Library, Bureau of Plant Industry
Current Author Entries, 1923, List 100.
Indexed, Jan. 2-13, 1923.

Addisonia

Addisonia v.7, no.4, Dec.1922.
Lilium parryi p. 49-50 col.pl. 249
Lilium candidum p. 41-52 col. pl. 250
Lilium tigrinum p. 53-54 col. pl. 251
Lilium speciosum p. 55-56 col. pl. 252
Lilium warleyense p. 57-58 col. pl. 253
Lilium superbum p. 59-60 col. pl. 254
Lilium candense p. 61-62 col. pl. 255
Lilium croceum p. 63-64 col. pl. 256

Am. Bee Journ.

Parker, R.L.
Some pollens gathered by bees. Amer. Bee Journ. 63: 16-19 illus. Ja.1923. no.1

Lovell, J. M.
Soils and the honey flora of the United States Amer. Bee Journ. 63: 11-13 illus. Ja.1923 no.1

Amer. Journ. Bot.

Hawkins, L. A.
The effect of low-temperature storage and freezing on fruits and vegetables Amer. Bot. Journ. 9: 551-556 D.1922 (Ja.1923) no.10
Bibliographical foot notes

Ruth, W. A.
The effect of Bordeaux mixture upon the chlorophyll content of the primordial leaves of the common bean, Phaseolus vulgaris L. Amer. Journ. Bot. 9: 535-550 D.1922 (Ja.1923) no.10
Bibliography: p. 548-550

Yuncker, T. G.
Revision of the South American species of Cuscuta Amer. Journ. Bot. 9: 557-575 D.1922 (Ja.1923) no.10.

Ann. Appl. Biol.

Brenchley, W. E. and Singh, Kharak
Effect of high root temperature and excessive isolation upon growth Ann. Appl. Biol. 9: 197-209 N.1922 (Rec'd. Ja.1923) no.3/4
References: p. 209

Jewson, S. T. and Tattersfield, F.
The infestation of fungus cultures by mites (its nature and control together with some remarks on the toxic properties of pyridine) Ann. Appl. Biol. 9: 213-240 N.1922 no.3/4
References: p. 240

Paine, S.G. & Lacey, M.S.
Studies in bacteriosis VII. Comparison of the "stripe disease" with the "Grand Rapids disease" of tomato. Ann. Appl. Biol. 9: 210-212 N.1922 no.5 (Rec'd Ja.1923)
Aplanobacter dissimulans n. sp.

Wiltshire, S.P.
Studies on the apple canker fungus II. Canker infection of apple trees through scab wounds Ann. Appl. Biol. 9: 275-281 pl.xii N.1922 (Rec'd. Ja.1923) no.3/4

Ann. Rep. British Columbia Fruit Grow. Assoc.
Eastham, J. W.
Black currant rust Ann. Rep. British Columbia Fruit Grow. Assoc. 32: 42-43 1922

Fisher, D. F.
Spoilage of apples after harvest Ann. Rep. British Columbia Fruit Grow. Assoc. 32: 51-56 1922

McLarty, H.R.
Fire blight Ann. Rep. British Columbia Fruit Grow. Assoc. 32: 47-50 1922

Ber. Deut. Bot. Ges.
Benecke, Wilhelm
Moritz Büsgen Ber. Deut. Bot. Ges. 39(Generalvers.-heft): (87)-(96) Ag.1922
Schriften-verzeichnis: p. (94)-(96)

Böning, Karl
Ueber den inneren bau horizontaler und geneigter sprosse und seine ursachen Ber. Deut. Bot. Ges. 40: 279-282 N.1922 no.8

Boresch, Karl
Friedrich Czapek Ber. Deut. Bot. Ges. 39 (Generalvers.-heft): (97)-(114) port. Ag.1922
Die publikationen Friedrich Czapeks: p. (112)-(114)

Geitler, Lothar
Neue und wenig bekannte blaualgen Ber. Deut. Bot. Ges. 40: 283-287 illus. N.1922 no.8
Dermocarpa chamaesiphonoides, Xenococcus minimus n. sp. -- Notizen über einige warmhaus-schizophyceen.

Harms, Hermann
August Schulz Ber. Deut. Bot. Ges. 39(Generalvers.-heft): (115)-(127) Ag.1922
Schriftenverzeichnis: p.(121)-(127)

Heinricher, Emil
Das absorptionssystem von Arceuthobium oxycedri (D.C.) M. Bieb. Ber. Deut. Bot. Ges. 39(Generalvers-heft): (20)-(25) Ag.1922

Kostychev, Sergei
Ueber die ernährung der grünen halbschmarotzer Ber. Deut. Bot. Ges. 40: 273-279 N.1922 no.8

Lo Priore, Giuseppe
Odoardo Beccari Ber. Deut. Bot. Ges. 39(Generalvers.-heft): (56)-(87) port. Ag.1922
Botanische werke des Herrn Dott. O. Beccari.

Reinke, Johannes
Ueber botanische gesetze Ber. Deut. Bot. Ges. 39 (Generalvers.-heft): (14)-(20) Ag.1922

Richter, Oswald
Karl Mikosch Ber. Deut. Bot. Ges. 39 (Generalvers.-heft): (31)-(55) port. Ag.1922
Verzeichnis der arbeiten von Mikosch: p. (52)-(53)

Stomps, T. J.
Blattbecher, sprossbecher und stengelbecher Ber. Deut. Bot. Ges. 40: 264-268 N.1922 no.8

Wollenweber, H. W.
Zur systematisierung der strahlenpilze (gattung Actinomyces Harz.) Ber. Deut. Bot. Ges. 39(Generalvers.-heft): (26)-(30) Ag.1922

Bot. Gaz.

Bailey, I. W.
Notes on neotropical ant-plants I Bot. Gaz. 74: 369-391 illus., pl. xv D.1922 no.4
Literature cited: p. 390-391
I. Cecropia angulata sp. nov.

Spessard, E. A.
Prothaliia of Lycopodium in America II. L. lucidulum and L. obscurum var. dendroideum Bot. Gaz. 74: 392-413 pl. xvi-xviii D.1922
Literature cited: p. 412

Blake, S. F.
New South American Asteraceae collected by E.W. D. Holway Bot. Gaz. 74: 414-430 pl. xix D. 1922
Collected in Bolivia and Ecuador
Monopholis n. g.

Harvey, R. B.
Growth of plants in artificial light Bot. Gaz. 74: 447-451 illus. D.1922 no.4

Newton, Robert and Gortner, R.A.
A method for estimating hydrophilic colloid content of expressed plant tissue fluids Bot. Gaz. 74: 442-446 D.1922 no.4

Taylor, W. R.
Recent studies of Phaeophyceae and their bearing on classification Bot. Gaz. 74: 431-441 D.1922 no.4.
Literature cited: p. 440-441

Thone, Frank
Ecological factors in region of Starved Rock, Illinois Bot. Gaz. 74: 345-368 D.1922 no.4
Literature cited: p. 368

Bot. Arch.

Fuchs, A. and Ziegenspeck, H.
Aus der monographie des Orchis traunsteineri Saut. Bot. Arch. 2: 238-248 illus. N.1922 no.5

Hemleben, Hans
Ueber den kopulationsakt und die geschlechtsverhältnisse der Zygnemales Bot. Arch. 2: 249-259, 261-277 illus. N., D. 1922 no.5,6.
Literatur-verweise und anmerkungen: p. 276-277

Lamberg, Gerhard
Das licht als wachstumsfaktor Bot. Arch. 2: 213-228 N.1922 no.5.

Meyer, F.J.
Beiträge zur kenntnis der leitbündelanatomie Bot. Arch. 2: 235-237, 278-280 illus. N.,D. 1922 no.5,6
Literatur-verweise: p. 237

Mez, Carl
Additamenta monographica 1922 Bot. Arch. 2: 259-260 N.1922 no.5
New species of Rapanea

Onken, Albin
Ueber die bedeutung des milch- und schleimsaftes für die beseitigung des überschüssigen calziums, ein beitrag zur exkretphysiologie der höheren pflanzen Bot. Arch. 2: 281-333 D.1922 no.6
Literatur-verweise und anmerkungen: p. 331-333

Broteria Ser. Bot.

Azvedo Menezes, Carlos de
Subsidos para o estudio da flora do Archipelago da Madeira Broteria Ser. Bot. 20: 113-119 1922 no.3

Pau, C.
El herbario de Planellas (cont.) Broteria Ser. Bot. 20: 120-129 1922 no.3

Travares, J. da S.
José de Ascensão Guimarães, 1862-1922. Broteria Ser. Bot. 20: 130-146 port. 1922 no.3
Elenco des obras scientificas de José de Ascensão Guimarães: p. 146.

Torrend, Camillo
Les polyporacées du Brésil (suite) Broteria Ser. Bot. 20: 107-112 1922 no.3.

Bull. Carmichael Med. Coll. Belgachia

Bose, S. R.
Polyporaceae of Bengal pt. V Bull. Carmich. Med. Coll. Belgachia 3: 20-25 ix pl. [1922?]
Bibliography: p. 25.

Bull. Écon. Madagascar

Louvel,
Notes sur les bois de Madagascar (Suite) Bull. Econ. Madagascar 1922 p. 115-121 8 pl. no.1

Bull. Mus. Hist. Nat. Paris

Camus, Aimée
Un bambou nouveau d'Annam Bull. Mus. Hist. Nat. Paris 28: 444-445 1922 no.6
Oxytenanthera hayatae

Camus, Aimée
Graminées nouvelles de Madagascar Bull. Mus. Hist. Nat. Paris 28: 440-443 1922 no.6

Chevalier, Auguste and Camus, A.
Un bamboo nouveau de Cochinchine Bull. Mus. Hist. Nat. Paris 28: 379-380 1922 no.5
Bambusa procera

Danguy, Paul
Une caprifoliacée nouvelle d'Indo-Chine Bull. Mus. Hist. Nat. Paris 28: 378 1922 no.5
Sambucus eberhardtii

Danguy, Paul and Chermezon, H.
Sur quelques espèces et variétés nouvelles de la République de l'Equateur Bull. Mus. Hist. Nat. Paris 28: 432-439 1922 no.6

Gérôme, Joseph
Un cas curieux de retour chez le Pelargonium Madame Salleron Bull. Mus. Hist. Nat. Paris 28: 282-384 illus. 1922 no.6

Larbaud, Marguerite
Anomalies dans les fleurs d'Armeria alpina Willd. Bull. Mus. Hist. Nat. Paris 28: 446-447 1922 no.6

Lecomte, Henri
Sur une rubiacée arborescente de Madagascar Bull. Mus. Hist. Nat. Paris 28: 376-377 1922 no.5
Pyrostria madagascariensis

Bull. Soc. Dendrol. France

Hers, J.
Le culte des arbres en Chine Bull. Soc. Dendr. France 45: 104-109 4 pl. N.1922

Bull. Soc. Dendrol. France
Hickel, Robert
Le sapin de Douglas (Pseudotsuga douglasii) Chap. III Bull. Soc. Dendr. France 45: 95-103 N.15, 1922

Bull. Soc. Hist. Nat. Afr. Nord.
Battandier, J. A.
Un groupe de plantes difficile à classer, les Rupicapnos Pomel Bull. Soc. Hist. Nat. Afr. Nord 13: 240-242 1922 no.8
Note posthume

Surcouf, J. M. R.
Recherches sur la biologie du Phoenix dactylifera. Etude sur la culture, les maladies et les parasites du palmier dattier en Algérie Bull. Soc. Hist. Nat. Afr. Nord 13: 262-273 pl.1 1922 no.8

Bull. Soc. Mycol. France
Bataille, Frédéric
Sur les descriptions de Quélet à propos des Boletus sphaerocephalus et sulfureus Bull. Soc. Mycol. France 38: 167-169 N.1922 no.3

Bose, S. R.
Une Polyporacée nouvelle du Bengale Bull. Soc. Mycol. France Bull. Soc. Mycol. France 38: 173 N.1922 no.3
Trametes cincta n.sp. on the trunk of Artocarpus integrifolia

Cahen, Edmond
Notes mycologiques sur l'Autriche Bull. Soc. Mycol. France 38: 176-178 N.1922
Use of fungi as food by Austrians

Costantin, Julien
Louis Matruchot Bull. Soc. Mycol. France 38: 127-139 port. N.1922 no.3
Liste des travaux scientifiques de L. Matruchot: p. 134-139

Grelet, L. J.
Nouvelle note sur le Cyphella leochroma Bres. Bull. Soc. Mycol. France 38: 174 N.1922 no.3
Cyphella bresadolae var. leochroma; var. tephroleuca

Heim, Roger and Malencon, G.
Note sur la non-comestibilité de Clavaria formosa Pers Bull. Soc. Mycol. France 38: 175 N.1922 no.3

Morquer, R.
Sur un nouvel hôte du Trametes hispida (Bagl.) Bull. Soc. Mycol. France 38: 170-172 N.1922 no.3

Peyronel, Beniamino
Champignons nouveaux des vallées Vaudoises du Piémont Bull. Soc. Mycol. France 38: 140-143 pl. iv-v N.1922 no.3
Alysisporium n.g. A. rivoclarinum, Cytosporium melanommatoides n. sp.; Chaetalysis n.g., C. myrioblephara, Clastenosporium hirudinoides, n.sp.

Il Coltiv.
Mancini, Ettore
Alcune osservazioni sulle spighe ginocchiate di frumento (cont.) Il Colt. 68: 516-519, 555-559 1922 no.34, 35.

Costa Azzurra Agr.-Flor.
Bongini, V.
Mal del gozzo o cancro del pesco e delle piante fruttifere (Bacterium tumefaciens Smith e Town.) Costa Azzurra Agr.-Flor. 2: 7-9 illus. D.1,1922 no.12.

Ernahr. Pflanz.
Arndt, Julius
Neue untersuchungen über die frage des ersatzes des kaliums in der pflanzenzelle durch rubidium sowie über das chlorbedürfnis von buchweizen und gerste Ernähr. Pflanze 18: 191-194 D.15,1922. no.24.

Facts about sugar
Brock, J. A.
Cause of mosaic disease discovered by science Facts about sugar 16: 14, 15. Ja.6,1923

Fruit Grow. Fruiterer, Flor. & Mark. Gard.
Fryer, P. J.
How to secure efficiency in spraying. X. Fungus diseases Fruit-Grow. Fruit. Flor. & Mark. Gard. 54: 1076-1077 illus. N.30, 1922 no.1409

Garden
Jacob, Joseph
Evelyn's Kalendarium Garden 86: 649-650 illus. D.23,1922 no.2666

Gard. Chron.
Brotherston, R. P.
Jane Wells Loudon Gard. Chron. III, 72: 368 D.23,1922 no.1878

Craib, W. G.
Some new species from Siam Gard. Chron.III, 72: 363 D.23,1922
Description Didymocarpus wattiana

Lynch, R. I.
Thladiantha dubia Gard. Chron. III 72: 371 D.23,1922. no.1878.

Miles, A. C.
Keithia on Thuya plicata Gard. Chron. III, 72: 353 D.16,1922 no.1877

P., J.
Wet weather roses. Gard. Chron.III, 72: 366 D.23,1922 no.1878

Robertson Proschowsky, A.
Palms of the Riviera (cont.) Gard. Chron.III. 72: 368-369 D.23,1922 no.1878

Ward, F. K.
Mr. Kingdon Ward's seventh expedition in Asia no.IV On to Yung-ning Gard. Chron.III, 72: 352 D.16,1922 no.1877

Illus. Landw. Zeit.
Schlumberger, Otto
Kartoffelkonservierung und kartoffelbeizung Illus. Landw. Zeit. 42: 372-373 N.18,1922 no.91/92

Spieckermann, Albert
Wie kann die weitere verbreitung des kartoffelkrebses in Deutschland verhindert werden? Illus. Landw. Zeit. 42: 371-372 N.18,1922. no.91/92

Journ. Agr. Prat.
Spagnier, Henry
La galle verruqueuse des pommes de terre
Journ. Agr. Prat. 86: 476-478 illus. D.9,1922
no.49

Journ. Agr. Sci.
Comber, N. M.
The availability of mineral plant food, a modification of the present hypothesis Journ. Agr. Sci. 12: 363-369 O.1922 (Rec'd. Ja. 1923)

Journ. Arnold Arb.
Cocks, R. S.
A list of the shrubs of Louisiana Journ. Arnold Arb. 3: 173-182 O.1922 (D.1922) no.4

Rehder, Alfred
New species, varieties and combinations from the herbarium and the collections of the Arnold Arboretum (cont.) Journ. Arnold Arb. 3: 207-224 O.1922 (D.1922) no.4

Rehder, Alfred
Two new Asiatic poplars Journ. Arnold Arb. 3: 225-227 O.1922 (D.1922) no.4
P. purdomii, P. koreana

Sargent, C. S.
Notes on North American trees X. New species and varieties of Crataegus. Journ. Arnold Arb. 3: 182-207. O.1922 (D.1922) no.4

Tucker, Ethelyn
Bibliographical notes Journ. Arnold Arb. 3: 227-231 O.1922 (D.1922)
Nouveau Duhamel -- Mouillefert. Traité des arbres & arbrisseaux. -- Voss. Vilmorin's blumengärtnerei.-- Willmott. The genus Rosa.

Journ. Coll. Agr. Hokkaido Imp. Univ.
Kudo, Yushun
Flora of the island of Paramushir Journ. Coll. Agr. Hokkaido Imp. Univ. 11: 23-183 illus., fold. tab. My.1922 no.2.

Journ. Bd. Agr. Brit. Guiana
Hohenkerk, L. S.
Botanical identifications of British Guiana trees and plants. Journ. Bd. Agr. Brit. Guiana 15: 196-199 O.1922 no.4

Journ. Dept. Agr. & Techn. Instr. Ireland
Murphy, P. A.
Leaf-roll and mosaic, two important diseases of the potato Journ. Dept. Agr. Techn. Instr. Ireland 22: 281-284 pl. N.1922 no.3

Journ. For.
Chapman, H. H.
A new hybrid pine (Pinus palustris x Pinus taeda) Journ. For. 20: 729-734 pl. N.1922 no.7
P. sonlereggeri suggested as name for this hybrid

Journ. Wash. Acad. Sci.
Standley, Paul
New species of plants from western Mexico Journ. Wash. Acad. Sci. 13: 5-8 Ja.4,1923 no.1

Magyar, Bot. Lap
Gáyer, Gyula
Prodromus der brombeerenflora Ungarns. Magyar Bot. Lap. 20: 1-44 1922

Meded. Landbouwhoogesch. Wageningen
Atanasoff, Dimitar
Stipple-streak disease of potato. Meded. Landbouwhoogesch. Wageningen v.24, no.5 32 p. 5 pl. 1922
Literature cited: p. 29
At head of title: Instituut voor phytopathologie. Laboratory for mycology and potato research.

Atanasoff, Dimitar
A study into the literature on stipple-streak and related diseases of potato Meded. Landbouwhoogesch. Wageningen v.26, no.1 52 p. 1922
Literature cited: p. 47-52

Meded. Proefst. Java Suikerind. ([Suppl.]) Arch. Suikerind. Nederl.-Ind.)
Wilbrink, G.
Een onderzoek naar de verbreiding der gelestrepenziekte door bladluizen Meded. Proefst. Java-Suikerind. ([Suppl.] Arch. Suikerind. Nederl.-Ind.) 1922 p.413-456 no.10
Geraardpleegde literatuur: p. 453-456.

Missouri Bot. Gard. Bull.

Paulownia tomentosa Missouri Bot. Gard. Bull. 10: 161-163 pl. 29 D.1922 no.10

Plants of very limited local distribution Missouri Bot. Gard. Bull. 10: 166-169 D.1922 no.10.

Twigs as weather recorders. Missouri Bot. Gard. Bull. 10: 164-166 D.1922 no.10

Monatsschr. Kakteenk.
Weingart, Wilhelm
Cereus rothii Weingart spec. nov. Monatsschr. Kakteenk. 32: 146-148 N.1922 no.10/11

Nature
Bond, C. J.
Sex of Irish Yew trees Nature 110: 810 D.16,1922 no.2772

New Zeal. Journ. Agr.
Atkinson, E. H.
Weeds and their identification. Field-horsetail (Equisetum arvense) New Zeal. Journ. Agr. 25: 290-292 N. 20,1922 no.5.

Cunningham, G. H.
Leaf-rust, Puccinia pruni-spinosae Pers. its appearance, cause and control. New Zeal. Journ. Agr. 25: 271-277 illus. N.20,1922 no.5
Literature consulted: p. 277

Foy, N. R.
Agricultural root seeds New Zeal. Journ. Agr. 25: 293-296 illus. N.1922 no.5.

Rev. Agr. México
Gonzalez, Manrique R.
El añublo o tizon del trigo, la avena y la cebada Rev. Agr. Mexico 7: 307-313 illus. O.1922 no.6

Rev. Gén. Bot.
Allorge, Pierre
Les associations végétales du vexin français (suite) Rev. Gén. Bot. 34: 612-639 N.1922 no.407

Rev. Gén. Bot.

Carpentier, A.
Revue des travaux de paléontologie végétale publiés dans le cours des années 1910-19 (suite) Rev. Gén. Bot. 34: 604-611 N.1922 no.407
Bibliographical foot notes

Choux, P.
Revue des travaux de botanique tropicale et subtropicale (1910-1919) (suite) Rev. Gén. Bot. 34: 596-603 N.1922 no.407
Bibliographical foot notes

Killian, Charles
La développement du Stigmatea robertiani Fries Rev. Gén. Bot. 34:577-588 pl. 14-17 N.1922 no.407
On Geranium robertianum

Ricôme, Hilaire
Geotropisme et sensibilité (suite) Rev. Gén. Bot. 34: 589-595 N.1922 no.407

Rhodora

Fernald, M. L.
The northern variety of Asperella hystrix Rhodora 24: 229-231 D.1922 (Ja.1923) no.288
A. Hystrix var. bigeloviana

Hylander, C. J.
A preliminary report on the desmids of Connecticut Rhodora 24: 236-241 D.1922 (Ja.1923) no.288
Literature cited: p. 241

Reports on the flora of the Boston district XXXVII Rhodora 24: 231-236 D.1922 (Ja.1923) no.288

Sächs. Landw. Zeitschr.

Esmarch, F.
Der kartoffelkrebs, eine ernste gefahr für den sächsischen kartoffelbau Sächs. Landw. Zeitschr. 70: 498-499 O.28,1922 no.43

Schweiz. Apoth. Zeit.

Lendner, Alfred
Sur le mahwa de l'Inde Schweiz. Apoth.-Zeit. 60: 713-719 illus. D.14,1922 no.50

Science

Cook, M. T.
The origin and structure of plant galls Science 57: 6-14 Ja.5,1923 no.1462

Scient. Agr.

Eastham, J. W.
Fungicides Sci. Agr. 3: 190-191 Ja.1923 no.5.

Howitt, J. E.
Two diseases new to Ontario Scient. Agr. 3: 189 Ja.1923 no.5
Pink root of onions and white rot of grapes.

Newman, L. H.
Origin of false wild oats Scient. Agr. 3: 169-170 Ja.1922 no.5

Succulenta

Klein, H. F.
De ziekten der cactussen en hare bestrijding (IV. slot) Succulenta 4: 87 D.22,1922 no.11/12

Torreya

Barker, E. E.
A note from the Okefinokee swamp Torreya 22: 104-106 N./D.1922 (Ja.1923) no.6

Long, Bayard
Sonchus uliginosus occurring in the Philadelphia area Torreya 22: 91-98 N./D.1922 (Ja.1923) no.6

Mackenzie, K. K.
The records for Limobium spongia in the northern United States Torreya 22: 102-104 N./D.1922 no.5. (Ja.1923)

Nelson, J. C.
Additions to the flora of western Oregon during 1921 Torreya 22: 98-102 N./D.1922 (Ja.1923) No.6.

U. S. Dept. Agr. Bull.

Clark, J. A., Martin, J.H. & Ball, C. R.
Classification of American wheat varieties U. S. Dept. Agr. Bull. 1074 238 p. illus., lx pl. N. 1922 (Rec'd. Ja.1923)
Literature cited: p. 219-230

Weekbl. Bloembollencult.

Quanjer, H. M.
Een nieuwe aardappelsoort met resistentie tegen wratziekte en kringerigheid Weekbl. Bloembollencult. 33: 211-212 D.19, 1922 no.49
From Handelsblad de tuinbouw

Zeitschr. Bot.

Czaja, A. Th.
Die fangvorrichtung der Utriculariablase Zeitschr. Bot. 14: 705-729 illus. 1922 no.1
Literatur: p. 729

Exper. Stat. Publ.

Tufts, W. P. and Philp, G. L.
Almond pollination Calif. Agr. Exp. Stat. Bull. 346 35 p. illus. Jl.1922 (Rec'd Ja.1923)

Bradford, F. C. and Cardinell, H.A.
Observations on winter injury Missouri Agr. Exp. Stat. Res. Bull. 56 26 p. incl. viii pl. on 4 N.1922
I. Early and late winter injury, By F.C.Bradford. II. An aftermath of winter injury, by H. A. Cardinell.

Bradford, F. C.
Relation of temperature to blossoming in the apple and the peach Missouri Agr. Exp. Stat. Res. Bull. 53 51 p. incl. v pl. on 2 Ag. 1922
Literature cited: p. 39

Eyster, W. H.
Scarred endosperm and size inheritance in kernels of maize Missouri Agr. Exp. Stat. Res. Bull. 52 10 p. pl. Jl.1922
Literature cited: p. 10

Swingle, D. B.
How the Department of botany and bacteriology has been meeting obligations. Ann. Rep. Montana Agr. Exp. Stat. 28: (1920/21) 39-44 illus. [illegible] (Rec'd. Ja.1923)

Exper. Stat. Publ. (cont.)
Heald, F. DeF and Smith, L. J.
The dusting of wheat for bunt or stinking smut
Washington Agr. Exp. Stat. Bull. 171 28 p. illus.
O.1922 (Rec'd. Ja.1923)
Rev. of Bull. 168, to include experimental results secured in 1922

NEW BOOKS

Bean, W.J.
Trees and shrubs hardy in the British Isles
3d ed. London, J. Murray, 1921 2 vol.

Becker, Josef
Grundlagen und technik der gärtnerischen pflanzenzüchtung Berlin, P. Parey, 1922

Brown, H. P.
Trees of New York state, native and naturalized
Techn. Publ. N. Y. State Coll. For. Syracuse Univ.
no.15 401 p. illus. F.1921

Chase, Mrs. Agnes
First book of grasses N.Y. Macmillan, 1922

France. Comité interministériel des plantes médicinales...
Les plantes médicinales des Hautes-Alpes Gap.,1922

Klautke, P.
Nutzpflanzen und nutztiere Chinas Hannover 1922
(Weltwirtschaftliche abhandlungen hrsg. von Dr. S. Berline.
5. bd.)

Knoche, Herman
Flora balearica v.2. Montpellier. 1922.

North American flora v. 7, pt.7. Uredinales p. 481-540
D.11,1922
Aecidiaceae, Klebahnia (concl.) by J. C. Arthur
Bullaria by J. C. Arthur & E. B. Mains
Teleutospora by J. C. Arthur & G. R. Bisby
Micropuccinia by J. C. Arthur & H. S. Jackson

Palmer, L. S.
Carotinoids and related pigments, the chromolipoids
N. Y. Chemical catalog Co., 1922

Ripert, Jean
Sur la variation de le rôle des alcaloïdes de la
belladona Rennes, 1922 (Notice no.1 Trav. Off. Nat.
Mat. Prem. Vég.)

Wittmack, Ludewig
Landwirtschaftliche samenkunde. 2. gänzlich neubearb.
u. bedutende erweiterte aufl. Berlin, P. Parey, 1922.

Library, Bureau of Plant Industry
Current Author Entries, 1923, List 101.
Indexed, Jan. 15-27, 1923.

Amer. Fern Journ.
Benedict, R. C.
A fern society campaign for wild plant conservation Amer. Fern Journ. 12: 131-133 O./D.1922 (Ja.1923) no.4.

Munz, P. A. & Johnston, I. M.
Southern California pteridophytes (cont.) Amer. Fern. Journ. 12: 101-122 O/D.1922 (Ja.1923) no.4.

Nelson, J. C.
The bracken as poisonous plant Amer. Fern Journ. 12: 125-127 O./D.1922 (Ja.1923) no.4

Rugg, H. G.
Adiantum pedatum var. aleuticum in New England Amer. Fern. Journ. 12: 128-130 illus. O./D.1922 (Ja.1923) no.4.

Thommen, Gustave
Notes on the fern leaf industry Amer. Fern Journ. 12: 122-125 O./D.1922 no.4

Wheeler, L. A.
Botrychium obliquum var. dissectum in Vermont Amer. Fern Journ. 12: 127-128 O./D.1922 (Ja.1923) no.4

Amer. Journ. Pharm.
Youngken, H. W. and C. H. La Wall
Anatomical and chemical studies of the sand spur (Cenchrus tribuloides L.) Amer. Journ. Pharm. 94: 567-583 illus. S.1922 no.9
Literature: p. 582-583

Amer. Nut Journ.
Demaree, J. B.
Pecan scab experiments in 1922 Amer. Nut Journ. 18: 4-5 Ja.1923. no.1

Ber. Deut. Pharm. Ges.
Sabalitschka, Th
Ueber die fähigkeit von pflanzen, formaldehyd im dunkeln zu polymerisieren Ber. Deut. Pharm. Ges. 32: 278-301 N.1922 no.8

Better Fruit
Anderson, H. W.
Blister canker in Illinois Better fruit v.17, no.7, p. 11, 24 Ja.1923

Weiss, C. D.
Diseases and pests of raspberries Better Fruit v.17, no.7, p. 10, 20. Ja.1923

Bot. Not.
Du Rietz, G. E.
Flechtensystematische studien II Leptogium sernand. dori n. sp. und einige verwandte arten Bot. Not. 1922 p.317-322 no.6

Lehmann, Jörgen
Ueber die einwirkung verschiedener faktoren auf oxydationsenzyme im samen von Phaseolus vulgaris Bot. Nat. 1922 p. 289-312 no.6
Literaturverzeichnis: p. 312

Turesson, Göte
Ueber den zusammenhang zwischen oxydationsenzymen und keimfähigkeit in verschiedenen samenarten Bot. Not. 1922 p.323-335 no.6
Zitierte literatur: p. 335

Bull. Misc. Inform. Kew

Burtt Davy, Joseph

New or noteworthy South African plants V Bull. Misc. Inform. Kew 192 2 p. 322-335 no.10

Acacia borleae, A. galpinii, A. permixta, A. swazica, A. woodii, Cryptocarya transvaalensis n.sp.; Acacia atamamantha var. australis, A. karroo var. transvaalensis ver nov.

Efwatakala grass (Melinis minutiflora Beauv.) Bull. Misc. Inform. Kew 1922 p. 305-316 illus. ii pl. no.10

Fodder grass discovered by M. T. Dawe in Angola Contributions by Dr. Staff, Mr. S. Dickinson & T. A. Henry

List of publications by the late G. Massee. Bull. Misc. Inform. Kew 1922 p. 335-348 no.10

The government gardens, Sokoto, Nigeria Bull. Misc. Inform. Kew 1922 p.316-322 pl.iii-iv. no.10

Extablished by Dr. Bernard Moiser

Spartina townsendii at Clevedon, Somerset Bull. Misc. Inform. Kew 1922 p. 351-352 no.10

Experiment has not proved success hoped for.

Bull. Soc. Neuch. Sci. Nat.

Mayor, Eugène

Un Uromyces nouveau récolté dans le Valais Bull. Soc. Neuch. Sci. Nat. 45: 40-44 illus. 1921.

U. hippocrepidis on Hippocrepis comosa

Bull. Soc. Sci. Nat. L'Ouest France

Pelé, P. and Chenantais, J. E.

Contribution à la flore mycologique de la Loire-Inférieure Bull. Soc. Sci. Nat. L'Ouest France IV, 1: 71-115 [192 2?]

Compt. Rend. Acad. Sci. Paris

Blaringhem, Louis

Mosaique héréditaire chez le pois (Pisum sativum L.) Compt. Rend. Acad. Sci. Paris 175: 1432-1434 D.1922 no.26

Colin, Henri and Belval, H.

La genèse des hydrates de carbone dans le blé. Présence de lévulosans dans la tige Compt. Rend. Acad. Sci. Paris 175: 1441-1443 D.1922 no.26

Gaston Bonnier Compt. Rend. Acad. Sci. Paris 176: 19-20 Ja.3, 1923. no.1

Died Dec.30, 1922

Nicolas, E. and Nicolas, G.

Influence du formol sur les végétaux supérieurs Compt. Rend. Acad. Sci. Paris 175: 1437-1439 D.1922 no.26

Sánchez y Sánchez, Manuel

Sur la nature et la fonction de l'appareil réticulaire de Golgi. Compt. Rend. Acad. Sci. Paris 175: 1439-1440 D.1922 no.26

Bibliographical footnotes

Souèges, René

Embryogénie des malvacées. Développement de l'embryon chez le Malva rotundifolia L. Compt. Rend. Acad. Sci. Paris 175: 1435-1436 illus. D.1922 no.26

Vuillemin, Paul

Classification des monocotylédones Compt. Rend. Acad. Sci. Paris 176: 23-26 Ja.1923 no.1

Gard. Mag.

Fairchild, David
Launching a new vegetable Gard. Mag. 36: 325-327 illus. F.1923 no.6
The udo

Wilson, E. H.
Travel tales of a plant collector II. Plant of Western Australia Gard. Mag. 36: 307-311 illus. no.6 F.1923

Gard. Chron.

Osborn, Arthur
The hollies Gard. Chron. III, 72: 379-380 illus. D.30,1922 no.1879

Ward, F. K.
Mr. Kingdon Ward's seventh expedition in Asia no. 5 Lion Rock Gard. Chron. III, 72: 378-379 D.30, 1922 no.1879

Gard. Chron. Amer.

Freedley, A. B.
The fern garden Gard. Chron. Amer. 27: 5-6, 8 Ja.1923. no.1

Genetics

Macdowell, E.C.
Alcoholism and the growth of white rats Genetics 7: 427-445 S.1922 (Rec'd Dec.) no.5
Literature cited: p. 444-445

Harris, J.A. & Goodale, H.D.
The correlation between the egg production of the various periods of the year in the Rhode Island red breed domestic fowl. Genetics 7: 446-465 fold. tab. S.1922 (Rec'd. Dec.)
Literature cited: p. 465

Jones, S. Van H.
Studies on inheritance in pigeons. IV. Checks and bars and other modifications of black Genetics 7: 466-507 illus. S.1922 (Rec'd. Dec.) no.5
Literature cited: p. 506-507

Robbins, R. B.
Selection through the choice of seeds from dominant plants of an allogamous population Genetics 7: 508-512 S.1922 (Rec'd. Dec.) no.5

Hereditas

Hildén, Kaarlo
Ueber die form des ohrläppchens beim menschen und ihre abhängigkeit von erbanlagen Hereditas 3: 351-357 D.1922 no.3.

Turesson, Göte
The genotypical response of the plant species to the habitat Hereditas 3: 211-350 illus. D.1922 no.3
Literature cited: p. 348-350

Hoppe-Seyl. Zeitschr. Phys. Chem.

Franzen, Hartwig & Helwert, Fritz
Ueber die chemischen bestandteile grüner pflanzen XXII. Mitt. Ueber das vorkommen von bernsteinsäure und oxalsäure in den johannisbeeren (Ribes rubrum) Hoppe-Seyl. Zeitschr. Phys. Chem. 124: 65-74. N.1922 no.1/2

Smorodinzew, I. A.
Zur lehre von den redukasen I. Hoppe-Seyl. Zeitschr. Phys. Chem. 123: 130-144 O.1922 no.1/3
I. Einige bedingungen für die wirkung der kartoffelredukase.

Indian For. Rec.

Simonsen, J. L. and Madyar Gopal Rau
The constituents of some Indian essential oils pt.I-VII Indian For. Rec. v. 9, pt. 4 36 p. 192 2.

Journ. Agr. Res.
Edson, H. A. & Shapovalov, M.
Parasitism of Sclerotium rolfsii on Irish potatoes Journ. Agr. Res. 23: 41-46 3 pl. on 2 Ja.6, 1923 (Ja.18th) no.1

Garner, W.W., McMurtrey, J.E., Moss, E.G.
Sand drown, a chlorosis of tobacco due to magnesium deficiency and the relation of sulphates and chlorids of potassium to the disease Journ. Agr. Res. 23: 27-40 7 pl. on 4 (1 col.) Ja.6, 1923 (Ja.18th) no.1
Literature cited: p. 40

Godfrey, G. H.
A Phytophthora footrot of rhubarb Journ. Agr. Res. 23: 1-26 illus., 12 pl. on 6 Ja.6,1923 (Ja.18th) no.1
Literature cited: p. 24-26
Phytophthora parasitica var. rhei

Journ. Coll. Agr. Imp. Univ. Tokyo
Nagai, Isaburo
A genetico-physiological study on the formation of anthocyanin and brown pigments in plants Journ. Coll. Agr. Imp. Univ. Tokyo 8: 1-92 col. pl. 1 N.1921 (Rec'd. Ja.1923)

Ikeno, Seiitaro
Studies on the gentics of flower-colours in Portulaca grandiflora Journ. Coll. Agr. Imp. Univ. Tokyo 8: 93-133 col. pl.ii N.1921 (Rec'd. Ja. 1923)

Miyake, Kiichi and Imai, Y.
On the inheritance of flower-colour and other characters in Digitalis purpurea Journ. Coll. Agr. Imp. Univ. Tokyo 6: 391-402 col.pl.xliii N.1920
Literature cited: p.402
Substance of this paper publ. in Bot. Mag.Tokyo v.33, p. 175-186. 1919

Journ. Dept. Agr. So. Africa
Doidge, E. M.
Report no. VI: Botany and plant pathology. In Ann. Rep. Dept. Agr. So. Africa, 1921/22 Journ. Dept. Agr. So. Afr. 5: 546-549 D.1922 no.6

Journ. Dept. Agr. So. Australia
Samuel, Geoffrey
On the control of the brown rot disease of oranges. Journ. Dept. Agr. So. Austr. 26: 322-324 illus. N.1922 no.4

Journ. Dept. Agr. Victoria
Davey, H. W.
Weeds and their eradication (cont.) Journ. Dept. Agr. Victoria 20: 667-670 illus. N.1922 no.11.
Onion grass (Romulea cruciata); Onion weed (Asphodelus fistulosus)

Journ. Gen. Physiol.
Harvey, E. N., 1887-
The permeability of cells for oxygen and its significance for the theory of stimulation Journ. Gen. Phys. 5: 215-222 N.1922 no.2

Irvin, Marian
The permeability of living cells to dyes as affected by hydrogen ion concentration Journ. Gen. Phys. 5: 223-224 N.1922 no.2.
Experiments with Nitella

Osterhout, W. J. V.
Some aspects of selective absorption Journ. Gen. Phys. 5: 225-230 N.1922 no.2
Experiments with Valonia

Journ. Genetics

Harland, S.C.
Inheritance in Ricinus communis L. Pt.II
Journ. Gen. 12 : 251-253 D.1922 no.3

Harland, S. C.
Inheritance of certain characters in the cowpea (Vigna sinensis) Pt. III The very small-eye pattern of the seed-coat Journ. Gen. 12: 254 D.1922

Leake, H. M.
The coloration of the testa of the poppy seed (Papaver somniferum L.) Journ. Gen. 12: 247-249 D.1922 no.3

Punnett, R. C.
On a case of patching in the flower colour of the sweet pea (Lathyrus odoratus) Journ. Gen. 12: 255-281 col. pl. xxi D.1922 no.3

Sverdrup, Aslaug
Postaxial polydactylism in six generations in of a Norwegian family Journ. Gen. 12: 217-240 pl.xv-xx D.1922 no.3.
Literature cited: p . 240

Schmidt, Johs.
Diallel crossings with the domestic fowl Journ. Gen. 12: 241-245 D.1922 no.3

Journ. Ind. Bot.

Almeida, J. D. d'
The Indian Ophioglossums Journ. Indian Bot. 3: 58-65 illus., pl. D.1922 no2/4

Dastur, R. H. and Saxton, W. T.
The oecology of some plant communities in the savannah formation Journ. Indian Bot. 3: 34-51 2 pl. D.1922 no.2/4
Literature cited: p. 51.

Debbarman, P. M.
Some observations on the anchoring pads of gymnopetalum cochinchinense Kurz and some other cucurbitaceous plants. Journ. Indian Bot. 3: 52-57 pl. D.1922 no.2/4
List of books and papers consulted: p. 57.

Fyson, P. F.
The Indian species of Eriocaulon (cont.) Journ. Indian Bot. 3: 91-115 D.1922 no.2/4

Kashyap, Shiv Ram. and Pande, Shiva Kant
A contribution to the life-history of Aneura indica St. Journ. Indian Bot. 3: 79-89 illus. D.1922 no.2/4.

Saxton, W. T.
Autonomous movements in Eleiotis sororia DC. Journ. Indian Bot. 3: 72-78 illus. D.1922 no.2/4

Saxton, W. T.
Mixed formations in time: a new concept in oecology Journ. Indian Bot. 3: 30-33 D.1922 no.2/4

Journ. Linn. Soc. Bot.

Arber, E. A. Newell
Critical studies of coal-measure plant-impressions Journ. Linn. Soc. Bot. 46: 171-217 pl.8-15 O. 1922 no.307
List of references: p. 216-217.

Christy, Miller
The pollination of the British Primulas. Journ. Linn. Soc. Bot. 46: 105-139 S.1922 no.306

Journ. Linn. Soc. Bot. (cont.)

Groves, James

On Charophyta collected by Mr. Thomas Bates Blow, F.L.S., in Ceylon Journ. Linn. Soc. Bot. 46: 97-103 pl.6 S.1922 no.306

Nitella leptodactyla, N. mucosa n. sp.

Seward, A. C.

A study in contrasts: the present and past distribution of certain ferns Journ. Linn. Soc. Bot. 46: 219-240 pl.16-19 O.1922 no.307

Hooker lecture

A systematic account of the plants collected in New Caledonia and the Isle of Pines by Prof. R.H. Compton, M. A., in 1914. Pt. I-III Journ. Linn. Soc. Bot. 45: 245-417, 421-466 pl. 13-24, 26-27 S.1921-Mr.1922; 46: 13-96 pl. 2-5 Je.1922

Pt.I Flowering plants (Angiosperms).

Monocotyledons. By A. B. Rendle.-- Dicotyledons, Polypetalae. By E. G. Baker; Gamopetalae. By S. Le M. Moore.-- Monochlamydeae. By S. Le M. Moore

Pt.II. Gymnosperms. By R.H.Compton.-- Pteridophyta By R.H. Compton.-- Musci. Par I. Thérrot.

Pt.III. Cryptogams: Hepaticae. By W.H.Pearson.-- Marine algae. By A. Gepp. -- Freshwater algae. By Nellie Carter.-- Charophyta. By James Grove.-- Lichens. By A. Lorrain Smith. -- Fungi. By E.M. Wakefield. -- Mycetozoa. By G. Lister.

Journ. Min. Agr. Gt. Brit.

Salmon, E. S.

The "mosaic" disease of the hop Journ. Min. Agr. Gt. Brit. 29: 927-934 pl. Ja.1923

Journ. Pomol. & Hort. Sci.

Boyes, D.

Notes on the characters of apple tree shoots. Journ. Pomol. & Hort. Sci. 3: 36-46 illus. N. 1922 (Ja.1923) no.1.

Bunyard, E. A.

An introductory note on the history and development of the raspberry. Journ. Pomol. & Hort. Sci. 3: 5-6 N.1922 (Rec'd. Ja.1923) no.1

Grubb, N. H.

Commercial raspberries and their classification Journ. Pomol. & Hort. Sci. 3: 11-35 plates N.1922 (Rec'd. Ja.1923) no.1

Journ. Wash. Acad. Sci.

Maxon, W. R.

The genus Microstaphyla Journ. Wash. Acad. Sci. 13: 28-31 Ja.19 1923

M. furcata, M. moorei; M. columbiana n. sp.

Landw. Jahrb. Schweiz.

Müller, Hermann (Thurgau)

Pflanzenphysiologische und pflanzenpathologische abteilung Ber. Schweiz. Versuchsanst. Obst-, Wein- u. Gartenb. Wädebswil. 1917-20 Landw. Jahrb. Schweiz 36: 808-867 1922 no.6

Lund Univ. Arsskr.

Murbeck, Svante

Beiträge zur biologie der wüstenpflanzen II Die synaptosperme Lund Univ. Arsskr. n.f., avd. 2, v.17, nr.1 52 p. illus. D.1920

Murbeck, Svante

Sur quelques espèces nouvelles ou critiques des genres Celsia et Onopordon Lund Univ. Arsskr. n.f., avd. 2, v. 17, no. 9 18 p. illus., iv pl. N.1921

Celsia barnadesii, C. faurei, C. commixta, C. insularis, Onopordon dissectum

Mém. & Compt. Rend. Congr. Nat. Cult. Plant. Méd.

Allorge, V.
Les menthes cultivées Mém. et Compt. Rend. Congr. Nat. Cult. Plant. Méd. 2: 58-80 iii pl. 1922

Daniel, Lucien
Notes botaniques et biologiques sur les menthes Mém. et Compt. Rend. Congr. Nat. Cult. Plant. Méd. 2: 50-57 1922

Fron, E.
Etude sur les maladies des menthes Mém. & Compt. Rend. Congr. Nat. Cult. Plant. Méd. 2: 90-94 1922
Most important disease, rust.

