2239.

Grove, A.
Lilium candidum var. peregrinum. Gard. Chron. III, 86: 386-387. N.16,1929. no.2238.

Hosking, A.
Plant variations. Sports, chimaeras, variegation and mutations. (cont.) Gard. Chron. III, 86: 385, 405. illus. N.23,1929. no.2238-2239.

Hybrid barberries at Wisley. Gard. Chron. III. 86: 387-388. illus. N.16,1929. no.2238.
Signed F.

Redgrove, H. S.
Colour in the plant world. Gard. Chron. III, 86: 383-384. N.16,1929. no.2238.

Ward, F. K.
Mr. F.Kingdon Ward's tenth expedition in Asia. XXXV. The conquest of Polon. Gard. Chron. III, 86: 406-407. illus. N.23,1929. no.2239.

Gartn.-Tid. (København)

Weber, A.
Planteskolernes pligt. Gartn.-Tid. 45: 631-634. illus. N.19,1929. no.47.
Diseases of nursery plants.

Genetics. (Menasha, Wisc.)

Brink, R. A.
An enzyme difference associated with the waxy gene in maize. Genetics. 14: 569-590. N. 1929. no.6.

Buchholz, J. T. & Blakeslee, A. F.
Pollen-tube growth in crosses between balanced chromosomal types of Datura stramonium. Genetics. 14: 538-568. pl.i. N.1929. no.6.

Genetics. (cont.)

Hutchinson, J. B.
The application of the "method of maximum likelihood" to the estimation of linkage. Genetics. 14: 519-537. N.1929. no.6.

Illick, J. T.
A cytological study of meiosis in the pollen mother cells of some Oenotheras. Genetics. 14: 591-633. pl. 1-5. N.1929. no.6.

House & Gard. (Greenwich, Conn.)

Wilder, L. B.
The garden books of John Evelyn. House and Gard. 56(6): 94, 154, 156. illus. D.1929. no.6.

Wilson, E. H.
Hollies of the world and their place in gardens. House and Gard. 56(6): 96-97, 148, 150,152. illus. D.1929. no.6.

Indian For. (Dehra Dun)

Blatter, E.
The Indian bamboos brought up-to-date. (cont.) Indian For. 55: 586-613. N.1929. no.11.
"Additional notes" by R.N. Parker: p.612-613.

Gorrie, R. M.
A destructive parasite on the Himalayan blue pine. Indian For. 55: 613-617. pl.31. N. 1929. no.11.
Arceuthobium minutissimum.

Journ. For. (Wash., D.C.)

Roeser, J.jr.
The occurrence of "pitch girdle" in sapling Douglas fir stands on the Pike National Forest. Journ. For. 27: 813-820. N.1929. no.7.
Cause undetermined, thought to be a fungus.

Izv. Bulg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie) (Sofia)

Arnaudow, N.
Ueber die knöllchenbildung bei heimischen papilionaceen-arten. Izv. Bulg. Bot. Druzh. Bull. Soc. Bot. Bulgarie) 3: 10-26. 1929.

Izv.Bulg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie) (cont.)

Atanasov, D. & Kovachevski, Khr.
... New parasitic fungi of Bulgaria. Izv. Bulg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie) 3: 45-52. 1929.
Bulgarian with English summary.

Barsakoff, B.
... Einige für Bulgarien neue pilzarten. Izv. Bulg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie) 3: 87-91. 1929.
Bulgarian with very brief German summary.

Bukoreshchliev, B.
... Versuch einer bodenklassification naeh(!) der unkrautvegetation. Izv. Bulg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie). 3: 93-117. 1929.
Bulgarian with German summary.

Degen, A.
Rosae bulgaricae a ci. Iv. K. Urumov lectae. Izv. Bulg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie) 3: 93-94. 1929.

Dimitrov, T.
... Revue des publications sur le Pinus peuce Grisb. depuis 1841 jusqu'a 1928. Izv. Bulg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie) 3: 295-302. 1929.
Bulgarian with French summary.

Hermann, F.
Nachtrag zur flora des Piringebirges in Bulgarien. Izv. Bulg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie). 3: 54-55. 1929.

Hermann, F., Stojanoff. N., Stefanoff, B. & Georgieff, T.
Neuer beitrag zur flora Bulgariens. Izv. Bulg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie) 3: 277-278. 1929.

Ivanov, I.
... Die ursachen der entartung des hartweizens, Triticum durum Desf. in Bulgarien. Izv. Bulg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie) 3: 125-157. illus. 1929.
Bulgarian with German summary (p.150-156).

Izv. Bulg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie) (cont.)

Jordanov, D.
... Bemerkungen über die flora Bulgariens.
Izv. Bulg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie)
3: 65-75. (incl.map) 1929.
Bulgarian with German summary.

Jordanov, D.
... Neuer kleiner beitrag zur flora Bulgariens.
Izv. Bulg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie)
3: 285-291. 1929.
Bulgarian with German summary.

Khristov, N.
... Cytological studies on some species of Vitaceae. Izv. Bulg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie). 3: 279-283. illus. 1929.
Bulgarian with English summary.

Petkov, S.
... Zuelques especes nouvelles et carácteristiques pour la flora algologique du mont Pirin.
Izv. Bulg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie)
3: 29-40. pl. 1929.
Bulgarian with French summary.

Stefanov, B.
... Ueber die systematische verwandtschaft der Picea omorica (Panc.) Willk. in verbindung mit der klassifikation der gattung Picea. Izv. Bulg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie) 3: 159-170. 1929.
Bulgarian with German summary.

Stojanov, N.
Ergebnisse eines frühlingsausfluges in Bulgarisch-Macedonien. Izv. Bulg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie) 3: 57-64. 1929.

Stranski, I. T.
... Ueber den spelzweizen in Bulgarien.
Izv. Bulg. Bot. Druzh. (Bull. Soc. Bot. Bulgarien).
3: 171-276. illus. 1929.
Bulgarian with German summary (p.251-273)

Izv. Bulg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie) (cont.)

Turrill, W. B.
Modern methods in taxonomic botany. Izv. Bulg. Bot. Druzh.(Bull. Soc. Bot. Bulgarie) 3: 119-124. 1929.

Urumov, Iv.K.
Rubi bulgaricae. Izv. Bulg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie) 3: 27-28. 1929.

Journ. Agr. Prat. (Paris)

Lesourd, F.
Histoire des plantes. (cont.) Cichorium intybus. Journ. Agr.Prat. n.s., 52(2): 377-379. illus. N.9,1929. no.45.

Journ. Agr. Res. (Washington, D.C.)

Brown, N. A.
The tendency of the crown-gall organism to produce roots in conjunction with tumors. Journ. Agr. Res. 39: 747-766. illus. N.15,1929.(Rec'd N.27) no.10.

Haller, M. H.
Changes in the pectic constituents of apples in relation to softening. Journ. Agr. Res. 39: 739-746. N.15, 1929 (Rec'd N.27) no.10.

Lehman, S. G. & Woodside, J. W.
Varietal resistance of soybean to the bacterial pustule disease. Journ. Agr. Res. 39: 795-805. N.15, 1929. (Rec'd N.27) no.10.

Journ. Arnold Arb.

White, C. T.
Ligneous plants collected in the territory of Papua (British New Guinea) in 1925-26 by L.J. Brass. Journ. Arnold Arb. 10: 197-274. O.1929. no.4.

Journ. Biol. Chem. (Baltimore)

Link, K.P., Dickson, A.D. & Walker, J.C.
Further observations on the occurrence of protocatechuic acid in pigmented onion scales and its relation to disease resistance in the onion. Journ. Biol. Chem. 84: 719-725. N.1929. no.2.

V.11, no.25, p.21.

Journ. Bot. (London)

Ardagh, J.
"Benardgreyn", Journ.Bot. 67: 307-308. N.1929. no.803.
Bibliographical notes:XCIV.
Name of locality given by Lobel for Pulicaria vulgaris, said to be "Baynard's Watering", part of Westbourne river now merged in the Serpentine.

Bennett, A., Salmon, C.E. & Matthews, J. R.
Second supplement to Watson's "Topographical botany". (cont.) Journ. Bot. 67(Suppl.): 41-48. N.1929. no.803.

Lacaita, C. C.
Duriaei iter asturicum botanicum. (cont.) Journ. Bot. 67: 310-318. N.1929. no.803.

Godfery, M. J.
Recent observations on the pollination of Ophrys. Journ. Bot. 67: 298-302. N.1929. no.803.

St. John, H.
Calluna vulgaris, recent adventive on Sable Island, Nova Scotia. Journ. Bot. 67: 306-307. N.1929. no.803.

Seward, A. C.
Botanical records of the rocks: with special reference to the early Glossopteris flora. Journ. Bot. 67: 289-298. N.1929. no.803.

White, C. T.
William Vincent Fitzgerald. Journ. Bot. 67: 309. N.1929. no.803.

Journ. Indian Inst. Sci. (Madras)

Patwardhan, V. N.
Amylase from Zea mais. Journ.Indian Inst. Sci. 12A: 185-190. [1929] no.13.

Journ. Indian Inst. Sci. (cont.)
Patwardhan, V. N.
Enzymes from the seeds of Caesalpinia bonducella. Journ. Indian Inst. Sci. 12A: 191-192. [1929] no.13.

Journ. Landw. (Berlin)
Denny, F. E.
Der einfluss des thioharnstoffs auf die gipfelaugenentwicklung und auf die vieltriebigkeit der kartoffelaugen. Journ. Landw. 77: 219-222. pl.i-ii. O.1929. no.3.

Kisérl. Közlem. (Bull. Stat. Agron. Hongr.) (Budapest)
Krenner, A.
Megfigyelések a Magyarországon 1926-1928, években jelentkezett növénybetegségekröl. (Observations on plant diseases occurred in Hungary during the period 1926-1928. Kisérl. Közlem (Bull. Stat. Agron. Hongr.) 32: 396-404. Ag.1929 no.3.
English summary: p.403-404.

Kranke Pflanze. (Dresden)
Moll, F.
Der hausschwamm. Kranke Pflanze. 6: 183-186. O./N. 1929. no.10/11.

Maataloustiet. Aikak. [Agric. Mag.] (Helsingfors)
Hintikka, T. J.
Perunasyöpätutkimuksen ja -torjunnan suuntaviivoista (Ueber die kartoffelkrebsforschung und -bekämpfung). Maataloustiet. Aikak.]Agric. Mag.] 1: 49-59. 1929. no.1/2.

Malayan Ti . & Rubber Journ. (Ipak, Perak, Fed. Malay St.)
Murray, R. K. S.
Oidium leaf disease, its occurrence and significance in Ceylon. Malayan Tin & Rubber Journ. 18: 1227-1236. O.31,1929. no.20.
Malaya not affected, great increase reported in Java.

Matières Grass. (Paris)
Wildeman, E.de.
Autranella ou Mimusops. Matières Grass. 21: 8671. N.15,1929. no.259.

Missouri Bot. Gard. Bull. (St.Louis)
The history of the cultivated chrysanthemum. Missouri Bot. Gard. Bull. 17:138-145. pl.32. N.1929. no.9.

Monatsschr. Deut. Kakteen-Ges. (Berlin)
Günther, W.
Das rätsel der cristata-bildung. Ein beitrag zur erforschung und lösung des krebsproblems. Monatsschr. Deut. Kakteen-Ges. 1:219-229. illus. N.1929. no.11.

Tischer, A.
Aus N. E. Browns Mesembrianthemum-studien. (cont.) Monatsschr. Deut. Kakteen-Ges. 1: 233-234. N. 1929. no.11.

Werdermann, E.
Echinocactus gielsdorfianus Werd. n.sp. Monatsschr. Deut. Kakteen-Ges. 1: 215-216. illus. N.1929. no. 11.

Nat. Geogr. Mag.
Douglass, A. E.
The secret of the southwest solved by talkative tree rings. Nat. Geogr. Mag. 56: 737-770. illus. D.1929. no.6.

Nat. Hist. (N.Y)
Howes, P. G.
The mountains of Dominica. The two highest mountains in the Lesser Antilles, Diablotin and Trois Pitons, on which plant life is still in the process of ascent and increase. Nat. Hist. 29: 595-610. illus. N./D. 1929. no.6.

Naturforsch. (Berlin)
Morton, F.
Allerlei von der banane. Naturforsch. 6: 289-292. N.1929. no.8.

V.11, no.25, p.24.

New Zealand Journ. Sci. & Techn. (Wellington, N.Z.)

Fraser, W. M.
Notes on a visit to Three Kings Islands.
New Zeal. Journ. Sci. & Techn. 11:148-156.
illus. O.1929. no.3.
Vegetation: p.152.

Obst- u. Gemüseb. (Berlin)

Heine, C.
Die einwirkung des frostes winter 1928-29 auf unterlage und sorten der süsskirschenbäume im mitteldeutschen kirschenanbaugebiet. Obst- u. Gemüseb. 75: 188-191. illus. O.16, 1929. no.10.

Kotte, W.
Der bakterienkrebs, eine für Deutschland neue tomatenkrankheit. Obst- u. Gemuseb. 75: 186-183. illus. O.16, 1929. no.10.
Aplanobacter michiganensis.

Plant Physiology. [Omitted from earlier List]

Andrews, F.M.
The effect of temperature on flowers. Plant Physiology. 4: 281-284. illus. Ap.1929 (Rec'd Jl.) no.2.

Andrews, F.M.
Wilhelm Pfeffer. Plant Physiology 4: 285-288. illus. port. (pl. iv) Ap.1929 (Rec'd Jl.) No.2.

Halma, F.F. & Haas, A.R.C.
Identification of certain species of citrus by colorimetric tests. Plant Physiology. 4: 265-268. Ap.1929. (Rec'd Jl.) no.2.

Holtz, H. F. & Larson, C.
A simple method for nitrate nitrogen determination in wheat plants. Plant Physiology. 4: 288-291. Ap. 1929. (Rec'd Jl.) no.2.

Lee, A.
The toxic substance produced by the eye-spot fungus of sugar cane, Helminthosporium sacchari Butler. Plant Physiology. 4:193-212. illus. Ap.1929 (Rec'd Jl.) no.2.

Plant Physiology (cont.)

Lincoln, F.B. & Mulay, A.S.
The extraction of nitrogenous materials from pear tissues. Plant Physiology. 4: 233-250. Ap.1929 (Rec'd Jl.) no.2.

Murneek, A. E.
Hemicellulose as a storage carbohydrate in woody plants, with special reference to the apple. Plant Physiology. 4: 251-264. illus. Ap.1929. no.2. (Recd Jl.)

Sprague, H. B. & Shive, J. W.
A study of the relations between chloroplast pigments and dry weights of tops in dent corn. Plant Physiology. 4: 165-192. Ap.1929 (Rec'd Jl.) no.2.

Teakle, L.J.H.
The absorption of phosphate from soil and solution cultures. Plant Physiology. 4: 213-232. illus. Ap.1929 (Recd Jl.) no.2.

Proc. K. Akad. Wetensch. Amsterdam.

Coelingh, W.
Aggregation-substance in the terminal glands of Drosera. Proc. K. Akad. Wetensch. Amsterdam. 32: 973-977. 1929. no.7.

Honert, T. H. van den
Studies on limiting factors in carbon dioxide assimilation. Proc. K. Akad. Wetensch. Amsterdam. 32: 1008-1021. illus. 1929. no. 7.

Progr. Agr. & Vitic. (Montpellier)

Bènes, G.
Observations sur le court-noué. Progr. Agr. et Vitic. 92: 494-495. N.24, 1929. no.47.

Rives, L.
Nouvelles recherches sur le mal-nero et le court-noué (cont.) Progr. Agr. et Vitic. 46: 448-454. N.10,1929. no.45.

Publ. Puget Sound Biol. Sta. (Seattle, Wash.)

Angst, L.
Observations on the development of zoospores and gametes in Pleurophycus gardneri. Publ. Puget Sound Biol. Stat. 7: 39-48. illus. N.1, 1929.

Lund, E. J.
Electric polarity in the Douglas fir. Publ. Puget Sound Biol. Sta. 7: 1-28. illus. N.1, 1929.

Lund, E. J.
The relative electrical dominance of growing points in the Douglas fir. Publ. Puget Sound Biol. Sta. 7: 29-37. illus. N.1,1929.

Phifer, L. D.
Littoral diatoms of Argyle Lagoon. Publ. Puget Sound Biol. Sta. 7:137-149. illus. N.1,1929.

Publ. Staz. Sper. Bari.

Verdesca, S.
Andamento climatico e attacco delle ruggini sui cereali. Publ. Staz. Sper. Bari. no.14. 33 p. diagrs. 1929.

Verdesca, S.
Recettività delle varietà di frumento per le ruggini. Publ. Staz. Sper. Bari. no.15, 49 p. 1929.

Repert. Spec. Nov. Beih. (Dahlem)

Schlechter, R. & Mansfeld, R.
Die orchideenfloren der sudamerikanischen Kordillerenstaaten... Figuren-atlas. Report. Spec. Nov. Beih. 57, pt.2, pl.49-96. 1929.

Revista Industr. Bogota.

Toro, Rafael A.
Una nueva enfermedad de la alfalfa. Revista Industr. Bogota. 6: 121-122. illus. S.1929. no164.
Pseudopeziza medicaginis.

V.11, no.25, p.27.

Revista Industr. Bogota. (cont.)

Toro, R.A.

El polvillo del trigo. Revista Industr. Bogota. 6: 120-121. illus. S.1929. no.64.

Rev. Bot. Appl. (Paris)

Ducke, A.

Notes sur le genre Hevea Aubl. Rev. Bot. Appl. 9:623-630. pl.xvi-xviii. O.1929. no.98.

H. marginata, H. huberiana, H. humilior, n.sp.

Maire, R.

Louis Trabut. Rev. Bot. Appl. 9:613-620. pl. xv (port.) O.1929. no.98.

Rev. Gén. Bot. (Paris)

Chalaud, G.

Le cycle évolutif de Fossombronia pusilla Dum. (suite). Rev. Gén. Bot. 41: 539-554, 606-621. illus. 1929. no.489, 490.

Chalaud, G.

Qu'est-ce que le périgyne des hépatiques? Rev. Gén. Bot. 41: 536-540. 1929. no.489.

Davy de Virville, A.

Husnot, 1840-1929. Rev. Gén. Bot. 41: 529-535. port. 1929. no.489.

Index bibliographique des principaux travaus de T. Husnot: p.534-535.

Loubière, A.