Mem. Dept. Agr. India Bot. Ser.

Parnell, F. R.
The inheritance of characters in rice II Mem. Dept. Agr. India Bot. Ser. v11, no.8 p.185-208 v. pl. (partly col.) Jl.1922
Assisted by G.N.Rangaswami Ayyangar, K. Ramaih, C.R. Srinivasa Ayyangar

Sundararaman, S.
A new ginger disease on Godavari district Mem. Dept. Agr. India Bot. Ser. v.11, no.9 p.209-217 iv pl. (partly col.) S.1922
Vermicularia zingibereae n. sp.

Naturw. Umschau Chem.-Zeit.

Janisch, Ernst
Arthur Meyers letzte ideen über die struktur des protoplasten Naturw. Umsch. Chem. Zeit. 11: 100-103 1922 no.11/12

Philipp. Agr.

McWorter, F. P.
The nature of the organism found in the Fiji galls of sugar cane. Philippine Agr. 11: 103-111. pl. i-ii N.1922 no.4
Bibliography: p. 110-111
Plasmodial body present in cells of Fiji galls, is an ameba, name proposed: Phytamoeba sacchari

Progr. Agr. & Vitic.

Vercier, J.
Soins a donner aux arbres blessés ou parasités Progr. Agr. et Vitic. 78: 620-623 D.24,1922 no.52.

Queensl. Agr. Journ.

"Bunchy top" disease in bananas, interesting experiments. Queensl. Agr. Journ. 18: 307. O.1922.
Use of sulphur followed in the next year by "basic super" containing 45 per cent lime and 17 per cent phosphoric.
"Bunchy top" in bananas. Queensl. Agr. Journ. 18: 368-369 N.1922.
Includes note on "choke throat" often mistaken for bunchy top, former due to dry weather.

Jensen, H. I.
The physiography of North Australia III Queensl. Agr. Journ. 18: 339-340 N.1922 no.5

White, C. T.
Illustrated notes on the weeds of Queensland no. 27. Tumbling mustard (Sisymbrium orientale) Queensl. Agr. Journ. 18: 362-363 illus. N.1922 no.5

Queensl. Agr. Journ.
White, C.T. & Francis, W. D.
Queensland trees. no.15. The hauer (Dissilaria baloghioides) Queensl. Agr. Journ. 18: 359-361 illus. N.1922 no.5

Rev. Agr. Puerto Rico
López Santiago, Bernardo
Algunas enfermedades del tomate en Puerto Rico Rev. Agr. Puerto Rico v.9, no.6 p.33-37 illus. D.1922
Literatura citada: p. 37
El moho o verdin de la joja (Cladosporium fulvum Cke) - La marchitez (Fusarium lycopercisi Sacc.) La marchitez microbiana o "brown rot" de la solanáceas (Bacillus solanacearum E.F.S.)

Rev. Facul. Agron. & Vet. Univ. Buenos Aires
Parodi, L. R.
Las gramineas de la region de Concordia (province de Entre Rios) Rev. Fac. Agron. y Veter. Univ. Nac. Buenos Aires 4: 24-102 illus. 1922 no.1

Rev. Hort.
Foëx, Etienne
Les gales de la pomme de terre (cont.) Rev. Hort. 94: 261-262 D.16,1922 no.12

Science
Bingham, H. C.
A scientific clearing house Science 57: 55 Ja. 12,1923 no.1463
Personnel file for American investigators in the biological and physical sciences maintained by the Research information service of the National Research Council.

Fenneman, N. M.
Recent work in paleobotany Science 57: 44-45. Ja.12,1923. no.1463

Gager, C. S.
A proposal for wild plant conservation. Science 57: 52-54 Ja.12,1923. no.1463

Lipman, J. G.
Tendencies in agricultural research. Science 57: 71-76 Ja.19,1923

Soil Sci.
Bouyoucos, George and McCool, M.M.
A study of the cause of frost occurrence in muck soils Soil Sci. 14: 383-389 N.1922 (Rec'd. Ja.1923) no.5.
Heat conductivity the predominant factor

Shive, J. W.
The relation of soil moisture to physiological salt balance for plants Soil Sci. 14: 391-411 N.1922 (Rec'd. Ja. 1923) no.5
References: p. 411.

So. Afr. Fruit Grow.

Fruit tree diseases and their treatment. So. African Fruit Grow. 9: 325, 327, 329 illus. N.,D.,1922. no.11-12.
Scab or Fusicladium of the apple; powdery mildew
Scab or Fusicladium of the loquat; leaf-blight of the loquat.

Svensk Bot. Tidskr.
Afzelius, Karl
Embryosackentwicklung und chromosomenzahl bei einigen Platanthera-arten Svensk Bot. Tidskr. 16: 371-382 illus. 1922. no.3/4
Zitierte literatur: p. 381-382.

Fries, R.E. and

Svensk. Bot. Tidskr. (cont.)
Fries, R. E. and Fries, T.C.E.
Die riesen-lobelien Afrikas Svensk Bot. Tidskr. 16: 383-416 illus. 1922 no.4
Lobelia keniensis, L. conraui, L. karisimbensis, L. bambuceti, L. aberdarica. L. utshungwensis, L. elgonensis, L. sattimae n. sp.

Fries, R. E. and Fries, T.C.E.
Ueber die riesen-senencionen der Afrikanischen hochgebirge Svensk Bot. Tidskr. 16: 321-340 illus. 1922 no.3/4
S. brassica, S. keniodendron, S. erici-resenii, S. aberdaricus, S. brassicarformis n. sp.

Tidsskr. Planteavl.

Havreaalens levevis og bekaempelse Tidsskr. Planteavl. 28: 557-560 illus. 1922
Medd. Stat. Forsøgsv. i Plantek. 93, Je.1922.

Lyspletsyge hos havre Tidsskr. Planteavl 28: 561-562 illus. 1922
Medd. Stat. Forsøgsv. i. Plantek. 94. Jl.1922.

Kaalbrok. Tidsskr. Planteavl 28: 563-566 illus. Jl.1922
Medd. Stat. Forsøgsv. i Plantek. 95 Jl.1922

U. S. Dept. Agr. Bull.
Chambliss, C.E. & Jenkins, J.M.
Some new varieties of rice U.S.Dept. Agr. Bull. 1127. 18 p. iv pl. on 2 Ja.1923

Reddy, C.S. & Brentzel, W. E.
Investigations of heat canker of flax. U.S. Dept. Agr. Bull. 1120 18 p. v pl. O.1922 (Rec'd. Ja. 1923)
Literature cited: p. 17-18

Exper. Stat. Publ.
Fernald, H. T. and Bourne, A. I.
II. Calcium arsenates and arsenites. III. Notes on other arsenicals. Mass. Agr. Exp. Stat. Bull. 210. 98 p. Ag.1922

Wolf, F. A.
Wildfire of tobacco North Carolina Agr. Exp. Stat. Bull. 246 26 p., 1 l. illus. N. 1922
Literature cited: leaf at end

NEW BOOKS

Congrès de la production coloniale de l'Exposition coloniale de Marseille de 1922.
Mémoires et rapports sur les matières grasses 1922 2 vols.

Fruwirth, C.
Handbuch der landwirtschaftlichen pflanzenzüchtung. 4. neubearb. aufl. v.4. Die züchtung der vier hauptgetreidearten und der zuckerrübe. Von C. Fruwirth, Th. Roemer & E. Tschermak 1923

Garden club of America
Pronunciation of plant names New York, 1923.

New Books (cont)

Schenck, Heinrich
Vegetationsbilder aus der Sierre de Mixteca, Mexiko In Karsten, G. Vegetationsbilder r. 14, h.5/6 pl. 25-36 1922

North American flora v. 7, pt.8, p. 541-604
D.1922
Micropuccinia (concl.) J.C.Arthur and H.S.Jackson.

Müller, Karl
Rebschädlinge und ihre neuzeitliche bekämpfung 2. umgearb. aufl. Karlsruhe, 1922.

Library, Bureau of Plant Industry
Current Author Entries, 1923, List 102.
Indexed, Jan. 29 - Feb.10, 1923.

Agr. Journ. India
Bhide, R. K.
A cause of sterility in rice flowers Agr. Journ. India 17: 584-586 N.1922 no.6

Mann, H. H. and Nagpurkar, S. D.
Further investigations on the Fusarium blights of potatoes in western India Agr. Journ. India 17: 564-576 N.1922 no.6
For earlier contribution see his Investigations on potato cultivation in western India.

Am. Bee Journ.
Lovell, J. H.
Soils and plants. A discussion of the various types of soils and the plant life adapted to each Amer. Bee Journ. 63: 68-70 illus. F.1923 no.2

Amer. Journ. Bot.
Baldre, A. L.
A comparative study of sand and solution cultures of Marquis wheat Amer. Journ. Bot. 10: 18-31 Ja.1923 no.1
Literature cited: p. 30-31.

Campbell, D. H.
Australasian botanical notes I Amer. Journ. Bot. 10: 38-56 illus. 1923. no.1.
I. Queensland and New South Wales

Seifriz, William
The gregarious flowering of the orchid Dendrobium crumenatum Amer. Journ. Bot. 10: 32-37 Ja.1923 no.1
Bibliography: p. 37.

Yuncker, T.G.
Revision of the South American species of Cuscuta II Amer. Journ. Bot. 10: 1-17 pl. i-v Ja. 1923 no.1

Amer. Journ. Pharm.
Black, O. F., Kelly, J.W. and Stockberger, W.W.
A chemical examination of a Venezuelan jaborandi Amer. Journ. Pharm. 95: 4-7 Ja.1923 no.1

Ann. Sci. Nat. Bot.
Jonesco, Stan
Recherches sur le role physiologique des anthocyanes. Ann. Sci. Nat. X, Bot. 4: 301-403. D.1922 no.6
Index bibliographique: p. 401-403

Biochem. Zeitschr.
Kretz, Fritz
Ueber den mikrochemischen nachweis von tryptophan in der pflanze Biochem. Zeitschr. 130: 86-98 Je.1922 no.1/3

Bot. Tidsskr.
Christensen, Carl
Dansk botanisk litteratur i 1918, 1919 og 1920 Bot. Tidsskr. 37: 337-362 D.1922 no.5

Clausen, J.
Studies on the collective species Viola tricolor L. II Bot. Tidsskr. 37: 363-416 illus. D.1922 no.5

Jørgensen, C. A.
Heleococcum aurantiacum n. gen. et n. spec. Bot. Tidsskr. 37: 417-420 illus. D.1922

Bryologist

Andrews, A. L.
The status of Gyroweisia in North America Bryologist 25: 97-100 N.1922 (Rec'd F. 1923) no.6
Has no valid status

Giardini, G. I.
A preliminary report of the lichens of western Pennsylvania Bryologist 25: 100-108 N.1922 no.6 (Rec'd F.1923)

Bull. Agr. Res. Inst. Pusa

Atkins, W.R.G.
The hydrogen ion concentrations of some Indian soils and plant juices Bull. Agr. Res. Inst. Pusa no.136 12 p. 1922
Bibliography: p. 12

Prasad, Ram
Note on the probability of an inter-relation between the length of the stigma and that of the fibre in some forms of the genus Gossypium Bull. Agr. Res. Inst. Pusa no.137 7 p. 2 pl. 1922

Bull. Dept. Agr. Bermuda

Whetzel, H. H.
Celery diseases Agr. Bull. Bermuda Dept. Agr. 2: 7-8 Ja.1923 no.1

Bull. Torr. Club

Britton, N. L.
Studies of West Indian plants XI Bull. Torr. Club 50: 35-56 Ja.1923 no.1
64. Undescribed species of Cuba

Brown, E. D. W.
Apogamy in Phegopteris polypodioides Bull. Torr. Club 50: 17-34 Ja.1923 no.1
Literature cited: p. 33-34

Mackensie, K.K.
Notes on Carex XII. Bull. Torr. Club 49: 361-373 D.1922 (Ja.1923) no.12
1. An inland relative of a salt marsh sedge (Carex richii n. sp.). 2. A segregate from Carex albolutescens (C. cumulata n. sp.) 3. A northern relative of Carex brevior (C. merritt-fernaldii)

Munz, P. A. and Johnston, I.M.
Miscellaneous notes on plants of Southern California II Bull. Torr. Club 49: 349-359 D.1922 (Ja.1923) no.12

Oldenbusch, Carrie
Stimulation of plants by carbon disulphide Bull. Torr. Club 49: 375-389 D.1922 (Ja.1923) no.12
Literature cited: p. 387-389

Smith, E. L.
The histology of certain orchids with reference to mucilage secretion and crystal formation. Bull. Torr. Bot. Club 50: 1-16 Ja.1923 no.1
Bibliography: p. 14-16

Circ. Dept. Agr. Uganda

Small, William
Diseases of cereals in Uganda Circ. Dept. Agr. Uganda no.8 27 p. incl. plates 1922

Il Coltiv

Mancini, E.
Alcune osservazioni sulle spighe ginocchiate di frumento (cont.) Il Colt. 68: 587-591 illus. D. 30, 1922 no.36

Compt. Rend. Acad. Agr. France
Moreau, L. and Vinet, E.
Contribution a l'étude de l'apoplexie de la vigne et de son traitement Compt. Rend. Acad. Agr. France 9: 32-36 Ja.1923 no.1

Compt. Rend. Soc. Biol. Paris
Hocquette, Maurice
Observations sur le nombre des chromosomes chez quelques renonculacées Compt. Rend. Soc. Biol. Paris 87: 1301-1303 D.1922 no.38

Maige, Albert
Influence de la nutrition organique sur le noyau des cellules végétales Compt. Rend. Soc. Biol. Paris 87: 1297-1300 D.1922 no.38

Compt. Rend. Acad. Sci. Paris
Bathellier, Jean
Sur les jardins à champignons de l'Eutermes matagensis Haviland. Compt. Rend. Acad. Sci. Paris 176: 129-131 Ja.1923 no.2

Dangeard, P. A. and Dangeard, P.
Sur la vitalité des feuilles d'Aucuba conservées dans le vide Compt. Rend. Acad. Sci. Paris 176: 49-53 Ja.1923 no.2.

Country Life London
Barns, T. A.
The land of the giant craters Country Life 53: 74-76 illus. Ja.1923 no.1359

Dykes, W. R.
Tulip species II Country Life 53: 112-113 illus. Ja.1923 no.1360

Cultura
Paerels, J. J.
Eenige aetherische oliën uit Ned.-Indië Cultura 34: 257-261 S.1922

For. Leaves
Illick, J. S.
Big and historic trees of Lancaster County For. Leaves 19: 8-9 pl.i F.1923 no.1

Fühl. Landw. Zeit.
Zade, Adolf
Experimentelle untersuchungen über die infektion des hafers durch dem haferflugbrand (Ustilago avenae Jens.) Fühl. Landw. Zeit. 71: 393-406 illus. Nov.1922 no. 21/22

Gard. Chron.
Brown, E.
Mystery plants of Uganda. Gard. Chron. III, 73: 36 illus. Ja.20, 1923 no.1882

Jacob, Joseph
Hogg and florists' flowers Gard. Chron.III, 73: 6-7 Ja.6,1923 no.1880
Account of supplement to Hogg's work publ. in 1833

Mottet, Serp ahim
Degeneration of the potato Gard. Chron. III, 73: 25-26, 38-39 Ja.13-20 1923. no.1881-82.
Transl. from Journ. Soc. Nat. Hort. France s.4, v.23

O'Brien, James
Angraecum mirabile hort. Gard. Chron.III, 73: 17 Ja.1923 no.831
New species from West Africa

Gard. Chron.

Richardson, A. D.
Witches' broom on silver fir Gard. Chron. III, 73: 11 illus. Ja.6,1923 no.1880
Melampsorella caryophyllacearum on Abies pectinata

Savage, S.
Early botanic painters no.1 Gard. Chron. III, 73: 8 illus. Ja.6,1923. no.1880

Savage, S.
A rare early tract on tulip growing Gard. Chron. III, 73: 31 illus. Ja.20,1923

Ward, F. K.
Mr. Kingdon Ward's seventh expedition into Asia no.6, Back to Mu-li Gard. Chron. III, 73: 22 Ja.13,1923 no.1881

Webster, A. D.
Grey-leaved shrubs for the seaside Gard. Chron. III, 73: 12 Ja.6, 1923 no.1880

Geogr. Journ.

Gillman, C.
An ascent of Kilimanjaro Geogr. Journ. 61: 1-27 illus. (map) 2 pl. Ja.1903. no.1

Hardwood Rec.

Hubert, E. E.
"Interior dote" in elm. Hardwood Rec. v.54, no.6 p.18-20. illus. Ja.10,1923
Fungus somewhat resembles Polystictus versi-color

Jahrb. Wiss. Bot.

Iljin, W. S.
Ueber den einfluss des welkens der pflanzen auf die regulierung der spaltöffnungen. Jahrb. Wiss. Bot. 61: 670-697 1922 no.4

Iljin, W. S.
Die wirkung hochkonzentrierter lösungen auf die stärkebildung in den spaltöffnungen der pflanzen Jahrb. Wiss. Bot. 61: 698-712 1922 no.4

Janse, J. M.
Reizwirkung bei rektipetalität und bei senkrechtem wachstum Jahrb. Wiss. Bot. 61: 590-609 1922 no.4

Klebahn, Heinrich
Neue untersuchungen über die gaswakuolen Jahrb. Wiss. Bot. 61: 535-589 illus. 1922 no.4
Literatur: p. 587-589

Kümmler, Alfred
Ueber die funktion der spaltöffnungen weissbunter blätter Jahrb. Wiss. Bot. 61: 610-669 v. pl.ii 1922 no.4
Verzeichnis der zitierten literatur: p. 666-668

Journ. Agr. Res.

Black, O.F., Eggleston, W.W., Kelly, J.W. & Turner, H.C.
Poisonous properties of Bikukulla cucullaria (Dutchman's-breeches) and B. canadensis (Squirrel-corn) Journ. Agr. Res. 23: 69-78 pl.i Ja.13,1923 (F.1923) no.2
Literature cited: p. 78

Harrington, G.T.
Forcing the germination of freshly harvested wheat and other cereals. Journ. Agr. Res. 23: 79-100 Ja.13, 1923 (F.1923) no.2
Literature cited: p. 97-100

Journ. Agr. Res.
Harrington, G.T. & Crocker, Wm.
A new and efficient respirometer for seeds and other small objects: directions for its use Journ. Agr. Res. 23: 101-115 illus., pl. Ja.13,1923 (Feb.) no.2. Literature cited: p. 113-115

Harrington, G.T.
Respiration of apple seeds Journ. Agr. Res. 23: 117-130 Ja.13,1923 (Feb.) no.2
Literature cited: p. 129-130

Journ. Dept. Agr. So. Africa
Doidge, E. M.
Potato diseases Journ. Dept. Agr. So. Africa 6: 71-78 illus. Ja.1923 no.1

Journ. N. Y. Bot. Gard.
Britton, E. G.
Holly, laurel and winterberry Journ. New York Bot. Gard. 23: 177-181 pl.281 D.1922 no.276 (Ja.1923)

Malayan Agr. Journ.
Sands, W. N.
Botanical notes on the Brazil nut tree in Malaya Malayan Agr. Journ. 10: 130-132 My.1922 no.5

Sharples, A.
A consideration of recent work on the brown bast problem Malayan Agr. Journ. 10: 155-170 Je. 1922 no.6

Mycologia
Fitzpatrick, H. M.
Monograph of the Nitschkieae Mycologia 15: 23-44 pl. 1-7 Ja.1923 no.1
Nitschkieae subfamily incl. Nitschkia, Calyculosphaeria, Tympanopsis, Thaxteria, Acanthonitschkea.

Murrill, W. A.
Dark-spored agarics V (Psilocybe) Mycologia 15: 1-22 Ja.1923

Nat. Hort. Mag.
Heath, F. M.
North Dakota wild flowers in cultivation National Hort. Mag. 1:1, 3, 7 Ag., N.1922

Nature
Bateson, William
Area of distribution as a measure of evolutionary age Nature 111: 39-43 Ja.13,1923
Review of J. C. Willis's Age and area 1922

Belgian botany: a record of war time Nature 111: 97-98 illus. Ja.20,1923 no.2777

Semmens, E. S.
Effect of moonlight on the germination of seeds Nature 111: 49-50 Ja.15,1923 no.2776

New Phytol.
Christy, Miller
The origin of the hybrid Primula elatior x vulgaris demonstrated experimentally in the field, with notes on other British Primula hybrids. New Phytol. 21: 293-300 D.1922 no.5

Priestley, J.H. and Woffenden, L.M.
Physiological studies in plant anatomy V. Causal factors in cork formation New Phytol. 21: 252-268 D.1922 no.5
References: p. 267-268

New Phytol.

Soar, Isabel
The structure and function of the endodermis in the leaves of the Abietineae New Phytol. 21: 269-292 illus. D.1922 no.5
Bibliography: p. 292

Stiles, Walter
Permeability Chap. X. The influence of external conditions on the intake and excretion of water by plant cells and tissues. New Phytol. 21: 233-254 D.1922 no.5

New Zeal. Journ. Agr.

Atkinson, Esmond
Weeds and their identification (Japanese whortleberry (Rubus phoenicolasius Maxim) New Zeal. Journ. Agr. 25: 351-353 illus. D.1922 no.6

Cunningham, G. H.
Coral-spot, Nectria cinnabarina (Tode) Fries. A wound-parasite of fruit-trees. New Zeal. Journ. Agr. 25: 354-359 illus. D.1922 no.6
Literature consulted: p. 359

Waters, R.
Apple flesh-collapse or brown-heart. Some recent investigational work. New Zeal. Journ. Agr. 25: 334-340 D.1922 no.6

Notes R. Bot. Gard. Edinb.

Balfour, I. B.
Rhododendron: diagnoses specierum novarum II Notes Roy. Bot. Gard. Edinb. 13: 223-306 Ap. 1922 no.65

Smith, W. W.
Two new West African Ceropegias Notes Roy. Bot. Gard. Edinb. 13: 307-309 Ap.1922 no.65
C. porphyrotricha, C. tamalensis

Philipp. Journ. Sci.

Merrill, E. D.
Additions to our knowledge of the Bornean flora Philipp. Journ. Sci. 21: 515-534 D.1922 (1923) no.6

Phytopath.

Weber, G. F.
Septoria diseases of cereals II Septoria diseases of wheat. Phytopath. 12: 537-585 illus., pl. xxxiii-xxxvi D.1922 (Ja.1923) no.12
Literature cited: p. 583-585

Proc. Agr. Soc. Trinidad & Tobago

Stell, Frank
Some common diseases of kitchen garden crops Proc. Agr. Soc. Trinidad & Tobago 22: 779-785 N.1922 no.11

Proc. Amer. Acad.

Wainio, E. A.
Lichenes in insula Trinidad a Professore R. Thaxter collecti Proc. Amer. Acad. Arts & Sci. 58: 131-147 Ja.1923 no.3

Queensl. Agr. Journ.

White, C. T.
Queensland trees, no.16 Red carabeen (Weinmannia benthami) Queensl. Agr. Journ. 18: 394-396 illus. D.1922 no.6

Queensl. Agr. Journ.
White, C. T.
Weeds of Queensland no.28 The Jo Jo weed (Soliva sessilis) a new lawn pest Queensl. Agr. Journ. 18: 398-399 illus. D.1922 no.6

Repert. Europ. & Med.
Pilger, Robert
Ueber die formen von Plantago major L. Repert. Europ. et Medit. 1: 498-523 0.1922 no.10/18

Zimmermann, Walther
Parapactis nov. gen., eine übersehene orchidaceengattung Repert. Europ. et Medit. 1: 523-527 illus. 0.1922 no.10/18

Repert. Spec. Nov. Fedde
Becker, Wilhelm
Viola huanucoënsis W. Bckr. und Viola truncata Meyen. Repert. Spec. Nov. 18: 186-187 0.1922 no.10/18
V. huanucoënsis nom. nov. (syn. V. truncata)

Becker, Wilhelm
Violae novae Americae meridionalis Repert. Spec. Nov. 18: 180-186 0.1922 no.10/18
South American species

Bitter, Georg
Sesseopsis vestioides (Schlchtdl.) Bitt. nov. Comb. Repert. Spec. Nov. 18: 225-227 0.1922 no.10/18

Bitter, Georg
Zur gattung Sessea Repert. Spec. Nov. 18: 199-225 0.1922 no.10/18

Brause, Guido
Filices novae domingenses Repert. Spec.Nov. 18: 245-247 0.1922 no.10/18
Lindsaya abbottii, Diplazium leonardi, D. urbani, Asplenium abbottii, A. smsanae

Dinter, K.
Index der aus Deutsch-Südwestafrika bis zum jahre 1917 bekannt gewordenen pflanzenarten XI Repert. Spec. Nov. 18: 248-256 0.1922 no.10/18

Harms, Hermann
Leguminosae americanae novae III Repert. Spec. Nov. 18: 233-237 0.1922 no.10/18

Henrard, J. Th
Eragrostis timorensis spec. nov. aus Indien Repert. Spec. Nov. 18: 240-241 0.1922 no.10/18

Henrard, J. Th
Panicum pseudovirgatum spec. nov. aus Laos Repert. Spec. Nov. 18: 241-242 0.1922 no.10/18

Henrard, J. Th
Paspalum yaguarorense spec. nov. aus Paraguay Repert. Spec. Nov. 18: 238-240 0.1922

Henrard, J. Th
Trichopteryx stolziana spec. nov. aus Nyassaland Repert. Spec. Nov. 18: 242-243 0.1922 no.10/18

Limpricht, Wolfgang
Neue Pedicularis aus Ost-Tibet 1- Repert. Spec. Nov. 18: 243-244 0.1922 no.10/18

Repert. Spec. Nov.

Mattfeld, Joh
Revision der gattung Pycnophyllum Remy Repert. Spec. Nov. 18: 167-179 O.1922 no.10/18

Mildbraed, Johannes
Zur kenntnis der Senecio-bäume der afrikanischen hochgebirge Repert. Spec. Noc. 18: 227-232 O.1922 no.10/18
S. kilimanjari, S. friesiorum n. sp.

Urban, Ignaz
Sertum antillanum XVI Repert. Spec. Nov. 18: 187-199 O.1922 no.10/18

Winkler, Hubert
Monographische übersicht der gattung Leptodermis Repert. Spec. Nov. 18: 146-166 O.1922 no.10/18

Winkler, Hubert
Urticaceae papuanae novae III Elatostema truncicola Repert. Spec. Nov. 18: 238 O.1922 no.10/18

Rev. Agr. Com. y Trab. Cuba

Algo sobre las falsas unfluencias de la luna sobre la vegetacion Rev. Agr. Com. y Trab. 5: 37-40 1922 no.5

Simonetto, Moises
Contribución sobre el estudio del mosaico en la caña de azúcar Rev. Agr. Com. y Trab. Cuba 5: 44-48 1922 no.5

Rhodora

Fernald, M. L.
The native tansy of New foundland. Rhodora 25: 13-16 Ja.1923 no.289

Fernald, M. L.
The southern variety of Thelypteris fragrans Rhodora 25: 1-4 Ja.1923 no.289
T. fragrans v. hookeriana

Gress, E. M.
Falcaria rivini, a plant new to the United States Rhodora 25: 12-13 Ja.1923 no.289

Wetmore, R. H.
Plants of the Hamilton Inlet and Lake Nelville region, Labrador Rhodora 25: 4-12 Ja.1923. no.289

Riv. Biol.

Borghesani, G.A.R.
L'ecologia vegetale e le sue applicazioni (cont.) Riv. Biol. 4: 689-705 N./D.1922 no.6

Science

International conference of phytopathology and economic entomology Science 57: 142. F.2, 1923. no.1466

Schultz, E. S. and Folsom, D.
A "spindling-tuber disease" of Irish potatoes. Science 57: 149 F.2,1923 no.1466

Scient. Agr.

Bisby, G.R.
Potato seed treatment tests in Manitoba Scient. Agr. 3: 219-221 F.1923 no.6
References: p. 221

Scient. Month.
Herre, A. W. C. T.
Lichens -- impossible plants Scient. Month. 16: 130-140 F.1923 no.2

Seed World
Jones, L. R. and Walker, J. C.
Yellows -- resistant cabbage varieties. Some necessary precautions for seedsmen to consider in the production and distribution of seeds of new special strains Seed world v.13, no.3, p.20-21 F.2,1923.

Trav. Sci. Univ. Rennes
Lesage, Pierre
Contribution à l' étude du stade graine, de ses causes et des moyen à employer pour les modifier Trav. Sci. Univ. Rennes 15: 5-10 1922

U. S. Dept. Agr. Bull.
Winston, J. R.
Citrus scab: its cause and control. U.S. Dept. of Agr. Bull. 1118 38 p. xvi pl. Ja. 26, 1923
Literature cited: p. 36-38

Zeitschr. Indukt. Abstamm. u. Vererbungsl.
Goldschmidt, Richard
Untersuchungen über intersexualität II Zeitschr. Indukt. Abstamm. u. Vererbungsl. 29: 145-185 pl.2 1922
Zitierte literatur: p. 185

Uphof, J. C. Th.
Eine polymorphe F1- generation aus der kreuzung von Phaseolus vulgaris und Phaseolus multiflorus Zeitschr. Indukt. Abstamm. u. Vererbungsl. 29: 186-192 illus. 1922. no.3/4

Zeitschr. Pflanzenkr.
Hintikka, T. J.
Die "wisa"-krankheit der birken in Finnland Zeitschr. Pflanzenkr. 32: 193-210 1922 no.5/6
Literature cited: p. 208-210

Ross, Hermann
Otto Jaap. Zeitschr. Pflanzenkr. 32: 210 214 1922 no.5/6
Schriftenverzeichnis: p. 212-214

Proc. Kansas Acad. Sic. (No. Rec'd. at Library of Congress not yet in Agr. Library)
Agrelius, F. U. G.
Botanical notes for 1918-20 Proc. Kansas Acad. Sci. 30(51st-53d ann. meet.): 121-123, 234-235, 392-396. 1922
Unusual seasonal activities of certain plants, 1918-19, 1919-20: p. 121-122, 234, 392-393.
Further notes on "potato" seed": p. 122
An experiment with certain twigs in winter condition: p. 122-123
Further notes on polycotyledony in certain plants: p. 123, 234-235, 393-394

Bartholomew, Elam
Edible mushrooms of Kansas Proc. Kansas Acad. Sci. 30(51st-53d ann. meet.): 174-179 1922

Havenhill, L. D.
The cultivation of medicinal plants Proc. Kansas Acad. Sci. 30 (51st-53d ann. meet.): 33-39 1922

Proc. Kans. Acad. Sci.

Lawson, P. B.
A list of the grasses of Douglas County. Proc. Kansas Acad. Sci. 30(51st-53d ann. meet.): 336-339 1922

Melchers, L. E.
Plant diseases heretofore unreported in Kansas Reported in 1914-17 Proc. Kansas Acad. Sci. 30: (51st-53d ann. meet.): 196-197 1922

Melchers, L. E.
Plant disease survey report for Kansas 1918 Proc. Kansas Acad. Sci. 30(51st-53d ann. meet.): 197-201 1922

Parker, J. H.
A review of literature on the rusts of oats, with notes on their distribution in the United States. Proc. Kansas Acad. Sci. 30(51st-53d ann. meet.): 71-118, 1922.
Literature cited: p. 117-118

Reinsch, E. F. A.
The weakening effect on a species of plants of being continually reproduced by artifical means Proc. Kansas Acad. Sci. 30 (51st-53d ann. meet.): 62-63 1922

Wilson, G. W.
Notes on some fungi from eastern Kansas Proc. Kansas Acad. Sci. 30(51st-53d ann. meet.): 171-174 1922

Exper. Stat. Publ.

Sandsten, E. P. and Tompkins, C.M.
Degeneration in Coloradd potatoes. Colorado Agr. Exp. Stat. Bull. 278 15 p. illus. N.1922
Bibliography: p. 15

Heald, F.D.
Division of plant pathology. Ann. Rep. Washington Agr. Exp. Stat. 32, 1921/22 (Its Bull. 175): 34-40 D.1922

Johnson, James and Fracker, S.B.
Tobacco wildfire in Wisconsin Wisconsin Agr. Exp. Stat. Bull. 348 21 p. illus. D.1922

NEW BOOKS

Ascherson, P.F.A.
Synopsis der mitteleuropäischen flora v.13 , lfg. 106 Compositae (Hieracium bearb. v. H. Zahn) bog.1-5 1922

Library, Bureau of Plant Industry
Current Author Entries, 1923, List 103
Indexed, Feb.12-24,1923.

Amer. Bot.
Clute, W. N.
Plant names and their meanings. XIV Scrophulariaceae Amer. Bot. 29: 18-23 F.1923 no.1

Clute, W. N.
The resurrection fern Amer. Bot. 29: 1-2 pl. F.1923 no.1

Stancliff, J. O.
Botanical notes from Tahiti Amer. Bot. 29: 3-6 F.1923 no.1

Arb. Forsch-Inst. Kartoffelb.
Wollenweber, H. W.
Krankheiten und beschädigungen der kartoffel. Arb. Forschungsint. Kartoffelb. no.7 56 p. incl. xx pl. 1923

Asia
Kaempffert, Waldemar
An Indian master-mind in science Asia 23: 173-176, 219 illus. includ. port. Mr.1923. no.3

Ber. Deut. Bot. Ges.
Cholodnyi, N.
Ueber eisenbakterien und ihre beziehungen zu den algen Ber. Deut. Bot. Ges. 40: 326-346 illus. D.1922 no.9
I. Sideromonas confervarum, eine neue art von eisenbakterien. II. Ueber die möglichkeit einer symbiose zwischen Sideromonas und Conferva. III. Ueber das zusammenleben von algen und eisenbakterien im allgemeinen.

Czaja, A. Th.
Studien zur apogamie leptosporangiater farne Ber. Deut. Bot. Ges. 40: 346-352 D.1922 no.9
I. Ueber die apogamie der Pellaea atropurpurea (L.) Link. und das auftreten von tracheiden im prothallium no.9
Literatur: p. 352

Kirchner, Oscar von
Zur selbstbestäubung der orchidaceen Ber. Deut. Bot. Ges. 40: 317-321 illus. D.1922 no. 9.

Kostychev, Sergei
Der bau und das dickenwachstum der dikotylestamme Ber. Deut. Bot. Ges. 40: 297-305 illus. D.1922 no.9

Neger, Franz W.
Beiträge zur kenntnis des baues und der wirkungsweise der lentizellen II Ber. Deut. Bot. Ges. 40: 306-313 illus. D.1922 no.9
Literatur: p. 313.

Rimbach, August
Lebensweise von Chloraea membranacea Ber. Deut. Bot. Ges. 40: 322-326 illus. D.1922 no.9.

Schürhoff, P. N.
Die befruchtung von Viscum album L. Ber.Deut. Bot. Ges. 40: 314-316 illus. D.1922 no.9
Literatur: p. 316

Ber. Deut. Chem. Ges.
Schmidt, Erich, Geisler, Eberhard, Arndt, Paul & Ihlow, Fritz.
Zur kenntnis pflanzlicher inkrusten III. Mitt. Ber. Deut. Chem. Ges. 56: 23-31 Ja.1923. no.1

Biochem. Zeitschr.
Iljin, W. S.
Wirkung der kationen von salzen auf den zerfall und die bildung von stärke in der pflanze. Biochem. Zeitschr. 132: 494-510. N.1922 no.4/6
_____ Synthese und hydrolyse von stärke unter dem einfluss der anionen von salzen in pflanzen II. mitteilung. Biochem. Zeitschr. 132: 511-525 N.1922
_____ Physiologischer pflanzenschutz gegen schädlicherwirkung von salzen. III. mitteilung Biochem. Zeitschr. 132: 526-542. N.1922

Stoklasa, Julius
Ueber die wirkung des selens auf den bau- und betriebsstoffwechsel der pflanze bei enweserheit der radioaktivität der luft und des bodens. Biochem. Zeitschr. 130: 604-643 Jl.1922 no.4/6

Bot. Mag. Tokyo
Nagiwara, Tokio
Genetic studies of corolla-design in the morning glory Bot. Mag. Tokyo 36: (205)-(225) D.1922
In Japanese
English résumé: p. 157-158

Kôketsu, Riichirô
Ueber die wirkungen der elektrischen reizung an den pflanzlichen gebilden Bot. Mag. Tokyo 36: 129-132 N.1922 no.431

Nakai, Takenoshin
Notulae ad plantas Japoniae et Koreae XXVIII Bot. Mag. Tokyo 36: 117-128 N.1922 no.431

Sakamura, Tetsu
Ueber die selbstvergiftung der spirogyren im destillierten wasser Bot. Mag. Tokyo 36: 133-153 D.1922 no.432
Literatur-verzeichnis: p. 153

Yasuda, A.
Notes on fungi Bot. Mag. Tokyo 36: (203)-(204), (228)-(229) N.-D.1922 no.431-2
In Japanese

Yasuda, Atsushi
Zwei neue arten von Polystictus Bot. Mag. Tokyo 36: 154-157 illus. D.1922 no.432
P. gypseus, P. orientalis

Bull. R. Soc. Tosc. Ortic.
Roster, Giorgio
La resistenza al freddo, la identificazione e la nomenclatura delle palme, con elenco dei giardini d'Italia dove si coltivano all'aria aperta (concl.) Bull. R. Soc. Tosc. Ortic. 47: 94-110 N./D.1922 no.11/12.

Bull. Soc. Hist. Nat. Afr. Nord.
Battandier, J. A.
Essai sur les raretés de la flore Algérienne Bull. Soc. Hist. Nat. Afr. du Nord 13: 280-284 1922 no.9

Surcouf, J.M.R.
Recherches sur la biologie du Phoenix dactylifera Etude sur la culture, les maladies et les parasites du palmier dattier en Algérie (suite) Bull. Soc. Hist. Nat. Afr. du Nord. 13: 293-312 1922 no.9
Maladies des palmiers: p. 305-310

Canad. Field Nat.

Davidson, John
Some inter-relationships of botany and the sister sciences Canad. Field Nat. 36: 168-172 D.1922 no.9

Mousley, Henry
Further noteson the orchids of Hatley, Stanstead County, Quebec, 1921-22 Canad. Field Nat. 36: 173-174 D.1922

Canada Hort.

Hockey, J. F.
Diseases of raspberries. Canad. Hort. 46: 29 illus. F.1923 no.3

Howitt, J. E.
Apple scab in Ontario Canad. Hort. 46: 23-24 F.1923

Compt. Rend. Acad. Sci. Paris

Lindet, Léon and Nottin, P.
Évolution des grains de fécule dans le tubercule de la pomme de terre Compt. Rend. Acad. Sci. Paris 176: 149-155 Ja.1923 no.3

Mangenot, G.
Sur l'amidon des algues floridées Compt. Rend. Acad. Sci. Paris 176: 183-185 Ja.1923 no.3

Puymaly, A. de
Nouveau mode de division cellulaire chez les conjuguées unicellulaires (desmidiacées sensu lat.) Compt. Rend. Acad. Sci. Paris 176: 186-188 Ja. 1923. no.3

Compt. Rend. Soc. Biol. Paris

Gain, Edmond
Sur les plantules carencées issues de graines de grand-soleil chauffées de 100° a 150° Comp. Rend. Soc. Biol. Paris 87: 1205-1208 D.1922 no.37

Ecology

Arrhenius, Olof
Statistical investigations in the constitution of plant associations. Ecology 4: 68-73 Ja. 1923
Literature cited

Bates, C. G.
The transect of a mountain valley. Ecology 4: 54-62 Ja.1923 no.1

Gates, F. C.
Influence of moonlight on movements of leguminous leaflets. Ecology 4: 37-39 Ja.1923 no.1

Larsen, J. A.
Association of trees, shrubs, and other vegetation in the northern Idaho forests. Ecology 4: 63-67 Jan.1923 no.1
Literature cited

Nichols, G. E.
A working basis for the ecological classification of plant communities Ecology 4: 11-23 Ja.1923 no.1

Visher, S. S.
Tropical climates from an ecological viewpoint Ecology 4: 1-10 Ja.1923 no.1

Florida Grow.

Winston, J. R.
Spraying for citrus scab. Florida Grow. v.27, no.6, p. 7 F.10,1923

Gard. Chron.

Taylor, G. M.
Degeneration of the potato Gard. Chron.III, 73: 54 Ja.27,1923 no.1883

Ward, F. K.
Mr. Kingdon Ward's seventh expedition in Asia no.7 To the Sho-lo river. Gard. Chron. III, 73: 50 Ja.27,1923 no.1883

Genetica

Lotsy, J. P.
Current theories of evolution Genetica 4: 385-416 S./N.1922 no.5/6

Mohr, O.L.
O. Winge's paper "The interaction between two closely linked lethals in Drosophila as the cause of the apparent constancy of the matant "spread". A necessary rectification Genetica 4: 457-461 S./N.1922 no.5/6
Reply by O. Winge: p. 461

Frets, G. P.
The index cephalicus Genetica 4: 481-534 S./N.1922 no.5/6
Literature p. 532-534

Tjebbes, K. & Kooiman, H. N.
Erfelijkheidsonderzokingen bij boonen VII. bloemkleur en zaadhuidkleur Genetica 4: 447-456 S./N.1922 no.5/6

Tower, W. L.
Darwinism. An analysis by observation and experiment. A digest and preliminary statement of results Genetica 4: 417-442 S./N.1922 no.5/6

Wellensiek, S. J.
De erfelikheid van det al of niet bezit van "draad" bij rassen van Phaseolus vulgaris L. (Heredity of stringiness of Phaseolus vulgaris L. varieties) Genetica 4: 443-446 S./N.1922 no.5/6
English summary

Indian For.

Coleman, L. C.
The transmission of sandal spike Indian For. 49: 6-9 3 pl. Ja.1923 no.1

Journ. Agr. Prat.

Noffray, E.
Dangers des parasites des plantes spontanées Journ. Agr. Prat. 87: 77-79 Ja.27,1923 no.4

Winberg, O.
Contre la dégénérescence de la pomme de terre Journ. Agr. Prat. 87: 57-58 Ja.20, 1923. no.3

Journ. Agr. Res.

Allen, Ruth F.
A cytological study of infection of Baart and Kanred wheats by Puccinia graminis tritic Journ. Agr. Res. 23: 131-151 5 pl. Ja.20,1923 (F.21)
Literature cited: p. 149-151 no.3

Harrington, G. T. and Hite, B. C.
After-ripening and germination of apple seeds. Journ. Agr. Res. 23: 153-161 Ja.20, 1923 (F.21)
Literature cited: p. 160-161 no.3

Harrington, G. T. and Crocker, Wm.
Structure, physical characteristics and composition of the pericarp and integument of Johnson grass seed in relation to its physiology. Journ. Agr. Res. 23: 193-222 illus. Ja.20,1923 (F.21)
Literature cited: p. 221-222

Journ. Agr. Res. (cont.)

Kelly, J. W.
Probable cause of the toxicity of the so-called poisonous greensand Journ. Agr. Res. 23: 223-228 3 pl. Ja.20,1923 (F.21) no.3

Journ. Bot.

Christy, Miller
The common teasel as a carnivorous plant. Journ. Bot. 61: 34-35 F.1923 no.722

Fawcett, Wm.
Notes on Jamaican Ternstroemiaceae Journ. Bot. 61: 52-54 F.1923 no.722
1. Cleyera. 2. Eroteum and Freziera. 3. Laplacea or Lindleya.

Norman, Cecil
Diplolophium and Physotrichia Journ. Bot. 61: 56-58 F.1923 no.722

Journ. Ecol.

Arrhenius, Olof
A new method for the analysis of plant communities Journ. Ecol. 10: 185-199 N.1922 no.2
Literature: p. 198-199

Burtt, Davy, Joseph
The suffrutescent habit as an adaptation to environment Journ. Ecol. 10: 211-219 illus. N.1922 no.2
References: p. 219

Christy, Miller
Primula elatior Jacquin: its distribution in Britain Journ. Ecol. 10: 200-210 pl. xviii (map) N.1922
Bibliographical foot notes

Fritsch, F. E.
The terrestrial alga Journ. Ecol. 10: 220-236 N.1922 no.2
Bibliography: p. 235-236

Osmaston, A. E.
Notes on the forest communities of the Garhwal Himalaya Journ. Ecol. 10: 129-167 pl.viii-xvi N.1922 no.2

Tansley, A. G.
Studies of the vegetation of the English chalk II. Early stages of redevelopment of woody vegetation of chalk grassland. Journ. Ecol. 10: 168-177 illus., pl. xvii N.1922 no.2

Journ. Hered.

Benedict, R. C.
Which Boston fern is best? Prospectus of an experiment to answer this question. Journ. Hered. 13: 255-264. illus. Je.1922(F.15,1923) no.6

Cook, O. F.
Are any species uniform? Or should the assumption of "pure" species be discarded and diversity recognized as the normal evolutionary condition? Journ. Hered. 13: 285-287 Je.1922(F.15,1923) no.6

Harlan, H. V. and Pope, M. N.
Many-noded dwarf barley. Journ. Hered. 13: 269-273. illus. Je.1922(F.15,1923) no.6

Jour. Hered. (cont.)

Malloch, W. S.
Value of the hemp plant for investigating sex inheritance Jour. Hered. 13: 277-283 illus. Je.1922 (F.15,1923) no.6
Bibliographical foot notes

Popenoe, Paul
Intelligence and race. A review of some of the results of the army intelligence tests. Journ. Hered. 13: 265-269 Je.1922 (F.15,1923) no.6

Tanaka, Tyôzaburô
Citrus fruits of Japan, with notes on their History and the origin of varieties through bud variation. Journ. Hered. 13: 243-253 illus. Je.1922 (F.15,1923) no.6

Thayer, Paul
A variation in the Downing gooseberry Journ. Hered. 13: 284. illus. Je.1922 (F.15,1923) no.6

Journ. N. Y. Bot. Gard.