Étude anatomique et comparée du Leptotesta grand'euryi n.gen., n.sp. (Graine silicifiée du Pecopteris pluckeneti Schlotheim). Rev. Gén. Bot. 41: 593-605. pl.12. 1929. no.490.

Michel-Durand, E.

Recherches physiologiques sur les composés tanniques. (suite). Rev. Gén. Bot. 41: 582-592, 637-652. S., O., 1929. no.489, 490.

Obaton, F.

Évolution de la mannite (mannitol) chez les végétaux. (fin.) Rev. Gén. Bot. 41: 555-581, 622-636. 1929. no.489, 490.

Recherches sur l'évolution du mannitol dans le celeri (Apium graveolens L.)-Recherches expérimentales sur la formation et l'utilisation du mannitol.

Rev. Soc. Colombiana Cienc. Nat. (Bogota)
Toro, R. A.
Una contribucion a nuestro conocimiento de la flora silvestre y cultivada de San Andrés. Rev. Soc. Columbiana Cienc. Nat. 18: 201-207. O./N. 1929. no.103.

Science. (Lancaster, Pa.)
Kelley, A. P.
Continued growth of American chestnut. Science. 70: 538. N.29, 1929. no.1822.

Murneek, A. E.
Henry Daggett Hooker, jr. Science. 70: 531. N.29,1929. no.1822.

Süddeut. Apoth.-Zeit.
Böhringer, Ch.
Beitrag zur chemis der pflanzenalkaloide. Süddeut. Apoth.-Zeit. 69: 700-701. N.5,1929. no.89.

Svensk. Bot. Tidskr..
Arwidsson, Th.
Om lokalerna för Erica tetralix i Södermanland och Östergötland. Svensk. Bot. Tidskr. 23: 291-315. illus. 1929. no.3.

Eliasson, A. G.
Svampar fran Blekinge och Skane. Svensk. Bot. Tidskr. 23: 336-346. 1929. no.3.

Malme, G. O. A:N.
Die xyridazeen von Madagaskar. Svensk Bot. Tidskr. 23: 323-328. 1929. no.3.

Nannfeldt, J. A.
Dübenia Fr., eine verschollene discomycetengattung. Svensk. Bot. Tidskr. 23: 316-322. 1929. no.3.

Svedelius, N.
The seasonal alternation of generations of Ceramium corticatulm. Svensk. Bot. Tidskr. 23: 366-387. 1929. no.3.

Tijdschr. Plantenz. (Amsterdam)
Betrem, J. G.
De iepenziekte en de iepenspintkevers. Tijdschr. Plantenz. 35: 273-288. pl. xix-xxi. N.1929. no.11.
German summary.

Trab. Mus. Cienc. Nat. Barcelona.
Cuatrecasas, J.
Estudio sobre la flora y la vegetación del macizo de Magina. Trab. Museo Cienc. Nat. Barcelona. v.12. 510 p. illus., viii pl., map. My.1929.

Trans. Bot. Soc. Edinb.
Baron, C. M.
Cork formation in Rhodoendron. Trans. Bot. Soc. Edinb. 30: 127-130. illus. 1929. no.2.

Baron, C. M., Graham, R. J. D., & Stewart, L.B.
Vegetative propagation. Kalanchoe verticillata. Trans. Bot. Soc. Edinb. 30: 70-71. illus. 1929. no.2.

Gourley, W. B.
Vaccinium intermedium Ruthe on the South Pennine moors and on Cannock Chase. Trans. Bot. Soc. Edinb. 30: 131-136. pl.x8. 1929. no.2.

Graham, R. J. D. & Stewart, L.B.
Vegetative propagation. Leaf cuttings in gymnosperms. Trans. Bot. Soc. Edinb. 30: 67-69. pl. iii. 1929. no.2.

Grieve, S.
Physical changes brought about by the floating power of seaweed. Trans. Bot. Soc. Edinb. 30: 72-77, 78-88, 89-103. illus., pl. iv-x (incl.map) 1929. no.2.
P. 72-77 reprinted from Trans. Bot. Soc. Edinb. v.14, pt. 2 p. lviii-lxii. 1883.

Hahn, G. G.
Preliminary report on a variety of red currant resistant to Weymouth pine rust. Trans. Bot. Soc. Edinb. 30: 137-146. pl. xii-xiii. 1929. no. 2
Norwegian red Dutch variety.

V.11, no.25, p.30.

Trans. Bot. Soc. Edinb. (cont.)

Kean, C.I.
Seedling anatomy in the genus Mesembryanthemum. Trans. Bot. Soc. Edinb. 30: 164-174. illus. 1929. no.2.

McNicoll, I. S.
Notes on strand plants. III. Salsola kali L. Trans. Bot. Soc. Edinb. 30: 147-156. illus. 1929. no.2.

Matthews, J. R.
Arthur Bennett, 1843-1929. Trans. Bot. Soc. Edinb. 30: 180-182. 1929.

Matthews, J. R.
David Paul, 1845-1929. Trans. Bot. Soc. Edinb. 30: 183-186. 1929. no.2.

Matthews, J. R. & Maclachlan, C. M.
The structure of poridical anthers. Trans. Bot. Soc. Edinb. 30: 104-122. illus. 1929. no.2.

Matthews, J. R.
William Gardner Smith, 1866-1928. Trans. Bot. Soc. Edinb. 30: 175-178. 1929. no.2.

Pratt, A.
Notes on strand plants. IV. Arenaria peploides L. Trans. Bot. Soc. Edinb. 30: 157-163. illus. 1929. no.2.

Watt, H. B.
Notes on the introduction and distribution of the ivy-leafed toad-flax (Linaria cymbalaria Mill.) in Scotland. Trans. Bot. Soc. Edinb. 30: 123-126. 1929. no.2.

Trop. Agriculture West Indies. (Trinidad)

Briton-Jones, H. R.
Wilt diseases of coconut palms in Trinidad. pt.II. 12.p. Trinidad, 1929. (Suppl. Trop. Agriculture. D.1929)

Wardlaw, C. W.
Witch-broom in Suriname. Trop. Agriculture. West Indies. 6: 348-349. D.1929. no.12.

V.11, no. 25, p. 31.

U.S. Dept. Agr. Circ.

Arceneaux, G. & Stevens, F. D.
Variety tests of sugarcanes in Louisiana during the crop year 1927-28. U.S. Dept. Agr. Circ. 88. 16 p. N.1929.

Sartoris, G. B.
Rate of deterioration of sugar content of some P.O.J. sugarcane varieties in Louisiana. U.S. Dept. Agr. Circ. 97. 26 p. N.1929.

U.S. Dept. Agr. Farm. Bull.

Leukel, R. W.
The nematode disease of wheat and rye. U.S. Dept. Agr. Farm. Bull. 1607. 11 p. illus. N.1929.

Martin, J. H.
Proso, or hog millet. U.S. Dept. Agr. Farm. Bull. 1162. 12 p. illus. O.1920; rev. O.1929.

U.S. Dept. Agr. Plant Dis. Rep.

Brown, H. D.
Loss caused by Septoria leaf spot in the tomato canning crop of Indiana - 1928. U.S. Dept. Agr. Plant Dis. Rep. 13: 164-165. N.15, 1929. no.13.

U.S. Dept. Agr. Techn. Bull.

Magness, J.R. , Diehl, H.C. & Allen, F. W.
Investigations on the handling of Bartlett pears from Pacific Coast districts. U.S. Dept. Agr. Techn. Bull. 140. 27 p. pl.1 (col.) S.1929.

Shamel, A.D., Pomeroy, C.S. & Caryl, R.E.
Bud selection in the Washington navel orange: progeny tests of limb variations. U.S. Dept. Agr. Techn. Bull. 123. 71 p. illus. O.1929. (Rec'd D.)

Vierteljahrsschr. Naturf. Ges. Zürich.

Messikommer, E.
Beitrage zur kenntnis der algenflora des kantons Zürich. IV. folge: Die algenvegetation der moore am Pfäffikersee. Vierteljahrsschr. Naturf. Ges. Zürich. 74: 139-183. illus. Je.30,1929 (Rec'd D.) no. 1/2.

Vierteljahrsschr. Naturf. Ges. Zürich (cont.)

The following titles have already been entered in v.11, no.17 as Reprints.

Beiträge zur kenntnis der afrikanischen flora XXXIV. Vierteljahrsschr. Naturf. Ges. Zürich. 74: 99-138. illus. 1929.

Däniker, A. U.

Neu-Caledonien, land und vegetation. Vierteljahrsschr. Naturf. Ges. Zürich. 74: 170-197. illus. 1929.

Ergebnisse der reise von Dr. A. U. Däniker nach Neu-Caledonien und den Loyalitätsinseln (1924/25) Vierteljahrsschr. Naturf. Ges. Zürich. 74: 50-98. illus. 1929.

Hanrard, J. T.

Plectrachne, a new genus of grasses. Vierteljahrsschr. Naturf. Ges. Zürich. 74: 130-134. illus. 1929.

Exper. Stat. Publ.

Lehman, S. G. & Fant, G. W.

Control of oat smut by seed treatment. North Carolina Agr. Exp. Stat. Bull. 268. 16 p. illus. O. 1929.

Brentzel, W. E. & Smith, R. W.

Varietal resistance of spring wheats to bunt. North Dakota Agr. Exp. Stat. Bull. 231. 12 p. illus. Jl.1929 (Rec'd D.)

Burns, G. P.

Studies in tolerance of New England forest trees. IX. Rainfall and width of annual rings in Vermont forests. Vermont Agr. Exp. Stat. Bull. 298. 24 p. illus. Je.1929.

Lutman, B.F. & Walbridge, N.L.

The role of magnesium in the aging of plants. Vermont Agr. Exp. Stat. Bull. 296. 48 p. pl.i-v. Je.1929 (Rec'd N.)

V.11, no. 25, p. 33.

State Publications.

Morris, H.E. & Kurtz, L.D.
Wheat smut in Montana. Montana State Coll. Agr. & Mech. Arts Ext. Serv. (Bull.) 98. 16 p. illus. (incl. map.) F.1929.

New Books.

Backer, C. A.
Handboek voor de flora van Java. afl. 1-3. Batavia, 1924-28.
pt.3. issued in 1924.

Bosvieux, J.
Le topinambour en Limousin, sa culture et ses utilisations. Paris, Impr. de la Cour d'Appel, 1929.

Froes Abreu, S.
O coco babassu e o problema do combustivel. Rio de Janeiro, 1929.

Graebner, P. & Graebner, P., fil.
Synopsis de Mitteleuropäischen flora... nach Ascherson's tode fortgesetzt von P. Graebner, sen. und P. Graebner, fil. lfg.112 (bd.5, abt.2) Ranales (Aconitum) Leipzig, Borntraeger, S.30, 1929.

Lippmann, E.O. von.
Geschichte des zuckers seit den ältesten zeiten bis zum beginn der rübenzucker-fabrikation. 2. aufl. Berlin, J. Springer, 1929.

Royal Horticultural society, London.
A tentative list of tulip names. London, Jl. 1929.

Stschukin, I.
Vegetationsbilder aus Balkarien (Nordabhang des zentralen Kaukasus). In Karsten, G. Vegetationsbilder. 20. reihe, h.3/4. pl. 13-24. 1929.

Zahlbruckner, A.
Catalogus lichenum universalis bd.6,bog.11-20. Leipzig, Borntraeger, [1929]

V.11, no.25, p.34.

Reprints from Journals not yet rec'd or not available.

Davis, J.J.

Notes on parasitic fungi in Wisconsin XV-XVII. Reprinted from Trans. Wisconsin Acad. Sci. v.24, p. 269-302c. N.1929.

Septoria dodecatheonis, Ramularia dispersa, Didymaria puncta, Cercospora thaspiicola, Aecidium sparsum, Cercospora eleocharidis, C. junci, C. parvimaculans, n.spp.

Noble, R. J.

Some observations on the relationship of soil conditions to the development of disease in plants. Reprinted from Rep. Australasian Assoc. Adv. Scit. 1928: 574-580. 1929.

Stevens, N.E.

The probable keeping quality of early blacks in Wareham and Carver this season. Wareham Courier. Sept.20, 1929. p.6.

Cranberries.

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

Vol. 11, no. 26. Dec. 9-21, 1929.

Agr.Gaz. N.S.W. (Sydney)

Anderson, R. H.
Farm forestry V. The native and introduced trees of New South Wales. (cont.) Agr. Gaz. N.S.W. 40: 777-786. illus. N.1,1929. no. 11.

Ramsay, A.A. & Henry, M.
Rosewood (Heterodendron oleaefolium) and native fuchsia (Eremophila maculata), two poisonous plants. Agr. Gaz. N.S.W. 40: 834-837. diagrs. N.1, 1929, no. 11.

Agr. Res. Work Sudan Rep.

Archibald, R. G.
Further investigations on black arm disease of cotton. Agr. Res. Work Sudan Rep. 1927/28: 127-133. 1929.

Massey, R. E.
Work of the section of plant physiology and pathology. Agr.Res. Work Sudan Rep. 1927/28: 134-140. 1929.

Angew. Bot. (Berlin)

Flaksberger, C.
Wechselweizen. Angew. Bot. 11:553-562. illus. S./O. 1929. no.5.

Schropp, W.
Beiträge zur frage der regelung der standorts- und wasserverhältnisse bei vegetationsversuchen in gefässen. Angew. Bot. 11: 461-552. illus. S./O. 1929. no.5.

Arb. Bayer. Landesanst. Pflanzenb. u. Pflanzensch. (Munchen)

Boning, K.
Weitere beiträge zur kenntnis der krankheiten des tabaks. Arb. Bayer. Landesanst. Pflanzenb. u. Pflanzensch. no.8. 32 p. illus. 1 col.pl. 1929.

Bol. R. Soc. Españ. Hist. Nat. (Madrid)

Bustinza Lachiondo, F.
Catalasa y poder germinativo de las semillas. Bol. R. Soc. Españ. Hist. Nat. 29: 227-230. My. 31, 1929. no.5.

Caballero y Villadea, S.
Datos para la flora algológica de la provincia de Guadalajara. Bol. R. Soc. Españ. Hist. Nat. 29: 217-225, 261-280. My.31, S.30,1929. no.5,7.

González Guerrero, P.
Nuevos datos del planctonhispano-marroqui (agua dulce). Bol. R. Soc. Españ. Hist. Nat. 29: 251-254. illus. Jl.5, 1929. no.6.

Vidal y López, M.
Materiales para la flora marroqui VI. Plantas de la cabila de Beni Hassan. Bol. R. Soc. Españ. Hist. Nat. 29: 283-286. S.30, 1929. no.7.

Bot. Gaz. (Chicago)

Albrecht, W. A. & Davis, F. L.
Physiological importance of calcium in legume inoculation. Bot. Gaz. 88: 310-321. illus. N. 1929. no.3.

Bartoo, D. R.
Development of sporangium in Schizaea rupestris. Bot. Gaz. 88: 322-331. illus. N.1929. no.3.

Bryan, G. S.
Field observations on Peruvian Hepaticae. Bot. Gaz. 88: 332-342. illus. N.1929. no.3.

Hartt, C. E.
Potassium deficiency in sugar cane. Bot. Gaz. 88: 229-261. illus. N.1929.

Miller, W. L.
Staminate flower of Echinocystis lobata. Bot. Gaz. 88: 262-284. pl.xiii-xvi. N.1929. no.3.

Sherff, E. E.
New or otherwise noteworthy Compositae. III. Bot. Gaz. 88: 285-309. pl.xvii-xxi. N.1929. no.3.

Bot. Jahrb. Engl. (Leipzig)

Burret, M.
Die gattung Euterpe Gaertn. Bot. Jahrb. Engl. 63: 49-76. N.15,1929. no.1.

Busch, N.
Die botanische erforschung Süd-Ossetiens in jahre 1928. Bot. Jahrb. Engl. 63: 77-85. N. 15, 1929. no.1.

Lauterbach, C.
Beiträge zur flora von Papusaien. XVIII. Die pflanzenformationen einiger gebiete Nordost-Neu-Guineas und des Bismarck-Archipels III. (cont.) Bot. Jahrb. Engl. 63: 1-28. N.15, 1929. no.1.

Sambuk, F.
Ueber die natur der alluvialwiesen des Petschoratales. Bot. Jahrb. Engl. 63: 86-113. N. 15, 1929. no.1.

Weberbauer, A.
Die pflanzendecke Nordperus in departamento Tumbez und angrenzenden teilen des departamento Piura (3°30' - 5°s.Br.) Bot. Jahrb. Engl. 63: 1-48. pl.i-v. N.15, 1929. No. 1

Bryologist. (Pittsburg)

Binstead, C. H.
A further account of the mosses of the French Rivera. Bryologist. 32: 89-92. S.1929. no.5.

Burnham, S. H.
Supplementary list of the bryophytes of the Lake George region. Bryologist. 32: 94-98. S.1929. no.5.

MacFadden, F. A.
Easter week at Halcyon Hot Springs, British Columbia. Bryologist. 32: 100-104. S.1929. No.5.

Bryologist. (cont.)

Pitman, E. M.
Moss notes from the Pine tree state. Bryologist. 32: 92-93. S.1929. no.5.

Theriot, I.
Again the genus Pleurozium. Bryologist. 32: 98-99. S.1929. no.5.
"The name of the genus Pleurozium is different from Pleurozia and must be maintained."

Bull. Exp. Stat. Assoc. Hawaiian Pineapple Canners.

Bowers, F. A. I.
The root system of pineapple plants. Bull. Exp. Stat. Assoc. Hawaiian Pineapple Canners. no.12. 35 p. illus. O.1929.

Bull. Rubber Res. Inst. Malaya.

Corbet, A. S.
The natural coagulation of Hevea latex. Bull. Rubber Res. Inst. Malaya. no.1. 17 p. S. 1929.

Bull. Soc. Centr. For. Belgique. (Bruxelles)

Delevoy, G.
La destruction des mauvaises herbes par le chlorate de soude. Bull. Soc. Centr. For. Belgique. 36: 475-489. 2 pl., diagrs. O./N.1929. no.10-11.

Bull. Soc. Vaud. Sci. Nat. (Lausanne)

Meylan, C.
Recherches sur les Myxomycètes en 1927-1928. Bull. Soc. Vaud. Sci. Nat. 57(223): 39-47. illus. Jl.31, 1929.
Didymium nivicolum, Lamproderma splendens, n.sp.

Wilczek, E.
Ranunculus glacialis L. α gelidus Hffgg. ou β minimus Gaudin? Bull. Soc. Vaud. Sci. Nat. 57: (223): 29-30. Jl.31,1929.