Gleason, H. A.
A rare plant re-discovered. Journ. New York Bot. Gard. 24: 43-44 F.1923 no.278
Lissocarpa benthami

Rusk, H. M.
Experiments with Chinese cabbage. Journ. New York Bot. Gard. 24: 44-45 illus. F.1923 no.278

Small, J. K.
Land of the question mark. Report on exploration in Florida in December, 1920 Journ. New York Bot. Gard. 24: 1-23, 25-43 illus. Ja.-F, 1922 no.277-8.
Biographical notes by J.H.Barnhart

Just. Liebigs Ann. Chem.

Willstätter, Richard & Pollinger, Adolf
Ueber peroxydase III. abhandlungen Just. Liebig's Ann. Chem. 430: 269-319 Ja.1923

Mitt. Deut. Landw. Ges.

Appel, Otto
Die steigerung der ernteerträge durch beizen des saatgutes. Mitt. Deut. Landw. Ges. 38: 37-39 no.3 Ja.20,1923.

Parfum. Mod.

Meunissier, Auguste
Nards antiques et modernes. Parfum. Mod. 15: 255-268 illus., 2 pl. D.1922
Bibliographie: p. 267-268

Phytopath.

American phytopathological society
Abstracts of papers presented at the 14th annual meeting Bost, Mass., Dec.27 to 30, 1922. no.1 Phytopath. 13: 33-60 Ja.1923 (F.)

Chardon, C. E. and Veve, R. A.
The transmission of sugar-cane mosaic by Aphis maidis under field conditions in Porto Rico. Phytopath. 13: 21-29 illus. Ja.1923 (Feb.)
Literature cited: p. 29. no.1

Dickson, F.
A method of photographing spore discharge from apothecia Phytopath. 13: 30-32 illus. Ja. 1923 (Feb.) no.1

Phytopath. (cont.)
Weber, G. F.
Septoria diseases of cereals III Septoria disease of rye, barley and certain grasses Phytopath 13: 1-23 illus. Ja.1923 (F.)
Literature cited: p. 23
Septoria leaf blotch of rye (S. secalis); of barley (S. passerini); of quack grass (S. agropyri); of brome (S. bromi); of Kentucky blue grass (S. graminum)

Publ. Field Mus. Nat. Hist. Bot. Ser.
Hillspaugh, C. F. and Nuttall, L. W.
Flora of Santa Catalina Island. Publ. 212 Field Mus. Nat. Hist. Bot. Ser. v.5, 413 p. xiv pl. map Ja.1923

Pub. Puget Sound Biol. Sta.
Gail, F. W.
Photosynthesis in some of the red and brown algae as related to depth and light Publ. Puget Sound Biol. Stat. 3: 177-193 D.1922
Bibliography: p. 192-193

Shelford, V. E. and Gail, F. W.
A study of light penetration into sea water made with the Kunz photo-electric cell with particular reference to the distribution of plants Publ. Puget Sound Biol. Stat. 3: 141-176 illus. D.1922
Acknowledgments and bibliography: p. 174-176.
no.64/67

Rec. Trav. Bot. Néerl.
Funke, G. L.
Researches on the formation of diastase by Aspergillus niger van Tieghem Rec. Trav. Bot. Néerl. 19: 219-275 no.3
Literature: p. 263-265

Rept. Dept. Agr. Barbados
Bourne, B. A.
Report of assistant director of agriculture on the entomological and mycological work carried out during the season. Rep. Dept. Agr. Barbados 1921/22 p.9-16 1922
Fungoid attacks reported or observed on sugar cane. - Description of Fusarium sp. isolated from roots of imphee [Andropogon sorghum saccharata] suffering from root diseases [also description of Rhizoctonia from same plant, probably R. ferrugina]

Rev. Agr. Puerto Rico
Oliver Lugo, F.
El mosaico del tabaco y como combatirlo Rev. Agr. Puerto Rico v.10, no.1, p. 11-14 Ja.1923 no.1

Rev. Bot. Appl.
Chevalier, Auguste
Les salicornes et leur emploi dans l'alimentation. Etude historique, botanique, économique Rev. Bot. Appl. 2: 697-785 D.1922 no.16
Bibliographie: p. 775-777
Appendice, par Eug. Lemesle

Science
Fairchild, David
Garden for the propagation of tropical and subtropical plants Science 57: 166-168 F.9, 1923 no.1467
Chapman Field, Florida

Science (cont.)

Martin, G. W.
What is a plant? Science 57: 175-176 F.9, 1923 no.1467
" A plant is an organism possessing chlorophyll or descended from chlorophyll-possessing ancestors"

Sayre, J. D.
Physiology of stomata of Rumex patientia Science 57: 205-206 F.16,1923. no.1468

Sprague, T. A.
Suggestions for a world-code of plant nomenclature Science 57: 207-208 F.16,1923
Remarks on Mr. Sprague's suggestion by A. S. Hitchcock: p. 209.

Sci. Rep. Agr. Res. Inst. Pusa

McRae, William
Report of imperial mycologist Sci. Rep. Agr. Res. Inst. Pusa 1921/22 p. 44-50 19222

Tijdschr. Plantenz.

Lek, H. A. A. van der
Afscheiding van giftstoffen door zwammen, welke ziekten der houtvaten veroorzaken Tijdschr. Plantenz. 28: 183-186 1922 no.12

Lek, H.A.A. van der
Over den invloed van enting en bastaardeering op de vatbaarheid voor parasitaire aantasting (voorsetting) Tijdschr. Plantenz. 28: 1-14, 37-45, 97-103 1922 no.1,3,7,10
see also p. 113-145

Ritzema Bos, Jan
Hetstengelaaltje (Tylenchus devastatrix Kühn) Tijdschr. Plantenz. 28: 159-180 1922 no.11
also p. 187

U. S. Dept. Agr. Bull.

Korstain, C. F. and Long, W. H.
The western yellow pine mistletoe, effect of growth and suggestions for control U.S.Dept. Agr. Bull. 1112 35 p. v pl. D.21,1922 (Rec'd F. 1923)

Yearbk. Carnegie Inst. Washington

MacDougal, D. T.
Department of botanical research Yearbk. Carnegie Inst. Washington 21(1922): 47-75 Ja.1923

Exper. Stat. Publ.

Hutchison, C. B.
The linkage of certain aleurone and endosperm factors in maize and their relation to other linkage groups Mem. Cornell Agr. Exp. Stat. 60: 1421-1463 illus. Jl.1922
Literature cited: p. 1447-1448

Manns, T.F. and Adams, J. F.
Dept. of plant pathology Ann. Rep. Delaware Agr. Exp. Stat. 1921/22 (Bull. 133): 26-34 1922

Tisdale, W. B.
Tobacco diseases in Gadsen county in 1922 with suggestions for their prevention and control Florida Agr. Exp. Stat. Bull. 166 118 p. illus. D.1922
Contr. no.1 from Tobacco Exp. Stat.

NEW BOOKS

Anderson, O. G. & Roth, F. C.
Insecticides and fungicides, spraying and dusting equipment. N.Y. J. Wiley and sons, 1923

Buller, A. H. R.
Researches in fungi v.2. London, Longmans, Green- & Co., 1922

Hiley, W. E. and Cunliffe, Norman
An investigation into the relation between height growth of trees and meteorological conditions. Oxford, 1922

North American flora v.14, pt.1, Ja.19, 1923
Sphaerocarpaceae, Riellaceae, C. C. Haynes, M.A. Howe. - Ricciaceae, M.A.Howe. - Corsiniaceae, Targioniaceae, Sauteriaceae, Rebouliaceae, Marchantiaceae. A. W. Evans

Palmer, Ray and Westell, W. P.
Pests of the garden and orchard, farm and forest London, H. J. Drane [1923]
Fungoid diseases: p. 233-289
Obnoxious weeds: p. 295-310
Insecticides and fungicides: p. 311-348

Rydberg, P. A.
Flora of the Rocky Mountains and adjacent plains. 2d ed. N.Y. Author, 1922

Sartory, A.
Les champignons vénéneux Paris, 1921

Tansley, A. G.
Elements of plant biology London, G. Allen & Unwin, c.1922

Wickson, E. J.
California vegetables in garden and field 5.ed. fully rev. San Francisco, Pacific Rural Press, 1923

Reprints from Journals not yet received or not available

Van der Bijl, P. A.
A fungus - Gibellula haygarthii sp.n. - on a spider of the family Lycocidae Reprinted from Trans. Roy. Soc. So. Africa v. 10, no.3 p.149-150 illus. [1922?]
_____ Some South African Stereums Reprinted from Trans. Roy. Soc. So. Africa v.10, no.3, p.151-157. illus. [1922?]
S. durbanense, S. Tomentosum n. sp.
_____ Fungi of the Stellenbosch district and immediate vicinity. Trans. Roy. Soc. So. Africa v.10, no.4, p.281-288 [1922?]

Library, Bureau of Plant Industry
Current Author Entries, 1923, List 104
Indexed, Feb.26 - Mar.10,1923.

Agron. Colon.
Maublanc, André
La mosaïque de la canne à sucre Agron. Colon. 8: 1-7 Ja.1923 no.61
Bibliographie: p. 7

Sornay, P. de
Les cucurbitacées tropicales (Luffa acutangula, Ser.) Pipengaye Agron. Colon. 8: 8-13 pl. Ja.1923 no.61

Amer. Journ. Bot.
Bartholomew,E.T., Barrett,J.T. and Fawcett,H.S.
Internal decline of lemons. I Amer. Journl Bot. 10: 67-70 pl.vii F.1923 no.2
I. Distribution and characteristics.

Clayton, E. E.
The relation of temperature to the Fusarium wilt of the tomato Amer. Journ. Bot. 10: 71-88 pl.viii-xi F.1923 no.2.
Literature cited: p. 86-87

Harter, L. L. and Weimer, J. L.
Amylase in the spores of Rhizopus tritici and Rhizopus nigricans Amer. Journ. Bot. 10: 89-92 F.1923 no.2.
Literature cited: p. 92

Seifriz, William
Observations on the causes of gregarious flowering in plants Amer. Journ. Bot. 10: 93-112 pl.xii F.1923 no.2
Bibliography: p. 111-112.

Stout, A. B.
Alternation of sexes and intermittent production of fruit in the spider flower (Cleome spinosa) Amer. Journ. Bot. 10: 57-66 illus., pl. vi F.1923
Literature cited: p. 65-66 no.2

Ann. Bot.
Adams, John
The effect of certain plants altering the daily period of light. Ann. Bot. 37: 75-94 Ja.1923 (Feb.?) no.145
Literature: p. 93-94

Brown, William
Experiments on the growth of fungi on culture media. Ann. Bot. 37: 105-129 illus. Ja.1923 (Feb.?) no.145

Crow, W. B.
Dimorphococcus fritschii, a new colonial protophyte from Ceylon. Ann. Bot. 37: 141-145 illus. Ja.1923 (Feb.?) no.145
Literature cited: p. 145

Ridley, H. N.
The distribution of plants Ann. Bot. 37: 1-29 Ja.1923 (Feb.?) no.145

Snow, R.
The conduction of geotropic excitation in roots Ann. Bot. 37: 43-53 illus. Ja.1923 (Feb.?)
References: p. 53 no.145

Smith, F. E. V.
On direct nuclear divisions in the vegetative mycelium of Saprolegnia Ann. Bot. 37: 63-73 illus. Ja.1923 (Feb.?) No.145
Literature cited: p. 73

Ann. Bot. (cont.)

Tabor, R. J. and Bunting, R.H.
On a disease of cocoa and coffee fruits caused by a fungus hitherto undescribed Ann. Bot. 27: 153-157 illus. Ja.1923 (Feb.?) no.145
Trachysphaera (n.g.) T. fructigena

Ann. Mycol.

Dietel, Paul
Einige neue oder bemerkenswerte uredineen Ann. Mycol. 20: 293-295 1922 no.5/6

Gäumann, Ernst
Ueber die entwicklungsgeschichte von Jola javensis Pat. Ann. Mycol. 20: 272-289 illus., pl.iii 1922 no.5/6
Zitierte literatur: p. 289

Gäumann, Ernst
Ueber die gattung Kordyana Rac. Ann. Mycol. 20: 257-271 illus. 1922
Zitierte literatur: p. 271
K. celebensis, K. polliae, K. indica n. sp.; Monotrichum (n.g.) M. commelinae

Klika, Jaromir
Ein kleiner beitrag zur pilzflora der Czechoslovakei Ann. Mycol. 20: 290-292 1922 no.5/6
Dasyscypha bubakii, Ophiobolus kavinae, Ascobolus bohemicus n. sp.

Petrak, F.
Mykologische notizen IV (151-185) Ann. Mycol. 20: 300-345 1922 no.5/6
Described many new genera & species

Singer, R.
Ueber den wert der gattung Rozites (Karsten) Ann. Mycol. 20: 296-299 1922 No.5/6

Ann. Missouri Bot. Gard.

Payson, E. B.
A monographic study of Thelypodium and its immediate allies Ann. Missouri Bot. Gard. 9: 233-234 S.1922 (F.1923) no.3.

Pring, G. H.
A new hybrid Nymphaea Ann. Missouri Bot. Gard. 9: 325-327 pl.20 S.1922 (F.1923)
Nymphaea "Mrs. G.H.Pring" Pring n. hyb. (N. ovalifolia x N. "Mrs. Edwards Whitaker")

Arch. Rubbercult. Nederl.-Ind.

Gandrup, Johannes
Over instervingsziekte bij Hevea. Arch. Rubbercult. Nederl.-Ind. 6: 451-456 D.1922 no.12
English summary (On the die back disease of Hevea): p. 456.
Not the genuine die back disease but one mainly physiological

Maas, J. G. J. A.
Bestrijding van streepkanker Arch. Rubbercult. Nederl.-Ind. 6:513-515 D.1922 no.12

Vischer, W.
Enkele mededeelingen over drie ziekten van het tapvlak, indrogen, streepjeskanker Arch. Rubbercult. Nederl.-Ind. 7: 28-43 illus., 2 pl. Ja.1923 no.1
Bibliographical foot notes
English resumé (Notes on three diseases of the tapping cut, drying out, stripe canker and mouldy rot): p. 42-43

Biochem. Journ.

Chibnall, A. C.
Investigations on the nitrogenous metabolism of the higher plants Pt.III. The effect of low-temperature drying on the distribution of nitrogen in the leaves of the runner bean Biochem. Journ. 16: 599-607 1922 no.5
References: p. 608

_____ Pt.IV. Distribution of nitrogen in the dead leaves of the runner bean Biochem. Journ. 16: 608-610 1922

Russell-Wells, Barbara
On carrageen (Chondrus crispus) III. The constitution of the cell wall Biochem. Journ. 16: 578-586 1922 no.5.
References: p. 586

Biol. Zentralbl.

Correns, Carl
Geschlechtsbestimmung und zahlenverhältnis der geschlechter beim sauerampfer (Rumex acetosa) Biol. Zentralbl. 42: 465-480 illus. D.1922
Literatur: p. 480 no.12

Bot. Arch.

Harter, Wilhelm
Die lycopodiaceen der Philippinen Bot. Arch. 3: 10-29 no.1 Ja.1923

Kohz, Kurt
Sero-diagnostische untersuchungen über die verwandtschaften innerhalb des rosales-astes der dikotylen Bot. Arch. 3: 30-60 Ja.1923 no.1
Literatur-verweise: p. 59-60

Lagershausem,
Friedrich Grundner Bot. Arch. 3: 1-2 Ja.1923 no.1

Linsbauer, Karl
Eduard Palla Bot. Arch. 3: 4-7 Ja.1923 no.1

Wangerin, Walther
August Schulz Bot. Arch. 3: 2-4 Ja.1923 no.1

Wangerin, Walther
Hugo Conwentz Bot. Arch. 3: 8-9 Ja.1923 no.1

Bot. Not.

Dahlgren, K. V. O.
Notes on the ab initio cellular endosperm Bot. Not. 1923 p.1-24 illus. no.1
Literature cited: p. 19-24

Fries, T. C. E.
Einige neue Alchemilla-arten von Mt. Elgon Bot. Not. 1923 p. 53-58 illus.
A. granvikii, A. microbetula, A. lovenii

Lundegårdh, Henrik
Die bedeutung des kohlensäuregenhalts und der wasserstoffionkonzentration des bodens für die entstehung der fusariosen Bot. Not. 1923 p. 25-52 illus. no.1
Zitierte literatur: p. 51-52

Murbeck, Sv.
Species nonnullae novae maroccanae II Bot.Not. 1923 p. 59-63
Verbasum tagadirtense, Anacyclus medians, A. exalatus Chrysanthemum demnatense

Bul. Inform. Grad. Bot. Univ. Cluj.
Prodan, Gyula
Ecologia plantelor halofile din România comparate cu cele din Ungaria si şesul Tisei din regatul SHS (Die oekologie der halophyten Romäniens ...) Bull. Inform. Grad. Bot. Univ. Cluj 2: 1-17, 37-52 1922 no.1,2.

Bull. Soc. Mycol. France
Société mycologique de France
Revue bibliographique des travaux mycologiques publiés en 1920 Its Bull. 37 suppl. 131 p. 1922
Preface signed A. Maublanc
Classified list with abstracts

Bull. Soc. Path. Exot.
Franchini, G.
Action du latex d'Euphorbes sur différents trypanesomes. Culture de flagellés dans des latex divers Bull. Soc. Path. Exot. 16: 41-50 1923 no.1

Bull. Soc. Path. Vég. France
Ballings, Madeleine
Le Vermicularia herbarum parasite des oeillets Bull. Soc. Path. Vég. France 9: 288-289 pl.ii-iii Ja.1923 no.4

Beauverie, Jean
Influence de l'époque de maturation du blé sur le développement de Puccinia graminis Bull. Soc. Path. Vég. France 9: 255-256 Ja.1923 no.4

Blaringhem, Louis
Sur la paedogénèse du chanvre (Cannabis sativa L.) Bull. Soc. Path. Vég. France 9: 290-294 Ja.1923 no.4

Blaringhem, Louis
Sur la résistance aux parasites cryptogamiques d'un hybride d'epeautre et de seigle Bull. Soc. Path. Vég. France 9: 267-276 illus. Ja.1923 no.4
Triticum spelta var. T. x Secale cereale much more resistant to rust than its parents

Crépin, C.
Une maladie grave de la pomme de terre dans le Forez Bull. Soc. Path. Vég. France 9: 237-243 illus. Ja.1923 no.4

Ducomet, Vital
Observations sur le developpement du rhizoctone de la luzerne Bull. Soc. Path. Vég. France 9: 312-316 Ja.1923 no.4

Dufrénoy, Jean
Biologie de l'Armillaria mellea Bull. Soc. Path. Vég. France 9: 277-281 illus. Ja.1923

Foëx, Etienne
La dartrose de la pomme de terre en 1922 Bull. Soc. Path. Vég. France 9: 244-250 Ja.1923 no.4

Gard, Médéric
Sur le dépérissement des jeunes noyers en 1922 Bull. Soc. Path. Vég. France 9: 263-266 Ja.1923 no.4

Perret, Claude
La dessiccation prématurée des pieds de pommes de terre dans la Loire Bull. Soc. Path. Vég. France 9: 257-259 Ja.1923 no.4

Bull. Torr. Club

Andrews, F. M.
Abnormal elaters of Porella platyphylla Bull. Torr. Club 50: 85-87 pl.3. F.1923 no.2

Osterhout, G.E.
What is Geranium caespitosum James? Bull. Torr. Club 50: 81-84 F.1923 no.2
G. caespitosum (or G. intermedium) should take place of G. parryi (Engelm.) Heller and latter become a synonym

Rydberg, Per Axel
Notes on Rosaceae XIV Roses of the prairies and plains Bull. Torr. Club 50: 61-71 F.1923 no.2

Schaffner, J.H.
Sex reversal in the Japanese hop Bull. Torr. Club 50: 73-79 pl.2 F.1923 no.2

Compt. Rend. Acad. Agr. France

Schribaux, Emile
Sur la dégénérescence de la pomme de terre eu sur les moyens de la conjurer Compt. Rend. Acad. Agr. France 9: 95-99 Ja.1923
Discussion: p. 97-99 (J. de Vilmorin & E. Schribaux)

Compt. Rend. Acad. Sci. Paris

Crémieu, V.
La croissance des végétaux et les principes de la physique Compt. Rend. Acad. Sci. Paris 176: 263-265 1923 no.4.

Goris, Albert and Costy, P.
Sur l'uréase des champignons Compt. Rend. Acad. Sci. Paris 176: 412-414 F.1923 no.6

Lesage, Pierre
Sur la persistance des caractères provoqués par la salure Compt. Rend. Acad. Sci. Paris 176: 257-260 1923 no.4

Nicolas, E. and Nicolas, G.
L'influence de l'hex améthylènetétramine et de l'aldéhyde formique sur la morphologie interne et sur le chimisme du haricot Compt. Rend. Acad.Sci. Paris 176: 404-407 F.1923 no.6

Compt. Rend. Soc. Biol. Paris

Dufrenoy, Jean
Gommose locale et générale résultant des lésions bactériennes des feuilles Compt. Rend. Soc. Biol. Paris 88: 122-124 illus. 1923

Maige, Albert
Influence de la température sur la décroissance par inanition du noyau, chez le haricot. Compt. Rend. Soc. Biol. Paris 88: 97-99 1923 no.2

Defensa Agr. Uruguay

Baez, Ign Horacio
La rulla o polvillo del trigo, Puccinia graminis var. tritici Persoon. Defensa Agr. Bol. Mens. Uruguay 3: 163-167 illus. D.1922 no.12

Gard. Mag.

Wilson, E. H.
Travel tales of a plant collector III. Eastern Australia Gard. Mag. 37: 33-38 illus. Mr.1923 no.1

Gard. Chron.

Britten, James
Jane Loudon Gard. Chron. III, 73: 77 F.10, 1923 no.1885

Grove, A.
Lilies in 1922 Gard. Chron. III, 73: 78-79 illus. F.10,1923 no.1885

Horne, A. S. and Brown, W.
Fusarium Gard. Chron. III, 73: 82 F.10, 1923 no.1885
Abstract of paper before Brit. Mycol. Soc. Ja.20, 1923

Maxwell, Herbert
Rhododendrons on limestone Gard. Chron.III, 73: 59 F.3,1923 no.1884

Ward, F. K.
Mr. Kingdon Ward's seventh expedition in Asia no. 8 The monastery of Yung-ning Gard. Chron.III, 73: 80. F.10,1923 no.1885

Wilson, E. H.
Pieris taiwanensis Gard. Chron.III, 73: 63 illus. F.3,1923 no.1884

Genetics

Davis, B. M.
Genetical studies on Oenothera XI. An attempt to improve through selection the style length and fertility of Oenothera brevistylis Genetics 7: 590-596 N.1922 (F.1923) no.6

Eyster, W. H.
Inheritance of zigzag culms in maize Genetics 7: 559-567 N.1922 (F.1923) no.6
Literature cited: p. 567

Eyster, W. H.
The intensity of linkage between the factors for sugary endosperm and for tunicate ears and the relative frequency of their crossing over in microspore and megaspore development Genetics 7: 597-601 N.1922 (F.1923) no.6
Literature cited: p. 601

Phillips, J. M. and Barrows, W. M.
Heredity of angioneurotic edema based on a review of the literature Genetics 7: 573-582 N.1922 (F.1923) no.6
Literature cited: p. 581-582

Enriques, Paolo
Hologynic heredity Geneticis 7: 583-589 N.1922 (F.1923) no.6
Literature cited: p. 589

Sax, Karl
Sterility in wheat hybrids. II. Chromosome behavior in partially sterile hybrids. Genetics 7: 513-552 pl.1-3. N.1922 (F.1923) no.6
_____ _____ III. Endosperm development and F2 sterility Genetics 7: 553-558 N.1922 (F.1923)

Weatherwax, Paul
A rare carbohydrate in waxy maize Genetics 7: 568-572 N.1922 (F.1923) no.6
Literature cited: p. 572

Journ. Amer. Pharm. Assoc.

Stockberger, W. W.
The status of drug-plant growing in the United States in 1921 Journ. Amer. Pharm. Assoc. 12: 120-122 F.1923 no.2.

Youngken, H. W.
A review of the literature in pharmaceutical botany and pharmacognosy for 1921-22 (Aug.1,1921-Aug.1,1922) Journ. Amer. Pharm. Assoc. 12: 123-129 F.1923. no.2

Journ. Amer. Chem. Soc.

Link, K. P. and Tottingham, W. E.
Effects of the method of desiccation on the carbohydrates of plant tissue Journ. Amer. Chem. Soc. 45: 439-447 F.1923 no.2

Journ. Amer. Soc. Agron.

Allyn, O. M.
Reducing corn root-rot by careful hand selection of seed Journ. Am. Soc. Agron. 15: 73-76 F.1923 no.2.

Sherwin, M. E.
The effect of fertilizers on germination and seedling growth Journ. Amer. Soc. Agron. 15: 66-73. F.1923 no.2.
Germination generally inhibited by presence of fertilizers

Journ. Arnold Arb.

Palmer, E. J.
The Red River forest at Fulton, Arkansas Journ. Arnold Arb. 4: 8-33 Ja.1923 no.1

Rehder, Alfred
Michaux's earliest note on American plants Journ. Arnold Arb. 4: 1-8 Ja.1923 no.1

Tucker, E. M.
Incunabula in the library of the Arnold Arboretum Journ. Arnold Arb. 4: 56-60 Ja.1923 no.1

Wilson, E. H.
The rhododendrons of northeastern Asia exclusive of those belonging to the subgenus Anthodendron. Journ. Arnold Arb. 4: 33-56 Ja.1923 no.1

Journ. Biochem. Tokyo

Goto, Kiko
The nature of the carbohydrates in the leaf, stem and tuber of Amorphophallus konjaki and their variations in amount under different conditions. Journ. Biochem. 1: 201-211 Ap.1922 no.2.
References: p. 211

Miyaki, Koji and Adachi, M.
Chemische untersuchungen über die widerstandsfähigkeit der reisarten gegen die "imochi-krankheit" 1.-2. bericht. Journ. Biochem. 1: 223-247 Ap.1922
Literaturnachweis: p. 238-239, 246-247.

Journ. Bot.

Bower, F. O.
Isaac Bayley Balfour (1853-1922): an appreciation Journ. Bot. 61: 23-26 Ja.1923. no.721.

Maxon, W. R.
The type-species of Pteris Journ. Bot. 61: 7-10 Ja.1923 no.721

Journ. Bot. (cont.)

Pearsall, W. H. and Pearsall, W.H.
Potamogeton in the English lakes Journ. Bot. 61: 1-7 Ja.1923. no.721.

Sprague, T. A.
Notes on Theaceae Journ. Bot. 61: 17-19 Ja.1923 no.721
1. Cleyera. 2. Eroteum and Freziera. 3. Laplacea or Lindleya.

Journ. Cancer Res.

Levin, Isaac and Levine, M.
The action of buried tubes of radium emanation on neoplasias in plants Journ. Cancer Res. 7: 163-170 illus. Ap.1922 (Rec'd. F.1923) no.2.
References: p. 10

Levin, Isaac and Levine, M.
The rôle of neoplasia in parasitic diseases of plants Journ. Cancer Res. 7: 171-178 illus. Ap.1922 (Rec'd F.1923) no.2.

Smith, E. F.
Appositional growth in crown-gall tumors and in cancers Journ. Cancer Res. 7: 1-49 pl.1-28 Ja.1922 (Rec'd Nov.1922)
References: p. 47-49

Journ. Coll. Agr. Hokkaido Imp. Univ.

Nishimura, Makoto
Studies in Plasmopara halstedii Journ. Coll. Agr. Hokkaido Imp. Univ. 11: 185-210 illus., vi pl. D.1922 no.3.
Bibliography: p. 209-210.

Journ. For.

Rigg, G. B.
Birch succession in Sphagnum bogs Journ. For. 20: 848-850 D.1922 no.5.

Journ. Pharm. & Chim.

Bridel, Marc & Braecke, Marie
Sur la présence d'aucubine et de saccharose dans les graines de Rhinanthus crist-galli L. Rhinanthus et aucubine. La rhinanthine est de l'aucubine impure (suite et fin) Journ. Pharm. et Chim. VII, 27: 131-138 F.1923 no.4

Malayan Agr. Journ.

Sharples, A.
A preliminary account of observations on the fungi causing "brown root" disease Malay. Agr. Journ. 10: 181-183 Jl.1922 no.2

South, F. W.
Regulations controlling the importation of plants into the Straits Settlements, the Federated Malay States and Johroe Malay Agr. Journ. 10: 228-233 S.1922

South, F. W.
Work of the inspection satt (Apr.1st-Je.30th,1922) Malay. Agr. Journ. 10: 195-199 Jl.1922 no.7

Thompson, A.
Instructions for forwarding specimens of plants attacked by a fungus disease Malay. Agr. Journ. 10: 235-236 S.1922 no.9

Library, Bureau of Plant Industry
Current Author Entries, 1923, List 105,
Indexed, Mar.12-24, 1923.

Agr. Gaz. N.S.W.
Blakely, W. F.
Weeds of New South Wales Agr. Gaz. New South Wales 34: 116-120 illus. F.1923 no.2

Agr. Journ. India
Ballard, Edward and Norris, Dorothy
Bacterial infection of cotton bolls. Agr.Journ. India 13: 40-49 Ja.1923 no.1
Diseases due to bacterium, not B. malvacearum; insects appear to play large part in the dissemination of the disease.

Amer. Fern Journ.
Marshall, M. A.
Proliferous ebony spleenwort Amer. Fern Journ. 13: 7-13 Ja./Mr.1923 no.1

Muntz, P. A. & Johnston, I. M.
The distribution of Southern California pteridophytes VI. Selaginellaceae Amer. Fern. Journ. 13: 1-7 Ja./Mr.1923. no.1

Wherry, E. T.
Wall ferns on Wilmington, North Carolina. Amer. Fern Journ. 13: 17-18 illus. Ja./Mr.1923. no.1
Pteris multifida

Amer. Journ. Sci.
Kryshtofovich, A.
Pleuromeia and Hausmannia in eastern Siberia with a summary of recent contributions to the paleobotany of the regions. Amer. Journ. Sci. V, 5: 200-208 illus. Mr.1923 no.27

Berry, E. W.
Tertiary plants from the Andes of Cajamarca, Peru. Amer. Journ. Sci. V, 5: 239-246 illus. Mr.1923 no.27.

Amer. Nat.
Lewis, F. T.
A note on symmetry as a factor in the evolution of plants and animals. Amer. Nat. 57: 1-41. illus. Ja./F.1923. no.648

Ber. Deut. Bot. Ges.
Czaja, A. Th
Ein allseitig geschlossenes, selektivpermeables system. Ber. Deut. Bot. Ges. 40: 381-385 1923

Pisek, Arthur
Chromosomenverhältnisse, reduktionsteilung und revision der keimentwicklung der mistel (Viscum album) Ber. Deut. Bot. Ges. 40: 406-409 pl. 1923. no.10

Ursprung, A. & Hayoz, C.
Zur kenntnis der saugkraft VI. Weitere beiträge zur saugkraft des normalen und abgeschnittenen hederablattes Ber. Deut. Bot. Ges. 40: 368-373 1923 no.10

Ber. Ohara Inst. Landw. Forsch.
Kasai, Mikio
Ueber den auf der binse parasitisch lebenden pilz Cercosporina juncicola sp. n. Ber. Ohara Inst. Landw. Forsch. 2: 225-232 pl. x-xi 1922 no.2
"Die binse, Juncus effusus var. decipiens"

Ber. Ohara Inst. Landw. Forsch. (cont.)

Munesada, Tetuzi
Ueber den farbstoff der frucht von Gardenia florida L. (gelbs hote) Ber. Ohara Inst. Landw. Forsch. 2: 219-223 1922 no.2.

Nisikado, Yosikazu and Miyake, C.
Studies on the helminthosporiose of the rice-plant. Ber. Ohara Inst. Landw. Forsch. 2 : 133-195. pl.iii-ix 1922 no.2
Literature cited: p. 191-194

Biochem. Zeitschr.

Sjöberg, Knut
Beitrag zur kenntnis der amylase in pflanzen Biochem. Zeitschr. 133: 218-293, 294-330. N.1922 no.1/3
I. Ueber die bildung und das verhalten der amylase in lebenden pflanzen.
II. Die temperaturempfindlichkeit der amylase von Phaseolus vulgaris.

Biol. Zentralb.

Huber, Bruno
Theoretische betrachtungen zur kohäsiontheorie der wasserbewegung in der pflanze. Biol. Zentralbl. 43: 30-49 Ja.1923 no.1
Verzeichnis der angeführten literatur: p. 49

Boll. Tecn. R. Ist. Sper. Tabacchi Scafati

Anastasia, Emilio
Le forme elementari della composizione dei vegetali o l'origine della species (cont.) Boll. Tecn. Ist. Sper. Colt. Tabacchi Scafati 19: 163-189 illus., pl. xii-xix (partly col.) Jl./D.1922 no.3/4
Primule scapigere - Rapida rassegna dei generi delle Primulaceae

Bryologist

Andrews, A. L.
Additions to the bryophyte flora of Iceland Bryologist 26: 4 Ja.1923 no.1

Andrews, A.L.
Two additions to the Bermuda flora Bryologist 26: 6 Ja.1923
Octoblepharum albidum, Bryum murale

Britton, E. G.
Notes on Fissidens II Bryologist 26: 1 Ja. 1923 no.1

Lorenz, Annie
Some Hepaticae from Grand Manan, N.B. Bryologist 26: 5. Ja.1923. no.1

Williams, R. S.
Brachymenium condensatum sp. nov. Bryologist 26: 2-3 illus. Ja.1923 no.1

Bull. Amer. Hort. Soc.

Coville, F. V.
The effect of aluminum sulphate on Rhododendron seedlings Bull. Amer. Hort. Soc. no.1 6 p. 5 pl. on 3 Mr.24,1923.

Bull. Econ. Madagascar

Louvel,
Note sur les bois de Madagascar (suite) Bull. Econ.Madagascar 19: 129-139 20 pl. 1922 no.2

Bull. Soc. Hist. Nat. Afr. Nord.
Alleizette, Charles d'
Notes sur mes herborisations Algérienne 2.série Bull. Soc. Hist. Nat. Afrique Nord. 14: 37-44 1923 no.1

Braun-Blanquet, Josias
Sur un Erigeron alpin du Grand Atlas Bull. Soc. Hist. Nat. Afrique Nord 14: 25-26 1923
E. mairei no.1

Bull. Torr. Club
Etter, Austin
Polyembryony developed under experimental conditions in certain polypodiaceous ferns. Bull. Torr. Club 50: 95-106 illus., pl. 4 Mr.1923 no.50
Literature cited: p. 106

Watson, E. E.
The genus Heliocarpus Bull. Torr. Club 50: 109-128 Mr.1923 no.3

Canner
Pritchard, F. J.
Tomato diseases and how to overcome them. Canner v.56, no.10, p.124-125. Mr.3,1923.
Tomato leaf spot or blight; wilt; early blight.

Rand, F.V.
Bacterial wilt or Stewart's disease of corn Canner v.56, no.10, p.164-165 Mr.3,1923

Centralbl. Bakt. Abt.II.
Paravicini, Eugen
Die kartoffelkrankheiten in Niederländisch-Ost-Indien Centralbl. Bakt. abt.2, 58: 212-220 Mr.1923 no.9/12.

Citrus Leaves
Webber, H. J.
June drop caused by climatic conditions rather than a fungus growth... Three control methods suggested as tests for this year... Citrus Leaves v.3, no.3, p.1-5 Mr.1923

Compt. Rend. Acad. Sci. Paris
Beauverie, Jean
Sur les rapports existant entre le développement des rouilles du blé et le climat Compt. Rend. Acad. Sci. Paris 176: 529-531 F.1923 no.8

Becquerel, Paul
Observations sur la nécrobiose du protoplasme végétal avec L'aide d'un nouveau réactif vital Compt. Rend. Acad. Sci. Paris 176: 601-603 F.1923 no.9

Delauney, Paul
Nouvelles recherches relatives à la présence de la loroglossine dans les orchidées indigènes Compt. Rend. Acad. Sci. Paris 176: 598-600 F.1923 no.9.

Funke, G. L.
Recherches biologiques sur des plantes à tiges rampantes Compt. Rend. Acad. Sci. Paris 176: 604-606 F.1923 no.9

Mirande, Marcel
Sur la nature protéolipoïdique des stérinoplastes du lis blanc Compt. Rend. Acad. Paris 176: 596-598 F.1923 no.9

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

Popoff, Methodi
Sur le système respiratoire des plantes
Compt. Rend. Acad. Sci. Paris 176: 594-596
F.1923 no.9

Sauvageau, Camille
Sur l'état quiescent prolongé d'une algue phéosporée éphémère Compt. Rend. Acad. Sci. Paris 176: 478-482 F.1923 no.8

Villedieu, G. and Villedieu, Mme.
Action des oxydes insolubles sur le mildiou de la pomme de terre (Phytophthora infestans) Compt. Rend. Acad. Sci. Paris 176: 534-536 F.1923. no.8

Country Life London

Bean, W. J.
New magnolias Country Life 53: 325-326
illus. Mr.10,1923. no.1366

Facts about sugar

Thorne, Gerald
Beet nematode control. Crop rotation the basic methods Facts about Sugar 16: 192, 193
Mr.10,1923.
Reprinted from the March no. of "Through the leaves"

Garden

Osborn, Arthur
The small-leaved rhododendrons Garden 87: 107-108 illus. Mr.3,1923 no.2676

Gard. Chron.

Savage, S.
Early botanic painters no.2. Jean Bourdichon
Gard. Chron. III, 73: 92-93 illus. F.17,1923
no.1886

Hedwigia

Elssmann, Emil
Studien über wasserbewohnende laubmoose
Hedwigia 64: 52-145 illus. Ja.1923 no.1/2
Literaturverzeichnis: p. 144-145

Herzog, Theodor
Beiträge zur bryophytenflora Chiles Hedwigia 64: 1-18 illus. Ja.1923 no.1/2

Lehfeldt, Werner
Ueber die entstehung des paarkernmycels bei heterothallischen basidiomyceten Hedwigia 64: 30-51 illus., pl.i Ja.1923 no.1/2

Lindemann, E.
Ein neues Spirodinium Hedwigia 64: 146-147
illus. Ja.1923 no.1/2
S. silvaticum

Vilhelm, J.
Novae species et formae characearum I
Hedwigia 64: 148-160 Ja.1923 no.1/2

Indian For.

Parker, R. N.
A new species of Astragalus from Kumaon Ind. For. 49: 78-79 pl.5 F.1923 no.2.
A. aegacanthoides

Journ. Agr. Res. Reprints (Preprinted)

Brandes, E. W.
Mechanics of inoculation with sugar-cane mosaic by insects visitors Preprint from Journ. Agr. Res. v.23, no.4. p.273-283 2 pl. 1923
Literature cited: p. 283

Brown, N. A.
Bacterial leafspot of Geranium in the eastern United States Preprint from Journ. Agr. Res. v.23, no.5, p.361-372 2 pl. 1923
Bacterium pelargoni n. sp.

Harlan, H. V. & Pope, M. N.
Water content of barley kernels during growth and maturation Preprint from Journ. Agr. Res. v.23, no.5, p. 333-360 1923

Harrington, G.T.
Use of alternating temperatures in the germination of seeds Preprint from Journ. Agr. Res. v.23, no.5, p. 295-332 1923
Literature cited: p. 331-332

Shapovalov, Michael
Relation of potato skinspot to powdery scab Preprint from Journ. Agr. Res. v.23, no.4, p.285-294. 4 pl. 1923
Literature cited: p. 294

Swingle, W.T. & Robinson, T.R.
Two important new types of citrous hybrids for the home garden - citrangequats and limequats Preprint from Journ. Agr. Res. v.23, no.4, p. 229-238 5 pl. 1923

Weston, W.H. jr
Production and dispersal on conidia in the Philippine sclerosporas of maize Preprint from Journ. Agr. Res. v.23, no.4, p. 239-278 10 pl. 1923
Literature cited: p. 277-278

Journ. Biochem. Tokyo

Miyake, Suguru
Chemical studies of corn pollen I Journ. Biochem. 2: 27-32 O.1923 no.1
I. Isolation of phytosterol and inosite

Journ. Dept. Agr. So. Africa

Lansdell, K. A.
Weeds of South Africa VIII The upright starbur (Acanthospermum hispidum) Journ. Dept. Agr. So. Afr. 6: 144-150 illus. F.1923 no.2.

Journ. Dept. Agr. Victoria

Davey, H. W.
Weeds and their eradication (cont.) Journ. Dept. Agr. Victoria 21: 27-31 illus. Ja.1923 no.1

Journ. For.

Fritz, Emanuel
A plea for common sense in changes of botanical nomenclature Journ. For. 21: 61-64 Ja.1923 no.1

Journ. Hered.

Collins, J. L.
Culture of Crepis for genetic investigations Journ. Hered. 13: 329-336 illus. Jl.1922 (Mr.10,1923) no.7
Literature cited: p. 336
Parasitic organisms: p. 335 (Botrytis cinerea)

Cook, O. F.
Diversity of internode individuals Journ. Hered. 13: 323-328 illus. Jl.1922 (Mr.10,1923) no.7

Detlefson, J. A. and Ruth, W. A.
An orchard of chestnut hybrids Journ. Hered. 13: 305-314 illus. Jl. 1922 (Mr.10.1923)

Journ. Hered. (cont.)
Harlan, H. V. and Pope, M. N.
The use and value of back-crosses in small-grain breeding Journ. Hered. 13: 319-322 Jl.1922 (Mr.10,1923) no.7

Journ. Min. Agr. Gt. Brit.
Gt.Brit. Ministry of agriculture
Trials of potatoes for immunit from wart disease. 1922. Its Journ. 29: 1134-1138 Mr.1923 no.12

Journ. N. Y. Bot. Gard.
Cook, M. T.
Plant cancers Journ. New York Bot. Gard. 24: 70 Mr.1923 no.279

Léon, Brother
A trip to Pico Turquino Journ. New York Bot. Gard. 24: 49-62 illus. Mr.1923 no.279

Small, J. K.
Land of the question mark (concl.) Journ. New York Bot. Gard. 24: 62-70 illus. Mr.1923 no.279

Landw. Jahrb.
Majanus, Birger
Ueber den aehrenbau steinbrandkranker weizenpflanzen Landw. Jahrb. 58: 303-311 F.1923 no.2.

Lingham Agr. Rev.
Groff, G. W.
A method of indexing and filing Chinese plants illustrated by a systematic enumeration of the plants of the Canton Christian College campus. Lingham Agr. Rev. 1: 47-65 D.1922 no.1
Bibliography: p. 61-65

McClure, F. A.
Notes on the island of Hainan Lingham Agr. Rev. 1: 66-79 6 pl. on 3, map Dec.1922 no.1

Meded. Inst. Plantenz. Dep. Landb. Nederl. Ind.
Rands, R. D.
Streepkanker van kaneel, veroorzaakt door Phytophthora cinnamomi n. sp. (Stripe canker of cinnamon, caused by Phytophthora cinnamomi n. sp.) Meded. Inst. Plantenz. Dep. Landb. Nijverh. en Hand. Nederl. Ind. no.54 53 p. 6 pl. 1922
Geciteerde literatur: p. [54]

Meded. Rijks Herb. Leyden
Hallier, Hans
Beiträge zur kenntnis der thymelaeaceen und ihrer natürlichen umgrenzung Meded. Rijks Herb. Leiden 44 31 p. 1922

Hallier, Hans
Indonesische leidensblumen Meded. Rijks Herb. Leiden 42 17 p. 1922
Passiflora. Adenia

Henrard, J. Th
On a new Indian Urochloa Meded. Rijks Herb. Leiden 43 3 p. pl. 1922
U. marathensis

Henrard, J. Th.
Paspalum hydrophyllum spec. nov. aus Paraguay Meded. Rijks Herb. Leiden 45 2 p. pl. 1922
Panicum plumosum, P. caaguazuense

Herzog, Theodor
Die von Dr. Th. Herzog auf seiner zweiten reise durch Bolivien in den jahren 1910 und 1911 gesammelten pflanzen VI. Meded. Rijks Herb. Leiden no.46 31 pl. 1922.

Nachrichtenbl. Deut. Pflanzenschutzd.

Baunacke, W.
Die untersuchung von kahnladungen zur verhütung der vorschleppung des kartoffolkrebses
Nachrichtenbl. Deut. Pflanzensch. 2: 90-93 N.1922 No.11

Gleisberg, Walther
Das rätsel der hernie verbreitung Nachrichtenbl. Deut. Pflanzensch. 2: 89-90 N.1922 no.11

New Phytol.

Hunter, C. and Rich, E. M.
An apparatus for the measurement of stem elongation New Phytol. 22: 44-47 illus. F.1923 no.1

Priestley, J.H. & Ewing, J.
Physiological studies in plant anatomy VI. Etiolation New Phytol. 22: 30-44 F.1923 no.1
References: p. 43-44

Stiles, Walter
Permeability Chap. XI The determination of the permeability of plant cells to dissolved substances
New Phytol. 22: 1-29 F.1923 no.1

New Zeal. Journ. Agr.