Bull. Torr. Club.

Bradley, W. H.
Fresh water algae from the Green River formation of Colorado. Bull. Torr. Club. 56: 421-428. pl.22-23. N.1929. no.8.

V.11, no.26, p.5.

Bull. Torr. Club. (cont.)

Gleason, H. A.

Studies on the flora of northern South America XIII. The Tate collection from Mount Boraina and vicinity. Bull. Torr. Glub. 56: 391-408. N.1929. no.8.

Riecken, W. E.

A morphological study of some Phalarideae, with special reference to classification. Bull. Torr. Club. 56: 409-420. illus., pl.20-21. N.1929. no.8.

Bull. Trim. Off. Rég. Agr. Midi France.

Dufrenoy, J.

Les maladies de l'amandier. Bull. Trim. Off. Rég. Agr. Midi France. 31: 122-128. illus. Jl.1929 (Rec'd D.)

Bull. U.S. Golf Assoc. Green Sect. (Wash., D. C.)

Goetz, A. J.

Brown-patch and its control at St. Louis. Bull. U. S. Golf Assoc. Green Sect. 9: 179-183. illus. O.1929. no.10.

Canad. Hort. (Peterboro, Ont.)

Wells, H. M.

Collar rot and its treatment. Canad. Hort. 52: 303. D.1929. no.12.

Centralbl. Bakt. Abt.II. (Jena)

Israilsky, W.

Vergleichende untersuchungen über die rassen-eigentümlichkeiten des B. tumefaciens und verwandter mikroorganismen. Centralbl. Bakt. Abt. II. 79: 354-370. illus. N.19. 1929. no.15/22.

Kober, B.

Ueber die physiologie und morphologie von Actinomyces oligocarbophilus und dessen bedeutung fur den ackerboden. Centralbl. Bakt. Abt.II. 79: 370-393. illus. N.19, 1929. no.15/22.

McCoy, E. F.

A cytological and histological study of the root nodules of the bean, Phaseolus vulgaris L. Centralbl. Bakt. Abt. II. 79: 394-412. iii pl. N.19,1929. no.15/22.

Centralbl. Bakt. Abt.II (cont.)

Rahn, O., Laubengeyer, E. & Mansfield, H. L.
Contributions to the classification of bacteria. V-X. Centralbl. Bakt. Abt.II. 79: 321-337, 338-343. N.19,1929. no.15/22.

Cereal Chem.

Hayes, H. K.
The breeding of improved varieties of spring wheat. Cereal Chem. 6: 483-493. illus. N. 1929. no.6.

Collegium. (Ober-Ramstadt)

Münz, W.
Ueber den gerbstoff der edelkastanie und des sizilianischen sumachs. Collegium. 1929; 499-512. 1929. no.714.

Compt. Rend. Acad. Sci. Paris.

Bertrand, G. & Silberstein, L.
Sur le dosage du soufre et du phosphore dans les plantes. Compt. Rend. Sci. Paris. 189: 886-890. N.25, 1929. no.22.

Nicolas, G. & Aggery, Mlle.
Un nouvel exemple d'infection bactérienne généralisée chez les végétaux. Compt. Rend. Acad. Sci. Paris. 189: 946-947. N.25, 1929. no.22.
On Stranvaesia davidiana. (Bact. undeterm.)

Orékhoff, A. & Béhal, A.
Sur les alcaloïdes de l'Anabasis aphylla. Compt. Rend. Acad. Sci. Paris. 189: 945. N.25, 1929. no.22.

Compt. Rend. Soc. Biol. Paris.

Lwoff, A. & Dusi, H.
Le pouvoir de synthese d'Euglèna gracilis cultivée a l'obscurité. Compt. Rend. Soc. Biol. Paris. 102: 567-569. N.22,1929. no.31.

Lwoff, M. & Lwoff, A.
Le pouvoir de synthèse de Chlamydomonas aghae-formis et d'Haematococcus pluvialis en culture pure, a l'obscurité. Compt. Rend. Soc. Biol. Paris. 102: 569-571. N.22, 1929. no.31.

Farming South Afria (Pretoria)
Evans, I.B.P.
(Report of the Div. of Botany, horticulture and entomology, 1929) Farming South Africa. 4: 398-412. N.1929. no.44.

Fruit Grow. Fruiterer, Flor. & Mark. Gard. (London)
Fungus disease of fruits. Phytophthora rot outbreak. Fruit Grow. Fruiterer, Flor. & Mark. Gard. 68: 874. illus. N.21, 1929. no.1771.

Gard. Chron. (London)
Darnell, A. W.
The genus Primula (cont.) Gard. Chron. III, 86: 428-429. D.13, 1929. no.2240.

Hosking, A.
Plant variations. Sports, chimaeras, variegation and mutations. (cont.). Gard. Chron. III, 86: 424-425. D.13, 1929. no.2240.

Smith, E. H.
Autumn-sowing variety of onion resistant to frost and white rot. Gard. Chron. III, 86: 429-430. illus. D.13, 1929. no.2240.

Ward, F. K.
Mr. F. Kingdom Ward's tenth expedition in Asia. XXXVI. Sadiya calling. Gard. Chron. III, 86: 427-428. illus. D.13,1929. no.2240.

Gard. Chron. Amer. (N.Y.)
Perry, F. M.
The yellow peril in the lawn. Gard. Chron. Amer. 33: 435-436. D.1929. no.12.
Dandelion.

Gartenfl. (Berlin)
Maier-Bode,
Krankheiten und schädlinge an chrysanthemen. Gartenfl. 78: 321-323. N.1929.

Hilgardia. (Berkeley, Cal.)
Briggs, F. N.
Factors which modify the resistance of wheat to hunt, Tilletia tritici. Hilgardia. 4: 175-184. N.1929. no.7.

Intern. Bull. Plant Prot.

Data and information on damage caused to cultivated crops by the cold of the winter 1928-1929 (cont.) Intern. Bull. Plant Prot. 3: 165-170. N.1929. no.11.

Izv. Opytn. Delu Severn. Kavkaza (Journ. Agr. Res. North Caucasus) (Rostov-i-Don)

Montrenko, T. G.

...A speedy method for the determination of the germinative power of seeds by means of staining, applied to gramineous plants and other field cultures. Izv. Opytn. Delu Severn. Kavkaza (Journ. Agr. Res. North Caucasus) 15/16: 3-38. Illus. 1929.

Russian with English summary (p.343-344).

Rusakov, L. & Shitikova, A. A.

...Cereal rust on the gramineous plants of the North-Caucasian region. Izv. Opytn. Delu Severn. Kavkaza (Journ. Agr. Res. North Caucasus) 13: 17-48. 1929; 15/16: 213-236. 1929.

Russian.

2d for 1927.

Tropova, A. T.

... The active acidity of the cell sap of some plants and their susceptibility to fungous and bacterial infection. Izv. Opytn. Delu Severn Kavkaza (Journ. Agr. Res. North Caucasus). 13: 3-16. 1929.

Russian with English summary (p.344).

Journ. Agr. Res. (Washington, D. C.)

Doran, W. L.

Effects of soil temperature and reaction on growth of tobacco infected and uninfected with black root rot. Journ. Agr. Res. 39: 853-872. D.1, 1929 (Rec'd D.14)

Gerhardt, F.

Propagation and food translocation in the common milkweed. Journ. Agr. Res. 39: 837-851. illus. D.1, 1929. (Rec'd D.14)

Journ. Agr. Res. (cont.)

Jones, J. P.
Deficiency of magnesium the cause of a chlorosis in corn. Journ. Agr. Res. 39: 873-892. illus. D.1, 1929 (Rec'd D.14)

MacMillan, H. G. & Schaal, L. A.
A pathological feature of flea-beetle injury of potato tubers. Journ. Agr. Res. 39: 807-815. illus. D.1, 1929 (Rec'd D.14)

Weston, W. H., jr. & Craigie, J. H.
Observations on tassels of teosinte malformed by Sclerospora. Journ. Agr. Res. 39: 817-836. D. 1, 1929 (Rec'd D.14).

Journ. Amer. Chem. Soc.

Svedberg, T. & Katsurai, T.
The molecular weights of phycocyan and of phycoerythrin from porphyra tenera and of phycocyan from aphanizomenon flos aquae. Journ. Amer. Chem. Soc. 51: 3573-3583. illus. D.1929. no.12.

Journ. Amer. Soc. Agron. (Geneva, N. Y.)

Clark, J. A., Parker, J. H. & Waldon , L, R.
Registration of improved wheat varieties. IV. Journ. Amer. Soc. Agron. 21: 1172-1174. D.1929. no.12.

Hume, A. N. & Franzke, C.
The effect of certain injuries to leaves of corn plants upon weights of grain produced. Journ. Amer. Soc. Agron. 21: 1156-1164. D.1929. no.12.

Rea, H. E.
The influence of "notes" on the yield and boll-size of the cotton plant. Journ. Amer. Soc. Agron. 21: 1154-1155. D.1929. no.12.

Stanton, T. R., Gaines, E. F. & Love, H. H.
Registration of varieties and strains of oats. IV. Journ. Amer. Soc. Agron. 21: 1175-1180. D.1929. no.12.

Journ. Dept. Agr. West Austral. (Perth)

Cahill, V.
Experiments for the control of exanthema in Japanese plum trees. Journ. Dept. Agr. West. Austral. II, 6: 388-394. illus. S.1929. no.3.

Gardner, C. A.
The arum lily (Zantedeschia aethiopica, Spreng.) Journ. Dept. Agr. West. Austral. II, 6: 452-454. illus. S.1929. no.3.

Gardner, C.A. & Elliott, H. G.
The common blue lupin. Journ. Dept. Agr. West. Austral. II, 6: 414 420. illus. S.1929. no.3.
L.pilosus.

Pittman, H. A.
The eelworm-gall or root-knot disease. Journ. Dept. Agr. West. Austral. II, 6: 436-446. illus. S.1929. no.3.

Pittmann, H. A.
Potato diseases in Western Australia. (cont.) Journ. Dept. Agr. West. Austral. II, 6: 398-404. illus. S.1929. no.3.
6. Irish or late blight.

Journ. Frankl. Inst.

Jodidi, S. L.
The mature and source of plant nitrogen. Journ. Frankl. Inst. 208: 767-771. D.1929. no.6.

Journ. Hered. (Washington)

Reinking, O. A.
The double pummelo of Banda and Ambon. Journ. Hered. 20: 449-458. illus. O.1929. no.10.

Journ. Washington Acad. Sci.

Blake, S. F.
On the names of certain species of Deguelia (Derris), Journ. Washington Acad. Sci. 19: 472-475. D.19, 1929. no.21.

Krest'ian Sel'sko-Khoz. Labor (Farm. Agr. Labor) (Moscow)

Dunin, M. S. & Others.
... Some problems of the cultivation of kenaph (Hibiscus cannabinus L.) Krest'ian Sel'sko-Khoz. Labor. (Farm. Agr. Labor.) no.9. 252 p. illus., plates. 1928.
Diseases of Hibiscus cannabinus L. by M. S. Dounin, E. S. Nazarov & N. I. Feiginson: p.7-112.
Russian with English summary at end of each section.

Landbouwk. Tijdschr. Maandbl. Nederl. Genootsch. Landbouwwetensch. (Amsterdam)

Bleier, H.

De beteekenis van de cytologie voor de planteneredeling. Landbouwk. Tijdschr. Maanbl. Nederl. Genootsch. Landbouwwetensch. 41: 581-587. illus. O.1929. no.496(extr.-num.)

Lek. H.A.A.

De mycorhiza der ericaceeën. Landbouwk. Tijdschr. Maandbl. Nederl. Genootsch. Landbouwwetensch. 41: 671-684. N.1929. no.498.

Sirks, M. J.

Inteelt. Landbouwk. Tijdschr. Maandbl. Nederl. Genootsch. Landouwwetensch. 41: 588-610. illus. O.1929. no.496(extr.-num.)

Landbouw. Tijdschr. Vereen. Landb. Nederl.-Indië. (Buitenzorg)

Waterschoot, H. F.

Ziekten van het rijstgewas in Nederlandsch-Indië, Japan en de Vereenigde Staten van Noord-Amerika. Landbouw. Tijdschr. Vereen. Landb. Nederl.-Indië. 5: 140-148. Ag.1929. no.2.

English summary "Diseases of the rice crop in the Dutch East Indies, Japan and the United States of North America": p.209-210.

Maleyan Agr. Jour. (Kuala Lumpur)

Jack, H. W. & Jagoe, R. B.

Preliminary note on variation of individual fruits of the oil-palm grown under avenue conditions. Malayan Agr. Journ. 17: 351-360. O. 1929. no.19.

Medd. Centralanst. Försksv. Jordbruksomr. Avd. Landtbruksbot. (Stockholm)

Kenner, N. A.

Kvantitativa undersökningar av nematodhalten i svensk, åkerjordar. Landbrukbot. 357. 27.0. illus. 1929.

German summary: p.23-26.

Lantbruksentomol avdeln. no.57.

Meded. Proefst. Boschwez Nederl.-Indië.
Hart, H.M.J.
Culturen op de slechte mergelgronden van Tanggoeng tot Goendih. Meded. Proefst. Boschwez. Nederl.-Indië. no.23. 271 p. illus. 1929.
Lijst van plantennamen: p.i-xii.

Nachr. Schädlingsbekämpfung. (Leverkusen b. Kölh. a Rh.)
Algermissen, C.
Erhöhrung der blühwilligkeit bei hyazinthen und tulpen durch uspulum. Nachr. Schädlingsbekämpfung. 4: 73-76. illus. Ag.1929. no.2.

Baudys,E.
Braunwerden der pelargonienblätter und blüten. Nachr. Schädlingsbekämpfung. 4: 69-73. illus. Ag.1929. no.2.
Botrytis cinerea.

Nature Mag. (Washington)
Fultz, F. M.
When the desert blooms. Nature Mag. 15: 22-24. illus. Ja.1930. no.1.

New Phytol. (London)
Belehrádek, J. & Bělehrádková, M.
Influence of age on the temperature coefficient of the respiration rate in leaves of Scolopendrium scolopendrium Karst. New Phytol. 28: 313-318. O.30, 1929. no.4.

Kryshtofovic, A.
Evolution of the tertiary flora in Asia. New Phytol. 28: 303-312. O.30, 1929. no.4.

Rayner, M. C. & Smith, M. L.
Phoma radicis callunae, a physiological study. New Phytol. 28: 261-290. pl.vi, diagrs. O.30. 1929. no.4.

Waller, J. C.
Plant electricity: II. Towards an interpretation of the phytoelectric currents of leaves. New Phytol. 28: 291-302. diagrs. O.30. 1929. no.4.

Northwest Science. (Cheney)

Diettert, R. A.
Some fungi of northern Idaho. Northwest Science. 3: 101-105. D.1929. no.4.

Heald, F. D.
A plant disease mystery solved. Northwest Science. 3: 123-126. D.1929. no.4.
Tomato blight (yellow blight or western yellow blight) a virus disease.

Severy, J. W.
The life and work of Dr. J.E. Kirkwood. Northwest Science. 3: 111-116. D.1929. no.4.

Pan. Państw. Inst. Nauk. Gospod. Wiejsk. Puławach (Mém. Inst. Nat. Polon. Econ. Rur. Pulawy) (Krakow)

Jankowska, K.
Spostrzezenia nad wystepowaniem chorób roślin uprawnych w woj. Lubelskiem a latach 1927-1928. (Observations on the appearance of the diseases of cultivated plants in the district of Lublin during the years 1927 and 1928). Pan. Państw. Inst. Nauk Gospod. Wiejsk. Puławach. (Mém. Inst. Nat. Polon. Econ. Rur. Pulawy). 9: 574-595. 1928 (Rec'd D.1929) no.2.
English summary: p.595.

Kulczycki, J.
Przyczynek do badań nad makiem Papaver somniferum L. (Ein beitrag zum studium des mohnes (Papaver somniferum L.) Pam. Państw. Inst. Nauk. Gospod. Widjsk. Puławach (Mém. Inst. Nat. Polon. Econ. Rur. Pulawy). 9: 341-358. 1928 (Rec'd D.1929) no.2.
German summary: p.356-358.

Lipska, I.
Fizjologiczne badania nad śluzowemi drożdzakami (Torulae). (Recherches physiologiques sur les levures glaireuses (Torules). Pan. Państw. Inst. Nauk. Gospod. Wiejsk. Puławach. (Mém. Inst. Nat. Polon. Econ. Rur. Pulawy) 9: 508-536. 1928. (Rec'd D. 1929) no.2.
French résumé: p.535-536.

Pharm. Acta Helv. (Zürich)

Rosenthaler, L.

Beiträge zur blausäurefrage. 26: Neue blausäure-vorkommen. Pharm. Acta Helv. 4: 196-199. N.30, 1929. no.11.

Philipp. Journ. Sci. (Manila)

Agcaoili, F.

Seguidillas bean. Philipp. Journ. Sci. 40: 513-514. D.1929. no.4.

Psophocarpus tetragonolobus.

Santos, I.de. & West, A. P.

Resins in the seed coats of Philippine chaulmoogra seeds (Hydnocarpus alcalae). Philipp. Journ. Sci. 40: 485-489. pl. i. D.1929. no.4.

Phytopath. (Lancaster, Pa.)

American phytopathological society - Pacific div.

Report of the 13th annual meeting, Berkeley, Calif., June 19-22, 1929 [with abstracts of papers] Phytopath. 19: 1135-1147. D. 1929. no.12.

Bressman, E.N.

The effect of land plaster applied as a dust on seed corn. Phytopath. 19: 1131-1133. illus. D.1929. no.12.

Kotila, J. E.

A study of the biology of a new spore-forming Rhizoctonia, Corticium praticola. Phytopath. 19: 1059-1099. illus. D.1929. no.12.

Martin, G. H.

Certain early developmental phases common to many fungi. Phytopath. 19: 1117-1123. pl. xxxvii-xxxviii. D.1929. no.12.

Nelson, R. N. & Beal, J. A.

Experiments with bluestain fungi in southern pines. Phytopath. 19: 1101-1106. D.1929. no.12.

Stewart, G.

Stem-rust-resistant segregates from wheat crosses between two susceptible parents. Phytopath. 19: 1129-1130. D.1929.

Phytopath. (cont.)

Thomas, H. E. & Burrell, A. B.
A twig canker of apple caused by Nectria cinnabarina. Phytopath. 19: 1125-1128. illus. D. 1929. no. 12.