Atkinson, Esmond
The bracken-ferns of New Zealand New Zeal. Journ. Agr. 26: 1-10 illus. Ja.1923. no.1
I. A comparative account of the species.

Greenwood, F. W.
Collar-rot in pea crops on the Wairau Plain
New Zeal. Dept. Agr. 26: 35-37 illus. Ja.1923 no.1

New Zeal. Journ. Sci. & Techn.

Cunningham, J. H.
Clathrus cibarius, the "bird-cage" fungus
New Zeal. Journ. Sci. & Techn. 5: 247-250 illus. D.1922 no.5.
Literature consulted: p. 250

Phytopath.

American phytopathological society- Summer field meeting
[Report]..4th, 1922 Phytopath. 13: 150-152 Mr.1923 no.3.

Brown, H. D. and Gardner, M. W.
Lightning injury to tomatoes Phytopath. 13: 147 illus. Mr.1923 no.3

Harter, L.L., Lauritzen, J.I. and Weimer, J.L.
Internal break down of sweet potatoes Phytopath. 13: 146-147 Mr.1923 no.3

Harter, L.L., Lauritzen, J. I. and Weimer, J.L.
Mottle-necrosis of sweet potatoes Phytopath. 13: 145-146 illus. Mr.1923 no.3.

Hopkins, E. F.
The Sphaerulina leaf spot of clover Phytopath. 13: 117-126 illus., pl. viii-ix Mar.1923. no.3

Lee, Henry Atherton
Sereh disease of sugar cane in Singapore
Phytopath. 13: 145 Mr.1923 no.3

Phytopath. (cont.)

Levine, Michael
Studies on plant cancers V Phytopath. 13: 107-116 pl. v-vii Mr.1923 no.3
Literature cited: p. 116
V. Leaf crown galls on tobacco plants resulting from Bacterium tumefaciens inoculations.

Noble, R. J.
Studies on Urocystis tritici Koern., the organism causing flag smut of wheat. Phytopath. 13: 127-139 illus. pl.x Mr.1923 no.3
Literature cited: p. 139

Valleau, W. D.
An important period in the life history of two bacterial organisms causing leaf-spots on tobacco Phytopath. 13: 140-144 illus. Mr.1923 no.3

Proc. Amer. Acad.

Evans, A. W.
The Chilean species of Metzgeria Proc. Amer. Acad. 58: 271-324 illus. Mr.1923 no.7

Proc. Amer. Cranberry Grow. Assoc.

Stevens, N. E.
The possible relation of spring temperatures to the keeping quality of the cranberry crop Proc. Amer. Cranberry Grow. Assoc. 53: [7]-[11] 1923

Proc. Linn. Soc. N.S.W.

Blakely, W.F.
The Loranthaceae of Australia pt.ii Proc. Linn. Soc. N. S. W. 47: 199-222 pl. xxvii-xxxii S.1922 no.3.

Proc. & Trans. Roy. Soc. Canada

Lloyd, F. E.
Bog-forests of Lake Memphremagog, their destruction and consequent succession in relation to water levels Proc. & Trans. Roy. Soc. Canada III, 16(Sect.V): 45-48 1922
References: p. 48

Lloyd, F. E.
The occurrence and functions of tannin in the living cell Proc. & Trans. Roy. Soc. Canada III, 16(Sect.V): 1-13 iii pl. 1922
Literature cited: p. 11-13

Lloyd, F. E.
River bank and beach vegetation of the St. Lawrence river below Montreal in relation to water levels. Proc. & Trans. Roy. Soc. Canada III, 16: (Sect.): 49-50 1922

McKay, A.H.
A charter member's work (1831-1921) Professor John Macoun, M. A., F.L.S., Canadian naturalist and explorer Proc. & Trans. Roy. Soc. Canada III, 16: xix-xxi. 1922

Newton, Margaret
Studies on wheat stem rust (Puccinia graminis tritici) Proc. & Trans. Roy. Soc. Canada III, 16(Sect.V): 153-210 vi pl. 1922
Bibliography: p. 205-208

Saunders, C.E. and Moe, G.G.
Some observations on the inheritance of awns and hoods in barley Proc. & Trans.Roy. Soc. Canada III, 16 (Sect.V): 15-26 pl. A-F 1922

Proc. & Trans. Roy. Soc. Canada (cont.)
Scarth, G. W.
A study of induced changes in form of the chloroplasts of Spirogyra and Mougeotia Proc. & Trans. Roy. Soc. Canada. III, 16(Sect.V): 51-55 1922
References: p. 55

Sifton, H. B.
The bar of Sanio and primordial pit in the gymnosperms Proc. & Trans. Roy. Soc. Canada III, 16 (Sect.V): 83-99 v pl. 1922
Literature cited: p. 98

Queensl. Agr. Journ.
White, C.T. & Francis, W.D.
Queensland trees no.17 The black apple or black plum (Sideroxylon australis) Queensl. Agr. Journ. 19: 78-80 illus. F.1923 no.2

White, C.T.
Weeds of Queensland no.29 The peach leaf poison bush or wild peach (Trema aspera) Queensl. Agr. Journ. 19: 81-82 illus. F.1923 no.2

Repert. Spec. Nov. Fedde
Apt, F.W.
Beiträge zur kenntnis der mittelamerikanischen smilaceen und sarsaparilldrogen II Repert. Spec. Nov. 18: 385-422 D.1922 no.19/30

Bitter, Georg
Ergänzungen zu Lycianthes I Repert. Spec. Nov. 18: 314-321 D.1922 no.19/30

Bitter, Georg
Solana nova vel minus cognita XXI. Repert. Spec. Nov. 18: 301-309 D.1922 no.19/30

Brand, August
Decas speciarum novarum altera Repert. Spec. Nov. 18: 309-314 D.1922 no.19/30
Nama chrenbergii, new species in Lappula and Allocarya

Dinter, Kurt
Index der aus Deutsch-Südwestafrika bis zum jahre 1917 bekannt gewordenen pflanzenarten XII Repert. Spec. Nov. 18: 423-441 D.1922 no.19/30

Harms, Hermann
Einige neue Meliaceen aus Peru I Repert. Spec. Nov. 18: 447-448 D.1922 no.19/30
Cahralea weberbaueri Guarea subviridiflora

Harms, Hermann
Neue arten der gattung Passiflora L. Repert. Spec. Nov. 18: 291-298 D.1922 no.19/30

Knuth, Reinhard
Geraniaceae novae Dekas I Repert. Spec. Nov. 18: 289-291 D.1922 no.19/30

Kükenthal, Georg
Cyperaceae novae VI Repert. Spec. Nov. 18: 345-346 D.1922 no.18/30

Loesener, Theodor
Mexikanische und zentralamerikanische novitäten XVII Repert. Spec. Nov. 18: 363-375 D.1922 no.18/30

Repert. Spec. Nov. (cont.)

Mattfeld, Joh and Bitter, G.
Genus Tunaria O.K. e solanaceis excludendum (- Cantu pirifolia Juss.) Repert. Spec. Nov. 18: 299-300 D.1922 no.19/30

Pfeiffer, Hans
De novis et criticis speciebus generum saepe ignotorum Sclericarum Repert. Spec. Nov. 18: 375-385 D.1922 no.19/30

Pilger, Robert
Beiträge zur kenntnis der gattung Plantago Repert. Europ. et Medit. 1: 529-555 D.1922 no.34/35

Radlkofer, Ludwig
Sapindaceae asisticae novae vel emendatae Repert. Spec. Nov. 18: 332-345 D.192 2 no.19/30

Schlechter, Rudolf
Orchidaceae novae et criticae decas LXXIV Additamenta ad orchideologiam madagascarensem II Repert. Spec. Nov. 18: 321-326 D.1922 no.19/30

Schulz, O. E.
Bemerkungen zur gattung Pantorrhynchus Hurbeck Repert. Spec. Nov. 18: 331- D.1922 no.19/30
-Trachystoma ballii

Warburg, Otto
Plantae novae borneenses Repert. Spec. Nov. 18: 327-330 D.1922 no.19/30

Rep. Agr. & Stock Dept. Tasmania

Nicholls, H. M.
Report of government microbiologist Rep. Tasmanian Agr. & Stock Dept. 1921/22 p.20-25 1922

Rev. Gén. Sci.

Molliard, Marin
Gaston Bonnier (1853-192 2) Rev. Gén. Sci. Puret Appl. 34: 65-66 F.1923

Rhodora

Blake, S. F.
Oenothera perennis L. var. rectipilis (Blake) nov. comb. Rhodora 25: 47 Mr.1923 no.281

Fernald, M. L.
Another orchid nes to New England Rhodora 25: 47-48 Mr.1923 no.291

Fernald, M. L.
The estuarine Bidens of the Miramichi Rhodora 25: 43-44 Mr.1923 no.291
B. hyperborea var. arcuans

Lownes, A.E.
Habenaria hyperborea in Rhode Island Rhodora 25: 44-45 Mr.1923 no.291

New England botanical club
Reports on the flora of the Boston district XXXIX Rhodora 25: 37-43 Mr.1923 no.291

Nye, H. A.
A new station for Daphne Rhodora 25: 45-46 Mr.1923 no.291
Smithfield, Somerset Co., Mass.

Setchell, W. A.
Dumontia filiformis on the New England coast Rhodora 25: 33-37 Mr.1923 no.291

Rhodora (cont.)

Robbins, C. A.
Cladonia beaumontii in Massachusetts Rhodora 25: 46-47 Mr.1923 no.291

Science

Davis, A. R., Hoagland, D. R. and Lipman, C.B.
The feeding power of plants Science 57: 299-301. Mr.9,1923 no.1471

Bernhard Eduard Fernow Science 57: 255-256 Mr.2,1923 no.1470

Gardner, M. W. and Kendrick, J.B.
Bacterial spot of cowpea Science 57: 275 Mr.2,1923 no.1479
Bacterium vignae n.sp.

Lloyd, F.E.
The cytology of vegetable crystals Science 57: 273-274 Mr.2,1923 no.1470

Robinson, B.L.
The need of monographic activity in American botanical taxonomy. Science 57: 307-311 Mr.16,1923 no.1472

Sci. Bull. Div. Bot. Dept. Agr. So. Africa

Evans, M. P.
Rusts in South Africa I Sci. Bull. Div. Bot. Dept. Agr. So. Africa no.1, 1923 14 p. illus., v. col. pl.
I. A sketch of the life-cycle of the rust on besem grass and wild sweet pea
New species of Puccinia not yet described

Science Progr.

Butler, E. J.
Some characteristics of the virus diseases of plants. Science Progr. 17: 416-431 Ja.1923 no.67.

Scient. Amer.

Illington, George
New foods for old. Modern needs and modern enterprise vs. the natural inertia of our appetites Scient. Amer. 128: 174 illus. Mr.1923 no.3

De Thee

Menzel, R.
Tephrosia en wortelaaaltjes De Thee 3: 129 pl. xxiv D.1922 no.4
Heterodera radicicola

Trans. Illinois State Hort. Soc.

Brock, W. S.
The control of blotch and scale Trans. Illinois State Hort. Soc. 56(1922): 432-439 1923

Roberts, J. W. and Pierce, Leslie
The bacterial spot of peach Trans. Illinois State Hort. Soc. 56 (1922): 78-87 1923

Ruth, W. A. and Kelly, V. W.
Recent advances in spraying Trans. Illinois State Hort. Soc. 56(1922): 90-103 pl. 1923

U. S. Dept. Agr. Circ.

Thorne, Gerald
Length of the dormancy period of the sugar-beet nematode in Utah U.S.Dept. Agr. Dept. Circ.262 5 p. F.1923

Weekbl. Bloembollencult.
Slogteren, Egbertus van
De narcissen-cultuur en hetgeen daarmede in verband staat met betrekking tot de Amerikaanse toestanden Weekbl. Bloembollencult. 33: 279-280, 283-284, 287 F.16,20,23,1923. no.65,66.

Zeitschr. Bot.
Rawitscher, Felix
Epinastie und geotropismus Zeitschr. Bot. 15: 65-100 pl.i 1923 no.2
Literaturverzeichnis: p. 99-100

Stocker, Otto
Die transpiration und wasserökologie nordwestdeutscher heide- und moorpflanzen am standort Zeitschr. Bot. 15: 1-41 illus. 1923. no.1
Erwähnte literatur: p. 40-41

Exper. Stat. Publ.
Fergus, E. N.
Self-sterility in red clover. A report of progress on an attempt to secure self-fertile lines in this crop. Kentucky Agr. Exp. Stat. Circ. 29: 17-36 D.1922
Literature cited: p. 36

Osmun, A. V.
The crop disease situation in 1921 Ann. Rep. Mass. Agr. Exp. Stat. 34(1921, pt.1/2): 62a-75a 1922?

Bennett, C. W.
Apple scab and its control. Quart. Bull. Mich. Agr. Exp. Stat. 5: 130-134 illus. F.1923 no.3
Pre-pink spray necessary to insure scab-free apples.

Nelson, Ray
The occurrence of protozoa in plants affected with mosaic and related diseases Mich. Agr. Exp. Stat. Techn. Bull. 58 30 p. illus. D.1922
Literature cited: p. 29-30

Goss, R. W.
Potato diseases in Nebraska Nebraska Agr. Exp. Stat. Bull. 186 32 p. illus. F.1923

NEW BOOKS

Sartory, A. & Maire, L.
Compendium Hymenomycetum fasc.6, 1922.

Library, Bureau of Plant Industry
Current Author Entries, 1923, List 106,
Indexed Mar.26-Apr. 7, 1923.

Aarb. Gartn.
Weber, Anna
Tomatsygdomme. Aarb. Gartn. v.4, suppl.
70 p. 3 pl.. 1922.
Litteratur: p . 62-66.

Agr. Gaz. Canada
Partridge, George
Potato inspection and certification in Canada, 1922. Agr. Gaz. Canada 10: 121-123. Mr./Ap.1923. no.2.

Amer. Journ. Bot.
Bartholomew, E. T., Barrett, J.T. & Fawcett, H.S.
Internal decline of lemons II. Growth rate, water content and acidity of lemons at different stages of maturity. Amer. Journ. Bot. 10: 117-126. Mr.1923. (Ap.) no.3.
Literature cited: p. 126.

Clayton, E. E.
The relation of soil moisture to the Fusarium wilt of the tomato. Amer. Journ. Bot. 10: 133-147. pl. xiii-xv. Mr.1923. no.3.
Literature cited: p. 146.

Rosa, J.T., jr.
Note on indirect effect of spraying potatoes with Bordeaux mixture. Amer. Journ. Bot. 10: 113-116. illus. Mr.1923. no.3.
Literature cited: p. 116.

Amer. Journ. Pharm.
Lichtin, Aaron
The iron content of lettuce. Amer. Journ. Pharm. 95: 154-159 illus. Mr.1923. no.3.
References: p. 159.

Angew. Bot.
Ferdinandsen, Carl
Ueber einen angriff von krebs (Fusarium willkommii Lindau) an apfele und birnfrüchten Angew. Bot. 4: 173-184. pl. i-iii. Jl./Ag.1922 . no.4.

Oberstein, Otto
Saatbeizapparat-ausstellung. Angew. Bot. 4: 185-190. pl. iv-v Jl./Ag.1922. no.4.
Literatur: p. 189-190.

Werneck-Willingrain, H.L.
Der sorkenbau auf pflanzengeographischer grundlage. Angew. Bot. 4: 161-173. Jl./Ag.1922 no.4.

Ann. Mycol.
Dietel, Paul
Kleine beiträge zur systematik der uredineen III Ann. Mycol. 21: 84-88 1923. no.1/2.

Henkel, A.
Neues und bemerkenswertes der pilzflora Thüringens. Ann. Mycol. 21: 143-149. 1923. no.1/2.
Stictochorella vogelii, Hendersonia asterina, Camarosporium populinum n. sp.; Phaeosphaerella syringae Sydow in litt.

Keissler, Karl
Revision einiger von Fautrey aufgestellter pilze (nebst sonstigen kritischen bemerkungen) Ann. Mycol. 21: 70-83 1923. no.1/2.

Ann. Mycol. (cont.)

Luyk, A. van
Ueber einige sphaeropsideae und melanconieae auf nadelhölzern. Ann. Mycol. 21: 133-142. 1923. no.1/2.
Literaturverzeichnis: p. 142

Petrak, Franz
Beiträge zur pilzflora von Sternberg in Mähren I Ann. Mycol. 21: 107-132. 1923.
Phragmocalosphaeria n.g., P. piskorzii; Diplopleno domus piskorzii.

Petrak, F.
Mykologische notizen V. Ann. Mycol. 21: 1-69. 1923. no.1/2.

Sydow, Hans
Ein neuer beitrag zur kenntnis der pilzflora der Philippinen-Inseln Ann. Mycol. 21: 93-106. illus. 1923. no.1/2.
Oplothecium n.g., O. arecae.

Sydow, Hans
Ueber einige in Britisch Nord-Borneo gesammelte pilze. Ann. Mycol. 21: 89-92. 1923. no.1/2.
Aedidium leeanum, Meliola oligopoda, M. borneensis, M. obvallata, M. permixta, Cercospora rufula n.sp.

Ann. Serv. Epiph.

Ducomet, Vital
Les maladies de dégénérescence de la pomme de terre. Ann. Epiph. 8: 27-83. 1922. no.3.

Ann. di Bot.

Bambacioni, Valeria
Osservazioni sulla struttura del citoplasma in relazione con le fibrille del Nemec. Annali di Botanica 16: 1-8. pl. i. Ja.1923. no.1
Bibliographical footnotes.

Carauo, Enrico and Bambacioni, Valeria
Ricerche sul genere Bellis L., con speciale riguardo alla B. hybrida Ten. Annali di Botanica 16: 9-70 illus. Ja.1923. no.1.
Opere citate: p. 69-70.

Cortesi, Fabrizio
Osservazioni sistematiche su alcune specie del gen. Convolvulus Linn. Annali di Botanica. 16: 139-153 Ja.1923. no.1
Bibliographical foot-notes.

Munerati, Ottavio
Sul probabile meccanismo della eredità mella olierna barbabietola da zucchero e sulle possibilità di un ulteriore perfezionamento del tipo. Annali di Botanica 16: 122-138. Ja.1923. no.1.

Villani, Armando
Sulla classificazione delle crocifers. Ann. di Bot. 16: 71-121 Ja.1923, no.1
Bibliographical foot notes

Ann. Appl. Biol.

Millard, W. A.
Common scab of potatoes. II. Ann. Appl. Biol. 10: 70-88 pl. iii-iv. F.1923. no.1
References: p. 88.

Paine, S. G. & Bewley, W. F.
Studies in bacteriosis VIII. Further investigation of the "stripe" disease of tomato. Ann. App. Biol. 10: 89-93. F.1923. no.1

Ann. Appl. Biol. (Cont.)

Priestley, J. H. and Woffenden, L. M.
The healing of wounds in potato tubers and their propagation by cut sets. Ann. Appl. Biol. 10: 96-115. illus. F. 1923.
References: p. 115.

Roach, W. A.
Studies in the varietal immunity of potatoes to wart diseases (Synchytrium endobioticum Schilb., Perc.) Ann. Appl. Biol. 10: 112-146. F. 1923. no. 1.
Reference: p. 146.

Tattersfield, F. and Roach, W.A.
The chemical properties of Derris elliptica (Tuba root) Ann. Appl. Biol. 10: 1-17. illus. F. 1923. no. 1.
Literature cited: p. 17.

Arch. Asoc. Peruana Progr. Cien.

Herrera, Fortunato
Las cactaceas del departamento del Cuzco Arch. Asoc. Peruana Progr. Cien. v.2, f.2, p. 68-73. 6 pl. 1922.

Weberbauer, Augusto
Estudios concernientes a las relaciones entre la estructura anatomica de las hojas y la altura sobre el nivel del mar. Arch. Asoc. Peruana Progr. Cien. v. 2, f. 2, p. 50-67 1922.

Beitr. Pflanzenz.

Schaffnit, Ernst
Neuere untersuchungen über die brennfleckenkrankheit der Bohnen. Ein beitrag zur kenntnis der empfänglichkeit von pflanzenrassen für einen spezifischen krankheitserreger. Beitr. Pflanzenz. 6: 25-34. 1922.

Wollenweber, Hans W.
Die verschiedenen methoden der kartoffelzüchtung unter berücksichtigung der krankheitsforschung Beitr. Pflanzenz. 6: 35-44 1922.

Zade, Adolf
Erfahrungen mit der neuzeitlichen sortenversuchsmethode Beitr. Pflanzenz. 6: 11-24 1922.

Bot. Gaz.

Bailey, Irving W.
Notes on neotropical ant-plants. II: Tachigalia paniculata Aubl. Bot. Gaz. 75: 27-41 illus., pl. i-ii Mr. 1923. no. 1.

Boswell, V. R.
Dehydration of certain plant tissues. Bot. Gaz. 75: 86-94 Mr. 1923. no. 1.

Hass, A.R.C.
Pot cultures with barley in soil from a long-time fertilizer experiment. Bot. Gaz. 75: 95-102. illus. Mr. 1923. no. 1.

Rogers, L.M.
Development of the prothallium of Lygodium palmatum. Bot. Gaz. 75: 75-85 pl. iv-vi Mr. 1923. no. 1.
Literature cited: p. 83-84.

Robertson, Charles.
Flowers and insects. No. XXII. (Pollination) Bot. Gaz. 75: 60-74. Mr. 1923. no. 1.
Literature cited: p. 72-74.

Santos, Jose K.
Differentiation among chromosomes in Elodea. Bot. Gaz. 75: 43-59. pl. iii. Mr. 1923. no. 1.
Literature cited: p. 57-59.

Bot. Gaz. (Cont.)

Sewell, M.C.
Effect of Andropogon sorghum on succeeding crops of Triticum sativum vulgare. Bot. Gaz. 65: 1-26. illus. Mr. 1934. no. 1.
Literature cited: p. 25-26.

Bot. Arch.

Fuchs, A. and Ziegenspeck, H.
Aus der monographie des Orchis traunsteineri Sauter II. Teil. Mykorhiza and boden. Bot. Arch. 3: 237-261. 1923.

Horn, Trude
Das gegenseitige mengenverhältinis der kohlenhydrate im laubblatt in seiner abhängigkeit vom wassergehalt. Bot. Arch. 3: 137-173. F. 1923. no. 3.
Literatur-verweise und anmerkungen: p. 172-173.

Klott, Wolfgang
Pseudospigelia, eine neue gattung der loganiaceae Bot. Arch. 3: 134-136 F. 1923.
P. polystachya.

Kordes, Herbert
Biologische untersuchungen über das in dauerzellen und hyphen verschiedener pilze auftretende fett. Bot. Arch. 3: 282-311 1923. no. 6
Benützte literatur: p. 310-311.

Oriken, Albin
Kritisches und experimentelles zur frage nach der ernährungsphysiologischen leistung des milchsaftes Botl. Arch. 3: 262-272 1923. no.5.
Literatur-verweise und anmerkungen: p. 271-272.

Rossner, Ferdinand
Untersuchungen über die beziehungen zwischen bestäubung und blütendauer Bot. Arch. 3: 61-128 F. 1923.
Literatur-verweise: p. 126-128.

Sätina, Sophie
Beiträge zur kenntnis des ascomyceten Magnusia nitida Sacc. I Bot. Arch. 3: 273-281. illus. 1923. no. 6.
I. Befruchtung und entwickelungsgeschichte des perithecium, nebenfruchtform des pilzes.

Steinecke, Fr
Microchaete spirulina, eine neue Nostocacee Bot. Arch. 3: 272. illus. 1923. no. 5.

Bulet. Inform. Grad. Bot. Univ. Cluj.

Prodan, Gyula
Oecologia plantelor halofile din România, comparate cu cele din Ungaria şi şesul Tisei din regatul SHS. (Die oekologie der halophyten Romäniens (umare şi fin) Bulet. Inform. Grad. Bot. Univ. Cluj 2: 101-113 iii pl. 1922. no. 4.
German resumé

Bull. Bur. Bio-Techn. Murphy & Son

Parker, Theodore and Long, A. W.
Spray spreading agents Bull. Bur. Bio-Techn. Murphy & Son Lond. no. 8. p. 252-258 illus., pl. 8 Ja. 1923.

Parker, Theodore
The suppression of insect and fungoid pests 2 The fumigation and disinfection of glasshouses Bull. Bur. Bio-Techn. Murphy & Son, London, 1: 24[illegible]-248 Ja. 1923. no. 8.

Bull. Deli Proefst. Medan, Sumatra
Jochems, S.C.J.
De invloed van zwavelkoolstof op de kiemracht van tabaks zaad Bull. Deli Proefst. Sumatra no. 17 12 p. 1922.
Action of carbon disulfid on germination of tobacco seed.
English summary: p. 12.

Pahn, Björn T
Zaadvorming en zadd steriliteit in Deli-tabak
Bull. Deli Proefst. Sumatra no.16 18 p. 1922.
Literaturlijst: p. 7-18.
Seed development and seed sterility.
English summary: p. 18.

Bull. Dept. Agr. Ceylon
Bryce, George and Gadd, C.H.
Improvement of yield in Hevea by the selection of seed bearers. Bull. Dept. Agr. Ceylon 55 42 p. N. 1922.
Bibliography: p. 41-42

Bull. Misc. Inform. Kew.
Gamble, J. S.
Neohouzeaua, a new genus of bamboo. Bull. Misc. Inform. Kew 1923, p. 89-93. illus. 1923. no. 2.
N. tavoyana.

Hutchinson, John
Contributions towards a phylogenetic classification of flowering plants. I. Bull. Misc. Inform. Kew. 1923, p. 65-89 illus. (map) 1923. no. 2.

Bull. Soc. Dendrol. France
Hickel, Robert
Le sapin de douglas (Pseudotsuga douglasii)
Bull. Soc. Dendrol. France 1923 p. 5-24. no. 46.

Bull. Soc. Hist. Nat. Afr. Nord.
Alleizette, Ch d'
Notes sur mes herborisations Algériennes (2d serie) Bull. Soc. Hist. Nat. Afr. Nord. 14: 58-64 illus. 1923. no. 2.

Braun-Blanquet, Josias & Maire, René.
Contributions à l'étude de la flore Marocaine
Bull. Soc. Hist. Nat. Afr. Nord. 14: 73-77 1923. no. 2.

Jahandiez, Emile and Maire, R.
Plantae maroccanae novae Bull. Soc. Hist. Nat. Afr. Nord. 14: 65-73 1923. no. 2.
Arabis josiae, Euphorbia mereidum, Globularia licuvillei, Cirsium dyris n.sp.

Maire, René and Trabut, L.
Jules Aimé Battandier (1848-1922) Bull. Soc. Hist. Nat. Afrique Nord 14: 47-58 1923.
Liste des publications de J.-A. Battandier: p. 51-58.

Bull. Soc. Path. Exot.
Franchini, G.
Protozoaires de muscides divers capturés sur des euphorbes Bull. Soc. Path. Exot. 15: 970-978 illus. D. 1922. no. 10.

Calif. Citrogr.
Webber, Herbert J.
The June drop of oranges. Calif. Citrogr. 8: 183, 196-197 Ap. 1923. no. 6.
same as article in Citrus Leaves, v.3, no.3.

Chem. & Industr.
Baly, E.E.C.
The growth of plants. Chem. & Industr. 42: 256-258 Mr. 16, 1923. no. 11

Compt. Rend. Acad. Sci. Paris
Bugnon, Pierre
Sur le nombre des cotylédons de la ficaire. Compt. Rend. Acad. Sci. Paris 176: 766-769. Mr. 12, 1923. no. 11.
Bibliographical foot-notes.

Mirande, Marcel
Sur la nature de la sécrétion des stéréoplastes du lis blanc. Compt. Rend. Acad. Sci. Paris. 176: 769-771 Mr. 12, 1923. no. 11
Bibliographical foot-notes.

Trabut, Louis
Carpomanie et mutations gemmaires chez les citrus cultivés. Compt. Rend. Acad. Sci. Paris 176: 772-774. Mr. 12, 1923. no. 11.

Compt. Rend. Soc. Biol. Paris
Emberger, Louis
A propos des résultats de Sapehin sur la cytologie des lycopodinées homosporées Compt. Rend. Soc. Biol. 87: 1396-1398 illus. 1922 no. 39

Emberger, Louis
Nouvelle contributions à l'étude cytologique des sélaginelles Compt. Rend. Soc. Biol. Paris 87: 1398-1400 1922 no. 39.

Emberger, Louis
Sur la cytologie des lycopodinées homosporées Compt. Rend. Soc. Biol. Paris 87: 1394-1396. illus. 1922. no. 39.

Nicolas, Emile and Nicolas, G.
L'influence de l'aldéhyde formique sur les végétaux supérieurs et la synthèse chlorophyllienne Compt. Rend. Soc. Biol. 87: 1315-1318 1922. no. 39.

Contr. Bot. Cluj, Roumanie
Grinţescu, Ioan
Le noir des blés en Roumanie Contr. Bot. Cluj v.1, fasc. 3, p. 292-295 Ja. 1923.
Reprinted from Bulet Soc. Ştiint Cluj v. 1, My.1922
----- Sur l'oidium du chêne et ses périthèces Contr. Bot. Cluj v.1, fasc.3, p. 497-505 illus. Ja. 1923.
Reprinted from Bulet. Soc. Ştiint. Cluj v.1 Ja.1923.

Country Life London
Dykes, William R.
Bubious irises I Country Life 53: 395-396. illus. Mr. 24, 1923. no. 1368.

Curt. Bot. Mag.
Curtis's Bot. Mag. v. 148, pt. 1 col.pl. 8931-45 O. 1922.
Jasminum rex, Rhododendron williamsianum, Podanthum floribundum, Mesembrianthemum fragrans, Aeschynanthus sikkimensis, Primula sinolisteri, Stapelia tsomoersis, Philadelphus sericanthus, Rhododendron baileyi, Bublophyllum triste, Symphytum grandiflorum, Phellodendron lavallei
----- v.148,pt. 1 col.pl. 8946-56 F. 1923.
Rhododendron sulfureum, Euphorbia anoplia, Malus toringoides, Mammillaria fletcheriana, Amorphophallus Echinocactus undulatus, Dracocephalum isabellae, Rhododendron planetum, Cirrhopetalum tripudiana, Lachenalia convallariodora, Lonicera griffithii.

Flora

Huber, G. and F. Naplow
Experimentelle untersuchungen über entwicklung und formbildung von Ceratium hirundinella O.F. Müller. Flora 116: 114-215 illus. 1923. no.1/2.

Hartmann, Albert
Zur entwicklungsgeschichte und biologie der acanthaceen Flora 116: 216-258 pl. iv 1923. no. 1/2.
Literatur: p. 257-258.

Stoeltler, Gottfried
Ueber reduktionserscheinungen im bau der antheren-wand von angiospermen-blüten Flora 116: 85-108 pl. ii-iii 1923. no. 1/2.
Literaturverzeichnis: p. 107-108.

Schürhoff, P. N.
Zur apogamie von Calycanthus Flora 116: 73-84 pl. i 1923 no. 1/2
Literaturverzeichnis: p. 83-84.

Flow. Grow.

Soares, Antone J.
The fritillary. Flow. Grow. 10: 128. illus. Ap. 1923.

Gard. Mag.

Wilson, E.H.
Travel tales of a plant collector IV. More about the plants of Australia Gard. Mag. 37: 127-130. illus. Ap. 1923. no. 2.

Gard. Chron.

Brotherton, R. P.
"Gordon's gardening" Gard. Chron. III, 73: 120. Mr. 3, 1923.
The planters', florists' and gardeners' pocket dictionary...By James Gordon 1774.

Lynch, R. I.
Northern plants in the antipodes Gard. Chron. III, 73: 120 Mr. 3, 1923. no. 1889.

Robertson Proschowsky, A.
Palms of the Riviera Gard. Chron. III, 73: 136 Mr. 10, 1923. no. 1889.

Savage, S.
Early botanic painters no. 3 Jacques Le Moyne de Morgues Gard. Chron. III, 73: 148-149 illus. Mar. 17, 1923.

Ward, F. K.
Mr. Kingdon Ward's seventh expedition in Asia X Over the La-pu pass Gard. Chron. III, 73: 134. Mr. 10, 1923 no. 1889.

Hints Potato Grow. N.J. Potato Grow. Assoc.

Martin, W. H.
"Spindle tuber" a new potato troubbe Hints Potato Grow. N.J. Potato Grow. Assoc. v.3, no. 8 4 p. D. 1922.

Journ. Agr. Res. Reprints (Preprinted)

Hurd, A.M.
Hydrogen-ion concentration and varietal resistance of wheat to stemrust and other diseases Preprinted from Journ. Agr. Res. v.23, no.5 p. 373-386. 1923.

Journ. Bot.

Good, R. D'O
New tropical African Rubiaceae Journ. Bot. 61: 86-87 Mr. 1923. no. 723.
Sabicea nobilis, S. fulvovenosa, Urophyllum cauliflorum, U. biloculare.

Journ. Bot. (Cont.)

Sprague, T. A.
Notes on Rhododendron II Journ. Bot. 61: 83-85. Mr. 1923. no. 723
Reply by W. Fawcett & A. B. Rendle: p. 85.

Stephenson, T. and [illegible] Stephenson, T.A.
Orchis praetermissa Druce Journ. Bot. 61: 65-68 pl. 566. Mr. 1923. no. 723.

Journ. Dept. Agr. So. Africa

Rutterill, V.A.
Plant diseases in the western Cape province VII Silver leaf disease of fruit trees. Journ. Dept. Agr. So. Africa 6: 235-236 illus. Mr. 1923 no.3.

Journ. R. Hort. Soc.

Bosewen, A.T.
Some New Zealand trees and shrubs in Cornish gardens Journ. Roy. Hort. Soc. 48: 1-8 plates Ja. 1923.

[illegible]
Chittenden, F.J.
New or noteworthy plants in the Society's gardens III Journ. Roy. Hort. Soc. 48: 60-64 fig. 22-23 Ja. 1923. no. 1
Primula winteri, P. juliae, Lonicera thibetica, Rhododendron [illegible]trichotum.

Coutts, J.
Lilies Journ. Roy. Hort. Soc. 48: 22-37 Ja. 1923. no. 1.

[illegible]
Dowson, W. J.
The wilt diseases of Michaelmas daisies. Journ. Roy. Hort. Soc. 48: 38-57 fig. 11-18 on 4 pl. Ja. 1923. no. 1.
References: p. 57.
Cephalosporium asteris Dow. n.sp.

Stern, F.C.
Gardening on chalk Journ. Roy. Hort. Soc. 48: 9-15 plates Ja. 1923. no. 1.

Journ. Wash. Acad. Sci.

Blake, Sidney F.
Two new genera related to Harvalina Journ. Washington Acad. Sci. 13: 102-105 illus. Mr.19, 1923. no. 6.
Ericentrodea (E.comazonensis, E. homogama, E. mirabilis); Cyathomone (C. schiedi)

Britton, Nathaniel L. and Standley, P.C.
Three new species of the family Rubiaceae from Trinidad Journ. Washington Acad. Sci. 13: 105-107 Mr. 19, 1923. no. 6.
Evea tontaneoides, Urceolaria clusiaefolia, U. angustifolia.

Mem. Bot. Surv. So. Africa

Evans, I. B. Pole, and others
A guide to botanical survey work Mem. Bot. Surv. So.Africa no. 1 1922.

Mem. Dept. Agr. India Bot. Ser.

Howard, Albert, & Howard, G.L.C. & Khan, A.R.
The wheats of Bihar and Orissa Mem. Dept. Agr. India Bot. Ser. v. 12, no. 1. p. 1-20 F. 1922.

Mitra, Manoranjan
Helminthosporium spp. on cereals and sugarcane in India pt. I. Diseases of Zea mays and Sorghum vulgare caused by species of Helminthosporium Mem. Dept. Agr. India Bot. Ser. v.11, no.10 p. 219-242 iii pl. F. 1923.

Missouri Bot. Gard. Bull.
[illegible] Nile
The true sacred Egyptain lotus of the Nile.
Missouri Bot. Gard. Bull. 11: 25-28, pl. 5
Mr. 1923.
Nymphaea lotus or N. caerulea.

Mitt. Biol. Reichanst. Forst. u. Landw.
Germany. Biologische reichanstalt für land- und forstwirtschaft
Krankheiten und besshädigungen der kulturpflanzen im jahre 1920 Its Mitt. 23 110 p. Ag. 1922.
Einfluss von krankheiten und schädlingen auf die ernte der kulturpflanzen Bearb. v. M. Schwartz
Die witterungsverhältnisse auf die pflanzlichen kultutren. Bearb. v. E. Werth.
Krankheiten und beschädigungen der kulturpflanzen im jahre 1920 Bearb. v. H. Pape ' H. Sachtleben.

Mitt. Ges. Erdk. Leipzig
Gast, Gustav
Die Britische kolonie Goldküste Mitt. Ges. Erdk. Leipzig 1919/22 p. 103-194 fold.map 1923.
Zitierte literatur: p. 185-192.

Mycologia
Atwood, A.C.
Bibliographical notes Mycologica. 15: 103-105 Mr. 1923.

Faris, J. A.
Anthracnose of the Boston fern Mycologia 15: 89-95 pl. 8-9 Mr. 1923.
Tentatively called Glomerella nephrolepis
Literature cited: p. 95.

Fitzpatrick, H. N.
Monograph of the Nitschkieae. (concl.) Mycologia 15: 45-67 Mr. 1923. no. 2.
Literature cited: p. 63-67.

Murrill, W. A.
Poria cocos (Schw.) F.A. Wolf. Mycologia 15: 105-106. Mr. 1923. no.2.

Riddle, L.W.
The lichens of the Isle of Pines Mycologia 15: 68-88 Mr. 1923. no. 2.

Nat. Nurseryman.
McCormick, A.C.
Blight resistance in pear stocks Nat.Nurseryman 31: 112-114 Ap. 1923. no. 4.

Nature Mag.
Brooks, F. E.
Wild odors and where to find them. Nature Mag. v.1, no.3 p. 49-51 illus. Mr. 1923. no. 3.

Brownell, L.W.
The American beech tree Nature Mag. v.1, no.4, p. 43-45 illus. Ap. 1923.

Brownell, L.W.
The sugar maple Nature Mag. v.1,no.3, p. 17-19 illus. Mr. 1923. no. 3.

Dacy, G.H.
Cold weather governs the growth of many plants. An annual period of chilling is essential to their health. Nature Mag. v.1,no.3. p.36-37. illus. Mr. 1923. no.3.

Nature Mag. (Cont.)

Uncle Sam's horticultural hunters. How scientists are searching the world for new food and fruit plants for the United States. Nature Mag. v.1, no.3 p. 38-41 illus. Mr. 1923. no.3.

New Zeal. Journ. Agr.

Aston, B. C.
The poisonous, suspected and medicinal plants of New Zealand New Zeal. Journ. Agr. 26: 78-80 F. 20, 1923. no.2.

Cunningham, G.H.
Leaf-curl, bladder-plum, and cherry-curl. Their appearance, cause, and control. New Zeal. Journ. Agr. 26: 85-97 illus. F.20,1923. no.2.
Literature consulted: p. 97.

Taylor, W.H.
Tomato-diseases. Black-stripe and its control. New Zeal. Journ. Agr. 26: 101-103. F.20,1923.

Orchid Rev.

Ramsbottom, John
The capacity of orchids to survive in the struggle for existence Orchid Rev. 31: 71-74 Mr. 1923. no. 357.

Pharm. Journ.

Wallis, T.E.
Florida arrowroot from Zamia floridana, A.DC. Pharm. Jour. 110: 235-237 illus. Mr.17,1923. no. 3100.
References: p. 237.

Philipp. Agr. Rev.

Espino, R.S.
On the germination of coconuts Philipp. Agr. Rev. 11: 191-200 Ja. 1923 no. 6.
Literature cited: p. 200.

Herbert, D. A.
The gas in the coconut Philipp. Agr. 11: 177-179 Ja. 1923 no.6.
Bibliography: p. 179.

Serrano, C. B.
Prussic acid in Phaseolus lunatus and other beans Philipp. Agr. 11: 163-175 Ja.1923. no. 6.
Bibliography: p. 174-175.

Philipp. Journ. Sci.

Herter, Wilhelm
Lycopodiaceae borneenses Philipp. Journ. Sci. 22: 179-184 F. 1923. no. 2.

Shaw, W. R.
Merrillosphaera africana at Manila Philipp. Journ. Sci. 22: 185-211 F. 1923 no. 2.
Literature cited: p. 211.

Phytopath.

American phytopathological society
Report of the 14th annual meeting Phytopath. 13: 188-198 Ap. 1923.

Anderson, P. J. and Osmun, A. V.
An improved formaldehyde tank for the onion drill Phytopath. 13: 161-168. illus. Ap. 1923. no. 4.
Bibliographical foot-notes.

Phytopath. (Cont.)

Heald, F. De F., [illegible] Zundel, G.L., and Boyle, L.W.
The dusting of wheat and oats for smut.
Phytopath. 13: 169-183. illus. Ap.1923. no.4.

Tisdale, W.H., Taylor, J.W., and Griffiths, M.A.
Experiments with hot water, formaldehyde, copper carbonate, and chlorophol for the control of barley smuts. Phytopath. 13: 153-160. Ap. 1923. no. 4.
Literature cited: p. 160.

Weir, J.R.
The genus Polystictus and decay of living trees
Phytopath. 13: 184-186. Ap. 1923. no. 4.
Literature cited: p. 186.

Weir, J. R.
Poria papyracea (Schw.) Cke. Phytopath. 13: 187. Ap. 1923.

Pomol. Franç.

Chifflot, Jean
La maladie du plomb Pomol. Franç. 1923 p. 38-39 F. 1923 no. 2.

Proc. Biol. Soc. Wash.

Maxon, W. R.
A new Dryopteris from Dominica.
Proc. Biol. Soc. Wash. 36: 49-50 Mr.28, 1923.
Dryopteris mollicella.

Three new Composites from Bolivia Proc. Biol. Soc. Wash. 36: 51-54 Mr. 28,1923.
Erigeron senadiiformis; Aspilia lucidula; Calea rhombifolia.

Proc. Nat. Acad. Sci

Reed, H.S.
A note on the statistics of cyclic growth.
Proc. Nat. Acad. Sci. 9: 3-67 Mr.15,1923. no.3.

Proc. West. Canad. Soc. Agron.

Fryer, J. R.
A comparison of some physical properties of immaturely frosted and non-frosted seeds of wheat and oats. Proc. West. Canad. Soc. Agron. 2: 46-56 1922.

Hayes, H.K., and Stakman, E.C.
Wheat stem rust from the standpoint of plant breeding Proc. West. Canad. Soc. Agron. 2: 22-35 illus. 1922.
Literature cited: p. 34-35
Discussion of Hayes and Stakman's paper...by J.B. Harrington; p. 36-37.

Sanford, G. B.
The potato scab problem Proc. West. Canad. Soc. Agron. 2: 71-81 1922.
Bibliography: p. 80-81.

Rec. Trav. Bot. Néerl.
Cohen Stuart, C.F.
Ein mikrothermostat zum studium der protoplasmaströmung Rec. Trav. Bot. Néerl. 19: 139-183 1922 no. 2.

Schoute, J. C.
On whorled phyllotaxis Rec. Trav. Bot. Néerl. 19: 184-206 1922.

Rep. Bd. & Dept. Agr.
Whetzel, H.H.
Report of the pathologist Je.10-Dec.31,1921 Rep.Bd. & Dept. Agr. Bermuda 1921 p.30-64. 1922.

Rev. Agr. Puerto Rico
Vélez, Ramón
El mosaico del tabaco Rev. Agr. Puerto Rico 10: 25-26 F. 1923 no.11.

Rev. Bot. Appl.
Le Moult, Léopold
La destruction des insectes nuisibles par les parasites végétaux Rev. Bot. Appl. 3: 81-102 F. 1923 no. 18.

Rev. Gén. Bot.
Carpentier, A.
Revue des travaux de paléontologie végétale... 1910-19 (suite) Rev. Gén. Bot. 35: 101-112 F. 1923 no. 410

Choux, Pierre
Revue des travaux de botanique tropicale et subtropicale (1910-1919) (suite) Rev. Gén. Bot. 35: 92-100 F. 1923. no. 410.

Cordemoy, Jacob
Contribution a l'étude de la morphologie, de l'anatomie comparée, de la phytogénie et de la biogéographie des casuarinacées Rev. Gén. Bot. 35: 71-91. F. 1923 no. 410.

Leroux, Lucien & Désiré
Contribution a l'étude de la répartition du fer dans les plantes (suifin) Rev. Gén. Bot. 35: 57-70 F. 1923. no. 410.

Rev. Gén. Sci.
Beauverie, Jean
L'histoire de la phytopathologie d'après le Professeur Whetzel Rev. Gén. Sci. Pur. et Appl. 34: 106-110 F. 28, 1923 no. 4.

Rev. Hort.
Guillaumin, A.
Les Phalaenopsis cultivés et leurs hybrides (concl.) Rev. Hort. 95: 316-318 Mr.16,1923. no. 15.

Leroy, Ch
Quelques Magnolias nouveaux Rev. Hort. 95: 314-316 illus. Mr. 16, 1923.

Mottet, Seraphin
Les Iris hollandais et les I. xiphium praecox et I. filifolia Rev. Hort. 95: 312-314 illus. Mr. 16, 1923 no. 15.

Rev. Sci.
Dauphiné, André
L'unité de plan morphologique et structural dans les plantes vasculaires Rev. Sci. 60: 830-833 D. 23, 1923. no. 24.

Science

Campbell, D. H.
An interesting liverwort Science 57: 384-385. Mr. 30, 1923.
Monoselenium tenereum.

Holman, Richard
Use of the carbon dioxide freezing attachment of the rotary microtome. Science 57: 363-364. Mr. 23, 1923. no. 1473.

Scient. Agr.

Davidson, John
Commercial drug plant cultivation in British Columbia Sci. Agr. 3: 285-289 Ap. 1923.

Sci. Bull. Div. Bot. Dept. Agr. So. Africa

Evans, M.P.
Rusts in South Africa II. A sketch of the life-cycle of the rust on mealie and oxalis Sci.Bull. Div. Bot. Dept. Agr. So. Africa no.2, 1923. 8 p. illus., iv col. pl. no.2.

So. Afr. Fruit Grow.

Fruit tree diseases and their treatment. Crown gall South African Fruit Grow. 10: 33 illus. F. 1923. no. 2.
illus. also p. 34,35.

So. Lumberm. Journ.

Humphrey, C. J.
The destruction by the fungus "Poria incrassata" of conifferous timber in storage and when used in the construction of buildings So. Lumb. Journ. v.49, no.3, p. 36-37, 49-53, 55 illus. F.1,1923.

Till. C. Landbruks. Dep. Aarsb.

Jørstad, Ivar
Landbruksvekster og grønnsaker Till. C. Landbr. Dep. Aarsb. Kristiania. 79 p. illus. 1922.
----- Beretning om sprøitefors øk mot soppsykdommer i fruktthaven i 1921 Till. C. Landbr. Dep. Aarsb. Kristiania 29 p. illus. 1922.

Die Umschau

Loeser, R.
Anpassung gegen anpassung Umschau 27: 131-133 illus. Mr. 1923.

U.S. Dept. Agr. Bull.

McKinney, H.H. and Larimer, W.H.
Symptoms of wheat rosette compared with those produced by certain insects. U.S. Dept. Agr. Bull. 1137. 8 p. iv pl. Mr. 1923 (Ap.)
Literature cited: p. 8.

U.S. Dept. Agr. Circ.

Stakman, E. C.
Barberry eradication prevents black rust in western Europe. U.S. Dept. Agr. Circ. 269 14 p. illus. Ap. 1923.

U.S. Dept. Agr. Farm. Bull.

Clark, J.A. and Martin, J.H.
The club wheats U.S. Dept. Agr. Farm. Bull. 1303 17 p. illus. Ja. 1923 (Ap.)

Zeitschr. Bot.

Zimmermann, Walter
Zytologische untersuchungen an Sphacelaria fusca Ag. Ein beitrag zur entwicklungsphysiologie der zelle Zeitschr. Bot. 15: 113-175 illus. 1923
Literatur: p. 173-174.

Amer. Journ. Bot.

Showalter, A. M.
Studies in the morphology of Riccardia pinguis. Amer. Journ. Bot. 10: 148-166 illus., pl. xvi-xix Mr. 1923. no.3
Literature cited: p. 163-164.

Weimer, J. L., and Harter, L.L.
Influence of temperature on the pectinase production of different species of Rhizopus. Amer. Journ. Bot. 10: 127-132. Mr. 1923. no.3.
Literature cited: p. 132.

Exper. Stat. Publ.

Hendrickson, A.H.
Further experiments in plum pollination Calif. Agr. Exp. Stat. Bull. 352: 247-266 illus. D.1922.

Barmum, C.C.
The control of the wild morning glory Calif. Agr. Exp. Stat. Circ. 256 22 p. illus. Ja. 1923.
Literature cited: p. 22.

Burger, O. F., DeBusk, E.F., and Briggs, W.R.
Preliminary report on controlling melanose and preparing Bordeaux-oil Florida Agr. Exp. Stat. Bull. 167 140 p. illus. Ja. 1923.

Sax, Karl
Sterility relationships in Maine apple varieties. Maine Agr. Exp. Stat. Bull. 307: 61-75. 1922.
Literature cited: p. 76.
Reprinted from Ann. Rep. Maine Agr. Exp.Stat. 1922; Papers Biol. Labor. no. 152.

Roberts, R.H.
Effect of defoliation upon blossom bud formation Res. Bull. Wisc. Agr. Exp. Stat. 56 15 p. illus. Ja. 1923.
American plum species.

NEW BOOKS

Czapek, Fiedrich
Biochemie der pflanzen 3. aufl. v.1, Jena, 1922.

Denaiffe, Henri
Les blés cultivées 2.ed. revue et augm. Paris, [1922]
I. La stachymétrie...2 Etude morphologique de l'épi
Colle & Sirodot joint authors.

Grafe, Viktor
Chemie der pflanzenzelle Berlin, Gebr. Borntraeger, 1922.

Miyabe, Kingo & Kudo, Yushan
Icones of the essential forest trees of Hokkaido fasc. VII-IX May 1922-F. 1923.

Petersen, N.F.
Flora of Nebraska. 3d ed. Lincoln, Neb. [1923]

Stuart, William
The potato Philadelphia, Lippincott Co., c.1923.
Potato diseases and their control: p. 247-289.
Origin and early history of potato: p. 369-383.

Uphof, Johannes C Th
Vegetationsbilder aus Kalifornien In Karsten, G. Vegetationsbilder 14. r., 7. h. pl. 37-42 1922.

Willis, J.C.
Age and area...with chapters by H. de Vries, K.B. Guppy, Mrs. E.M. Reid, James Small, Cambridge, Univ. Press, 1922.

Library, Bureau of Plant Industry
Current Author Entries, 1923, List 107,
Indexed Apr.9-21, 1923.

Acta Soc. Bot. Polon.

Kociejowski, Wladyslaw
Nowa forma rodzaju Alectorolophus i jej biologiczne przystosowania. (Une nouvelle forme du genre Alectorolophus et son adaptation biologique.)
Acta Soc. Bot. Polon. 1: 43-46. illus. pl. i. 1923. no.1.
Bibliographical foot-notes.

Pawlowski, Bogumil
Zapiski florystyczne z Tatr. (Floristische notizen aus der Tatra). Acta Soc. Bot. Polon. 1: 1-7. 1923. no.1.
Bibliographical foot-notes.

Siemaszke, Wincenty
Fungi caucasici novi vel minus cogniti. II. Diagneses specierum novarum ex Abchazia adzariaque provenientium. Acta Soc. Bot. Polon. 1: 19-28. illus. 1923. no.1.
Bibliographical foot-notes.
No. I publ. in Bull. Mus. Caucase XII, 1919, Tiflis.

Symkiewicz, Dezydery
Sur l'importance du déficit hygrométrique pour la phytogéographie écologique. Acta Soc. Bot. Polon. 1: 8-18. 1923. no.1.

Bibliographical foot-notes.

Wlodek, Jan
Próba ilościowege określenie neiktórych własności komórki palisadowej liścia koniczyny. (Quelques calculs concernant certaines propriétés de la cellule du tissu en palissade de la feuille de trèfle). Acta Soc. Bot. Polon. 1: 47-52. 1923. no.1
Bibliographical foot-note.

Wóyciki, Zygmunt
Quelques remarques à propos de mes recherches sur la formation du pollen chez les Malvacées.
Acta Soc. Bot. Polon. 1: 29-42 1923. no.1.
Bibliographical foot-notes.

Agric. Colon.

Manetti, Carlo
Per una maggiore valorizzazione delle piante da concia. Agric. Colon. 17: 90-96. Mr.1923. no. 3.

Amer. Journ. Pharm.

LaWall, Charles H.
The romance of spices. Amer. Journ. Pharm. 95: 193-223. illus. Ap. 1923. no. 4.

Biochem. Zeitschr.

Eisler, M. & Portheim, L.
Ueber die bildung von sauerstoff aus kohlendioxyd durch eiweiss-chlorophyllösungen. Biochem. Zeitschr. 135: 293-298. F. 1923. no. 1/3.
Bibliographical foot-notes.

Franzen, Hartwig, & Keyssner, Ernst
Ueber die chemischen bestandteile grüner pflanzen XXIII. mitteilungen. Kritisches über vorkommen der äpfelsäure in den pflanzen. Biochem. Zeitschr. 135: 184-216. F. 1923. no. 1/3.

Iwanoff, Nicolaus N.
Ueber die emwandlung des harnstoffs beim reifen der fruchtkörper von Lycoperdon. Biochem. Zeitschr. 135: 1-20. F. 1923. no. 1/3.
Bibliographical foot-notes.

Biochem. Zeitschr. (cont.)
Palladin, Vladimir & Manskaja, Frl. S.
Die entstehung der peroxydase in den pflanzen. Die bedingungen, welche die abspaltung der peroxydase von den protoplasten und ihr übergang in den zellsaft hervorrufen. Biochem. Zeitschr. 135: 142-157. F. 1923. no. 1/3.
Bibliographical foot-notes.

Bol. Agr. Bahia
Bondar, Gregorio
Insectos damninhos e molestias do coqueiro (cocos nucifero) no Brasil. Bol. Agr. Bahia 1921, p. 2-48. illus. O.-D. 1921. no. 10-12.
Molestias cryptogamicas, p. 29-48.

Granato, Lourenço
As molestias do fumo. Bol. Agr. Bahia. 1921, p. 92-93. O.-D. 1921. no. 10-12.

Bol. Min. Agr. Nac. Arg.
Baez, Juan Romualdo
Breve noticia sobre la vegetación de los departamentos Tarana y Diamante (Entre Rios) Bol. Min. Agr. Argentine 27: 465-475. 1922. no. 3.

Girola, Carlos D.
Enfermedades del tomate en Argentina Bol. Min. Agr. Argentine 27: 503-505 illus. 1922. no. 3.
Podredumbre apical (Fusarium sp.); antracnosis (Colletotrichum phomoides Sacc.) y Peronospora (Phytophthora infestans De Bary)

Bot. Mem. Oxford
Church, A. H.
Introduction to the plant life of the Oxford district I General review Bot. Mem. Oxford no. 13. 103 p. plates 1922.

Bot. Not.
Du Rietz, G. Einar
Porphyra linearis Grev. vid Norges västkust. Bot. Not. 1923 p. 141-148. no. 2.
Literaturverzeichnis: p. 148.

Gertz, Otto
Laboratorietekniska och mikrokemiska notiser 10. Om användningen av molybdenblätt i botanisk mikroteknil Bot. Not. 1923 p. 65-98 no. 2.
Litteratur: p. 96-98.
German resumé: p. 93-96.

Samuelsson, Gunnar.
Om våra Nymphaea-arters utbredning. Bot. Not. 1923 p. 99-110. no. 2.

Bryologist
Bailey, J. W.
The passing of our forest mosses. Bryologist, 26: 20-22 pl. iii Mr. 1923. no. 2.

Plitt, C.C.
A new species of Crocynia Bryologist 26: 16-19. illus. Mr. 1923. no. 2.
Bibliographical foot-notes.

Bull. Illinois Nat. Hist. Surv.
Shelford, V. E.
The dtermination of hydrogen ion concentration in connection with fresh-water biological studies. Bull. Illinois Nat. Hist. Surv. 14: 377-395. 1923.
Bibliography: p. 394-395.

Bull. Imp. Sericult. Exp. Stat. Japan.
Koidzumi, Geniti
Synopsis specierum generia mori. Bull.Imp. Sericult. Exp. Stat. Japan 2: 1-45 xi pl. F.1923. no. 1.

Bull. Mass. Hort. Soc.
Wilson, E. H.
Acacias Bull. Mass. Hort. Soc. 11: 57-61 Ap. 1923.

Bull. Torr. Club
Gleason, H. A.
Windsorina, a new genus of Rapateaceae. Bull. Torr. Bot. Club 50: 147-152 pl. 7. Ap. 1923.
W. guianonsis.

O'Neal, C. E.
A study of the embryo sac development and accompanying phenomena in Oenothera rubrinervis Bull. Torr. Club 50: 133-146 illus., pl. 5-6 Ap. 1923. no.4.
Literature cited: p. 144-145.

Il Coltiv.
Belsani, E.
Il male dell'inchiostro nei castagneti. Il Coltiv. 69: 278-281. Mr. 30, 1923. no. 9.

Francanzani, G. A.
La fasciazione nelle spighe del mais. Il Coltiv. 69: 282-286. illus. Mr.30,1923. no. 9.

Compt. Rend. Acad. Agr. France
Perrot, Emile
La culture des plantes médicinales et aromatiques en France et dans le colonies Compt. Rend. Acad. Agr. France 9: 284-289. Mr. 1923. no. 9.

Compt. Rend. Acad. Sci. Paris
Blaringhem, Louis
Nouveaux faits relatifs aux hybrides de blés et d'aegilops Compt. Rend. Acad. Sci. Paris. 176: 852-854 Mr. 1923. no. 12.

Colin, Henri & Trouard-Riolle, Y.
Dissociation de l'hybride: orge noire à barbes lisses x orge Albert Compt. Rend. Acad. Sci. Paris 176: 854-856. Mr. 1923. no. 12.

Dangeard, Pierre
La vacuome dans les grains de pollen des gymnospermes Compt. Rend. Acad. Sci. Paris 176: 915-917. illus. Mr. 1923. no. 13.

Daniel, Lucien
Régénérescence de la pomme de terre par la greffe Compt. Rend. Acad. Sci. Paris 176: 857-858 Mr. 1923. no. 12.

Compt. Rend. Labor. Carlsberg.
Olsen, Carsten
Studies on the hydrogen ion concentration of the soil and its significance to the vegetation, especially to the natural distribution of plants Compt. Rend. Labor. Carlsberg 15: 1-166 1923. no. 1.
Literature: p. 153-164.

Compt. Rend. Soc. Biol. Paris
Emberger, Louis
Remarque sur la cytologie des Sélaginelles.
Compt. Rend. Soc. Biol. Paris 88: 225-226.
Ja. 27, 1923. no. 3.

Emberger, Louis
Sur le système vacuolaire des Sélaginelles.
Compt. Rend. Soc. Biol. Paris 88: 218-219.
illus. Ja. 27, 1923. no. 3.

Country Life. London.
Bean, W. J.
Notes on the Daphnes Country Life 53: 458.
illus. Ap. 1923. no. 1370.

Dykes, W. R.
Bublous irises II. Country Life 53: 431-
432 illus. Mr. 31, 1923. no. 1369.

Floralia
Schenk, P. J.
Die iepenziekte I-V Floralia 44: 8-9,
60-61, 137-139, 170-172, 186-187. illus. 1923.
nos. 2,5,10,12,13.

Vink, A. de
De cultuur van Ilex Floralia 44:
105-107 illus. Ap. 6, 1923.

Gard. Chron.
Breeze, M.S.G.
Degeneration in potato flowers and causes of
sterility Gard. Chron. III, 73: 176, 188.
Mr. 31, Ap. 7, 1923. no. 1892-3.
Paper before Agr. Sect. Brit. Assoc.

Johnson, A. T.
Some California shrubs Gard. Chron. III, 73:
174-175 Mr. 31, 1923. no. 1892.

Roberts, William
The orchard and the garden, 1596. Gard.
Chron. III, 73: 106. illus. F. 24, 1923.

Ward, F. K.
Mr. Kingdon Ward's seventh expedition in Asia.
Xi-XII Gard. Chron. III, 73: 162, 186-187
Mr. 24, Ap. 7, 1923.

Hawaiian For. & Agr.
Higgins, J. E.
The lanzon Hawaiian For. & Agr. 19: 269-
270 D. 1922.
Lansium domesticum.

Hoppe-Seyl. Zeitschr. Phys. Chem.
Kiessel, Alexander
Mannit aus Orobanche cumana. Hoppe-Seyl.
Zeitschr. Phys. Chem. 126: 257-260. Mr. 1923.
no. 4/6.
Bibliographical foot-notes.

Jahrb. Wiss. Bot.
Bode, Hans Robert
Beiträge zur dynamik der wassebewegung in den
gefässpflanzen. Jahrb. Wiss. Bot. Pringsh. 62:
92-127 1923. no. 1.
Zitierte literatur: p. 126-127.

Jahrb. Wiss. Bot. (cont.)

Bachmann, E.
Ueber das verhalten von pflanzenzellen gegenüber anilinfarbstoffen. Jahrb. Wiss. Bot. Pringsh. 62: 65-91 1923. no.1.
Literatur: p. 91.

Bachmann, E.
Untersuchungen über den wasserhaushalt einiger felsenflechten. Jahrb. Wiss. Bot. Pringsh. 62: 20-64. 1923. no. 1.
Bibliographical foot-notes.

Maxiiew, N. A.
Physiologisch-ökologische untersuchungen über die dürreresistenz der xerophyten Jahrb. Wiss. Bot. Pringsh. 62: 128-144. 1923. no. 1.
Zitierte literatur: p. 143-144.

Pisek, Arthur
Chromosomenverhältnisse, reduktionsteilung und revision der keiientwicklung der mistel (Fiscum album) Jahrb. Wiss. Bot. Pringsh. 62: 1-19. illus. 1923.
Bibliographical foot-notes.

Journ. Agr. Res.

Gaines, E. F.
Genetics of bunt resistance in wheat. Journ.Agr. Res. 23: 445-479 3 pl. F.10,1923 (Ap.12) no. 6.
Literature cited: p. 476-479.

Johnson, James
A bacterial leafspot of tobacco Journ. Agr. Res. 23: 481-493 4 pl. F.10,1923 (Ap.12).
Literature cited: p. 492-493.
Bacterium melleum n.sp.

King, C. J.
Cotton rootrot in Arizona Journ. Agr. Res. 23: 525-527 F.17,1923 (Ap.18)

Löhnis, Felix & Smith, N. R.
Studies upon the life cycles of the bacteria II Life history of Azotobacter Journ. Agr. Res. 23: 401-432 9 pl. F.10,1923 (Ap.12) no. 6.
Literature cited: p. 430-432.

McHargue, J. S.
Iron and manganese content of certain species of seeds Journ. Agr. Res. 23: 395-399 F.10,1923 (Ap.12) no.6.

Manns, T.F. & Adams, J.F.
Parasitic fungi internal of seed corn Journ. Agr. Res. 23: 495-524 13 pl. F.17,1923 (Ap.18) no. 7.
Literature cited: p. 523-524.

Skinner, J. J. & Allison, F. E.
Influence of fertilizers containing borax on the growth and fruiting of cotton Journ. Agr. Res. 23: 433-443 4 pl. F. 10,1923 (Ap.12) no. 6.
Literature cited: p. 443.

Journ. Bd. Agr. Brit. Guiana

Hohenkerk, L. S.
[Commonest trees] Journ. Bd.Agr. Brit. Guiana. 16: 21-22 Ja. 1923.
App. to his A review of the timber industry of British Guiana.

Journ. Bot.

Dallman, Arthur A.
The Welsh Salusburys Journ. Bot. 61: 116-118. Ap. 1923 no. 724.
William Salusbury (1520?-1600?); Sir John Salusbury (1567-1612)

Darbishire, Otto Vernon
Cryptogams from the Antarctic Journ. Bot. 61: 105-107. illus. Ap. 1923. no. 724.
Buellia permigra, n.sp.

Jackson, B. D.
The name Forstera Linn. Journ. Bot. 61: 108-109. Ap. 1923. no. 724.

Moore, S. LeM.
A new genus of Lauraceae from New Guinea. Journ. Bot. 61: 109. Ap. 1923. no. 724.
Dryadodaphne celastroides.

Rendle, A. B.
George Clifford's herbarium and the "Hortus Cliffortianus" Journ. Bot. 61: 114-116 Ap. 1923. no. 724.

Salmon, C.E.
Notes on Statice XV. Statice vestita sp. n. Journ. Bot. 61: 97-99 pl. 567 Ap. 1923. no. 724.

Journ. Dept. Agr. Victoria

Davey, H. W.
Weeds and their eradication. Journ. Dept. Agr. Victoria 21: 105-109 illus. F. 1923. no. 2.

Journ. For.

Weir, J. R.
The effect of broadcast burning of sale areas on the growth of cull-producing fungi Journ. For. 21: 183-184 F. 1923.

Journ. Gen. Physiol.

Ray, G. B.
The effects of chloroform on the respiration of dead and living tissue Journ. Gen. Physiol. 5: 469-477 Mr. 1923. no. 4.
Comparative studies on respiration XXIV.

Journ. Soc. Nat. Hort. France

Gérôme, Joseph
Le noms français des plantes cultivées. Inconvénient de leur emploi dans un sens impropre Journ. Soc. Nat. Hort. IV, 24: 77-79 F. 1923.
Tournesol, coloquinte, coloquinelle.

Malayan Agr. Journ.

South, F. W.
Report on the work of the Inspection staff, July to Sept. 1922 Malay. Agr. Journ. 10: 264-268 1922 no. 10/12.

Mem. & Rev. Soc. Cient. Ant. Alz.

Ochoterena, Isaac
El Echinocactus violaciflorus Quehl es solo una variedad del E. multicostatus Hild.? Mem. y Rev. Soc. Cient. Ant. Alz. 40: 601-605 illus. O./D. 1922.

Month. Bull. Dept. Agr. Calif.

Milbrath, D. G.
Tomato culture and diseases in California Month. Bull. Dept. Agr. Calif. 12: 34-38 illus. Ja./F. 1923 no. 1/2.

Nachrichtenbl. Deut. Pflanzenschutzd.
Brunnche, W.
Wie kann unter gegenwärtigen verhältnissen das interesse ier praxis für den pflanzenschutz wachgehalten werden? Nachr. Deut. Pflanzensch. 3: 2-5 Ja. 1923. no. 1.

Gleisberg, Walther
Plasmodiophora brassicae Woron.: zur auswertung von kruziferen-infektionsreihen Nachrichtenbl. Deut. Pflanzensch. 3: 10-12 F. 1923. no. 2.

Verbreitung des kartoffelkrebses im Deutschen reich auf grund der Biologischen reichsanstalt zugegangenen meldungen nach dem stande vom 1. Dezember 1922 Nachr. Deut. Pflanzensch. 3: 12-14 illus. (map) F. 1923. no. 2.

Nat. Hist.
Lutz, F. E.
Flowers and their insect visitors; some unsolved problems of their relationship. Natural History. 23: 125-134 illus. Mr.-Ap. 1923. no. 2.

Pemberton, C. C.
Natural root graft and the overgrowth of stumps of conifers Natural History 23: 182-191. illus. Mr.-Ap. 1923. no. 2.

Naturwissenschaften
Vries, Hugo de
Die statistische methode in der pflanzengeographie Natuwrissensch. 11: 189-194. Mr. 16, 1923. no. 11.

Naturw. Umschau Chem.-Zeit.
Weigold, H.
Die natur Westchinas and Osttibets Naturw. Umsch. Chem. Zeit. 12: 17-22 Mr./Ap. 1923. no. 3/4.

Ohio Journ. Sci.
Schaffner, J. H.
Additions to the catalog of Ohio vascular plants for 1922 Ohio Journ. Sci. 23: 107-114 Mr./Ap. 1923. no. 2.

Parfum. Mod.
Groud, Ch.
Cannelles et cannelliers Parfum. Mod. 16: 33-35 illus. F. 1923. no. 2.

Plant. Chron.
Thompson, A.
Mouldy rot: some suggestions for treatment Plant. Chron. 18: 153-157 Mr. 17, 1923.

Proc. Nat. Acad. Sci.
Belling, John & Blakeslee, A. F.
The reduction division in haploid, diploid, triploid and tetraploid daturas Proc. Nat. Acad. Sci. 9: 106-111 illus. Ap. 1923. no. 4.
Bibliography: p. 111.

Philipp. Agr.
Juliano, J. B.
Additional cyanophoric plants of the Makiling region Philipp. Agr. 11: 231-232 F.1923 no. 7.

Mendiola, Nemesio B. & Capinpin, J. M.
Breeding ornamental hibiscus Philipp. Agr. 11: 217-230 pl. i-ii F. 1923 no. 7.
Bibliography: p. 228.

Philipp. Agr. (cont.)
Peralta y Leaño, Fernande de. & Estioke, R. P.
A tentative study of the effect of root excretion of common paddy weeds upon crop production of lowland rice. Philipp. Agr. 11: 205-216. illus., tables. F. 1923. no. 7.
Bibliography: p. 211.

Rev. Industr. y Agr. Tucumán
Fawcett, G. L.
Enfermedades de la caña de azúcar en Tucumán Rev. Ind. y Agr. Tucumán 13: 5-46 illus. Je./Jl. 1923.
Acrostalagamus glaucus n.sp., A. sacchari n. sp.

Rhodora
Blake, S. F.
Notes on the North American species of Limonium Rhodora 25: 55-60 Ap. 1923. no. 292.

Fernald, M. L.
Nomenclatorial transfers in Mariscus Rhodora 25: 49-54 Ap. 1923. no. 292.

Hunnewell, F. W.
Salix serissiia on Long's Peak Rhodora 25: 67-68. Ap. 1923. no. 292.

Jenks, C. W.
Lepachys columnaris in eastern Massachusetts Rhodora 25: 68 Ap. 1923. no. 292.

New England Botanical club
Reports on the flora of the Boston district XL Rhodora 25: 60-67 Ap. 1923. no. 292.

Riv. Biol.
Campbell, Carlos
I frumenti della valle del Liri e Garigliano. Riv. Biol. 5: 1-8 illus. Ja.-F. 1923 no. 1.
Triticum monococcum.
Bibliographical foot-notes.

Schweiz. Apoth. Zeit.
Guyot, Henry
Une nouvelle parenté entre les Polycarpicées et les Rhoeadales révélée par des études chimiques et pharmacodynamiques. Schweiz. Apoth. Zeit. 61: 146-150. Mr. 22, 1923. no. 12.
Bibliographie: p. 150.

Science
Jeffrey, E. C.
Professor Lloyd and vegetable crystals Science 57: 442-444 Ap. 13, 1923. no. 1476.

Sleeping flowers and a new anesthetic In Science News Science 57 suppl. p. x Ap. 13, 1923. no. 1476.

Sprayed cottonwoods shed no cotton In Science News Science 57 (Suppl.): x,xii Ap.13, 1923. no. 1476.

Sitzungsb. Preuss. Akad. Wiss.
Correns, Carl
Vererbungsversuche mit buntblättrigen sippen. VI-VII Sitzungsb. Preuss. Akad. Wiss. 1922 p. 460-486 illus. no. 32/34.
Literaturverzeichnis: p. 486.
VI. Einige neue fälle von albomaculatio. VII. Ueber die peraurea-sippe der Urtica urens.

Sitzungsb. Preuss. Akad. Wiss. (cont.)
Haberlandt, Gottlieb
Die vorstufen und ursachen der adventivembryonie Sitzungsb. Preuss. Akad. Wiss. 1922 p. 386-406. pl. i. no. 25/31.
Literaturverzeichnis: p. 405.

Tidsskr. Planteavl
Gram, Ernst
Forsøg med avlsstedets indflydelse paa kartoffelens bladrullesyge Tidsskr. f. Planteavl. 28: 769-806. illus. 1922. no. 5.
Litteratur: p. 803-805.
English summary (Potato leaf-roll influenced by the origin of the tubers): p. 805-806.

Torreya
Burnham, S. H. & Latham, R. A.
The flora of the town of Southold, Long Island. Third supplementary list, pt. 2. Torreya 23: 25-31 Mr.-Ap. 1923. no. 2.

Denslow, H. McK.
Passaic county, N.J. Torreya 23: 31-33. Mr.-Ap. 1923.

Small, J. K.
The Austrian field-cress again Torreya 23: 23-25 Mr.-Ap. 1923. no.2.

U. S. Dept. Agr. Bull.
Cook, F. C.
Influence of copper sprays on the yield and composition of Irish potato tubers U.S. Dept. Agr. Bull. 1146 26 p. Ap. 1923.
Literature cited: p. 24-26.

U.S. Dept. Agr. Circ.
Thompson, N. F.
Kill the common barberry with chemicals U.S. Dept. Agr. Circ. 268 4 p. illus. Mr. 1923.

Vict. Nat.
Barnard, F. G. A.
Polyporus mylittae Vict. Nat. 39: 159-160 My. 1923. no. 11.

Weekbl. Bloembollencult.
Krelage, E. H. & Slogteren, E. van
Verslag over een bezoek aan zuid-fransche narcissenculturen in Februari 1923. Weekbl. Bloembollencult. 33: 322-324, 328, 331. Mr.20, 23, 1923. no. 73-74.

Wiener Landw. Zeit.
Dreger, A.
Praktische erfahrungen eines züchters mit der bekämpfung von pflanzenkrankheiten Wiener Landw. Zeit. 73: 102-104. Mr. 31, 1923. no. 25/26.

Zeitschr. Ges. Erdk. Berlin
Knoche, Walter
Ueber die nordliche waldgrenze in Chile Zeitschr. Ges. Erdk. Berlin 1923 p. 41-45 no. 1/2.

Exper. Stat. Publ.
Biolletti, F. T.
Black measles, water berries, and related vine troubles Calif. Agr. Exp. Stat. Bull. 358. p. 509-524 illus. Ap. 1923.

Clinton, G. P.
Botanical department In the Report of the director 1921/22 Connecticut Agr. Exp. Stat. Bull. 243: 169-170 N. 1922.

Exper. Stat. Publ.

Goss, R. W.

Relation of environment and other factors to potato wilt caused by Fusarium oxysporum Nebraska Agr. Exp. Stat. Res. Bull. 23 84 p. Mr. 1923.

Literature cited: p. 84.

Young, W. J.

Waterglass -- a new wound dressing for trees Month. Bull. Ohio Agr. Exp. Stat. 8: 13-16 illus. Ja./F. 1923. no. 1/2.

New Books

Blister rust conference, 8th, Boston, 1922.

Report of proceedsing and recommendations 1923.

Mimeograph.

Spoehr, H. A. & McGee, J.M.

Studies in plant respiration and photosynthesis. 1923 (Carnegie Inst. Publ. 325)

Library, Bureau of Plant Industry,
Current Author Entries. 1923, List 108.
Indexed Apr. 23-May 5, 1923.

Amer. Food Journ.
Taylor, W. A.
How Bureau of plant industry helps canners. A review of the work which has been done by Government to make work of fruit preservation simpler. Amer. Food Journ. 18: 69-72. F. 1923.

Amer. For.
Sudworth, G. B.
The age of Monterey cypress. Amer. For. 29: 270-271. illus. My. 1923. no. 353.

Amer. Journ. Bot.
Addoms, R. M.
The effect of the hydrogen ion on the protoplasm of the root hairs of wheat. Amer. Journ. Bot. 10: 211-220. pl. xxiii. Ap. 1923. no. 4.
Literature cited: p. 219-220.

Campbell, D. H.
Australasian botanical notes II. Victoria, South Australia, and West Australia. Amer. Journ. Bot. 10: 173-186. pl. xxi-xxii. Ap. 1923. no. 4.
Bibliographical foot-notes.

Gleason, H. A.
Evolution and geographical distribution of the genus Vernonia in North America. Amer. Journ. Bot. 10: 187-202. Ap. 1923. no. 4.

Showalter, A. M.
The chromosomes of Riccardia pinguis. Amer. Journ. Bot. 10: 170-172. pl. xx. Ap. 1923. no. 4.
Literature cited: p. 171.

Tottingham, W. E. & Rankin, E. J.
The availability of iron in nutrient solutions for wheat. Amer. Journ. Bot. 10: 203-210. illus. Ap. 1923. no. 4.
Bibliography: p. 210.

Weiler, J. L. and Harter, L.L.
Pectinase in the spores of Rhizopus. Amer. Journ. Bot. 10: 167-169. Ap. 1923. no. 4.

Ann. Ecole Nat. Agr. Grignon.
Crepin, Ch
Sur un hybride naturel entre Avena fatua et Avena sativa à glumelles jaunes Ann. Ecole Nat. Agr. Grignon. 7: 143-145. illus. 1921.

Ducomet, Vital
Semis de pomme de terre. Ann. Ecole Nat. Agr. Grignon. 7: 114-142. 1921.

Ann. Rep. Arizona Comm. Agr. & Hort.
George, D. C.
Notes on plant diseases in Arizona, 1922. Ann. Rep. Arizona Comm. Agr. & Hort. 14: 98-109. illus. 1923.

Beih. Bot. Centralbl.
Casado de la Fuente, Carlos
Ueber das reserve-einweiss in den zellen von Paeonia. Beih. Bot. Centralbl. Abt. 1. 39: 352-354. pl. xix. Ja. 1923.

Cholodnyj, N.
Ueber den einflutz der metallionen auf den geotropismus der wurzeln. Beih. Bot. Centralbl. Abt. 1. 39: 239-256. Ja. 1923. no. 3.
Bibliographical foot-note.

Beih. Bot. Centralbl. (cont.)

Cholodnyj, N.
Zur frage über die beeinflussung des protoplasmas durch mono- und bivalente metallionen. Beih. Bot. Centralbl. Abt. 1. 39: 231-238. Ja. 1923. no. 3.
Bibliographical foot-notes.

Funk, Georg
Ueber bewegungen der kolonien von Oscillatoria amphibia Ag. Beiträge zu einer soziologischen bewegungsphysiologie pflanzlicher mikroorganismen. Beih. Bot. Centralbl. Abt. 1. 39: 257-320. illus., pl. xvii-xviii. Ja. 1923. no. 3.
Literatur: p. 318-320.

Müller, Wilhelm
Ueber die abhängigkeit der kalkoxalatbildung in der pflanze von den ernährungsbedingungen. Beih. Bot. Centralbl. Abt. 1. 39: 321-351 Ja. 1923. no. 3.
Literatur-verzeichnis: p. 350-351.

Glück, Hugo
Systematische zusammenstellung der standortsformen von wasser- und sumpfgewächsen. Teil I. Beih. Bot. Centralbl. Abt. 2. 39: 289-398. Ja. 1923. no. 3.
Zitierte literatur: p. 395-396.

Pfeiffer, H.
Vergleichende anatomie der blätter der Lagenocarpus -arten. Beih. Bot. Centralbl. Abt. 2. 39: 436-445. pl. vi. Ja. 1923. no. 3.
Zitierte literatur: p. 444-445.

Ber. Deut. Pharm. Ges.

Zimmermann, Walther
Ueber die entwicklung von tuber salep. Ber. Deut. Pharm. Ges. 33: 10-12. Ja. 1923. no. 1.

Bol. Agr. São Paulo

Averna Sacca, Rosario
Algumas das molestias cryptogamicas do tabaco (Nicotiana tabacum) Bol. Agr. São Paulo 23: 201-268. illus. Jl./Ag. 1922. no. 7/8.

Gaz.

Haupt, A. W.
Cell structure and cell division in the Cyanophyceae. Bot. Gaz. 75: 170-190. pl. vii. Ap. 1923. no. 2.
Literature cited: p. 189-190.

La Rue, C. D.
Simple weighing device for large-scale transpiration experiments. Bot. Gaz. 75: 209-210. illus. Ap. 1923. no. 2.

Martin, G. W.
Food of the oyster. Bot. Gaz. 75: 143-169. illus. Ap. 1923. no. 2.
Literature cited: p. 168-169.

Reed, Ernest
Hypothesis of formative stuffs as applied to Bryophyllum calycinum. Bot. Gaz. 75: 113-142. illus. Ap. 1923. no. 2.
Literature cited: p. 142.

Smith, H. W.
Life history of Cedrus atlantica. Bot. Gaz. 75: 203-208. pl. xi. Ap. 1923. no. 2.
Literature cited: p. 208.

Bot. Gaz. (cont.)

Wylie, R. B.
Sperms of Vallisneria spiralis. Bot. Gaz. 75: 191-202. pl. viii-x. Ap. 1923. no. 2.
Literature cited: p. 201.

Bot. Jahrb. Engl.

Almquist, Ernst
Linné und das natürliche pflanzensystem. Bot. Jahrb. Engler 58 (Beibl. 128): 1-16. D. 1922. no. 1.
Literaturverzeichnis: p. 13-14.

Keller, Robert
Ueber neue arten der gattung Hypericum. Bot. Jahrb. 58: 190-192. F. 1923. no. 2.

Lauterbach, C.
Beiträge zur flora von Papuasien IX. Bot. Jahrb. Engler 58: 1-96, 97-181. illus. D. 1922-F. 1923. no. 1-2.
80. Die guttiferen Papuasiens. Von. C. Lauterbach. 81. Neue orchidaceen Papuasiens. Von. R. Schlechter. 82. Schellenberg, G. Die bisjetzt aus Neu-Guinea bekanntgewordenen Opiliaceae, Olacaceae und Icacinaceae. 83. Schellenberg, G. Die connaraceen Papuasiens.

Reiche, Karl
Die gegetationsverhältnisse in der umgebung der hauptstadt von Mexiko Bot. Jahrb. Engler 58: (Beibl. 129): 1-16, 17-64. illus., fold. map. D. 1922-F. 1923. no. 1, 2.
Wichtigste literatur: p. 1.

Rimbach, August.
Die jahresperiode der pflanzen bei Montevideo Bot. Jahrb. Engler 58: 182-189. F. 1923. no. 2.

Bot. Mag. Tokyo.

Emoto, Yoshikadzu
Ueber die enzyme einiger saprolegnieen. Bot. Mag. Tokyo. 37: (13)-(29) pl. i Ja. 1923. no. 433.
[Literatur]: p. (28)-(29)
In Japanese; English résumé: p. 18-19.
Saprolegnia tokugawana n. sp.

Honda, Masaji
Revisio graminum Japoniae II. Bot. Mag. Tokyo 37: 21-26. F. 1923. no. 434.
Panicum nakaianum n. sp.

Imai, Yoskitaka
Genetic studies in morning glories VII Bot. Mag. Tokyo 37: (37)-(41) F. 1923. no. 434.
In Japanese, English résumé: p. 27.

Miyake, Kiichi and Imai, Y.
Genetic studies in the opium poppy (Papaver somniferum L.)I Bot. Mag. Tokyo 37: (1)-(13) illus. no. 433.
In Japanese, English résumé: p. 18.
I. On the flower color.

Nakai, Tanekoshin
Notulae ad plantas Japoniae et Koreae XXIX Bot. Mag. Tokyo 37: 1-17. Ja. 1923. no. 433.

Bull. Agr. Res. Inst. Pusa.
Charlton, J.
The determination of prussic acid in Burma beans (Phaseolus lunatus) (Preliminary note) Bull. Agr. Res. Inst. Pusa no. 140. 7 p. 1922. Rec'd Ap. 1923.

Hilson, G. R.
Methods of examination of certain characters in cotton. Bull. Agr. Res. Inst. Pusa. no. 138 28 p. pl. i-ii 1922 Rec'd Ap. 1923.
Bibliographical foot-notes.

Bull. Cl. Sci. Acad. R. Belg.
Tits, Désiré
Les excitants de la germination d'un champignon Phycomyces nitens Bull. Cl. Sci. Acad. Roy. Belg. V, 8: 219-227. illus. 1922. no. 5.

Bull. Dept. Agr. Canada.
Davis, M. B.
Modern orchard practices Bull. Dept. Agr. Canada. n.s., 18 45 p. illus. 1923.

Bull. Illinois Nat. Hist. Surv.
Miller, R. B.
First report on a forestry survey of Illinois. Bull. Illinois Nat. Hist. Surv. 14: 285-377. pl. lxxiv-c, map. Mr. 1923. no. 8.
Bibliography: p. 354-356.

Bull. Imp. Coll. Agr. & For. Morioka, Japan.
Matsumato, Takashi
Further studies on physiology of Rhizoctonia solani Kühn. Bull. Imp. Coll. Agr. & For. Morioka, Japan. no. 5. 64 p. illus., pl. Ja. 1923.
Bibliography: p. 61-63.

Bull. Misc. Inform. Kew
Additions to the Index kewensis. Bull. Misc. Inform. Kew 1923 p. 120-128. no. 3.
Condensed list of names proposed by E. H. L. Krause in 2d ed. of Sturm's Flora von Deutschland 1900-06; these names will appear in the 6th suppl.

Hutchinson, John
Primula calciphila. The so-called wild form of Primula sinensis Bull. Misc. Inform. Kew 1923 p. 97-102 illus., pl. i. Mr. 1923 no. 3.
Not a form of P. sinensis but an independent species.

Kew. Royal gardens.
Decades kewenses. Plantarum novarum in herbario Horti regii conservatarum Decas CVII Bull. Misc. Inform. Kew 1923 p. 115-120 no. 3.

Riley, L. A. M.
Contributions to the flora of Sinaloa I. Bull. Misc. Inform. Kew 1923 p. 103-115 Mr. 1923. no. 3.

Bull. Soc. Mycol. France
Bourdot, Hubert & Galzin, A.
Hyménomycètes de France VIII. Hymenochaete. Bull. Soc. Mycol. France 38: 179-185. F. 1923. no. 4.

Brébinaud, P.
Merulius lacrymans et mycélium en général. Bull. Soc. Mycol. France 38: 211-216. F. 1923. no. 4.

Bull. Soc. Mycol. France (cont.)

Chauvin, E.
Amanita citrina Sch. (Mappa Fr.) et sa variété alba Price ne paraissent pas vénéuses. Bull. Soc. Mycol. France 38: 200-206. F. 1923. no. 4.
Bibliographical foot-notes.

Dumée, Paul
Notes de mycologie pratique. Bull. Soc. Mycol. France 38:188-199 pl. xi F.1923. no. 4.

Jaczewski, Arthur de
Matériaux pour la flore mycologique de la Sibérie occidentale. Bull. Soc. Mycol. France 38: 207-210. F. 1923. no. 4.

Patouillard, Narcisse
Une anomalie cantharelloïde de Clitocybe dealbata Fr. Bull. Soc. Mycol. France 38: 186-187. illus. F. 1923. no.4.

Bull. So. Calif. Acad. Sci.

Davidson, Anstruther
New plants from S. California Bull. So.Calif. Acad. Sci. 22: 5-6. illus. Mr. 1923. no.1
Aster standleyi n.sp., Dudleya parva Rose & Davidson n.sp.

Munz, P.A.
Southern California plant notes I- Bull.So. Calif. Acad. Sci. 22: 7-11. Mr. 1923. no. 1.

Parish, S. B.
Cleomella obtusifolia, Torr. & Frem. Bull. So. Calif. Acad. Sci. 22: 12-14 Mr. 1923. no. 1.
Bibliographical foot-notes.

Chem. & Industr.

Jordan, L. A.
The growth of plants Chem. & Industry. 42: 362. Ap. 13, 1923. no.15.

Compt. Rend. Acad. Sci. Paris

Daniel, Lucien
Variations des parfums sous l'influence du greffage Compt. Rend. Acad. Sci. Paris 176: 999-1001 Ap. 1923. no. 15.

Contr. Labor. Bot. Univ. Montreal

Marie-Victorin, Fr.
Esquisse systématique et écologique de la flore dendrologique d'une portion de la rive sud du Saint-Laurent, aux environs de Longueuil, P. Q. Contr. Lab. Bot. Univ. Montreal no. 1. 1922.

Country Life. London.

Wilson, E. H.
Oriental cherries Country Life 53: 511-514. illus. Ap. 14, 1923. no. 1371.

Cultura

Botjes, J. G. O.
Het verouderen van aardappelsoorten in verband met de vegetatieve voortplanting Cultura 35: 65-66 Mr. 1923. no. 414.

Quanjer, H. M. and Hudig, J.
De aardappelschurft met betrekking tot klimat en bodem Cultura 35: 1-12. pl. 9-10. Ja. 1923. no. 412.
Geraadpleegde Literatur: p. 11-12.

Deut. Obstb. Zeit.

Ludwigs, Karl
Bericht über das Auftreten der spitzendürre (Monilia) bei kirschen in der provinz Brandenburg im jahre 1922. Deut. Obstb. Zeit. 69: 91-92. Mr. 23, 1923. no. 12.

Facts about Sugar
Earle, F. S.
Sugar cane root disease. A neglected enemy of cane and ways of controlling it. Facts about Sugar 16: 314 Ap. 21, 1923. no.16.

Florida Grow.
Rolfs, P. H.
Brazilian fruits and the centennial. Florida Grow. 27: 4-5 illus. Ap. 21, 1923. no.164.

Gard. Mag.
Wilson, E. H.
Travel tales of a plant collector V. Farewell to Australia. Gard. Mag. 37: 186-189. illus. My. 1923. no. 3.

Gard. Chron.
Brotherston, R. P.
Puzzles in plant names Gard. Chron.III,73: 201. Ap. 14, 1923. no. 1894.

Savage, S.
Early botanic painters no. 4 John White (1585-93) Gard. Chron. III,73: 200-201. illus. Ap. 14, 1923. no. 1894.

Hereditas
Akerman, Ake
Beiträge zur kenntnis der speltoidmutationen des weizens I Hereditas 4: 111-124 illus. 1923. no.1/2.
I. Untersuchungen über eine speltiodform aus schwedischen sammetweizen.

Dahlgren, K. V. O.
Geranium bohemicum L. x G. bohemicum deprehensum Erik Ahnq., ein grünweiss-marmorierter bastard Hereditas 4: 239-250 illus. 1923. no. 1/2.
Zitierte literatur: p. 250.
English summary: p. 249-250.

Hallqvist, Carl
Gametenelimination bei der spaltung einer zwerghaften und klorophylldefekten gerstensippe Hereditas 4: 191-205. illus. 1923. no. 1/2.
Zitierte literatur: p. 205.

Hammarlund, Carl
Ueber einen fall von koppelung und freie kombination bei erbsen Hereditas 4: 235-238. 1923. no. 1/2.

Heribert-Nilsson, Nils
Zertations versuche mit durchtrennung des griffels bei Oenothera lamarckiana Hereditas 4: 177-190. 1923. no. 1/2.
Zitierte literatur: p. 189-190.

Johannsen, W.
Some remarks about units in heredity Hereditas 4: 133-141 1923. no. 1/2.