Weston, W. H., jr.
A new Sclerospora from Australia. Phytopath. 19: 1107-1115. illus. D.1929. no.12.
S. noblei.

Wingard, S. A.
Ralph Cleon Thomas, 1892-1928. Phytopath. 19: 1057-1058. port. D.1929. no.12.

Planta, Arch. Wiss. Bot. (Berlin)

Linsbauer, K.
Betrachtungen zum problem der sprossregeneration Planta Arch. Wiss. Bot. 9: 334-338. N.15, 1929. no.4.

Rissmann, R.
Der mineralstoffwechsel grüner und etiolierter pflanzen unter besonderer berücksichtigung des magnesiums und der chlorophyllbildung. Planta, Arch. Wiss. Bot. 9: 195-245. illus. N.15,1929 no.2.

Sattler, H.
Beiträge zur kenntnis der N-stoffwechsels wintergrüner pflanzen. Planta Arch. Wiss. Bot. 9: 315-333. illus. N.15, 1929. no.4.

Schmucker, T.
Isolierte gewebe und zellen von blütenpflanzen. Planta Arch. Wiss. Bot. 9: 339-340. N.15, 1929. no.4.

Seybold, A.
Untersuchungen über die transpirationswiderstände und über die temperatur ägyptisch-arabischer wüstenpflanzen. Planta Arch. Wiss. Bot. 9: 270-314. illus. N.15, 1929. no.4.

Planta Arch. Wiss. Bot. (cont.)
Sierp, H. & Seybold, A.
Weitere untersuchungen über die verdunstung aus multiperforaten folien mit kleinsten poren. Planta Arch. Wiss. Bot. 9: 246-269. illus. N.15, 1929. no.2.

Prakt. Blätt. Pflanzenb. u. Pflanzensch. (Freising)
Boas, F.
Fragen der grünlandsbiologie und der biologie der pflanzen überhaupt. (concl.) Prakt. Blätt. Pflanzenb. u. Pflanzensch. 29: 186-193. N. 1929. no. 8.

Proc. Imp. Acad. Tokyo.
Kihara, Y.
Carbohydrates in the bulb of Allium scorodoprasum L. I. Proc. Imp. Acad. Tokyo. 5: 349-350. O.1929. no.8.

Proc. Ohio State Hort. Soc.
Ballou, F. H. & Lewis, I.P.
Spraying and dusting experiments of 1927. Proc. Ohio State Hort. Soc. 61(1928): 61-70. [1929]

May, C.
The timing of apple scab sprays. Proc. Ohio State Hort. Soc. 61(1928): 77-79. [1929]

Schweizer, A.P.
Disease free raspberries. Proc. Ohio State Hort. Soc. 61(1928): 143-151. [1929]

Young, H. C.
Some aspects of sulphur dusting and spraying. Proc. Ohio State Hort. Soc. 61(1928): 34-39. [1929]

Protoplasma (Leipzig)
Beck, W. A.
The effect of drought on the osmotic value of plant tissues. Protoplasma. 8: 70-126. O. 1929. no. 1.

Protoplasma. (cont.)

Derry, B. H. E.
Plasmolyseform- und plasmolyszeit-studien. Protoplasma. 8: 1-49. illus. 0.1929. no.1.

Leontjew, H.
Ueber das spezifische gewicht der plasmodien von myxomyceten. Protoplasma. 8: 152-154. 0.1929. no. 1.

Niethammer, A.
Studien über die beeinflussung der pflanzenzelle durch schwermetallverbindungen I- Protoplamsa. 8: 50-57. illus. 0.1929. no.1.

Queensl. Nat. (Brisbane)

Duke, M. M.
Fungi from Dunk Island, North Queensland. Queensl. Nat. 7: 49-50. 0.1929. no.3.

Herbert, D. A.
The plant ecology of Palm Island, North Queensland. Queensl. Nat. 7: 51-56. 0.1929. no.3.

Rev. Agronómica. (Lisboa)

Navarro, A.
Formação e desenvolvimento do gomo floral de um esporão de ameixieira (Rainha cláudia). Rev. Agronómica. 17(2): 46: 46-59. 9 pl. 1929.

Souza da Camara, M.
Mycetes aliquot novi aliique in microflora lusitaniae ignoti (cont.) Rev. Agronómica. 17(2): 24-28. 5 pl. 1929.
Physalospora cinnamoni, Massarina almeidana, Thyronectria manihoticola, Microdiplodia phormii, Colletotrichum polyptychophyllum, n. spp.

Rev. Zool. et Bot. Afr.

Vanderijst, H.
Notes sur les principales graminées fourragères du Congo Belge. Rev. Zool. et Bot. Afr. 18: 184-189. 0.25, 1929. no.2.

Rhodora. (Boston)

Eaton, R. J.
Propagation by seed in hydrangea. Rhodora. 31: 254-255. D.1929. no.372.

Hitchcock, A. S.
Note on Trisetum spicatum. Rhodora. 31: 255. D.1929. no.372.

Hunnewell, F. W.
Some local plants of Virginia. Rhodora. 31: 256-257. D.1929. no.372.

Morse, A. P.
John Robinson, botanist, of Salem, Massachusetts. Rhodora. 31: 245-254. port. D.1929. no.372.
Botanical bibliography of John Robinson: p.251-254.

Rhodesia Agr. Journ. (Salisbury)

Timson, S. D.
Witch weed, Striga lutea. Methods of control. Rhodesia Agr. Journ. 26: 1103-1113. N.1929. no.11.

Riv. Patol. Veg. (Pavia)

Pasinetti, L.
Contributo allo studio delle sostanze anti-crittogamiche (Esperienze col fideol n.1). Riv. Patol. Veg. 19: 193-213. 1 pl. S./O.1929. no.9/10.

Roczn. Nauk Rolnicz. i Leśn. (Polish Agr. & For. Ann.) (Poznań)

Czyrsznicówna, M.
Studja nad chwastami okolic Warszawy (Studien über die unkräuter in der umgegend von Warszawa. Roczn. Nauk Rolnicz. i Leśn. (Polish Agr. & For. Ann.) 21: 405-448. illus. (incl.map) My./Je. 1929 (Rec'd N.) no.3.
Polish with German summary.

Golińska, J.
S. P. Prof. Dr. Feliks Kotowski. Roczn. Nauk Rolnicz. i Leśn. (Polish Agr. & For. Ann.) 21: 523-525. port. My./Je.1929 Rec'd N.)
Additional sketch by Malinowski: p.526-527.

Roczn. Nauk Rolnicz. i Leśn. (Polish Agr. & For. Ann.) (cont.)

Pietruszczyński, Z.
S. p. Prof. Dr. Bolesław Namysłowski. Roczn. Nauk Rolnicz. i Leśn. (Polish Agr. & For. Ann.) 21: 528-533. port. My./Je. 1929 (Rec'd N.) no.3.
List of writings: p.529-532.

Siemaszko, W.
Szara pleśń cebuli - Botrytis allii Munn. (Neck-rot disease of onion - Botrytis allii Munn.) Roczn. Nauk Rolnicz. i Leśn. (Polish Agr. & For. Ann.) 21: 448-460. illus. My./Je. 1929 (Rec'd N.) no.3.
Polish with English summary.

Science. (Lancaster, Pa.)

[Leaves millions of years old which still hold all the colors of autumn...] Science. v.70, no.1824, Suppl. p.xiv. D.13, 1929.
Discovered by Dr. Ralph W. Chaney.

Robbins, W. R., Nightingale, G. T., Schermerhorn, L.G. & Blake, M. A.
Potassium in relation to the shape of the sweet potato. Science. 70: 558. D.6, 1929. no.1823.

Scient. Agr. (Ottawa)

Fleming, W.H.
Inheritance of colour in asters. Scient. Agr. 10: 272-275. D.1929. no.4.

Goulden, C. H.
Breeding rust resistant varieties of wheat-Fundamental aspects of the problem. Scient. Agr. 10: 258-267. illus. D.1929. no.4.

Humphrey, H. B.
The cereal rusts and their control. Scient. Agr. 10: 225-231. D.1929. no.4.

Kirk, L. E.
The improvement of western rye grass, Agropyron tenerum, Vasey. Scient. Agr. 10:239-250. illus. D.1929. no.4.

So. African Gard. (Johannesburg)

Bolus, L.
Cluster Disa, (Disa ferruginea Swartz).
So. African Gard. 19: 355. col. illus. N. 1929. no.11.

Bolus, L.
Mesembrianthemum and allied genera. (cont.)
So. African Gard. 19: 353. illus. N.1929. no.11.
Dicrocaulon brevifolium.

Bolus, L.
Plants new and noteworthy. (cont.) So. African Gard. 19: 345-346. illus. N.1929. no.11.
Protea patersonii, Mimetes pauciflora.

Marloth, R.
Aloe tomlinsonii. So. African Gard. 19: 354. illus. N.1929. no.11.

Tidsskr. Skogbruk. (Oslo)

Hødal, A.
Om sykdommer pa den franske bergfuru. Tidsskr. Skogbruk. 1929, (4, Bilag): 36-49. illus. 1929.

Jørstad, I.
Furuens knopp- og grentørke. Tidsskr. Skogbruk. 1929(4,Bilag): 1-35. illus. 1929.
Brunchorstia pinea, Cenangium abietis.