Kajanus, Birger
Ueber ährchenabstand und ährchenzahl bei nachkommenscaften von speltoid-heterozygoten Hereditas 4: 10-16 1923 no. 1/2.
Zitierte literatur: p. 16.
English summary: p. 16.

Kristofferson, K. B.
Monohybrid segration in Malva species Hereditas 4: 44-64 illus. 1923 no. 1/2.
Literature cited: p. 54.

Hereditas (cont.)

Lindhard, E.
Fortgesetze untersuchungen über speltoidmutationen. Begrannungskomplikationen bei compactum-
8 heterozygoten Hereditas 4: 206-220 1923.
no. 1/2.
Zitierte literatur: p. 220.

Ostenfeld, C. H.
Genetic studies in Polemonium coeruleum
Hereditas 4: 17-26 illus. 1923. no. 1/2.
Literature cited: p. 25-26.

Rasmusson, Hans
Ueber die rübenpfropfungen von edler und einige neue ähliche versuche Hereditas 4: 1-9
1923 no. 1/2.
Zitierte literatur: p. 9.

Tedin, Hans
Eine mutmassliche verlustmutation bei Pisum
Hereditas 4: 33-43 illus. 1923. no. 1/2.
Zitierte literatur: p. 42-43.

Tedin, Olof
The inheritance of pinnatifid leaves in Camelina
Hereditas 4: 59-64. illus. 1923. no. 1/2.

Turesson, Göte
The scope and import of genecology Hereditas
4: 171-176 1923. no. 1/2
Literature cited: p. 176.
Genecology is the study of the species and its hereditary habitat types from an ecological point of view.

Witte, Hernfrid
A probable case of "rogue" in red clover
Hereditas 4: 55-58 illus. 1923. no. 1/2.
Literature cited: p. 58.

Dahlberg, Gunnar
Twins and heredity. Hereditas 4: 27-32.
1923.
Literature cited: p. 32.

Sunkquist, H. and Boman, Nils
Vererbung "weisser abzeichen" bei rindern Hereditas 4: 65-80. illus. 1923.
Zitierte literatur: p. 80.

Bonnier, Gert.
Studies on high and low non-dijunction in Drosophila melanogaster Hereditas 4: 81-110. illus.
1923.
Literature cited: p. 110.

Lundborg, H.
Racial structure of the Finns of the northernmost part of Sweden. Hereditas 4: 125-132. 1923.

Mohr, O. K.
A somatic mutation in the singed locus of the x-chromosome in Drosophila melanogaster Hereditas 4: 142-160 illus. 1923.
Literature cited: p. 159-160.

Federley, Harry
Bilden chromosomenkonjugation, mendelspaltung und fertilität bei speziesbastarden einen dreibund? Hereditas 4: 161-170 1923.
Zitierte literatur: p. 170.

Hereditas (cont.)

Bonnevie, Kristine
Zur analyse der vererbungsfaktoren der papillarmuster Hereditas 4: 221-230. 1923.
Zitierte literatur: p. 230.

Rosen, Daniel
Some remarks about the distance between the genes in Drosophila melanogaster Hereditas 4: 231-234 1923.
Literature cited: p. 234.

Japanese Journ. Bot.

Kasai, Mikio
Kurze mitteilung über den auf der binse parasitisch lebenden pilz Cercosporina juncicola sp.n. Japan. Journ. Bot. 1: 105-110 1923.
Genauere angaben mit 3 tafeln werden gleichzeitig in "Berichten des Ohara Instituts für Landw. Forschungen" bd. II, heft 2 veröffentlicht.

Nagai, Isaburo and Saito, Shuichi
Linked-factors in the soy-bean. Japan. Journ. Bot. 1: 121-136. 1923. no. 3.
Literature cited: p. 129.

Nagai, Isaburo
Notes on the species hybrids in the genus Mosla Japan. Journ. Bot. 1: 93-104. illus., pl. viii-ix 1923. no. 3.
Literature cited: p. 104.

Nohara, Sigeroku
Genetic studies on Spinacia Japan. Journ. Bot. 1: 111-120 1923. no. 3.

Journ. Agr. Res.

Dodge, B. O.
Origin of the central and ostiolar cavities in pycnidia of certain fungus parasites of fruits Journ. Agr. Res. 23: 743-759 illus., 6 pl. Mr.3, 1923 (May 1)
Literature cited: p. 758-759.
Blackrot fungus of dewberry - Strawberry-rot fungus - Schizoparme straminea, a new strawberry disease.

Elliott, J. A.
Cotton wilt, a seed borne disease Journ.Agr. Res. 23: 387-393. F.3,1923 (Ap.28,1923)

Godfrey, G. H.
Gray mold of castor bean Journ. Agr. Res. 23: 679-715 13 pl. Mr. 3,1923 (May 1)
Literature cited: p. 714-715.

Hoffer, G. N. and Carr, R. H.
Accumulation of aluminum and iron compounds in corn plants and its probable relation to rootrots Journ. Agr. Res. 23: 801-823 21 pl. Mr.10,1923. (May 1) no. 10.
Literature cited: p. 822-823.

Holbert, J. R.
Early vigor of maize plants and yield of grains as influenced by the corn root, stalk and ear rot diseases Journ. Agr. Res. 23: 583-629 7 pl. F. 24, 1923 (Ap.28)
W.L. Burlison, H.H. Biggar, B. Koehler, G.H. Duncan & M. T. Jenkins joint authors.
Literature cited: p. 628-629.

Journ. Agr. Res. (cont.)

Krout, W. S.
Control of lettuce drop by the use of formaldehyde Journ. Agr. Res. 23: 645-654 pl. F. 24, 1923 (Ap. 28) no.8.
Literature cited: p. 654.

McKinney, H.H.
Investigations of the rosette disease of wheat and its control Journ. Agr. Res. 23: 771-800 3 pl. Mr.10,1923 (May 1) no.10.
Literature cited: p. 799-800.

Richards, B. L.
Further studies on the pathogenicity of Corticium vagum on the potato as affected by soil temperature Journ. Agr. Res. 23: 761-770 pl. Mr.3, 1923 (May 1) no. 9.

Siegler, E. A. and Jenkins, A. E.
Sclerotinia carunculoides, the cause of a serious disease of mulberry Journ. Agr. Res. 23: 833-836 illus., 2 pl. Mr.10,1923 (May 1)

Van Hulst, J. H.
Distribution of pentosans in the corn plant at various stages of growth. Journ. Agr. Res. 23: 655-663 F. 24, 1923 (Ap.28) no. 8
Literature cited: p. 662-663.

Journ. Amer. Pharm. Assoc.

Chen, K. K.
Cassia oils from leaves and twigs Journ. Amer. Pharm. Assoc. 12: 293-296 illus. Ap. 1923. no. 4.
Bibliographical foot-notes.

Journ. Dept. Agr. & Techn. Instr. Ireland

Davidson, W. D.
Effect of selection of "seed" on the yield of the potato crop Journ. Dept. Agr. & Techn. Instr. Ireland 22: 378-380 1923 no. 4.

Davidson, W. D.
Potatoes - Experiments conducted in 1922, with varieties immune from black scab or wart disease Journ. Dept. Agr. & Techn. Instr. Ireland 22: 381-385 1923 no. 4.

Journ. Dept. Sci. Univ. Calcutta

Bal, S. N. and Dutta, A. C.
Commentationes mycologicae no. 11.
A few species of Meliola growing on different host plants Journ. Dept. Sci. Univ. Calcutta v. 4, Botany, no. 2. 7 p. pl. 1922.

Journ. Genetics

Andersson, Irma
The genetics of variegation in a fern Journ. Genetics 13: 1-11 illus., pl. i-ii Mr.1923. no. 1.

Cannon, H. G.
On the nature of the centrosomal force. Journ. Genetics 13: 47-78 illus. Mr.1923. no. 1
Literature list: p. 77-78.

Engledow, F. L.
The inheritance of glume-length in a wheat cross Journ. Genetics 13: 79-100 Mr.1923. no. 1.
Bibliography: p. 100.

Journ. Genetics (cont.)

Gates, R. R.
A peculiar type of variability in plants.
Journ. Genetics 13: 13-45 illus. Mr.1923.
no. 1.
Literature cited: p. 41-45.

Pellew, Caroline, and Sverdrup, Aslaug
New observations on the genetics of peas (Pisum sativum). Journ. Genetics 13: 152o131. illus.
Mr. 1923. no. 1.
List of references: p. 131.

Punnett, R. C.
Linkage in the sweet pea (Lathyrus odoratus)
Journ. Genetics 13: 101-123 illus., col.pl.iii
Mr. 1923 no. 1.
Literature: p. 123.

Journ. Heredity

Brison, F. W.
Variations in pecans Journ. Hered. 13:
366-368 illus. Ag./D. 1922 (Ap. 25,1923) no.8.

Kakizaki, Yoichi
Self-sterility in Chinese cabbage Journ.
Hered. 13: 374-376 illus. Ag./D. 1922 (Ap.
25,1923) no. 8.

Kelly, J. P.
Astylis Phlox. The relation of this variation
of Phlox drummondii to the large-eyed flower
Journ. Hered. 13: 338-342 illus. Ag./d.1922.
(Ap. 25,1923) no. 8.

Mangelsdorf, P. C.
Heritable characters of maize XII. Mealy
endosperm Journ. Hered. 13: 359-365. illus.
Ag./D. 1922 (Ap.25,1923). no. 8.

Safford, W. E.
Discovery of the ancestral form of Dahlia juarezii Journ. Hered. 13: 377-381 illus. Ag./
D. 1922 (Ap. 25,1923) no. 8.

Stout, A. B.
Sterility in lilies Journ. Hered. 13: 369-
373 illus. Ag./D. 1922 (Ap.25,1923) no.8.

Uphof, Johannes C.T.
A historic spot for students of genetics Journ.
Hered. 13: 343-345 illus. Ag./D. 1922 (Ap. 25,
1923) no. 8.
Spanderswoud where De Vries found the first
mutating Oenotheras.

Journ. Landw.

Blanck, Edwin, Geilmann, W. and Giesecke, F.
Die stickstoffwirkung des hexamethylentetramins
auf die pflanzenproduktion Journ. Landw. 70:
221-251 1922 no. 4.
Bibliographical foot-notes.

Journ. Min. Agr. Gt. Brit.

Prevalence of dodder in Great Britian Journ.
Min. Agr. Gt. Brit. 30: 38-41 Ap. 1923. no. 1.

Stapledon, R. G.
White clover Journ. Dept. Agr. Gt. Brit.
30: 33-38. illus. Ap. 1923 no. 1.

Journ. Min. Agr. Gt. Brit. (cont.)
Ware, W. M.
Violet felt rot (Rhizoctonia) of clover Journ. Min. Agr. Gt. Brit. 30: 48-52 plates Ap. 1923. no.1.
Bibliographical foot-notes.

Journ. Wash. Acad. Sci.
Blake, S. F.
New composites from Salvador. Journ. Wash. Acad. Sci. 13: 143-146. Ap.19,1923. no. 8.
Bibliographical foot-note.
Rensonia n.g. R. salvadorica; Vernonia standleyi, Zexmenia iners n.sp.

Kolloidchem. Beih.
Samen, Max, and Isajevic, V.
Studien über pflanzenkolloide XIV. Physiko-chemische analyse der agargallerte Kolloidchem. Beih. 16: 285-300. O. 1922. no. 5/12.

Landscape Arch.
Hamblin, Stephen F
Restraint in the choice of plant materials. Words for the young designer Landscape Arch. 13: 186-196. Ap. 1923. no.3

Matières Grass.
Piemaerts, J, and L'Heureux, L.
L'Afzelia Brieyi. Matières Grass. 15: 6374-6378. illus. Mr.15,1923 no. 179.
Bibliographical foot-notes.

Meded. Proefst. Java Suikerind. ([Suppl.] Arch. Suikerind. Nederl.-Ind.)
Wilbrink, G.
Warmwaterbehandeling van stekken als geneesmiddel tegen de serehziekte van het suikerriet Meded. Proefst. Java-Suikerind. (Suppl. Arch. Suikerind.)1923: [illegible] 1-15 no. 1.

Misc. Publ. Gt. Brit. Min. Agr.
Gt. Brit. Ministry of agriculture & fisheries.
Report on the occurrence of fungus, bacterial and allied diseases on crop in England and Wales, for the years 1920-21 Its Misc. Publ. no. 38 104 p. 1922
Prepared by A. D. Cotton.

Nature
Heibronn, I. M.
The photosynthesis of plant products Nature 111: 502-504 Ap. 1923. no. 2789.

Nature Mag.
Brownell, L.W.
The well known horse chestnut Nature Mag. v.1 no.5, p. 24-26 illus. My. 1923.

Ricker, P.L.
The protection of our native plants Nature Mag. v.1,no.5, p. 35-41 illus. My. 1923.

Naturwissenschaften
Czapek, Friedrich
Physikochemische probleme der protoplasmaforschung Naturwissenschaften 11: 237-243. Mr.30,1923 no.13.

New Zeal. Journ. Agr.
Aston, B. D.
The poisonous, suspected and medicinal plants of New Zealand (cont.) New Zeal. Journ. Agr. 26: 149-156 Mr. 1923. no.3 .

Orchid Review

Orchids of Panama Orchid Rev. 31: 107-110. Ap. 1923. no. 358.

Trichopilias Orchid. Rev. 31: 115-118. illus. Ap. 1923.

Parfum. Mod.

Chalot, Charles

La vanille a Madagascar Parfum. Mod. 16: 63-70 illus. Mr. 1923. no.3.

Ferrua, J.

Les ormones dans le règne végétal. Contribution à la physiologie des essences. Parfum. Md. 16: 53-55. Mr. 1923. no.3.

Pharm. Journ.

Hirst, H.M.

The Scarborough pharmacy club's herb garden. Pharm. Journ. IV, 56: 294-297. illus. Mr.31, 1923.

Mellor, Ernest W.

The countries our drugs come from VI. India Pharm. Journ. IV, 56: 297-298 Mr.31,1923. no. 3102.

Philipp. Journ. Sci.

Reyes, L.M.

Woods of the Philippine Dipterocarps. Philipp. Journ. Sci. 22: 291-344 pl. 1-31 . Mr. 1923. no. 3.

Bibliographical foot-notes.

Proc. Florida State Hort. Soc.

Berger, E. W.

Another apparently new entomogenous fungus from the hammock Proc. Florida State Hort. Soc. 35: 68-71 1922.

Aschersonia basicystis; deals also with some other entomogenous fungi.

Popenoe, Wilson

Avocado explorations in tropical America Proc. Florida State Hort. Soc. 35: 31-36 1922.

Quart. Journ. For.

Dallimore, William

Some useful species of hickory. Quart.Journ. For. 17: 64-67 Ap. 1923. no.2.

Quart. Journ. Ind. Tea Assoc.

Tunstall, A. C. and Bose, S. C.

The fungus diseases of the tea leaf (cont.) Quart. Journ. Sci. Dept. Indian Tea Assoc. 1922. p. 35-43 2 pl. no. 2.

Blister blight, Exobasidium vexans.

Queensl. Agr. Journ.

White, C.T. and Francis, W.D.

Queensland trees; Southern ghittoe (Halforida drupifera) Queensland Agr. Journ. 19: 197-199 illus. Mr. 1923 no. 3.

White, C.T.

Weeds of Queensland no. 29. Solanum seaforthianum Queensl. Agr. Journ. 19: 238-239 illus. Mr. 1923 no. 3.

Rev. Gén. Bot.

Carpentier, A.
Revue des travaux de paléontologie végétale publiés dans le cours des années 1910-1919 (suite) Rev. Gén. Bot. 35: 149-160 Mr. 1923 no. 411.
Bibliographical foot-notes.
I. Paléozoïque.

Cheux, Pierre
Revue des travaux de botanique tropicale et subtopicale (1910-1919) (suite) Rev. Gén. Bot. 35: 141-148 Mr. 1923. no. 411.
Bibliographical foot-notes.

Jacob de Cordemoy, Hubert?
Contribution a l'étude de la morphologie, de l'anatomie comparée, de la phytogénie et de la biogéographie des casuarinacées. (suite) Rev. Gén. Bot. 35: 127-140. Mr. 1923. no. 411.

Rev. Hort.

Leray, Ch
Quelques Magnolias nouveaux (suite) Rev. Hort. 95: 337-338 illus. Ap. 16,1923 no. 16.

Lesourd, Félicien
Nandina domestica Thunb. Rev. Hort. 95: 340-341 col.pl. Ap. 16,1923 no. 16.
Bibliographical foot-notes.

Mottet, Seraphim
Pinus leucodermis Antoine Rev. Hort. 95: 332-334 illus. Ap. 16, 1923. no. 16.

Tesnier, François
Les éphémérides de l'iris Rev. Hort. 95: 341-342 Ap. 16,1923 no. 16.

Rev Hort. Tunisie

Sagnard, C.
Les mimosas sur la Côte d'azur. Rev. Hort. Tunisie 21: 64-66. Ap.15,1923. no. 177.
Acacia dealbata.

Rev. Vitic.

Ruban, G.
Le permanganate de potasse, agent de traitement des maladies de la vigne Rev. Vitic. 58: 269-272 Ap. 1923 no. 1502.

Riv. Patol. Veg.

Ciferri, R.
Note sperimentali sul "mal del piombo" Riv. Patol. Veg. II, 13: 1-9 Mr. 1923. no. 1/3.
Bibliografia: p. 9.
Besides a fungus parasite (Stereum purpureum) & insects there is non-parasitic cause.

Science

Doolittle, S. P. and Walker, W. N.
Cross-inoculation studies with Cucurbit mosaic. Science n.s. 57: 477. Ap. 20, 1923. no. 1477.
Bibliographical foot-notes.

So. Afr. Fruit Grow.

Fruit tree diseases and their treatment. An apple tree canker caused by the fungus Botryosphaeria mali Putterill. South Afr. Fruit Grow. 10: 65. illus. Mr. 1923. no. 3.

Soil Sci.

Blair, A. W. and Prince, A. L.
Studies on the toxic properties of soils Soil Sci. 15: 109-129 pl. 1-4 F. 1923.
References: p. 129.

Burgess, P. S.
A method for the determination of "active" aluminum in acid soils Soil Sci. 15: 131-136. F. 1923. no. 2.
References: p. 136.

Gericke, W. F.
Further notes on the growing of wheat in one-salt solutions. Soil Sci. 15: 69-73. F. 1923. no. 2.
References: p. 73.

Succulenta

Duursma, G. D.
Echinopsis tubiflora Zucc. Succulenta 5: 40-42 illus. Ap. 13, 1923. no. 4.

Verbeek Wolthuys, J. J.
Zuid-Afrika II. De Karroo, Crassula columnaris L. Succulenta 5: 33-36 illus. Ap. 13, 1923. no. 4.

Trans. Brit. Mycol. Soc.

Bisby, G. R. and Buller, A.H.R.
Preliiinary list of Manitoba fungi Trans. Brit. Mycol. Soc. 8: 91-109. D. 1922. no. 1/2.

Cunnihgham, G. H.
A singular Cordyceps from Stephen Island, New Zealand. Trans. Brit. Mycol. Soc. 8: 72-75. illus. no. 1/2.
Cordyceps kirkii sp.nov.

Edwards, W. N.
An eocene microthyriaceous fungus from Mull, Scotland. Trans. Brit. Mycol. Soc. 8: 66-72 illus. pl. viii D. 1922. no. 1/2.
Bibliography: p. 71-72.

Elliott, W. T.
Some observations on the mycophagous propensities of slugs Trans. Brit. Mycol. Soc. 8: 84-90 D. 1922 no. 1/2.
Literature: p. 90.

Crow, W. D.
The structure and affinities of Leoconostoc mesenteroides (Cienkowsky) van Tieghem. Trans. Brit. Mycol. Soc. 8: 76-84. illus. D. 1922 no. 1/2.
Literature: p. 84.

Line, J.
The parasitism of Nectria cinnabarina (coral spot) with special reference to its action on red currant. Trans. Brit. Mycol. Soc. 8: 22-28 pl. i D.1922.
References: p. 28.

Ramsbottom, John
Orchid mycorrhiza Trans. Brit. Mycol. Soc. 8: 28-61 pl. ii-vii D. 1922.
Bibliographical foot notes.

Rayner, M. C.
Mycorrhiza in the Ericaceae Trans. Brit. Mycol. Soc. 8: 61-66 D. 1922 no.1/2.
References: p. 66.

Trans. Brit. Mycol. Soc. Trans. (cont.)
Rea, Carleton
Presidential address Trans. Brit. Mycol. Soc. 8: 11-22 D. 1922.
A brief review [of literature on classification of fungi based on the study of microscopical characters]

Zeitschr. Pflanzenkr.
Eriksson, Jakob
Beizversuche mit uspulun und supersolfo gegen den steinbrand des weizens Zeitschr. Pflanzenkr. 32: 289-293. illus. 1922 no.7/8
Bibliographical foot-note.

Schmidt, E. W.
Ueber die voraussetzungen zu einer erfolgreichen bekämpfung von pflanzenkrankheiten Zeitschr. Pflanzenkr. 32: 293-302. 1922 no. 7/8.
Bibliographical foot notes.

Zeitschr. Wiss. Mikros.
Fietz, A.
Formalin als fixierungsmittel in der botanischen mikrotechnik Zeitschr. Wiss. Mikros. 39: 193-203. 1923.
Literaturverzeichnis: p. 202-203.

Exper. Stat. Bubl.
Anderson, P. J. and Chapman, G. H.
Tobacco wildfire in 1922 Mass. Agr. Exp. Stat. Bull. 213 27 p. Ja. 1923.
Publications cited: p. 27.

Neal, D. C.
Report of the plant pathologist Ann. Rep. Mississippi Agr. Exp. Stat. 35 (1921/22): 25-28. 1922.

State Publications.
Cook, M. T.
Report of ... plant pathologist In Off. Proc. 8th Ann. State Agr. Conv. Ja. 1923. Bull. N.J. Dept. Agr. 34: 117-118 F. 1923.

New Books
Bonnier, Gaston.
Flore complèt illustrée en couleurs de France Suisses et Belgique... Fasc. 59-60 col.pl. 349-360 1923.

Jones, Chapin
Common forest trees of Virginia. A pocket manual 1922
In cooperation with U.S. Dept. of Agriculture.

Knoche, Herman
Flora balearica IV (planches) 1923.

Maiden, J. H.
Critical revision of the genus Eucalyptus v.6, pt. 7-8 (whole ser. no. 57-58) 1922-23.

Palladin, V. I.
Plant physiology. Authorized English ed., edited by B.E. Livingston 2d American ed. with a biographic note and chapter summaries by the editor Philadephia, P. Blakiston's sons & co., c1923.

Reutter, L.
Traité de matière medicale. Paris, 1923.

Sartory, Auguste and Maire, L.
Compelium hymenomycetum. Amanita. fasc. no. 7. 1922.

Library, Bureau of Plant Industry
Current Author Entries, 1923, List 109.
Indexed May 7-19, 1923.

Addisonia

Addisonia v.8, no.1. Mr.1923.

Small, J.K.
Eugenia buxifolia. p. 1-2. col. pl. 257.

Crawford, J.A.
Verbena venosa. p.3-4. col. pl. 258.

Crawford, J.A.
Parsonsia micropetala. p.5-6. col. pl. 259.

Lydberg, P.A.
Ribes cereum. p.7-8. col. pl. 260.

Gleason, H.A.
Hamamelis vernalis. p.9-10. col. pl. 261.

Boynton, K.R.
Schizocapsa plantaginea. p.11-12. col.pl.262.

Boynton, K.R.
Cornus stricta p. 13-14. col. pl. 263.

Boynton, K. R.
Deutzia scabra watereri, p.15-16. col. pl.264.

Addresses Fourth Ann. Walnut Inst.

Fawcett, H. S.
Melanuma of the walnut. Addresses Fourth Ann. Walnut Inst. p. 3-4. 1922.

Agar. Mexicano y Hogar

Hernandez, Norberto
Plantas forrajeras de nuestra flora silvestre. Agr. Mexicano y Hogar. 39: 146-149. My.1923. no.5.

Amer. Bot.

Clute, W. N.
The flowers of the Magnolia. Amer. Bot. 29: 45-47. illus. My.1923. no.2.

Clute, W. N.
Plant names and their meanings. XV. Scrophulariaceae Amer. Bot. 29: 60-67 My.1923. no.2.

Sempers, J. F.
Vitality of Canna seeds. Amer. Bot. 29: 57-60. My.1923. no.2.

Soth, B. H.
Flora of Pocatello, Idaho. Amer. Bot. 29: 48-53. My,1923. no.2.

Amer. Fern Journ.

Benedict, R.C.
The mosquito fern. Amer. Fern Journ. 13: 48-52. pl.2. Ap.-Je.1923. no.2.

Benedict, R.C.
Wild plant conservation in Connecticut, a suburban state. Amer. Fern Journ. 13: 56-58. Ap.-Je.1923. no.2.
Bibliographical foot-note.

Clarkson, E. H.
Autumn frosts and the ferns. Amer. Fern Journ. 13: 45-47. Ap.-Je.1923. no.2.

Farwell, O.A.
Botrychium dissectum. Amer. Fern Journ. 13: 42-45. Ap.-Je.1923. no.2.

Schaffner, J.H.
How to distinguish the North American species of Equisetum. Amer. Fern Journ. 13: 33-40. Ap.-Je. 1923. no.2.
Bibliographical foot-note.

Amer. Fern Journ. (cont.)
Sim, Robert J.
Observations on the climbing fern in Pennsylvania Amer. Fern. Journ. 13: 40-42 . Ap.-Je.1923. no.2.

Wright, M.O.
How to save the wild flowers, the transplanting of wild plants in general and the Mountain Laurel and Rhododendron in particular. Amer. Fern Journ. 13: 52-55. Ap.-Je.1923. no.2.

Amer. Journ. Bot.
Harper, R. A.
The species concept from the point of view of a morphologist. Amer. Journ. Bot. 10: 229-233 My. 1923. no.5.

Harter, L.L. and Weimer, J.L.
The relation of the enzym pectinase to infection of sweet potatoes by Rhizopus. Amer. Journ. Bot. 10: 245-258. My.1923. no.5.
Literature cited: p.257-258.

Reed, G.
The species concept from the point of view of a physiologist and bacteriologist. Amer. Journ. Bot. 10: 234-238. My,1923. no.5.

Shull, G.H.
The species concept from the point of view of a geneticist. Amer. Journ. Bot. 10: 221-228. My.1923. no.5.

Stakman, E. C.
The species concept from the point of view of a plant pathologist. Amer. Journ. Bot. 10: 239-244. My.1923. no.5.

Valleau, W. D.
The inheritance of flower types and fertility in the strawberry. Amer. Journ. Bot. 10: 259-274. My.1923. no.5.
Literature cited: p. 273-274.

Anexos Mem. Secc. Bot. Inst. Butantan
Hoehne, F. C.
Convolvuláceas dos herváríos: horto "Oswaldo Cruz" Museu Paulista e Commissão Rondon. Anexos Mem. Secç. Bot. Inst. Butantan. 1: 3-83. pl. 1-19. no.6. D.1922.

Krause, Kurt
Contribuição ao conhecimento das Loranthaceae do Brasil meridional (Beiträge zur kenntnis der südbrasilianischen Loranthaceen). Anexos Mem. Secç. Bot. Inst. Butantan. 1: 85-92. pl.20. D.1922. no.6.

Ann. Phytopath. Soc. Japan
Miyake, Chuichi
On a brown shot hole disease of cherry leaves caused by Mycosphaerella cerasella Aderh. Ann. Phytopath. Soc. Japan. 1: 31-42. plate. 1923. no.6.
In Japanese
English summary: p. 41-42.

Mizusawa, Y.
A bacterial rot disease of saffrons. Ann. Phytopath. Soc. Japan. 1: 1-12. 1923. no.5.
Literature cited: p. 11-12.
Bacillus croci n. sp.

Nakata, N. and Takimoto, K.
Bacterial blight of Hibiscus. Ann. Phytopath. Soc. Japan. 1: 13-19. illus. 1923. no.5.
In Japanese.
English summary: p. 18-19.
Bacterium hibisci n. sp.

Ann. Phytopath. Soc. Japan (cont.)

Nishikado, Yoshikazu
Effect of temperature on the growth of Helminthosporium oryzae Br. D. Haan. Ann. Phytopath. Soc. Japan 1: 20-30. 1923. no.5.
In Japanese
English summary: p. 29-30.

Takimoto, Kyosumi
On the vitality of Cercospora beticola. Ann. Phytopath. Soc. Japan 1: 43-44 1923. no.5
English summary: p . 44.

Arch. Protistenk.

Peterschilka, Franz
Beitrag zurkernteilung und parthenosporenbildung von Spirogyra mirabilis Kütz. (Zur cytologie dor chlorophyten. II.) Arch. Protistenk. 46: 153-165. illus. 1923. no.2.
Literaturverzeichnis: p. 164-165.

Biochem. Zeitschr.

Bach, A. and Oparin, A.
Uber die fermentbildung in keimenden pflanzensamen. Biochem. Zeitschr. 134: 183-189 1922 no.1/4.
Bibliographical foot-notes

Butkewitsch, Wl
Uber die bildung der citronensäure in den kulturen von Aspergillus niger und Penicillium glaucum auf zucker. Biochem. Zeitschr. 136: 224-237. 1923. no.1/3.
Bibliographical foot-notes

Franzen, H. and Helwert, F.
Uber die chemischen bestandteile grüner pflanzen. XXVI. Mitteilung. Kritisches über das vorkommen der weinsäure in den pflanzen. Biochem. Zeitschr. 136: 291-305. 1923. no.1/3.
Bibliographical foot-note.

Franzen, Hartwig
Uber die chemischen bestandteile grüner pflanzen XXVII. Kritisches über das vorkommen der bernsteinsäure in den pflanzen. Biochem. Zeitschr. 136: 327-335. 1923. no.4/6.

Iwanoff, N. N.
Über den harnstoffgehalt der pilze. Biochem. Zeitschr. 136: 1-8. 1923. no.1/3.
Bibliographical foot-notes.

Iwanoff, N. N.
Über die bildung des harnstoffs in pilzen. Biochem. Zeitschr. 136: 9-19. 1923. no.1/3.
Bibliographical foot-notes.

Korinek, J.
Über den einfluss der pflanzlichen Lipasen auf das Mycobacterium tuberculosis poikilothermorum L.N. Biochem. Zeitschr. 136: 530-536 1923. no.4/6

Oparin, Alexander
Einfluss des sauerstoffs auf die fermentbildung in keimenden weizensamen. Biochem. Zeitschr. 134: 190-193. 1922. no.1/4.

Palladin, Alexander
Enthält der buchweizen alle dem wachsenden organismus notwendigen nahrungsfaktoren? Biochem. Zeitschr. 136: 346-352. 1923. no.4/6
Bibliographical foot-notes

Pirschle, Karl
Ein beitrag zur mikrosublimation des indigo. Biochem. Zeitschr. 136: 403-410. illus. 1923. no.4/6
Bibliographical foot-notes.

Biochem. Zeitschr. (cont.)

Prát, Silvestr
Die elektrolytaufnahme durch die pflanze. I Mitteilung. Die resorption von mineralstoffen durch die wurzeln. Biochem. Zeitschr. 136: 336-376. 1923 no.4/6.

Rosenthaler, Leopold and Seiler, K.
Variationsstatistik als hilfswissenschaft der biochemie der pflanzen. Biochem. Zeitschr. 134: 225-233. 1922. no.1/4.
Bibliographical foot-notes

Stoklasa, Julius
Über den einfluss der schwefeldioxyds auf die atmung der phanerogamen. Biochem. Zeitschr. 136: 306-326. 1923. no.1/3
Bibliographical foot-notes.

Biol. Zentralbl.

Laibach, Friedrich
Die abweichungen vom "mechanischen" zahlenverhältnis der lang- und kurzgriffel bei heterostylen pflanzen. Biol. Zentralbl. 43: 148-157 Mr.1923.
Bibliographical foot notes.

Suessenguth, Karl
Über den tagesperiodischen farbwechsel von Selaginella serpens Spring. Biol. Zentralbl. 43: 123-129. illus. Mr.1923. no.2.

Vries, Hugo de
Über die entstehung von Oenothera lamarckiana mut. Velutina. Biol. Zentralbl. 43: 213-224. Mr.1923. no.2.
Literatur: p.224.

Bot. Jahrb. Engl.

Engler, Adolf
Beiträge zur flora von Afrika L. Bot. Jahrb. Engler 58: 200-243 Ap.1923. no.3.
Connaraceae africanae IV. Von G. Schellenberg.- Iridaceae africana Von J. Mildbraed. (Zygotritonia n.g.) - Cochlospermaceae africanae Von J. Mildbraed Cucurbitaceae africanae. Von H. Harms. - Ein neuer Rhamnus aus Tripolis. Von A. Engler.

Engler, Adolf
Ein neuer Rhamnus aus Tripolis. In Engler, A. Beiträge zur flora von Afrika L. Bot. Jahrb. Engl. 58: 243. Ap.1923. no.3.
Rhamnus tripolitanus Engl. n. sp.

Harms, Hermann
Cucurbitaceae africanae. In Engler, A. Beiträge zur flora von Afrika L. Bot. Jahrb. Engl. 58: 238-242. Ap.1923. no.3.
Momordica L., Trochomeria Hook, Coccinia Wight et Arn, Cyclantheropsis Harms.

Keller, Robert
Ueber neue arten der gattung Hypericum. Bot. Jahrb. Engl. 58: 193-199. Ap.1923. no.3.

Lauterbach, Carl
Beiträge zur flora von Papuasien X, no.82-85. Bot. Jahrb. Engl. 58: 255-304. Ap.1923. no.3.
82. Die monimiaceen-gattung Kienburgia. Von E. Gilg & R. Schlechter. 83: Beiträge zur kenntnis der erythroxylaceen von Papuasien. Von O. E. Schulz. 84: Lichenes novo-guineenses. Von G. Lindau. 85. Gesneriaceae papuanae. Von R. Schlechter

Mildbraed, Johannes
Cochlospermaceae africanae. In Engler, A. Beiträge zur flora von Afrika L. Bot. Jahrb. Engl. 58: 234-237 Ap.1923. no.3.
Cochlospermum Kunth.

Bot. Jahrb. Engl. (cont.)
Mildbraed, Johannes
Iridaceae africanae. In Engler, A. Beiträge zur flora von Afrika L. Bot. Jahrb. Engl. 58: 230-233. Ap.1923. no.3.
Zygetritonia Mildbr. nov. gen., Z. bongensis, Z. nyassana Mildbr. n. spec., Z. gracillima Mildbr. n.sp., Gladiolus L.

Reiche, Karl
Die vegetationsverhältnisse in der umgebung der hauptstadt von Mexiko. Bot. Jahrb. Engler 58: (Beibl. 129): 65-116 illus. Ap.1923. no.3.
Bibliographical foot-notes

Bull. Agr. Alg.-Tun.-Maroc.
Trabut, Louis
Le figuier. Bull. Agr. Alg.-Tun.-Maroc II 29: 33-39. no.3.
Bibliographical foot-note.

Bull. Agr. Exp. Stat. Chosen
Nakata, Kakugoro and Takimoto, Seito
Studies on ginseng diseases in Korea. Bull. Agr. Exp. Stat. Chosen no.5, 81 p. 6 pl. 1922.
[Literature] p.79-81.
In Japanese
The following new species are described (in English): Colletotrichum panacicola, on leaf & stem: p. 26; Bacterium panaxi, amber rot: p. 33; Phoma panacis, brown and silvery gray rot on stems: p. 67; Phyllosticta panax, brown spot of leaves: p. 70.
English abstract in Japanese Journ. Bot. 1:43-44.1923.

Nakata, Kakugoro, Nakajima, Tomosuke and Takimoto, Seito.
Studies on sugar-beet diseases and their control.
Bull. Agr. Exp. Stat. Chosen. no.6, 118 p. 8 pl. 1922
In Japanese.
English abstract in Japanese Journ. Bot. 1:43. 1923.

Bull. Dept. Agr. Canada
Clark, G.H.
Weeds and weed seeds, illustrated and described.
Bull. Dept. Agr. Canada. n.s. no.4 64 p. illus. 1922.

Bull. Dept. Agr. Ceylon
Auchinleck, G.C.
The West African oil palm and its products. Bull. Dept. Agr. Ceylon no.26 18 p. pl. i-v. F.1923.

Bryce, George
The toxicity of lime to Fomes lignosus Klotzsch.
Bull. Dept. Agr. Ceylon no.64 17 p. F.1923.
Bibliographical foot-notes.

Bull. Soc. Hist. Nat. Afr. Nord.
Litardière, René de
Un Festuca nouveau pour l'Algérie: F. Mairei St. Y. Bull. Soc. Hist. Nat. Afr. Nord. 14: 94-95. 1923
Bibliographical foot-notes.
Festuca mairei St Y

Maire, René
Contributions à l'étude de la flore de l'Afrique du Nord (6 fasc.) Bull. Soc. Hist. Nat. Afr. du Nord. 14: 118-159. Mr.1923. no.3.

Maire, René
Deuxième contribution a l'etude de la flore du Sahara occidental. Bull. Soc. Hist. Nat. Afr. Nord. 14: 159-160. 1923. no.3

Bull. Soc. Mycol. France

Dumée, Paul

Notes de mycologie pratique I Bull. Soc. Mycol. France 38: 188-199 pl.xi 1923.

I. Observations sur Cortinarius. II. Amanita solitaria Bull. et A. strobiliformis Paul. III. Tricholoma truncatum Schaef. et T. militare Lasch IV. Polyporus dryadeus Pers. V. Les pieds bleu (Tricholoma nudum Bull.) T. personatum Fries.

Bull. Soc. Vaud. Sci. Nat.

Hasler, Alfred, Mayor, Eug. and Cruchet, P.

Contribution à l'étude des Uredinées. Relation entre Aecidium senecionis Ed. Fischer nov. nom. ad. int. et Puccinia senecionis-acutiformis nov. spec. Bull. Soc. Vaud. Sci. Nat. 54: 339-344 illus. Jl.1922 no.205

Bibliographical foot-notes

Mayor, Eugène

Un Uromyces nouveau récolté dans le Jura vaudois. Bull. Soc. Vaud. Sci. Nat. 54: 263-266. illus. no.204 Mr.1922

Uromyces arenariae-grandiflorae spec. nov.

Canad. Field Nat.

Mousley, Henry

The Alpine maidenhair fern (Adiantum pedatum L. var. aleuticum Rupr.) at Hatley, Stanstead county, Quebec. Canad. Field Nat. 37: 84-85. My.1923. no.5

La Cellule

Devisé, René

La figure achromatique et la plaque cellulaire dans les microsporocytes du "Larix europaea". La Cellule 32: 247-309 pl. 1-iv. 1922 no.2.

Bibliographie: p. 299-303

Guilliermond, Alexandre

Nouvelles observations cytologiques sur les Saprolégniacées. La Cellule 32: 429-454 col. pl. i-iii. 1922. no.2.

Bibliographical foot-notes

Martens, Pierre

Le cycle du chromosome somatique dans les phanérogames. Le Cellule. 32: 331-428 pl.i-iv 1922 no.2.

I. Paris quadrifolia L.

T'Serclaes, Jacques de

Le noyau et la division nucléaire dans le Cladophora glomerata. La Cellule 32: 311-329 pl. i-ii 1922 no.2.

Liste bibliographique: p. 327

Compt. Rend. Acad. Agr. France

Bussard, Léon

La cuscute dans le lotier. Compt. Rend. Acad. Agr. France 9: 379-381 Ap.18,1923. no.13.

Godlewski, Emil

Sur l'influence des engrais potassiques sur le développement et la composition chimique des différentes plantes cultivées. Compt. Rend. Acad. Agr. France 9: 404-412 Ap.1923. no.1505

Rabaté, Edmond

Action de l'acide sulfurique contre la rouille du blé. Compt. Rend. Acad. Agr. France 9: 403-404 Ap.1923. no.14

Compt. Rend. Acad. Sci. Paris

Blum, L.
Modification des végétaux soumis à la culture en serre. Compt. Rend. Acad. Sci. Paris 176: 1085-1087 Ap.16,1923. no.16.

Chamastelon, R.
Sur un procédé de conservation des bois. Compt. Rend. Acad. Sci. Paris 176: 1178-1179. Ap.23,1923. no.17.

Coupin, Henri
Sur la nature morphologique de la "pomme" des Choux-fleurs. Compt. Rend. Acad. Sci. Paris 176: 1176-1178 Ap.23,1923. no.17

Georgévitch, Pierre
Sur le rôle du centrosome dans la cinèse. Compt. Rend. Acad. Sci. Paris 176: 1084-1085. Ap.16, 1923. no.16.

Souèges, René
Embryogénie des Valérianacées. Développement de l'embryon chez le Valerianella clitoria Poll. Compt. Rend. Acad. Sci. Paris. 176: 1081-1083. illus. Ap. 16,1923. no.16.
Bibliographical foot-notes.

Compt. Rend. Congr. Prod. Colon.

Gattefosse, Jean
Huiles essentielles nouvelles du Tonkin et de l'Annam Compt. Rend. Congr. Prod. Colon. 1922 p. 237-248
Appendice botanique par M. F. Gagnepain: p.246-248.

Compt. Rend. Soc. Biol. Paris

Lapicque, Louis and Saint-Firmin, Lisere de
Sur l'irritabilité des chromatophores de Spirogyres. Compt. Rend. Soc. Biol. Paris 88: 669-671. Mr.17,1923. no.10.
Bibliographical foot-note.

Nihoul, J.
Sur le chondriome du Crinum capense. Compt. Rend. Soc. Biol. Paris 88: 295-297. illus. F.3, 1923. no.4.

Curt. Bot. Mag.

Stapf, Otto
Isotrema chrysops 4 p. col. pl. 8957.
Stapf, Otto
Prunus incisa 3 p. col. pl. 8958.
Stapf, Otto
Milettia dura 4 p. col. pl. 8959.
Stapf, Otto
Lilium centifolium. 4 p. col. pl. 8960.
Turrill, William B.
Dictamnus albus var. Caucasicus. 2 p. col. pl. 8961.
Turrill, William B.
Deutzia Pulchra. 3 p. col. pl. 8962.
Hutchinson, J.
Rhododendron cantabile. 2 p. col. pl. 8963.
Stapf, Otto
Xerophyllum tenax 4 p. col. pl. 8964,
Stapf, Otto
Cypripedium himalaicum. 4 p. col. pl. 8965.
Turrill, W. B.
Rhipsalis warmingiana. 2 p. col. pl. 8966.
Turrill, W. B.
Veronica pimeleoides. 3 p. col. pl. 8967.

Deut. Landw. Presse

Ausborn

Ein Heisswasserbeizversuch gegen den Flugbrand. Deut. Landw. Presse 50: 125-126. Ap.7,1923. no.14.

Botjes, J.O.

Die verwendung unreifer kartoffeln als saatgut. Deut. Landw. Presse. 50: 118-119. Mr.31,1923. no.13

Peters, Deo

Die krüselkrankheit der rüben. Deut. Landw. Presse 50: 117 illus. Mr.31,1923. no.13.

Faserforsch

Müller, W.

Zur struktur der zellmembran von flachs und hanf (kritische übersicht) Faserforsch. 3: 166-172 1923 no.2.

Literaturübersicht: p. 172.

Tobler, Gertrud

Cordia bast Faserforsch. 3: 161-166 illus. 1923. no.2.

Floralia

Schenk, P. J.

Die iepenziekte VI. Floralia 44: 248-249 illus. Ap.27,1923. no.14.

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

Leaf scorch on fruit trees, further investigation at Long Ashton. Fruit. Grow. Fruiterer Flor. & Mark. Gard. 55: 695-696. Ap.19,1923. no.1429

Garden

Dykes, W. R.

Wild species of tulip Garden 87: 193-195. illus. Ap.21,1923. no.2683.

Gard. Chron.

Auton, W.

Soil acidity. Gard. Chron. III, 73: 247. My. 5,1923. no.1897.

Elliott, J.S.B. and Stansfield,O.P.

Life history of Polythrincium trifolii Gard. Chron. III, 73: 221 Ap.21,1923. no.1895.

Horne, A.S., Carré, M.H., Judd, H.M. and Williamson,H.S.

The genus Eidamia Gard. Chron. III, 73: 221 Ap.21,1923. no.1895

Robertson Proschowsky, A.

Palms of the Riviera. Gard. Chron. III. 73: 248. My.5,1923. no.1897.

Small, James

Propagation by cuttings in acidic media. Gard. Chron. III 73: 244-245 illus. My.5,1923. no.1897.

Ward,F.K.

Mr. Kingdon Ward's seventh expedition in Asia. no.13. Through the Mekong gorges. Gard. Chron.III 73: 214. Ap.21,1923. no.1895.

Ward, K.

Mr.Kinglon Ward's seventh expedition in Asia. no.14. Dungon. Gard. Chron. III 73: 216. no.1897. My.5,1923.

Genetica

Lotsy, J. P. and Kuiper, K.
A preliminary statement of the results of Mr. Houwink's experiments concerning the origin of some domestic animals II Genetica 5: 1-50 ii pl. 1923. no. 1

Lotsy, J. P. and Kuiper, K.
A peculiar eye-color among malamute-dogs Genetica 5: 77-78 1923.