Jørstad, I.
Soppsygdommer pa fransk bergfuru i Norge. Tidsskr. Skogbruk. 1929(4, Bilag): 50-51. 1929.

Trans. Amer. Micros. Soc. (Urbana, Ill)

Hall, R. P. & Jahn, T.L.
On the comparative cytology of certain euglenoid flagellates and the systematic position of the families Euglenidae Stein and Astasiidae Bütschli. Trans. Amer. Micros. Soc. 48: 388-399. illus., pl. xlvii-xlix. O. 1929. no.4.

Trans. Nat. Hist. Soc. Formosa.

Sasaki, S.
Miscellaneous contributions to the flora of Formosa. V. Trans. Nat. Hist. Soc. Formosa. 19: 409-414. O.1929. no.104.

Trudy Geobot. Obsled. Pastb. S.S.R. Azerbaid. (Baku)
Grossheim, A. A.
... A geobotanic sketch of the Mugan steppe.
Trudy Geobot. Obsled. Pastb. S.S.R. Azerbaid.
no.2. 73 p. fold.tab., map. 1929.
Russian with English summary.

Grossheim, A. A.
... A geobotanical sketch of winter pastures
in the left-bank part of the Kazakh district.
Trudy Geobot. Obsled. Pastb. S.S.R. Azerbaid. no.3.
74 p. fold.pl., fold. map. 1929.
Russian with English summary.

Grossheim, A. A.
... An introduction to the geobotanical survey
of the winter pastures in the S.S.R. of Azervaidjan.
Trudy Geobot. Obsled. Pastb. S.S.R. Azerbaid. no.1.
75 p. 1929.
Russian with English summary.

U.S. Dept. Agr. Circ.
McNamara, H.C. & Hooton, D. R.
Studies of cotton root rot at Greenville, Tex.
U.S. Dept. Agr. Circ.85. 16 p. illus., 4 pl.
N.1929.

U.S. Dept. Agr. Farm.Bull.
Marsh, C.D., Clawson, A.B. & Marsh, H.
Larkspur or "poison weed" U.S. Dept. Agr. Farm.
Bull. 988. Rev. 12 p. illus. O.1929(Rec'd D.)

Vict. Nat. (Melbourne)
Nicholls, W. H.
A new species of Thelymitra. Vict. Nat. 46:
139-141. illus. N.1929. no.7.
T. merranae.

West. Flor.
Andress, W. M.
Southern California in January. I-III. Western
Flor. 12(49): 5-6, 6-7; 12(50): 6. D.5,12, 1929.

Wiss. Arch. Landw. Abt. A. Pflanzenbau. (Berlin)

Arland, A.
Das wasserhaushaltproblem bei landwirtschaftlichen kulturpflanzen in kritisch--experimenteller betrachtung. Wiss. Arch. Landw. Abt. A. Pflanzenbau. 2: 423-433. illus. N.8, 1929. no.3.

Berkner, F. W. & Schlimm, W.
Der einfluss der herkunft von weizenkronern auf ihre keimenergie. Wiss. Arch. Landw. Abt.A. Pflanzenbau. 2: 545-562. illus. N.8, 1929. no.3.

Rieger, H.
Verlauf der nährstoffaufnahme und substanzbildung bei zwiebel (Allium cepa) und lauch (Allium porrum). Wiss. Arch. Landw. Abt.A. Pflanzenbau. 2: 375-422. illus. N.8,1929. no.3.

Yedeoth (Proc. Agr. Exp. Stat. (Tel-Aviv, Palestine)

Reichert, I. & Hellinger, E.
A blight of beans in Palestine. Yedeoth. (Proc. Agr. Exp. Stat. Tel-Aviv, Palestine. 2(1/2): 98-99. Jl.1929 (Rec'd D.)
English summary of Hebrew article.
Rhizoctonia bataticola.

Zeitschr. Indukt. Abstamm. u. Vererbungsl. (Leipzig)

Dörries-Rüger, K.
Experimentelle analyse der genomund plasmonwirkung bei moosen. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 52: 390-405. illus. 1929. no.4.
I. Teilungsgeschwindigkeit.

Philiptschenko, J.
Ein neue fall von speltoidmutationen beim weizen. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 52: 406-413. illus. 1929. no.4.

Rudloff, K. F.
Zur kenntnis der Oenothera purpurata Klebahn und Oenothera rubricaulis Klebahn. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 52: 191-235. illus. 1929. no.4.
Genetische und zytologische untersuchungen.

Vries, H.d.
Ueber das auftreten von mutanten aus Oenothera lamarckiana. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 52: 121-190. illus. 1929. no.2/3.

Der Züchter. (Berlin)

Allison, C.
Die biologische spezialisierung bei den getreide-rostpilzen und ihre bedeutung fur die rostresistenz-züchtung. Der Züchter. 1: 230-237. N.1929. no. 8.

Christiansen-Weniger, F.
Die pflanzenzuchtung in der Türkei. Der. Züchter. 1: 250-256. illus. N.1929. no. 8.

Geitler, L.
Zwei einfache methoden zur untersuchung pflanz-licher chromosomen. Der Züchter. 1: 243-247. illus. N.1929. no.8.

Iltis, H.
Charles Naudin. Der Züchter. 1: 248-250. port. N.1929. no. 8.

Ufer, M.
Die experimentelle erzeugung polyploider rassen. Der Züchter. 1: 226-230. illus. N.1929. no.8.

Exper. Stat. Publ.

Rosen, H. R.
The life history of the fire blight pathogen, Bacillus amylovorus, as related to the means of overwintering and dissemination. Arkansas Agr. Exp. Stat. Bull. 244. 96 p. illus. O.1929.(Rec'd D.)

Boswell, V. R.
Studies of premature flower formation in wintered-over cabbage. Maryland Agr. Exp. Stat. Bull. 313. 145 p. illus. Ag.1929(Rec'd D.)

Geise, F. W. & Farley, H. B.
Variety studies of spinach. Maryland Agr. Exp. Stat. Bull. 312. 67 p. illus. Jl.1929.(Rec'd D.)

Holland, E.B., Dunbar, C.O., Gilligan, G. M. & Doran, W.L.
The preparation and effectiveness of basic copper sulfate as a fungicide. Massachusetts Agr. Exp. Stat. Bull. 254: 124-149. Je.1929.(Rec'd D.)

Exper. Stat. Publ. (cont.)

Booth, E. G.
Daily growth of the oat kernel and effect on germination of immaturity and controlled low temperatures. Minnesota Agr. Exp. Stat. Tech. Bull. 62. 42 p. illus. S.1929.

Johnson, J. & Ogden, W. B.
The overwintering of the tobacco mosaic virus. Wisconsin Agr. Exp. Stat. Res. Bull. 95. 25 p. Je. 1929.(Rec'd D.)

State Publications.

Adams, J. F.
Report of the plant pathologist. Bull. Delaware State Bd. Agr. 19(3): 37-42. illus. S.30,1929.

New Books.

Brazil. Ministerio da agricultura, industria e commercio.
A exploração da carnaúba (Monographia elaborada pelo serviço, de inspecção e fomento agricolas). Rio de Janeiro, Serv. Inform. Minist. Agr. 1929.

Chevalier, A.
Les caféiers du globe. fasc. 1- Paris, Lechevalier, 1929 (Encylopédie biologique V)

Dalla Fior, Giuseppe.
La nostra flora. Guida alla conoscenza della flora della regione Tridentina.... Trento, E. G. B. Monauni, 1926.

Gortner, R. A.
Outlines of biochemistry. N.Y., J. Wiley & sons, 1929.

Hämmerling, J.
Dauermodifikationen. Berlin, Bornträger, 1929. (Handbuch der vererbungswissenschaft hrsg. von E. Bauer & M. Hartmann. lfg. 11. (bd.1, E.)

Lan, J.
Les plantes Indochinoises de grande culture v.1. Hanoi, Imprimerie d'Extrene-orient, 1928.
V.1. Plantes alimentaires.

New Books. (cont.)

Nicholls, Sir H.A.
A text-book of tropical agriculture. Revised by John Henry Holland, with a foreword by Arthur W. Hill. London, Macmillan and Co., 1929.

Sbornik imeni Sergeia Gavrilovicha Navashina [Collection of articles dedicated to Sergioi Navashin in honor of his 40 years scientific activities 1883-1923 and 25 years of discoveries in geminate fertilization 1898-1923] Moskva, 1928.

Spangenberg, G.E.
... [Provisional instructions in observations of diseases of field plants. Kiev, 1929.
Russian.
Autographed from typewritten copy.

Reprints from Journals not yettrec'd.

Vvedensky, D. I.
... On the methodics and actual problems of fibre hemp breeding. Reprinted from Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) Suppl. 35: 355-406. illus. 1929.
Russian with English summary, 2 unnumb. pages at end.

Translations filed in Library of Bur. of Plant Industry.

Voronikhin, N.N.
Plectodiscella piri, der vertreter einer neuen ascomyceten-gruppa(Plectodiscella piri, representing a new group of Ascomycetes). Mycol. Centralbl. 4: 225-233. 1914.

Lakon, G.
Ueber keimpotenz und labile keimtendenz bei pflanzensamen, insbesondere bei getreidefrüchten. (Observations on the power to germinate and the changeable tendency to germinate in seeds of plants, notably of cereals). Festschr, 100. Jähr. Best. K. Württemb. Landw. Hochsch. Hohenheim. 1918: 70-83.