Scott, D. H.
The origin of the seed-plants (Spermatophyta) Genetica 5: 51-60 Ja.1923. no.1
Bibliographical foot notes

Tammes, Tine
Das genotypische verhältnis zwischen dem wilden Linum angustifolium und dem kulturlein, Linum usitatissimum Genetica 5: 61-76 col. pl. Ja.1923. no.1

Genetics

Benedict, R.C.
New bud sports in Nephrolepis. Genetics. 8: 75-95, illus., pl. 1-2. Ja.1923. no.1.
Literature cited: p. 95.

Little, C. C. and Jones, E. E.
The effect of selection upon a Mendelian ratio Genetics 8: 1-26. Ja.1923.

Mann, M. C.
The occurence and hereditary behavior of two new dominant mutations in an inbred strain of Drosophila melanogaster. Genetics 8: 27-36. Ja.1923.

Harris, J.A.
The correlation between the time of beginning and the time of cessation of laying in the first and second laying year in the domestic fowl. Genetics 8: 37-74 Ja.1923.

Hedwigia

Bachmann, E.
Uber das verhältnis der gonidien zum flechtenpilz. Hedwigia 64: 233-240 illus. 1923.no.3/4
Bibliographical foot-notes

Scehner, Ert
Der formenkreis von Hymenogaster tener Berk. et Br. Hedwigia. 64: 192-202 illus. 1923. no.3/4

Van Oye, Paul
Zur biologie von Trentepohlia auf Java Hedwigia 64: 175-189. illus. 1923, no.3/4
Bibliographical foot-notes

India Rubber World

Perry, G.E.
Bud-grafting of Hevea brasiliensis, anatomy of Hevea- relation between types and yield- factors in bud selection- practical budding methods. India Rubber World 68: 483-486 illus. My.1,1923. no.2

Intern. Rev. Sci. & Pract. Agr.

Janini, R. J.
The chief diseases and pests of the orange and lemon groves of Spain. Intern. Rev. Sci. & Pract. Agr. n.s. 1: 61-73. pl. v-vi Ja.-Mr.1923. no.1
Bibliography: p.71-73

Intern. Rev. Sci. & Prac. Agr. (cont.)

Mangin, L. A.
The restoration of chestnut woods. Intern. Rev. Sci. & Prac. Agr. n.s. 1: 37-42. Ja.-Mr.1923. no.1

Tanaka, Tyôz aburô
Citrus industry in Japan. Intern. Rev. Sci. & Pract, Agr. n.s. 1: 25-36. pl. iv. Ja.-Mr.1923. no.1

Jahrb. St. Gall. Naturw. Ges.

Braun-Blanquet, Josias
Prinzipien einer systematik der pflanzengesellschaften auf floristischer grundlage. Jahrb. St. Gallischen Naturwissensch. Ges. 57: 305-351. 1923. no.2.
Bibliographical foot-notes.

Nüesch, Emil
Die schwarzsporigen blätterpilze der kantone St. Gallen und Appenzell. Bestimmungsschlüssel, artenbeschreibung mit kritischen bemerkungen und fundverzeichnis. Jahrb. St. Gallischen Naturwissensch. Ges. 57: 141-169. 1921. no.2.
Bibliographical foot-notes

Journ. Agr. Res.

Dickson, J. G.
Influence of soil temperature and moisture on the development of the seedling-blight of wheat and corn caused by Gibberella saubinetii. Journ. Agr. Res. 23: 837-870. pl. 1-6 Mr.17,1923. (My.15,1923)
Literature cited: p. 869-870

Garner,W.W. and Allard,H.A.
Further studies in photoperiodism, the response of the plant to relative length of day and night. Journ. Agr. Res. 23: 871-920. pl. 1-19. Mr.17,1923. (May 15,1923)
Literature cited: p. 919-920.

Journ. Arnold Arb.

Howe, J. M.
George Rogers Hall, lover of plants. Journ. Arnold Arb. 4: 91-98. Ap.1923.

Rehder, Alfred
New species, varieties and combinations from the herbarium and the collections of the Arnold Arboretum. Journ. Arnold Arb. 4: 107-116 Ap.1923. no.2.

Sargent, C.S.
Notes on North American trees XI. New species of Crataegus. Journ. Arnold Arb. 4: 99-107. Ap.1923.no.2.

Wilson, E. H.
Northern trees in southern lands. Journ. Arnold Arb. 4: 61-90. Ap.1923. no.2.

Journ. Gen. Physiol.

Hoagland, D. R. and Davis, A. R.
The composition of the cell sap of the plant in relation to the absorption of ions. Journ. Gen. Physiol. 5: 629-646. My.1923. no.5.
Bibliographical foot-notes.

Ray, G.B.
The action of chloroform on the oxidation of some organic acids. Journ. Gen. Phys. 5: 611-622. My.1923. no.5.
Bibliography: p. 622.

Ray, G.B.
The production of CO_2 from organic acids in relation to their iodine absorption Journ. Gen. Phys. 5: 623-627. My.1923. no.5.

Journ. Gold Coast Agr. & Comm. Soc.
Bunting, R.H.
Dead cocoa pods - A menace to the cocoa industry. Journ. Gold Coast Agr. & Comm. Soc. 2: 6-8. pl. i-ii. O.-D. 1922. no.1.

McLeod, N. C.
The Shea-butter possibilities of the northern territories. Journ. Gold Coast Agr. & Comm. Soc. 2: 9-19. O.-D.1922. no.1.

Journ. Indian Bot.
Dastur, R.H.
Vegetative reproduction by root runners in two species of Clerodendron. Journ. Indian Bot. 3: 143-147. illus. Mr.1923. no.5.
Literature cited: p. 145-146.

Petch, Thomas
A new Bulbophyllum. Journ. Indian Bot. 3: 148-150. illus. Mr.1923. no.5.
Bulbophyllum tricarinatum n.sp.

Sabnis, T. S.
The flora of Sind. Journ. Indian Bot. 3: 151-153. Mr.1923. no.5.

Saxton, W. T.
Some observations and suggestions regarding "Nyctinasty". Journ. Indian Bot. 3: 127-142. illus. Mr.1923. no.5.
Literature cited: p. 140.

Journ. Min. Agr. Gt. Brit.
Garrad, G. H.
Hoary pepperwort or Thanet weed. Journ. Min. Agr. Gt. Brit. 30: 158-162. My,1923. no.2.

Salmon, E. S. and Wormald, H.
The "ring-spot" and "rust" disease of lettuce. Journ. Min. Agr. Gt. Brit. 30: 147-151. plate. My.1923. no.2.
Bibliographical foot-notes.

Journ. Pomol. & Hort. Sci.
Crane, M. B.
Report on tests of self-sterility and cross-incompatibility in plums, cherries, and apples at the John Innes horticultural institution. II. Journ. Pom. 3: 67-84 plates. Ap.1923. no.2.
Bibliographical foot-notes
For I see Sutton, Ida

Peren, G. S.
Data on the lateral spread of the roots of fruit trees. Journ. Pom. 3: 96-102. Ap.1923. no.2.
Bibliography: p. 102.

Journ. Roy. Agr. Soc. Engl.
Biffen, R.H.
Annual report for 1922 of the botanist. Journ. Roy. Agr. Soc. Engl. 83: 247-252. 1922.

Biffen, H. H.
Wheat breeding experiments. Journ. Roy. Agr. Soc. Engl. 83: 35-44. 1922.

Journ. Straits Br. R. Asiatic Soc.
Merrill, E. D.
New or noteworthy Bornean plants. pt.II. Journ. Straits Br. Roy. Asiatic Soc. 86: 312-342 N.1922.

Journ. Straits Br. Roy. Asiatic Soc. (cont.)
Ridley, H. N.
New and rare Malayan plants. XII. Journ. Straits Br. Roy. Asiatic Soc. 86: 292-311. N.1922.

Burkill, I. H.
Notes on dipertocarps no.6-8 Journ. Straits Br. Roy. Asiatic Soc. 86: 271-295. illus. N.1922.

Journ. Wash. Acad. Sci.
Chase, Agnes
The identification of Raddi's grasses. Journ. Wash. Acad. Sci. 13: 167-179. My.4,1923. no.9.
Bibliographical foot-notes

Cook, O. F.
Opsiandra, a new genus of palms growing on Maya in Petén, Guatemala. Journ. Wash. Acad. Sci. 13: 179-184. My.4,1923. no.9.
Bibliographical foot-notes
Opsiandra Cook, gen. nov., Opsiandra maya Cook, sp. nov.

K. Landtbr. Akad. Handl. e. Tidskr.
Arrhenius, Olaf
Försök till bekämpande an betrotbrand. K. Lantbr. Akad. Handl. o. Tidskr. 62: 157-169. plate. 1923. no.2.
Litteratur: p. 167-168.

Malayan Agr. Journ.
Georgi, C. D. V.
Note on Minyak Nyatoh (Oil from Palaquium species). Malayan Agr. Journ. 11: 38. F.1923. no.2.

Georgi, C. D. V.
Notes on Kapayang oil. Malayan Agr. Journ. 11: 39-40 F.1923. no.2.

Sharples, A.
Final report on treatment of mouldy rot disease with agrisol. Malayan Agr. Journ. 11: 36-37. no.2. F.1923.

Sharples, A. and Lambourne, L.
Preliminary report on brown bast experiments in Malaya. Malayan Agr. Journ. 11: 30-35. F.1923 no.2.

Naturwissenschaften
Weber, Friedl
Enzymatische regulation der spaltöffnungsbewegung. Naturwissensch. 11: 309-316. Ap.27,1923. no.17
Literatur: p.316.

Parfum. Mod.
Chalot, Charles
La vanille a Madagascar. Parfum. Mod. 16: 83-89. illus. Ap.1923. no.4.

Pflügers Arch. Ges. Phys.
Netter, Hans
Über die beeinflussung der alkalisalzaufnahme lebender pflanzenzellen durch mehrwertige kationen. Pflügers Arch. Ges. Phys. 198: 225-251. 1923. no.2.
Bibliographical foot-notes.

Pharm. Journ.

Mellor, E. M.
The countries our drugs come from VI. India Pharm. Journ. IV, 56: 337-340. illus. Ap.14,1923. no.3104.

Physiol. Res. Prelim. Abst.

Carey, C. L.
The relation of acidity to carbon-dioxide absorption by certain gels and plant tissues. Physiol. Res. Prelim. Abst. No.19, p.407-408. My.1923.

Phytopath.

Brisley, H. R.
Studies on the blight of cucurbits caused by Macrosporium cucumerinum E. & E. Phytopath. 13: 199-204. illus. My.1923. no.5.

Chupp, Charles and Clapp, G.L.
Fusicoccum canker on apple. Phytopath. 13: 225-230. pl. xii. My.1923. no.5.
Literature cited: p.230
Fusicoccum pyrorum n. sp.

Czarnecki, H. L.
Studies on the so-called black heart disease of the apricot. Phytopath. 13: 216-224. illus. pl. xi. My.1923. no.5.
Caused by what seems to be a new species of Verticillium.

Detmers, Freda
Dothichiza canker on Norway poplar. Phytopath. 13: 245-247. pl. xiii. My.1923. no.5.
Literature cited: p.247.

Gaines, E. F. and Stevenson, F.J.
Occurrence of bunt in rye. Phytopath. 13: 210-215. illus. My.1923. no.5.
Literature cited: p.215.

Hungerford, C. W.
A Fusarium wilt of spinach. Phytopath. 13: 205-209 illus. My.1923. no.5.

Lee, H. A. and Serrano, F.B.
Banana wilt of the Manila hemp plant. Phytopath. 13: 253-256. My.1923. no.5.
Bibliographical foot-notes.

Lutman, B.F.
An outbreak of hopper burn in Vermont. Phytopath. 13: 237-241. illus. My.1923. no.5.
Literature cited: p. 240-241.

Lutman, B. F.
Potato scab in new land. Phytopath. 13: 241-244. My.1923. no.5.
Bibliographical foot-note.

Sanford, G.B.
The relation of soil moisture to the development of common scab of potato. Phytopath. 13: 231-236. illus. My.1923. no.5.

Stevens, F.L. and Dowell, R.I.
A Meliola disease of cacao. Phytopath. 13: 247-250. illus. Myc.1923. no.5.
Meliola guianensis, Helminthosporium guianensis n.sp.

Walker, J. C.
The hot water treatment of cabbage seed. Phytopath. 13: 251-253. My.1923. no.5.
Bibliographical foot-note
To control black-leg (Phoma lingam)

Proc. Amer. Wood Preserv. Assoc.
Snell, W. H.
The effect of heat upon wood destroying fungi in mills. Proc. Amer. Wood Preserv. Assoc. 18: 25-32. 1922.

Proc. Biol. Soc. Wash.
Blake, S. F.
A new Gymnocoronis from Mexico. Proc. Biol. Soc. Wash. v. 36, p. 179-180. My.1,1923.
Gymnocoronis sessilis Blake, sp. nov.

Maxon, W. R.
Occasional notes on old world ferns, I- Proc. Biol. Soc. Wash. v.36, p. 169-178. My.1,1923.
I. Ophioglossaceae. Schizaceae. Polypodiaceae.

Tidestrom, Ivar
New or noteworthy species of plants from Utah and Nevada. Proc. Biol. Soc. Wash. v.36, p.181-184. My.1,1923.

Demaree, J. B.
Latest developments in control of pecan scab. Proc. Nat. Pecan Grow. Assoc. 21: 16-23. 1922.
Bibliographical foot-notes

Firor, J. W.
Curing the pecan rosette. Proc. Nat. Pecan Grow. Assoc. 21: 45-47. 1922.

Quart. Journ. Ind. Tea Assoc.
Tunstall, A. C.
Notes on some fungus diseases prevalent during season of 1922. Quart. Journ. Ind. Tea Assoc. 1922, pt. 3, p. 115-123. 1922.

Rev. Fac. Agron. Univ. La Plata
Marchionatto, J. B.
Contribucion al estudio de los hongos parasitos del nispero del Japon. Rev. Fac. Agron. Univ. La Plata 15: 69-72. plates. 1923. no.1
Bibliographical foot-notes
Entomosporium mespilii, Phyllosticta eriobothryae

Marchionatto, J. B.
Notas sobre la S. japónica L. y la S. tomentosa L. Rev. Fac. Agron. Univ. La Plata. 15: 73-76. plate 1923. no.1
Bibliografias: p. 75-76.

Marchionatto, J. B.
Sobre la presencia de la Sclerotinia trifoliorum Erikss? en la R. Argentina. Rev. Fac. Agron. Univ. La Plata 15: 65-67. plates 1923. no.1
Bibliographical foot-notes

Rev. Vitic.
Colin, Henri
Contribution à l'étude physiologique de la greffe La migration de l'inuline dans les plantes greffées. Rev. Vitic. 58: 329-333 My.3,1923. no.1505.

Moreau, L. and Vinet, E.
Contribution à l'étude de l'apoplexie de la vigne et de son traitement Rev. Vitic. 58: 337-339 My.3,1923. no.1505

Rhodora

Evans, A. W.
Notes on New England Hepaticae XVII. Rhodora 25: 74-83 My.1923. no.293
Bibliographical foot-notes
Fossombronia brasiliensis, Bazzania tricrenata.

Fernald, M. L.
The identities of the sand cherries of Eastern America. Rhodora 25: 69-74 My.1923. no.293.
Bibliographical foot-notes.

Fernald, M. L.
Empetrum nigrum L., forma purpureum (Raf.) n. comb. Rhodora 25: 83. My.1923. no.293

Science

Kempton, J.H.
Erythrodextrin in maize. Science n.s. 57: 556-557. My.11,1923. no.1480.
Bibliographical foot-notes.

Scient. Agr.

Dickson, B. T.
Raspberry mosaic and curl. Scientific agriculture 3: 308-310. My.1923. no.9

Fraser, W.P. and Simmonds, P.M.
Co-operative experiments with copper carbonate dust and other substances for smut control. Scientific Agriculture 3: 297-302. My.1923. no.9
References: p.302.

Nelsall, A.
Experiments on the dust method of smut control. Scientific Agriculture 3: 303-307. My.1923. no.9.

Scient. Month.

Muller, H. J.
Observations of biological science in Russia. Scient. Month. 16: 539-552 illus. My.1923.

Soil Sci.

Newton, J. D.
A comparison of the absorption of inorganic elements, and of the buffer systems of legumes and non-legumes, and its bearing upon existing theories. Soil Sci. 15: 181-204. Mr.1923. no.3.
References: p. 203-204.

So. African Gard.

Dillistone, George
Garden irises of to-day. So. African Gard. 13: 125-128. illus. Ap.1923. no.4.

Svensk Bot. Tidskr.

Hennerz, Alf G.
Die waldgrenzen in den östlichsten teilen von Schwedisch-Lappland. Svensk. Bot. Tidskr. 17: 1-29. illus. 1923. no.1
Literaturverzeichnis: p.29.

Häyrén, Ernst
Förereningen och strandvegetationen I Helsingfors hammonrade. Svensk Bot. Tidskr. 17: 62-68. no.1 1923.

Thar. Forstl. Jahrb.

König, C.D.E.
Uber roträulebestände und deren behandlung. Thar. Forstl. Jahrb. 74: 63-74. 1923. no.2.

Thar. Forstl. Jahrb. (cont.)
Löffler, Bruno
- Beiträge zur entwicklungsgeschichte der weiblichen blüte, der beere und des ersten saugorgans der mistel (Viscum album L.) Thar. Forstl. Jahrb. 74: 49-62. 1923. no.2.
Bibliographical foot-notes

Tobacco, N. Y.
Jeter, F. H.
New facts about growing tobacco discovered by experimenting. Some recent results secured by scientific tests at the North Carolina experiment station are highly gratifying - The use of Dolomitic limestone urged as means to control "sand drown" - various important experiments being made. Tobacco, N.Y. 74: 61-63. illus. Mr.29,1923. no.22.

Trop. Agr.
Bertus, L. S.
Grey blight of tea and coconut: a comparative study. Trop. Agr. 60: 109-112. pl. xxiv-xxvi. F.1923. no.2.

Bryce, George
- Globular shoots and nodules in Hevea cortex. Trop. Agr. 60: 97-99. pl. xvi-xvii. F.1923. no.2

Bryce, George and Gadd, C. H.
Hevea selection. Trop. Agr. 60: 94-96. pl. xiv-xv. F.1923. no.2.

Bryce, George
The toxic effect of lime on Fomes lignosus Klotzsch. Trop. Agr. 60: 101-102. F.1923. no.2.

Gadd, C. H.
A possible physiological cause of "nut fall" of coconuts. Trop. Agr. 60: 112-114. F.1923. no.2.

Petch, Thomas
Black rot of tea. Trop. Agr. 60: 89-90. F.1923. no.2.

Petch, Thomas
Cercosporella leaf disease. Trop. Agr. 60: 87-89. pl. viii. F.1923. no.2.

Petch, Thomas
New diseases of Ceylon plants. Trop. Agr. 60: 129-130. F.1923. no.2.

Petch, Thomas
A root disease of Hevea. (Xylaria thwaitesii Cooke) Trop. Agr. 60: 100-101. pl. xviii-xx. F.1923. no.2.

Petch, Thomas
Weeds. Trop. Agr. 60: 125-126. pl. xli. F.1923. no.2.

Reeve, A. T.
The water hyacinth and its eradication in West Girawa Pattu. Trop. Agr. 60: 126-127. F.1923. no.2.

U. S. Dept. Agr. Bull.
Boyce, J.S.
Decays and discolorations in airplane woods. U. S. Dept. Agr. Bull. no. 1128. 51 p. illus., pl. i-vii. 1923.
Literature cited: p. 48-49.

Kearney, T.H.
Self-fertilization and cross-fertilization in Pima cotton. U. S. Dept. Agr. Bull. no.1134. 68 p. pl.i-vii. Ap.26,1923. (May 9,1923)

Vierteljahrsschr. Naturf. Ges. Zürich
Ernst, Alfred
Chromosomenzahl und rassenbildung. Vierteljahrsschr. Naturf. Ges. Zürich. 67: 75-108. 1922. no.1-2.
Literaturverzeichnis: p. 107-108.

Furrer, Ernst
Begriff und system der pflanzensukzession. Vierteljahrsschr. Naturf. Ges. Zürich. 67: 132-156. 1922. no.1-2.
Literatur: p. 155-156

Zeitschr. Bot.
Bauch, Robert
Über Ustilago longissima und ihre varietät Macrospora. Zeitschr. f. Bot. 15: 241-279. illus. pl.iii. 1923. no.5.
Zitierte literatur: p. 278.

Ubisch, G. von
Versuche über vererbung und fertilität bei hetero stylie und blütenfüllung. Zeitschr. f. Bot. 15: 193-232. illus., pl. ii. 1923. no.4
Literatur über Heterostylie: p. 230-231.
Literatur über blütenfüllung: p. 231-232.

Zeitschr. Gart. u. Obstb.
Löschnig, Josef
Die fleckenkrankheiten der obstgehölze und der gemüsepflanzen. Zeitschr. Gart. u. Obstb. 3: 5-7. illus. Ap.15,1923. no.4.
Bibliographical foot-note

Zeitschr. Pflanzenzucht.
Becker, Josef
Über vegetative bastardspaltung. Zeitschr. Pflanzenzücht. 8: 402-420. illus. D.1922. no.4.

Frimmel, Franz von
Über die vererbung der fruchtgrösse der tomaten. Zeitschr. Pflanzenzücht. 8: 457-462. D.1922. no.4
Bibliographical foot-notes

Fruwith, Carl
Zur hanfzüchtung. Zeitschr. Pflanzenzücht. 8: 340-401. illus. D.1922. no.4.
Bibliographical foot-notes.

Exper. Stat. Publ.
Kennedy, P. B.
Observations on some rice weeds in California. California Agr. Exp. Stat. Bull. no.356. p.467-494. illus. Ap.1923.

Exper. Stat. Publ. (cont.)
Runkin, W. H.
Running-out of raspberries. New York Agr. Exp. Stat. Circ. no.67. 12 p. 1923.
Bibliographical foot-note.

NEW BOOKS

Büren, Günthervon
Weitere untersuchungen über die entwicklungsgeschichte und biologie die protomycetaceen. 1922.
Inaug.-diss. Bern

Congrès de la production coloniale, Marseille, 1922.
Compte-rendus... Rapports et études Marseille, 1922.
Les plantes testiles et à papier; caoutchoucs et gommes; sucre et alcool; plantes stimulantes, médicinales et à parfums.

Cosnier, Henri
L'Afrique du Nord. Son avenir agricole et économique. Paris. 1922.

Muenscher, W. C. L.
Keys to woody plants. Ithaca, 1922.

Oudemans, C.A.J.A.
Enumeratio systematica fungorum. v.4. 1923.

Zimmermann, A.
Die cucurbitaceen heft 1-2. 1922.

Library, Bureau of Plant Industry
Current Author Entries, 1923, List 110.
Indexed May 21-Jo.2, 1923.

Agr. Gaz. Canada.
Güssow, Hans T
Mycological problems in manufacture and construction. Agr. Gaz. Canada. 10: 221-227. illus. My.-Je. 1923. no. 3

Ann. Missouri Bot. Gard.
Rosen, H. R.
A bacterial disease of foxtail (Chaetochloa lutescens) Ann. Missouri Bot. Gard. 9: 333-402. pl. 23-29. N. 1922. no. 4.
pl. 23-24 colored.
Bibliography: p. 385-388.
Pseudomonas alboprecipitans n.sp.

Young, H. C.
The toxic property of sulphur. Ann. Missouri Bot. Gard. 9: 403-435. N. 1922. no. 4.
Bibliography: p. 433-435.

Ann. Rep. State Entom. So. Dakota
Hutton, L. D.
Report of progress of barberry eradication campaign in South Dakota. Ann. Rep. State Entom. So. Dakota 13 (1921/22): 61-67. 1922

Arch. Entwicklungsmech. Org..
Tannreuther, G. W.
Nutrition and reproduction in Euglena. Arch. Entwicklungsmech. Org.. 97: 367-383. illus. Ap. 1923. no. 3/4
Literature cited: p. 383.

Austral. For. Journ.
Gardner, C. A.
Some tree-like plants of the lily family. Notes on Xanthorrhoea and Kingia. Austral. For. Journ. 6: 73-76. Mr. 1923. no. 3.

Bengal Agr. Journ.
Kar, P. C.
Short notes on cotton diseases. Bengal Agr. Journ. 11: 124-126. D. 1922. no. 3.

Ber. Deut. Pharm. Ges.
Emmanuel, Em.
Die attische "Komara" (Die beeren des erdbeerbaumes.) Ber. Deut. Pharm. Ges. 33: 95-96. Mr. 1923. no. 3.

Thoms, Hermann.
Die chemischen inhaltsstoffe der Rutaceen. Ber. Deut. Pharm. Ges. 33: 68-83. Mr. 1923. no. 3.
Bibliographical foot-notes.

Bot. Gaz.
Gericke, W. F.
Further notes on effect of extent of root systems on tillering of wheat. Bot. Gaz. 75: 320-322. My. 1923. no. 3.
Bibliographical foot-notes.

Hendricks, H. V.
Torsion studies in twining plants. II. Bot. Gaz. 75: 282-297. illus. My. 1923. no. 3.

Bot. Gaz. (cont.)

Muenscher, W. C.
Protein synthesis in Chlorella. Bot. Gaz. 75: 249-267. illus. My. 1923. no. 3.
Literature cited: p. 265-257.

Raber, Oran.
Permeability of the cell to electrolytes. Bot. Gas. 75: 298-308. My. 1923. no. 3.
Literature cited: p. 308.

Shull, C. A.
Delayed germination and catalase activity in Xanthium. Bot. Gaz. 75: 268-281. My. 1923. no. 3.
Literature cited: p. 281.
Contributions from the Hull botanical laboratory 304.

Tanner, F. W. & Ryder, Earl.
Action of ultraviolet light on yeast-like fungi. II. Bot. Gaz. 75: 309-317. My. 1923. no. 3.
Literature cited: p. 317.

Thurston, H. W.
Intermingling gametophytic and sporophytic mycelium in Gymnosporangium bermudianum. Bot. Gaz. 75: 225-248. illus., pl. xii-xiii. My. 1923. no. 3.
Literature cited: p. 246-248.

Bull. Dahlia Soc. California.

Mulkey, F. C.
Nematodes. Means of identification and methods of control. Bull. Dahlia Soc. California. no. 17. p. 2. Ag. 1922.

Bull. Dept. Agr. Trinidad & Tobago

Stell, Frank
A fungus disease of cabbage. Bull. Dept. Agr. Trinidad & Tobago. 20: 116. 1922. no. 2-4.

Williams, R. O.
Bougainvillaeas. Bull. Dept. Agr. Trinidad & Tobago. 20: 120-122. 1922. no. 2-4.

Bull. Inst. Sci. & Ind. Australia.

Archer, Ellinor
A classification and detailed description of the oats of Australia. Being the third report of the Special committee on seed improvement. Bull. Inst. Sci. & Ind. Australia no. 23. pl. i-iv. 1922.

Bull. Mus. Hist. Nat. Paris.

Guillaumin, André
Contribution à la flore de la Nouvelle-Calédonie. XXXIX. Plantes recueillies par M. Franc. Bull. Mus. Hist. Nat. Paris 28: 545-546. 1922. no. 7.
Eugenia pronyensis n.sp.

Guillaumin, André.
Palmiers nouveaux des serres du muséum. Bull. Mus. Hist. Nat. Paris 28: 542-544. 1922. no. 7.
Chamaedorea exorrhiza, C. biolleyi.

Bull. N. Y. State Mus.

Dearness, John & House, H. D.
New or noteworthy species of fungi. III. Bull. N. Y. State Mus. 243/244: 70-80. Mr./Ap. 1921. Issued My. 1923.

House, H. D.
Local flora notes VIII. Bull. N. Y. State Mus. 243/244: 13-58. Mr./Ap. 1921. Issued My. 1923.

House, H. D.
Nomenclatorial notes regarding certain New York state plants. Bull. N. Y. State Mus. 243/244: 58-70. Mr.-Ap. 1921. Issued My. 1923.

House, H. D.
Notes on fungi VIII. Bull. N. Y. State Mus. 243-244: 80-95. Mr./Ap. 1921. (My. 1923)

New York state botanist.
Report. 1921. Bull. N. Y. State Mus. 243/244. Mr./Ap. 1921. Issued My. 1923.

Bull. Torr. Club.

Hitchcock, Romyn
Tolypella lingicoma in Cayuga Lake, New York. Bull. Torr. Bot. Club. 50: 173-176. pl. 8. My. 19, 1923, no. 5.
Literature cited: p. 176.

Rydberg, Per Axel
Notes on Fabaceae. I. Bull. Torr. Bot. Club. 50: 177-187. My. 1923. no. 5.
Bibliographical foot-notes.
Homalobus Standleyi sp. nov.
Homalobus retusus, sp. nov.

Smith, C. P.
Studies in the genus Lupinus VIII. Lupinus nanus. Bull. Torr. Bot. Club. 50: 159-172. illus. My. 1923. no. 5.

Calif. Citrogr.

Bartholomew, E. T.
Alternaria rot of lemons. Calif. Citrogr. 8: 262, 293-294. illus. Je. 1923, no. 8.
Bibliographical foot-note.

Bartholomew, E. T.
Internal decline of lemons. Calif. Citrogr. 8: 264. illus. 1923. no. 8.

Blanchard, V. F. & Hodgson, R. W.
Re-building frost injured citrus trees--A progress report. Calif. Citrogr. 8: 263, 294-295. illus. Je. 1923. no. 8.

Compt. Rend. Acad. Sci. Paris

Houdas, J.
Sur la conservation des graines dans les gaz inertes. Compt. Rend. Acad. Sci. 176: 1407-1409. My. 14, 1923. no. 20.

Compt. Rend. Soc. Biol. Paris.

Lapicque, Louis & Kergomard, T.
Acidification par l'asphyxie chez les Spirogyres; réactions morphologiques consécutives. Compt. Rend. Soc. Biol. Paris. 88: 1081-1083. Ap. 28, 1923. no. 14.

Maige, A.
Variations du noyau pendant la digestion de l'amidon, a diverses températures, chez le haricot. Compt. Rend. Soc. Biol. Paris. 88: 1149-1152. My. 5, 1923. no. 15.

Contr. Labor. Bot. Univ. Montreal

Marie-Victorin, Fr.
Les filicinées du Québec. Contr. Labor. Bot. Univ. Montreal no. 2. 98 p. 1923.
Bibliographie: p. 89-93.

Country Life. London.

Bean, W. J.
The barberries I-II. Country Life. 53: 618-619, 676-677. illus. My. 5-19, 1923. no. 1374.

Deut. Landw. Presse.

Appel, Otto.
Rübenkrankheiten. Deut. Landw. Presse 50: 163. col. pl. My 5, 1923.

Gard. Chron.

Durham, H. E.
Birch logs and silver-leaf disease on plums. Gard. Chron. III, 73: 262. My. 12, 1923.

Savage, S.
Early botanic painters, 5. Painting in relation to the printed book. Gard. Chron. III, 73: 260-261. illus. My. 12, 1923.

Ussher, C. B.
The Durian. Gard. Chron. III, 73: 259. illus. My. 12, 1923.

Gard. Chron. Amer.

Bade, E.
Stimulating plant growth with carbon dioxide. Gard. Chron. Amer. 27: 121, 124. illus. My. 1923. no. 5.

Gard. Mag.

Saunders, A. P.
Tree-peonies in my garden and yours. Gard. Mag. 37: 258-261. illus. Je. 1923. no. 4.

Wilson, E. H.
Travel tales of a plant collector. VI. When the gardener sees South Africa. Gard. Mag. 37: 247-252. illus. Je. 1923. no. 4.

Wister, J. C.
What irises are best worth growing? Gard.Mag. 37: 243. Je. 1923. no. 4.

Gartenw.

Pape, Heinrich
Ein neuer schmarotzerpilz des schneeglöckchens. Gartenw. 27: 135. Ap. 27, 1923.

Urocystis galanthi n.sp. Description found in Arbeiten aus der Biologischen Reichsanstalt für land-und forstwirtschaft. v.11, no. 4. (not yet rec'd in Agr.)

Genetics

Clausen, R. E. & Goodspeed, T. H.
Inheritance in Nicotiana tabacum. III. The occurrence of two natural pariclinal chimeras. Genetics 8: 97-105. pl. 1. Mr. 1923. no.2.

Frost, H. B.
Heterosis and dominance of size factors in Raphanus. Genetics 8: 116-153. illus. Mr. 1923. no. 2.
Literature cited: p. 152-153.

Kakizaki, Yoichi
Linked inheritance of certain characters in the Adzuki bean. Genetics 8: 168-177. Mr. 1923. no. 2.
Literature cited: p. 177.

Shull, G. H.
Further evidence of linkage with crossing over in Oenothera. Genetics 8: 154-167. Mr. 1923. no. 2.
Literature cited: p. 167.

Woodworth, C. M.
Calculation of linkage intensities where duplicate factors are concerned. Genetics 8: 106-115. Mr. 1923. no. 2.
Literature cited: p. 115.
Papers from the Department of Genetics, Agr. Exp. Stat. Univ. of Wisconsin, no. 34.

Journ. Agr. Prat.

Mottet, Séraphim
Les graminées des prairies en terres moyennes. Journ. Agr. Prat. n.s. 39: 397-399. col.pl. i. My. 19, 1923. no. 20.

Journ. Amer. Soc. Agron.

Hayes, H. K.
Controlling experimental error in nursery trials. Journ. Amer. Soc. Agron. 15: 177-192. My. 1923.
Literature cited: p. 191-192.

Hendry, G. W.
Alfalfa in history. Journ. Amer. Soc. Agron. 15: 171-176. My. 1923. no. 5.

Kiesselbach, T. A.
Competition as a source of error in comparative corn yields. Journ. Amer. Soc. Agron. 15: 199-215. My. 1923. no. 5.

Journ. Coll. Agr. Hokkaido Imp. Univ.

Ito, Seiya
Uromyces of Japan. Journ.Coll. Agr. Hokkaido Imp. Univ. 11: 211-287. pl. vii-ix. D. 1922. no. 4.
U. viciae-unijugae n. sp.

Journ. Dept. Agr. Porto Rico

Matz, Julius
Dry top rot of sugar cane. A vascular disease. Journ. Dept. Agr. Porto Rico. v.6, no.3. p. 28-47. illus. Jl. 1922 (Rec'd May 1923) no. 3.
References cited: p. 47.

Matz, Julius.
Gumming disease of sugar cane. Journ. Dept. Agr. Porto Rico. v. 6, no. 3, p. 5-21. illus. col. plate. Jl. 1922 (Rec'd May 1923) no. 3.
References cited: p. 21.

Journ. Dept. Agr. Porto Rico (cont.)

Matz, Julius
Recent developments in the study of the nature of mosaic disease of sugar cane and other plants. Journ. Dept. Agr. Porto Rico v.6, no. 3. p. 22-27. illus. Jl. 1922 (Rec'd May 1923) no. 3.
References cited: p. 27.

Journ. Dept. Agr. So. Africa

Baker, E.
Two diseases of wheat. Journ. Dept. Agr. So. Africa. 6: 313-314. Ap. 1923. no. 4.
I. Flag smut or Tulp brand.

Lansdell, K. A.
Weeds of South Africa IX. The "Malta thistle." Journ. Dept. Agr. So. Africa. 6: 320-327. pl. i-vii. Ap. 1923. no. 4.

Journ. Hered.

Folsom, Donald
Mutations of the potato. Two somewhat unstable leaf-form sports of the Irish potato. Journ. Hered. 14: 45-48. illus. Ap. 1923. no. 1.
Literature cited: p. 48.

Jenkins, M. T.
A new method of self-pollinating corn. Journ. Hered. 14: 41-44. illus. Ap. 1923. no. 1.

Thayer, Paul
Raspberry breeding notes. Journ. Hered. 14: 13. illus. Ap. 1923. no. 1.

Journ. Indian Bot.

Arber, Agnes
On the leaf-tip tendrils of certain monocotyledons. Journ. Ind. Bot. Soc. 3: 159-169. pl. i-iii. Ap. 1923. no. 6.
List of references: p. 167.

Kashyap, Shiv Ram
A long-lost liverwort. Journ. Ind. Bot. Soc. 3: 181. Ap. 1923. no. 6.

Sabnis, T. S.
The flora of Sind. Journ. Ind. Bot. Soc. 3: 178-180. Ap. 1923. no. 6.

Tirunarayana Iyengar, M. O.
On the biology of the flowers of Monochoria. Journ. Ind. Bot. Soc. 3: 170-173. illus., pl. i-ii. Ap. 1923. no. 6.

Journ. N. Y. Bot. Gard.

Boynton, K. R.
Garden forms of Narcissus. Journ. N. Y. Bot. Gard. 24: 73-80. illus. Ap. 1923. no. 280.

Matières Grass.

Michotte, Félicien
Les palmiers producteurs d'huiles. Matières Grass. 15: 6354-6358, 6415-6418. 1923. no. 178, 181.

Meded. Landbouwhoogesch. Wageningen

Honing, J. A.
Canna crosses I Meded. Landbouwhoogsch. Wageningen v. 26, no.2, 55 p. 8 pl. (partly col.) 1923.

Meded. Phytop. Labor. Willie Comm. Scholt. Amst.

Schwarz, M. B.
Das zweigsterben der ulmen, trauerweiden und pfirsichbäume. Meded. Phytop. Labor. Willie Comm. Scholt. Amst. no.5 73 p. illus., pl. i-vii. D. 1922.
Graphium ulmi n.sp., Phoma intricans n.sp.
Litteraturverzeichnis: p. 73.

Mem. Dept. Agr. Inda Chem. Ser.

Tamhane, V. A.
Chemical studies on Safflower seed and its germination. Mem. Dept. Agr. India. Chem. Ser. 6: 223-244. Mr. 1923. no. 7.
Bibliography: p. 243-244.

Warth, F. J.
A note on hydrocyanic acid in the Burma bean (Phaseolus lunatus sp. Mem. Dept. Agr. India Che. Ser. 7: 1-29. F. 1923. no. 1.

Mitt. Deut. Dendrol. Ges.

Funk, Georg
Vergleichende beobachtungen über winterfrostsschädigungen an koniferen. Mitt. Deut. Dendrol. Ges. 32: 135-144. 1922.
Literatur: p. 144.
Bibliographical foot-notes.

Hartwig, K. G.
Populus canadensis Moench. und Populus monilifera Aiton. Mitt. Deut. Dendrol. Ges. 32: 170-172. illus. 1922.

Purpus, J. A.
Die holzigen lianen und ihre verwendung im garten und park. Mitt. Deut. Dendrol. Ges. 32: 147-170. 1922.

Schwerin, F. G. von
Die Douglasfichte. (Benennung, formenreichtum, winterhärte) Mitt. Deut. Dendrol. Ges. 32: 53-67. illus. 1922.
Bibliographical foot-notes.

Schwerin, F. G. von
Im volksmunde veranderte pflanzennamen. Mitt. Deut. Dendrol. Ges. 32: 67-73. 1922.
Bibliographical foot-notes.

Suringar, J. V.
Eine ulmenkrankheit in Holland. Mitt. Deut. Dendrol. Ges. 32: 145-147. illus. 1922.

Uphof, J. C. T.
Die Populus-arten im Südwesten der vereinigten staaten von Nordamerika. Mitt. Deut. Dendrol. Ges. 32: 172-175. pl. xi-xii. 1922.

Zimmermann, Walther
Eigenartige blütenverhältnisse bei Alnus und beobachtungen an Betula, Corylus und Carpinus. Mitt. Deut. Dendrol. Ges. 32: 112-134. illus. 1922.
Bibliographical foot-notes.

Mitt. Inst. Allg. Bot. Hamburg

Irmscher, Edgar
Pflanzenverbreitung und entwicklung der kontinente Studien zur genetischen pflanzengeographie. Mitt. Inst. Allg. Bot. Hamburg. 5: 17-235. pl. i-xii. 1922.
Literaturverzeichnis: p. 229-233.

Kränzlin, Friedrich W. L.
Mitteilungen aus dem herbar des Institute für allgemeine botanik. Mitt. Inst. Allg. Bot. Hamburg. 5: 237-240. 1922.
I. Ueber einige Orchideen.

Stoppel, Rose & Trumpf, C.
Beitrag zum problem der schlafbewegungen von Phaseolus multiflorus. Mitt. Inst. Allg. Bot. Hamburg. 5: 1-16. 1922.
Literatur: p. 16.

Mycologia

Murrill, W. A.
Sullivant's Ohio fungi. Mycologia 15: 150-151. My. 1923. no.3.

Reed, G. M.
Varietal resistance susceptibility of sorghums to Sphacelotheca sorghi (Link) Clinton and Shpacelotheca cruenta (Kühn) Potter. Mycologia. 15: 132-143. pl. xiv-xv. My. 1923. no. 3.
Literature cited: p. 141-142.

Shear, O. L.
Life histories and undescribed genera and species of fungi. Mycologia. 15: 120-131. illus., pl. xii-xiii. My. 1923. no. 3.
Bibliographical foot-notes.
Schizoparme g.n. S.Straminea sp. nov.; Fragosphaeria g.n. F. purpurea; Peridoxylon g.n.; Phyllostictina carpogena.

Vizioli, José
Some Pyrenomycetes of Bermuda. Mycologia 15: 107-118. pl. x-xi. My. 1923. no. 3.
Literature cited: p. 117-118.
Anthostomella rhizophorae, Eutypella linearis, Endothia coccolobii n.sp.

Mycol. Notes.

Lloyd, C. G.
Dr. Edward B. Sterling. Mycol. Notes. No.67, (v.7,no.2) p. 1137. port. Jl.1922.

Lloyd, C. G.
Professor Kingo Miyabe. Mycol. Notes. No. 67, (v.7,no.2) p. 1137. port. Jl.1922.

Nature

Gates, R. R.
Chloroplasts and cells. Nature 111: 635-636. My. 12, 1923. no. 2793.

Smith, H. G.
Chemical characteristics of Australian trees. Nature 111: 649-650. My. 12, 1923. no. 2793.
Abstract of address Sect. of chemistry, Austral. Assoc. Adv. Sci. Ja. 1923.

Nature Mag.

Brownell, L. W.
The American elm. Nature Mag. v.1, no. 6. p. 19-21. illus. Je. 1923. no. 6.

Notes R. Bot. Gard. Edinb.

Craib, W. G.
Regional spread of moisture in the wood of trees. III. I. Deciduous-leaved trees during the period late Autumn to early Spring (Contd.) Notes Roy. Bot. Gard. Edinb. 14: 1-8. col.pl. clxxx-cxc. Ja. 1923. no. 66.

Templeton, James.
The effect of late frost on the wood of Acer pseudoplatanus, Linn. Notes Roy. Bot. Gard. Edinb. 14: 9-12. pl. cxci-xcxiii. Ja. 1923. no. 66.
Bibliographical foot-note.

Notizbl. Bot. Gart. Berl.

Bitter, Georg
Beiträge zur kenntnis der gattung Sedum. Notizbl. Bot. Gart. Berlin 8: 281-284. F. 1923. no. 74.
Sedum nussbaumerianum Bitt. n.spec.

Bitter, Georg
Crassula reversisetosa Bitt. spec. nov. Notizbl. Bot. Gart. Berlin. 8: 301-302. F. 1923. no. 74.

Harms, Hermann
Passifloraceae africanae. Notizbl. Bot. Gart. Berlin. 8: 291-300. F. 1923. no. 74.
Adenia malangeana Harms. n.sp., Adenia stenodactyla Harms. n.sp.

Krause, Kurt
Zur kenntnis von Philodendron mamei André und Philodendron gloriosum André. Notizbl. Bot. Gart. Berlin. 8: 285-286. F. 1923. no. 74.

Markgraf, Fr.
Ephippiocarpa, eine neue gattung der Apocynaceen aus Sudostafrika, mit bestimmungsschlüssel der übringen afrikanischen tabernaemontaninae. Notizbl. Bot. Gart. Berlin. 8: 303-311. illus. F. 1923. no. 74.
Ephippiocarpa orientalis (Sp. Moore) Mgf. nov. comb., Callichilia macrocalyx Schellenb. n.sp.

Markgraf, Fr.
Eine neue Apocynacee aus Usambara. Notizbl. Gart. Berlin. 8: 287-288. F. 1923. no. 74.
Rauwolfia oreogiton Mgf. n. sp.

Mildbraed, Johannes
Georg Zenker. Notizbl. Bot. Gart. Berlin 8: 319-324. F. 1923. no. 74.

Mildbraed, Johannes.
Urticaceae africanae. Notizbl. Bot. Gart. Berlin. 8: 275-280. F. 1923. no. 74.
Urtica massaica Mildbr. n.sp., Fleurya funigera Mildbr. n.spec., Fleurya urophylla Mildbr. n.spec.

Notizbl. Bot. Gart. Berl. (cont.)

Pilger, R. K. E.
Eine neue Podocarpus-art aus Peru. Notizbl. Bot. Gart. Berlin. 8: 273-274. F. 1923. no. 74.
Podocarpus rospigliosii Pilger nov. spec.

Schlechter, Rudolf
Die gattung Seychellaria Hemsl. der Triuridaceen. Notizbl. Bot. Gart. Berlin. 8: 315-318. F. 1923. no. 74.
Seychellaria Perrierii Schltr. n. sp.

Schmidt, O. C.
Drei neue Phytolaccaceen aus Südamerika. Notizbl. Bot. Gart. Berlin. 8: 312-314. F. 1923. no. 74.
Phytolacca venezuelensis O.C. Schmidt n. sp., Ledenbergia peruviana O.C. Schmidt n.sp., Schindleria Weberbaueri O.C. Schmidt n.sp.

Schulz, O. E.
Eine neue Cardamine-art aus costarica. Notizbl. Bot. Gard. Berlin. 8: 328. F. 1923. no. 74.
Cardamine bradei O.C. Schulz n.sp.

Ulbrich, Eberhard
Ranunculaceae novae vel criticae. VI. Ramunculaceae peruvianae novae. Notizbl. Bot. Gart. Berlin. 8: 325-327. F. 1923. no. 74.
Clematis parvifrons Ulbrich n.sp.
Ranunculus arequipensis Ulbrich n.sp.

Wolf, Egbert
Eine neue flatterrüster. Notizbl. Bot. Gart. Berlin. 8: 289-290. F. 1923. no. 74.
Ulmus simplicidens Egb. Wolf spec. nov.

Nuovo. Giorn. Bot. Ital.

Cengia-Sambo, M.
Note di bio-chimica sui licheni. Nuovo. Giorn. Bot. Ital. 29: 89-104. illus. Ja.-O. 1922. no. 1/4.
Bibliographical foot-notes.

Chiovenda, Emilio
Le piante raccolte dal Dott. Ettore Bovone al Catanga nel 1918-1922. Nuovo Giorn. Bot. Ital. 29: 105-119. port. Ja.-O. 1922. no. 1/4.
Bibliographical foot-notes.

Cimini, Maria
Note di teratologia vegetale. Nuovo Giorn. Bot. Ital. 29: 29-43. illus. Ja.-O. 1922. no. 1/4.
Bibliographical foot-notes.

Gola, Giuseppe.
Le epatiche raccolte dal Dott. G.B. de Gasperi nella Terra del Fuoco sud-occidentale. Nuovo Giorn. Bot. Ital. 29: 162-173. pl. i-ii. Ja.-O. 1922. no. 1/4.
Bibliographical foot-note.

Guadagno, Michele
Note ed aggiunte alla flora dell' Isola di Capri. Nuovo Giorn. Bot. Ital. 29: 44-66. Ja.-O. 1922. no. 1/4.
Bibliographical foot-notes.

Nuovo. Giorn. Bot. Ital. (cont.)

Lacaita, C. C.
Piante italiane critiche o rare. LXXIV-LXXXIII. Nuovo. Giorn. Bot. Ital. 29: 174-194. illus. pl. iii-iv. Ja.-O. 1922. no. 1/4.

Pampanini, Renato.
Le "Spiraea lancifolia" Hoffmannsegg e "decumbens" Koch. Nuovo Giorn. Bot. Ital. 29: 67-88. Ja.-O. 1922. no. 1/4.
Bibliographical foot-notes.

Pampanini, Renato.
Stefano Sommier. Nuovo Giorn. Bot. Ital. 29: 5-28. port. Ja.-O. 1922. no. 1/4.
Bibliographical foot-notes.
Pubblicazioni e communicazioni di S. Sommier: p. 22-28.

Provasi, T.
Storia e distribuzione geografica della Androsace brevis (Heg.) Ces. Nuovo Giorn. Bot. Ital. 29: 120-141. illus. Ja.-O. 1922. no. 1/4.
Bibliographical foot-notes.

Orchid Rev.

Wilson, Gurney
Acinetas. Orchid Rev. 31: 147-148. My. 1923. no. 359.

Proc. Rochester Acad. Sci.

Fairman, C. E.
New or rare fungi from various localities. Proc. Rochester Acad. Sci. 6: 117-139. pl. 21-23. Ap. 1922. no. 4.
List of writings by the author: p. 135.

Quart. Journ. Ind. Tea Assoc.

Tunstall, A. C.
A few notes on disease treatment. Quart. Journ. Ind. Tea Assoc. 1922: 160-167. 1923. no. 4.

Queensl. Agr. Journ.

White, C. T.
Queensland trees. no. 19. The scrub beef-wood. Queensl. Agr. Journ. 19: 304-305. p. lxv. Ap. 1923. no. 4.

White, C. T.
Weeds of Queensland. no. 31. The rubber vine. (Cryptostegia grandiflora). Queensl. Agr. Journ. 19: 286. pl. lvii. Ap. 1923. no. 4.

Rec. Trav. Bot. Néerl.

Danser, B. H.
Fünf neue Rumex-bastarde. Rec. Trav. Bot. Néerl. 19: 293-308. pl. xii-xvi. 1922. no. 4.
Zitierte literatur: p. 306.

Haar, A. W. van der
Beitrag zur anatomie der Araliaceae. Die blätter und stengel von Aralia. montana Bl. Rec. Trav. Bot. Neerl. 19: 277-280. pl. ix. 1922. no. 4.

Valeton, Theodoric
Die gattung Coptosapelta Korth. Rec. Trav. Bot. Néerl. 19: 281-292. pl. x-xi. 1922. no. 4.
Coptosapelta Beccarii Va. n. sp.
Bibliographical foot-notes.

Rev. Agr. Santo Domingo.

Faris, J. A.
El mosáico de la caña de azúcar. Historia de esta enfermedad en la caña dominicana. Rev. Agr. Santo Domingo. 17: 73-76, 90-95, 105-108. N. 1922-Ja. 1923.
[Literature cited]: p. 76, 95.

Rev. Bryol.

Amann, J.
Fissidens mnevidis Amann, sp. nova. Rev. Bryol. 49: 51. 1922. no. 4.

Husnot, P. T.
Fernand Camus. Rev. Bryol. 49: 67-68. 1922 no. 4.

Potier de la Varde R.
Musci madurenses (Contribution à la flore bryologique de l'Inde méridionale) Rev. Bryol. 49: 33-44. pl. i-ii. 1922. no. 3.

Trabut, Louis.
Deux funariacées nouvelles. Rev. Bryol. 49: 64-65. illus. 1922.
Physcomitrium longicollum sp.nov.
Funaria deserticola sp.nov.

Riv. Patol. Veg.

Ciferri, R.
Ulteriori note sulla "carie" del pomodoro. Riv. Patol. Veg. 13: 33-36. Ap. 8, 1923. no. 3-4.
Bibliografia: p. 36.
Refers to his recently described n.sp. Phoma ferrarisii to P. destructiva.

Science.

Ball, E. D.
Agricultural research as a career. Science 57: 597-601. My. 25, 1923. no. 1482.

Gortner, R. A.
What is a plant? Science 57: 614. My.25, 1923. no. 1482.

Trans. Amer. Micros. Soc.

Plunkett, O. A., Young, P.A. & Ryan, R. W.
A systematic presentation of new genera of fungi. Trans. Amer. Micros. Soc. 42: 43-67. Ja. 1923. no. 1.
Bibliography: p. 65-67.

Trans. Bot. Soc. Edinb.

Smith, W. G.
Agricultural botany in the past fifty years. Trans. Bot. Soc. Edinb. 28: 77-84. 1922. no. 3.

Smith, W.W. & Small, James.
Formania: a new genus of the Compositae from Yunnan. Trans. Bot. Soc. Edinb. 28: 91-92. pl. ii. 1922. no. 3.
F. mekongensis.

Smith, W. W.
Notes on Chinese lilies. Trans. Bot. Soc. Edinb. 28: 122-160. pl. iv-vii. 1922. no.3.

Trans. Bot. Soc. Edinb. (cont.)

Smith, W. W. & Small, J.
Paraseneco: a new genus of the Compositae from China. Trans. Bot. Soc. Edinb. 28: 93-97. pl. iii. 1922. no. 3.
P. forrestii.

Smith, W. W.
William Carruthers, 1830-1922. Trans. Bot. Soc. Edinb. 28: 118-121. 1922. no. 3.

Trav. Sci. Univ. Rennes.

Daniel, Lucien
Premieres études sur l'action de l'eclairement unilatéral et des veres de couleur sur la tuberculisation de quelques plantes. Trav. Sci. Univ. Rennes. 16: 15-19. 1922.
Bibliographical foot-note

Daniel, Lucien.
Sur des hyperbioses de soleil & de topibambour. Trav. Sci. Univ. Rennes. 16: 28-36. pl. iv-viii. 1922.
Bibliographical foot-notes.

Daniel, Lucien.
Sur la formation de tubercules souterrains dans une greffe de topinambour sur soleil annuel. Trav. Sci. Univ. Rennes. 16: 12-14. pl. iii. 1922.
Bibliographical foot-note.

Daniel, Lucien.
Sur les variations provoquées chez quelques plantes par les changements du niveau de l'eau au cours de leur végétation. Trav. Sci. Univ. Rennes. 16: 1-11. 1922.
Bibliographical foot-notes.

Daniel, Lucien.
Variations de la résistance au froid chez des plantes greffées. Trav. Sci. Univ. Rennes. 16: 20-22. 1922.
Bibliographical foot-notes.

Ripert, Jean.
Recherches sur l'atropine et ses variations suivant les milieux. Trav. Sci. Univ. Rennes. 16: 37-41. 1922.
Bibliographical foot-notes.
8e note. Sur. les variations, avec l'age, des alcaloides dans la racine de la belladone greffee
9e note. Sur la disparition des alcoloides dans la belladonne.

Wagner, S.
Sur les menthes poivrées, provenant de Bois-de-Bretagne. Trav. Sci. Univ. Rennes. 16: 23-27. 1922.

U. S. Dept. Agr. Circ.

Davis, R. L.
Frost resistance in flax. U.S. Dept. Agr. Circ. no. 264. 8p. illus. My. 1923.

Verh. Zool.-Bot. Ges. Wien.

Demelius, Paula
Konidienbildung bie Boletus bovinus Kr.
Verh. Zool. Bot. Ges. 71: 11-112. illus.
1922.
Bibliographical foot-note.

Exper. Stat. Publ.

Peitersen, A. K.
Report of botanist. 1921/22. Colorado
Agr. Exp. Stat. Ann. Rep. 35th. 1921/22.

Illinois-Horticulture, Dept. of
Directions for spraying fruits in Illinois.
Illinois Univ. Agr. College & Exp. Stat. Circ.
no. 266. 16 p. illus. Ap. 1923.
This circular is a revision of Circular 212
originally published in March, 1918.

Tisdale, W. H., Dungan, G.H. & Leighty, C.E.
Flag smut of wheat, with special reference to
varietal resistance. Illinois Agr. Exp. Stat.
Bull. no. 242. p. 509-538. illus. Ap. 1923.
Literature cited: p. 538.

Martin, W. H.
Potato diseases in New Jersey and their control.
New Jersey Agr. Exp. Stat. Circ. 146. 32 p.
illus. Mr. 1923.

Chardón, C. E.
Report of the special pathologist, 1921/1922.
Ann. Rep. Insular Exp. Stat. Porto Rico. 1921/1922.
Investigations on sugar mosaic.

Crespo, M. A. & Catoni, L. A.
Restricciones legales al commercio de plantas en
Puerto Rico. Porto Rico Ins. Exp. Stat. Circ.
no. 27. 20 p. 1923.
Bibliographical foot notes.

Griffith, J. P.
The avocado in Porto Rico. Porto Rico Insular
Exp. Stat. Circ. no. 72. 41 p. illus. Ja. 1923.
Bibliography: p. 40-41.

Matz, Julius.
Report of the Division of plant pathology and
botany, 1921/1922. Ann. Rep. Insular Exp. Stat.
Porto Rico. 1921/1922.

Geise, F. W., Zimmerly, H.H., & Spencer, Herbert.
Spraying and dusting vegetable crops in 1922.
Virginia Truck Exp. Stat. Bull. 41: 237-256.
illus. 1922.

New Books.

Bald, Claud.
Indian tea, its culture and manufacture. 4th ed.
Calcutta, 1922.
Tea blights: p. 166-196.

New Books (cont.)

Bose, Sir. J. C.
The physiology of the ascent of sap. London, 1923 (Bose Research Inst. Transactions v. 5)

Gimlette, J. D.
Malay poisons and charm cures. 2d ed. London, 1923.
Poisons obtained...from jungle plants & other poisons of vegetable origin. p. 137-223.
App. II. Classification in natural orders of the poisonous plants.

Hamblin, S. F.
List of plant types for landscape planting. Cambridge, Mass., 1923.

Lecomte, Henri.
Madagascar. Les bois de la forêt d'Analamazaotra...avec la collaboration de M. Paul Danguy... pour la détermination des espèces. Paris. 1922.

Lloyd, C. G.
Mycological notes no. 67. p. 1137-68. pl. 203-217. Jl. 1922 (His Mycological writings v.7, no.2).

Onslow, M. W.
Practical plant biochemistry. 2d ed. 1923.

Das pflanzenreich...heft 82 Compositae-Hieracium Abt.II,sect XL-, Pilosellina - sect. XLVII Praealtina. Addenad et corrigende... register. Von K. H. Zahn. F. 1923.

Uppsala universitet
Bref och skrifvelser af och till Carl von Linné 1. afg., del VIII. Bref till och fran Sevenska enskilda personer Kalm-Laxman, utgifna... af J.M. Hulth. 1922.

Library, Bureau of Plant Industry
Current Author Entries, 1923, List 111.
Indexed Je. 4-Je. 16, 1923.

Agric. Colon.

Ceresa, Giovanni
Cenni sulle principali piante cauccifere. Agric. Colon. 17: 180-185. My. 1923. no. 5.

Amer. For.

Anderson, K. P.
Flowering trees and shrubs of the Lower Rio Grande. Amer. For. 29: 351-358, 377. illus. Je. 1923. no. 354.

Cope, J. A.
Loblolly pine on the "Eastern shore." Amer. For. 29: 368-371. illus. Je. 1923. no. 354.

Detwiler, S. B.
Spare the currant and spoil the pine. How the little currant bush, one-time neighborly neighbor of the white pine, is harboring a traitor of the forests. Amer. For. 29: 337-340. illus. Je. 1923. no. 354.

Ann. Rep. Dept. Agr. Bombay.

Ajrekar, S. L.
Annual report of the work done under the plant pathologist 1921/22. Ann. Rep. Dept. Agr. Bombay Pres. 1921/22. p. 102-104. 1923.

Ber. Deut. Chem. Ges.

Freudenberg, Karl & Purrmann, Ludwig.
Mitteilung über gerbstoffe und ähnliche verbindungen. XIII. Raumisomere catechine, III. Ber. Deut. Chem. Ges. 56: 1185-1194. 1923.
Bibliographical foot-notes.

Biochem. Zeitschr.

Butkewitsch, Wl.
Ueber den verbrauch und die bildung der citronensäure in den kulturen von Citromyces glaber auf zucker. Biochem. Zeitschr. 131: 338-350. 1922. no. 3/4.
Bibliographical foot-notes.

Butkewitsch, Wl.
Ueber die bildung der citronen- und oxalsäure in den citromyces-kulturen auf zucker und das verfahren zur quantitativen bestimmung dieser säuren. Biochem. Zeitschr. 131: 327-337. 1922. no. 3/4.
Bibliographical foot-notes.

Iwanoff, L. A.
Ueber den einfluss der temperatur auf die chlorophyllzersetzung durch das licht. Biochem. Zeitschr. 131: 140-144. Jl. 1922. no. 1/2.
Bibliographical foot-note.

Bot. Not.

Arnell, H. W.
Bryum (Cladodium) vestamannum Arnell, nova species. Bot. Not. 1923. p. 293-294. no. 3.

Bot. Not. (cont.)

Du Rietz, G. E.
Der kern der art-und assoziationsprobleme. Bot. Not. 1923. p. 235-256. no. 3.
Literaturverzeichnis: p. 256.

Fries, T.C.E.
Eine neue riesen-lobelia vom Mt. Elgon. Bot. Not. 1923. p. 295-298. illus. no. 3.
L. fenniae.

Henriksson, J.
Om Corylus avellana. Supplement II. Bot. Not. 1923. p. 280-284. illus. no. 3.

Kylin, Harald.
Vaxtsociologiska randanmärkningar. Bot. Not. 1923. p. 161-234. no. 3.
Anförd litteratur: p. 233-234.

Samuelsson, Gunnar.
Tvenne polygonum-arter och deras utbredning i Skandinavien. Bot. Not. 1923. p. 257-279. maps.
Bibliographical foot-notes.

Bull. Misc. Inform. Kew.

Burtt-Davy, Joseph & Hutchinson, J.
A revision of Brachystegia. Bull. Misc. Inform. Kew. 1923. p. 129-163. illus., pl. ii. 1923. no. 4.
References: p. 163.

Diagnoses africanae. LXXVII. Bull. Misc. Inform. Kew. 1923. p. 180-185. no. 5.

Hillier, J. M.
Quebracho Colorado. Bull. Misc. Inform. Kew. 1923. p. 191-192. no. 5.

Hughes, D. K.
Streptolophus, a new genus of Gramineae. Bull. Misc. Inform. Kew. 1923. p. 177-180. illus. no. 5.

Riley, L. A. M.
Contributions to the flora of Sinaloa. II. Bull. Misc. Inform. Kew. 1923. p. 163-175. 1923. no. 4.

Turrill, W. B.
Xanthium spinosum in neolithic deposits in Bulgaria. Bull. Misc. Inform. Kew. 1923. p. 190-191. no. 5.

Bull. Soc. Chim. Biol.

Braecke, Marie.
Sur la présence d'aucubine et de mannite dans les tiges foliées de Rhinanthus crista-galli L. Bull. Soc. Chim. Biol. 5: 258-262. Mr. 1923. no. 3.
Bibliographical foot-notes.

Compt. Rend. Acad. Agr. France.

Chabrolin, C.
Les bouillies cupriques et les bouillies sulfo-calciques en viticulture. Compt. Rend. Acad. Agr. France. 9: 476-479. My.16, 1923. no. 17.

Schribaux, Emile.
Sur la fragmentation des tubercules de pommes de terre de semence. Compt. Rend. Acad. Agr. France. 9: 467-468. My. 16, 1923. no. 17.

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

Truelle, A.
Les origines du poiré. Compt. Rend. Acad. Agr. France 9: 455-463. My. 16, 1923. no. 17.

Compt. Rend. Acad. Sci. Paris.

Colin, Henri.
Sur les prétendues dextrines de réserve des monocotylédones. Compt. Rend. Acad. Sci. Paris. 176: 1493-1495. My. 22, 1923. no. 21.
Bibliographical foot-notes.

Coupin, Henri.
Quelques remarques sur la locomotion des oscillaires. Compt. Rend. Acad. Sci. Paris. 176: 1491-1493. My. 22, 1923. no. 21.
Bibliographical foot-notes.

Dubois, Raphäel.
Sur la toxicité du cuivre à l'égard des moisissures. Compt. Rend. Acad. Sci. Paris. 176: 1498-1500. My. 22, 1923. no. 21.
Bibliographical foot-notes.

Litardière, René de.
Remarques sur la fixation au liquide de Merkel et sur certaines strucutres nucléaires soi-disant provoquées par les fixateurs à base d'acide osmique. Compt. Rend. Acad. Sci. Paris. 176: 1495-1498. My. 22, 1923. no. 21.

Souèges, René.
Embryogénie des Géraniacées. Développement de l'embryon chez l'Erodium cicutarium l'hérit. Compt. Rend. Acad. Sci. Paris. 176: 1565-1567. My. 28, 1923. no. 22.

Country Life. London.

Bean, W. J.
The barberries, III. Country Life. 53: 712-713. illus. My. 26, 1923. no. 1377.

Crump, W. B.
A protection and a peril I. Country Life. 53: 722-726. illus. My. 26, 1923. no. 1377.
Sand dunes.

Deut. Obstb. Zeit.

Höstermann, G. & Noack, K.
Die bekämpfung des apfelmehltaues. Deut. Obstb. Zeit. 69: 162. My. 25, 1923. no. 21.

Ecology.

Burns, G. P.
Measurement of solar radiant energy in plant habitats. Ecology. 4: 189-195. Ap. 1923. (Rec'd June.) no. 2.
Literature cited: p. 195.

Cooper, W. S.
The recent ecological history of Glacier Bay, Alaska: I. The interglacial forests of Glacier Bay. Ecology. 4: 93-128. illus., fold. map. Ap. 1923. (Rec'd June.) no. 2.
Literature cited: p. 127-128.

Ecology (cont.)

Fuller, G. D.
An edaphic limit to forests in the prairie region of Illinois. Ecology 4: 135-140. maps. Ap. 1923. (Rec'd June. 1923.). no. 2.
Literature cited: p. 140.

Hensel, R. L.
Recent studies on the effect of burning on grassland vegetation. Ecology. 4: 183-188. illus. Ap. 1923 (Rec'd June.) no. 2.

Nichols, G. E.
A working basis for the ecological classification of plant communities. II. Ecology. 4: 154-179. Ap. 1923 (Rec'd June.) no. 2.
Literature cited: p. 178-179.

Phillips, E. F.
The honey crop from introduced plants. Ecology. 4: 180-182. Ap. 1923. (Rec'd June.) No. 2.
Bibliographical foot-note.

Farm & Gard.

V , E. R.
Wild flowers of Arizona. Farm & Gard. 10: 7-10. Je. 1923. no. 12.

Garden.

Ingwersen, W. E. E.
The Pasque flower, an account of it as a native plant. Garden. 87: 249-250. illus. My. 19, 1923. no. 2687.

Irving, Walter.
The hardy daphnes. Garden. 87: 255-256. illus. My. 26, 1923. no. 2688.

Somers.
Fragrant foliage II. Garden. 87: 249, 264-265. illus. My. 19, 26, 1923.

Gard. Chron.

Durham, H. E.
Disease resistance and a copper hypothesis. Gard. Chron. III, 73: 276. My. 19, 1923. no. 1899.

Grove, Arthur.
Lilies. Gard. Chron. III, 73: 274-276. illus. My. 19, 1923. no. 1899.
Bibliographical foot-notes.
Lilium stewartianum Balf.f. et W.W. Sm. sp. nov.

Wilson, E. H.
Sanguinaria canadensis var. multiplex. Gard. Chron. III, 73: 283. illus. My. 26, 1923. no. 1900.

Journ. Agr. Res.

Artschwager, E. F.
Anatomical studies on potato-wart. Journ. Agr. Res. 23: 963-967. pl. i-v. Mr. 24, 1923. no. 12. (Je. 6, 1923.) no. 12.
Literature cited: p. 967.

Bates, C. G.
Physiological requirements of Rocky Mountain trees. Journ. Agr. Res. 24: 97-164. pl. i-vii. Ap. 14, 1923. (June 12, 1923.) no. 2.
Literature cited: p. 163-164.

Journ. Agr. Res. (cont.)

Breazeale, J. F.
Nutrition of plants considered as an electrical phenomenon. Journ. Agr. Res. 24: 41-54. Ap. 7, 1923 (Je. 8, 1923.) no. 1.

Krantz, F. A.
Permanence of variety in the potato. Journ. Agr. Res. 23: 947-961. pl. i. Mr. 24, 1923. (Je. 6, 1923). no. 12.
Literature cited: p. 959-961.

Martin, R. D. & Loomis, H. F.
Summer irrigation of Pima cotton. Journ. Agr. Res. 23: 927-946. Mr. 24, 1923 (Je. 6, 1923.) no. 12.
Bibliographical foot-notes.

Milbrath, D. G.
Downy mildew on lettuce in California. Journ. Agr. Res. 23: 989-993. pl. i-iii. Mr. 24, 1923. (Je. 6, 1923.) no. 12.
Literature cited: p. 993.

Tisdale, W. B.
Influence of soil temperature and soil moisture upon the Fusarium disease in cabbage seedlings. Journ. Agr. Res. 24: 55-86. pl. i-ii. Ap. 7, 1923. (Je. 8, 1923.) no. 1.

Weimer, J. L. & Harter, L. L.
Temperature relations of eleven species of Rhizopus. Journ. Agr. Res. 24: 1-40. Ap. 7, 1923 (Je. 8, 1923.) no. 1.
Literature cited: p. 39-40.

Winkler, A. J.
A study of the internal browning of the yellow Newtown apple. Journ. Agr. Res. 24: 165-184. pl. i. Ap. 14, 1923 (Je. 12, 1923.) no. 2.
Literature cited: p. 184.

Journ. Bot. Soc. So. Afr.

Bolus, Louisa (Kensit)
The native trees and tree-shrubs of Kirstenbosch Journ. Bot. Soc. So. Africa. 9: 7-11. pl. i-ii. 1923.
Bibliographical foot-notes.

Bolus, Louisa (Kensit)
South African iridaceae. Journ. Bot. Soc. So. Africa. 9: 15-18. pl. iii. 1923.

Mathews, J. W.
The cultivation of South African iridaceae. Journ. Bot. Soc. So. Africa. 9: 18-20. 1923.

Stephens, Edith.
Carnivorous plants of the Cape peninsula. Journ. Bot. Soc. So. Africa. 9: 20-24. pl. iv. 1923.

Journ. For.

Bernhard Eduard Fernow. Journ. For. 21: 305-348. port. Ap. 1923.
Consists of appreciations by many persons. Chronological events in the life of B. E. Fernow. List of writings of Dr. Fernow.

Journ. For. (cont.)

Sudworth, G. B.
The technical nomenclature of North American trees. Journ. For. 21: 391-396. Ap. 1923. no. 4.

Tiemann, H. D.
Forest conditions in Australia with special reference to Victoria. Journ. For. 21: 349-368. map. Ap. 1923. no. 4.

Toumey, J. W. & Durland, W. D.
The effect of soaking certain tree seeds in water at greenhouse temperatures on viability and the time required for germination. Journ. For. 21: 369-375. Ap. 1923. no. 4.

Journ. Gold Coast Agr. & Comm. Soc.

Bunting, R. H.
Mealy pod disease - A new foe to cocoa. Journ. Gold Coast Agr. & Comm. Soc. 2: 92-94. pl. iii. Ma.-Mr. 1923. no. 2.

Journ. Hered.

Collins, G. N.
An ear of prehistoric maize that resembles the fossil form, Zea antiqua. Journ. Hered. 14: 61-64. illus. My. 1923. no. 2.
Bibliographical foot-notes.

Connors, C. H.
Twin and triplet peaches. Journ. Hered. 14: 89-92. illus. My. 1923. no. 2.
Bibliographical foot-notes.

Cook, O. F.
Evolution of compound leaves in walnuts and hickories. Variations showing that lateral leaflets correspond to stipules of bud-scales. Journ. Hered. 14: 77-88. illus. My. 1923. no. 2.
Bibliographical foot-notes.

Debbarman, P. M.
A floral abnormality of the Indian water lily. Prolification and phyllomorphy in Nymphaea rubra. Journ. Hered. 14: 96. illus. My. 1923.

Journ. & Proc. Roy. Soc. West. Austr.

Cayzer, A.
Darwinia pimelioides, n.sp. Journ. & Proc. Roy. Soc. Western Australia. 8: 40-41. illus. 1922.

Herbert, D. A.
Contributions to the flora of Western Australia IV. Journ. & Proc. Roy. Soc. West. Australia. 8: 35-41. illus. 1922.
Darwinia thryptomenioides, Melaleuca commonicarpa, Pultenaea astipulea, Jacksonia hemisericea Logania tortuosa, n.sp.

Journ. Malayan Br. Roy. Asiatic Soc.

Burkill, I. H.
Notes on dipterocarps. no. 9. On difference in the seedlings between Balanocarpus maximus, King, and B. Heimii, King. Journ. Malayan. Br. Roy. Asiatic Soc. 1: 218-222. illus. Ap. 1923. no. 87.

Journ. Malayan Br. Roy. Asiatic Soc. (cont.)

Burkill, I. H.
A record of the occurrence of some ferns in northern Sumatra, being additions to Mr. Ridley's list. Journ. Malayan Br. Roy. Asiatic Soc. 1: 114-115. Ap. 1923. no. 87.

Merrill, E. D.
New or noteworthy Bornean plants. III. Journ. Malayan Br. Roy. Asiatic Soc. 1:22-45. Ap. 1923. no. 87.

Ridley, H. N.
A botanical excursion to northern Sumatra. Journ. Malayan Br. Roy. Asiatic Soc. 1: 46-113. Ap. 1923. no. 87.

Journ. N.Y. Bot. Gard.

Britton, N. L.
Botanical exploration of Porto Rico and the Virgin Islands. Journ. N.Y. Bot. Gard. 24: 93-99. My. 1923. no.281.
Bibliographical foot-notes.

Journ. Soc. Nat. Hort. France.

Gérôme, Joseph.
Au sujet des glaieuls et de leur reproduction asexuee (par Caieux). Journ. Soc. Nat. Hort. France IV, 24: 154-156. Ap. 1923.

Gérôme, Joseph.
Au sujet des plantes a fleurs doubles. Journ. Soc. Nat. Hort. France IV, 24: 143-153. Ap. 1923.

Riviere, Gustave & Pichard, Georges.
La chlorose des rabres fruitiers et l'efficacite persistante du pyrophosphate de fer citro-ammoniacal pour la combattre. Journ. Soc. Nat. Hort. France. IV, 24: 157-158. Ap. 1923.

Journ. Wash. Acad. Sci.

Hitchcock, A. S.
Dissanthelium, an American genus of grasses. Journ. Wash. Acad. Sci. 13: 223-225. Je.4, 1923. no. 11.

Landtm. Tids. Landtm.

Henning, Ernst.
Svartrostproblemet. Landtm. Tids. Landtm. 6: 349-351. My.26, 1923. no. 21.

Louisiana Plant.

Bruner, S. C.
Mosaic and other cane diseases and pests in Cuba. Louisiana Plant. 70: 452-455. illus. Je.2, 1923: no. 22.

Calvino, Mario.
Recent work on sugar cane at the Agricultural experiment station of Cuba. Louisiana Plant. 70: 448-451. illus. Je.2, 1923. no. 22.

Meded. Koffiebessenboeb.-finds.

Friedrichs, Karl. & Bally, W.
Over de parasitische schimmels die den koffiebessenboeboek dooden. Meded. Koffiebessenboeb.-finds 6: 103-147. v pl. Ja. 1923.
Botrytis stephanoderis, Spicaria javanica n.sp.
English summary: p. 146-147.

Friederichs, Karl.
Verdere mededeelingen over de schimmel Botrytis stephanoderis. Meded. Koffiebessenb.-finds. no. 7: 134-139. Ap. 1923.
B. stephanoderia parasitic on coffee beetle.

Mem. Soc. Vaud. Sci. Nat.

Jaccard, Paul.

La chorologie sélective et sa signification pour la sociologie végétale. Mem. Soc. Vaud. Sci. Nat. 2: 81-107. 1922.

Bibliographical foot-notes.

Missouri Bot. Gard Bull.

. The hawthorn, the official state flower. Missouri Bot. Gard. Bull. 11: 45-55. pl. x-xi. My. 1923. no. 5.

Plant labels in use at the Missouri botanical garden. Missouri Bot. Gard. Bull. 11: 55-58. pl. 12-13. My. 1923. no.5.

Nachrichtenbl. Deut. Pflanzenschutzd.

Esmarch, F.

Neuere anschauungen über die blattrollkrankheit der kartoffel. Nachrichtenbl. Deut. Pflanzenschutzd. 3: 25-26. Ap.1, 1923. no. 4.

Naturwissenschaften.

Metzner, Paul.

Studien über die bewegungsphysiologie niederer organismen. Naturwissenschaften. 11: 365-372, 395-399. My.25, 1923. no. 20-21.

Literatur: p. 398-399.

New Phytol.

Crow, W. B.

The taxonomy and variation of the genus Microcystis in Ceylon. New Phytol. 22: 59-68. pl. i. My.19, 1923. no. 2.

Literature cited: p. 68.

Microcystis protocystis, M. pseudofilamentosa n. sp.

Ghose, S. L.

An example of leaf-enation in Allium ursinum L. New Phytol. 22: 49-58. illus. My.19, 1923. no.2.

Literature cited: p. 58.

Griffiths, B. M.

Tetraedroides spetsbergensis gen. et sp. nov., a new alga from Spitzbergen. New Phytol. 22: 69-71. p. ii. My.19, 1923. no. 2.

Stiles, Walter.

Permeability. XII. Quantitative relations in the penetration of dissolved substances into plant cells. New Phytol. 22: 72-94. My.19, 1923. no.2.

Turrill, W. B.

Convolvulus nitidus Boiss., from the Balkan Peninsula. New Phytologist. 22: 95-96. My.19, 1923. no.2.

New Zeal. Journ. Agr.

Aston, B. C.

The poisonous, suspected, and medicinal plants of New Zealand. New Zeal. Journ. Agr. 26: 230-232. Ap.20, 1923. no. 4.

Curtis, K. M.

Two fungal diseases of the blue lupin. New Zeal. Journ. Agr. 26: 240-246. illus. Ap.20, 1923. no.4.

Oester. Zeitschr. Kartoffelb.

Claus, Eugen, Röck, Gustav & Janchen, Erwin.
Neuere erfahrungen über den einfluss von uspulun und uspulunbolus auf die kartoffelerträge. Oester. Zeitschr. Kartoffelb. 2: 29-30. F.17, 1923. no. 8.

Papers & Proc. R. Soc. Tasmania.

Dixon, H. N. & Rodway, L.
On Phascum tasmanicum. Papers & Proc. Roy. Soc. Tasmania. 1922. p. 25-26. illus. 1923.

Rodway, Leonard.
Some additions to our recorded flowering plants. Papers & Proc. Roy. Soc. Tasmania. 1922. p. 77-78. pl. viii. 1923.
Caladenia atkinsoni n.sp.

Wakefield, F. W.
A biometric study of the conidia of Macrosporium and Alternaria. Papers & Proc. Roy. Soc. Tasmania. 1922. p. 27-31. 1923.

Perfum. & Essent. Oil Rec.

Merrin, A. C.
Ocimum gratissimum as thymol source. Perfum. & Essent. Oil Rec. 14: 154-156. illus. My. 1923. no.5.
Resumé of G. Blaque's Les plantes a thymol.

Penfold, A. R.
The essential oils of two species of Homoranthus and the occurrence of ocimene. Perfum. & Essent. Oil Rec. 14: 145-148. My. 1923. no. 5.

Pharm. Journ.

Standley, P. C.
The Tambor tree of Salvador. Pharm. Journ. 110(s.4,v.56): 479-480. My.26, 1923. no. 3110.
Omphalea oleifera.

Proc. Iowa Acad. Sci.

Cavanagh, L.M.
Notes on the genus Catharinaea in Iowa. Proc. Iowa Acad. Sci. 28: 223-224. [1923?]

Conard, H.S. & Ellsworth, Winifred.
Key to the families of flowering plants of Central Iowa. Proc. Iowa Acad. Sci. 28: 305-316. [1923]

Cratty, R. I.
Dr. Rudolph Gmelin and his collection of Minnesota, Wisconsin and Iowa plants. Proc. Iowa Acad. Sci. 28: 247-255. pl. ix. [1923?]

Cratty, R. I.
Two additions to our list of Cruciferae. Proc. Iowa Acad. Sci. 28: 256-261. illus. [1923?]

Pammel, L.H.
Shrubs of the McGregor district. Proc. Iowa. Acad. Sci. 28: 268-271. [1923?]

Proc. Iowa Acad. Sci. (cont.)

Pammel, L. H. & King, C.M.
Studies in the germination of some weed plants. Proc. Iowa Acad. Sci. 28: 273-282. illus. [1923?]

Pammel, L.H.
Trees of the proposed Mississippi Valley national park. Proc. Iowa Acad. Sci. 28: 265-267. [1923?]

Raeder, J.M.
Studies of the Phycomycetes of Iowa. Proc. Iowa Acad. Sci. 28: 283-291. [1923?]
Bibliography: p. 291.

Shimek, Bohumil.
The genus Ceanothus L. in Iowa. Proc. Iowa Acad. Sci. 28: 230-242. pl. viii. [1923?]
Bibliography: p. 239-241.

Shimek, Bohumil.
The use of common names for plants. Proc. Iowa Acad. Sci. 28: 225-229. [1923?]
Bibliographical foot-note.

Wylie, R. B.
Concerning the capacity of foliage leaves to withstand wounding. Proc. Iowa Acad. Sci. 28: 293-304. [1923?]

Proc. Roy. Soc. Edinb.

Bower, F. O.
The primitive spindle as a fundamental feature in the embryology of plants. Proc. Roy. Soc. Edinb. 43: 1-36. illus. 1923. no.1.

Bower, F. O.
The relation of size to the elaboration of form and structure of the vascular tracts in primitive plants. Proc. Roy. Soc. Edinb. 43: 117-126. 1923. no. 1.

Proc. State Hort. Assoc. Pennsylvania.

McCubbin, W. A.
Apple fruit spots. Proc. State Hort. Assoc. Pennsylvania. 64: 137-139. 1923.

Mason, A. F.
Garden culture of blueberries. Proc. State Hort. Assoc. Pennsylvania. 64: 20-22. illus. 1923.

Orton, C. R.
Relation of the so-called winter injury at the collar of apple trees to fire-blight. Proc. State Hort. Assoc. Pennsylvania. 64: 36. 1923.

Rev. Bot. Appl.

Choux, Pierre.
Les asclépiadacées à tubercules à Madagascar. Rev. Bot. Appl. 3: 252-257. Ap. 1923. no. 20.
Bibliographical foot-notes.

Cramer, P. J. S.
La culture de la patate à Java. Rev. Bot. Appl. 3: 233-241. Ap. 1923. no.20.
Bibliographical foot-notes.

Dufrénoy, Jean.
La lutte contre les maladies des plantes par la sélection des races immunes. Rev. Bot. Appl. 3: 241-246. Ap. 1923. no.20.
Bibliographical foot-notes.

Rev. Bot. Appl. (cont.)

Leplae, Edmond.
Le succès de l'hévéa au Congo belg. Calcul des frais de culture. Rev. Bot. Appl. 3: 247-252. Ap. 1923. no. 20.

Wildeman, Emile de.
Recherches relatives au palmier à huile. Rev. Bot. Appl. 3: 265-270. Ap. 1923. no. 20.
Bibliographical foot-note.
Review of A.A.L. Rutgers. Investigations on oil-palms. 125 p. xix pl. 1922.

Rev. Gén. Bot.

Carpentier, A.
Revue des travaux de paléontologie végétale publiés dans le cours des années 1910-1919. pt.1. (fin) Rev. Gen. Bot. 35: 201-208. Ap.1923. no.412.
Bibliographical foot-notes.

Choux, Pierre
Revue des travaux de botanique tropicale et sub-tropicale (1910-1919) (suite) Rev. Gen. Bot. 35: 196-200. Ap.1923. no.412.
Bibliographical foot-notes.

Davy de Virville, Adrien and Obaton, Fernand
Etude biologique de l'épanouissement des fleurs. Rev. Gen. Bot. 35: 161-185. pl. iii-v. Ap.1923. no.412.
Bibliographical foot-notes.

Jacob de Cordemoy, H.
Contribution a l'étude de la morphologie, de l'anatomie comparée, de la phylogénie et de la biogéographie des Casuarinacées (suite) Rev. Gén. Bot. 35: 186-195. Ap.1923. no.412.

Rev. Vitic.

Gard, Médéric
L'apoplexie de la vigne. Les moyens de la combattre et d'y remédier. Rev. Vitic. 58: 399-401. My. 31, 1923. no.1509.

Riv. Biol.

Pollacci, Gino
Sulla nomenclatura di specie dedicate a persone. Riv. Biol. 5: 165-167. Mr.-Ap.1923. no.2.
Bibliographical foot-notes.

Science

Blake, S. F.
Two Mediterranean clovers new to the United States. Science n.s. 57: 665. Je.8,1923. no.4.

Trelease, William
George Lincoln Goodale, 1839-1923. Science, n.s. 57: 654-656. Je.8,1923. no.1484.

Soil Sci.

Schmidt, David
The relation of seed weight to the growth of buckwheat in culture solution. Soil Sci. 15: 285-292. Ap.1923. (June) no.4.
References: p. 292.

Tulaikov, N. M.
The soil solution and its importance in the growth of plants. Soil Sci. 15: 229-233. Ap. 1923. (June) no.4.

So. Afr. Journ. Sci.

Bews, J. W. and Aitken, R. D.
The measurement of the hydrogen ion concentration in South African soils in relation to plant distribution and other ecological problems. So.African Journ. Sci. 19: 196-206. 1922.
References: p. 206.

Potts, George
The pepper tree (Schinus molle L.) as a cause of hay fever in South Africa. So. African Journ. Sci. 19: 146-195. 1922.
References: p. 195.

Sandground, J.
A note on the occurrence of Aphelenchus phyllophagus in chrysanthemums in the Transvaal, with suggestions for its control. So. African Journ. Sci. 19: 233-235. 1922.

Taylor, A. J.
The composition of some indigenous grasses. So. African Journ. Sci. 19: 218-232. 1922.
References: p. 232.

Thoday, David
Carbon assimilation. So. African Journ. Sci. 19: 52-63. 1922.
Bibliographical foot-notes.

Tectona

Altona, T.
Kernarot in Tectona grandis L.f. 16: 456-473 plates. My.1923. no.5.
English summary: p. 473.

Thar. Forstl. Jahrb.

Krumbiegel,
Nachweis von rauchschäden an den immergrünen nadelhölzern. Thar. Forst. Jahrb. 74: 135-140. 1923. no.3.

U. S. Dept. Agr. Bull.

Brown, E.B. and Garrison, H.S.
Influence of spacing on productivity in single-ear and prolific types of corn. U. S. Dept. Agr. Bull. 1157. 10 p. illus. My.1923 (Rec'd.Je.)

Cook, O. F.
Boll-weevil cotton in Texas. U. S. Dept. Agr. Bull. 1153. 20 p. pl. i-iv. My.12, 1923. (Je. 16, 1923)
Bibliographical foot-notes.

Skinner, J. J., Brown, B.E. and Reid, F. R.
The effect of borax on the growth and yield of crops. U. S. Dept. Agr. Bull. 1126, 30 p. pl. i-xi. A p.23, 1923.
Literature cited, p. 30

Weiss, Freeman, Orton, C. R. and Hartman, R. E.
Investigations of potato wart. U. S. Dept. Agr. Bull. 1156. 21 p. pl. i-iv. May, 1923.
Bibliographical foot-notes.

Univ. Calif. Publ. Bot.

Setchell, W. A.
Parasitic Florideae II. Univ. Calif. Publ. Bot. 10: 393-396. 1923. no.6.

Setchell, W. A.
A revision of the West North American species of Callophyllis. Univ. Calif. Publ. Bot. 10: 397-401. 1923.

Zeitschr. Pflanzenkr.

Gäumann, Ernst
Ueber zwei bananenkrankheiten in Niederländisch Indien. Zeitschr. Pflanzenkr. 33: 1-17. illus. 1923. no.1/2.
Literatur: p. 17.

Exper. Stat. Publ.

Thomas, E. E.
The citrus nematode, Tylenchulus semipenetrans. California Agr. Exp. Stat. Techn. Paper no.2. 34 p. pl. i-viii. F.1923.
Literature cited: p. 19.

Lyon, T. L., Heinicke, A. J. and Wilson, B.D.
The relation of soil moisture and nitrates to the effects of sod on apple trees. Cornell Univ. Agr. Exp. Stat. no. 63. 25 p. pl. i-iii. Ja. 1923.
References cited: p. 24.

Phillips, H. A.
Effect of climatic conditions on the blooming and ripening dates of fruit trees. Cornell Univ. Agr. Exp. Stat. Mem. 59: 1383-1416. Je.1922.
Literature cited: p. 1396.

Higgins, B. B.
The diseases of pepper. Georgia Exp. Stat. Bull. 141: 48-75. illus. F.1923.
Bibliographical foot-notes.

Anderson, R. J.
Studies with corn pollen. New York Agr. Exp. Stat. Techn. Bull. 92. 37 p. F. 1923.
Bibliographical foot-notes.
I. Analysis and composition of corn pollen. II. Concerning certain lipoids, a hydrocarbon, and phytosterol occurring in the pollen of white flint corn.
Pt. I. originally pub. in Journ. Biol. Chem. 50: 433-453. F.1922.
W. L. Kulp joint author of Pt.I.

Weniger, Wanda
Diseases of grain and forage crops in North Dakota. North Dakota Agr. Exp. Stat. Bull. 166. 92 p. illus. My.1923.
References of general interest: p. 92.

Keil, J. B.
Apple pollination. Ohio Agr. Exp. Stat. Monthly Bull. 8: 51-58. illus. My.-Ap.1923. no.3-4.

New Books

Black, J. McC.
Flora of South Australia. 1922.

Gamble, J. S.
Flora of the Presidency of Madras pt. V. 1923.

Goebel, Karl
Organographie der pflanzen. 2. umgearb. aufl. t. 3, h. 2. Die blütenbildung der samenpflanzen. Jena, 1923.

McFarland, J. H.
The rose in America. N. Y. Macmillan, c. 1923.

Sartory, A. and Maire, L.
Compendium hymenomycetum Amanita Fasc. 9. 1923.

Shamel, A. D.
The improvement of sugar cane through bud selection. 1922.

Sorauer, Paul
Handbuch der pflanzenkrankheiten 4. aufl. bd. III. Die pflanzlichen parasiten 2. teil. Berlin, P. Parey, 1923.

Wildeman, E. de
Plantae bequaertianae fasc.2. Mr.1922.

Winker, Hubert
Ostafrika. In Kartsen, G. Vegetationsbilder, r. 14, h. 8 pl. 43-48. 1922.

Library, Bureau of Plant Industry
Current Author Entries, 1923, List 112.
Indexed Je.18-30, 1923.

Alpe. Riv. For. Ital.
Petri, Lionello
L'ereditarietà e l'incrocio nelle piante IV. La presunta ereditarietà del caratteri acquisiti nelle piante forestali in rapporto alla teoria e alla pratica. Alpe. Riv. For. Ital. II.10: 78-84. Ap. 1923. no.4.
Bibliographical foot-notes.

Agricultor.
Flores, Ramón S
Estudios de botánica. Agricultor. 10: 8-10. illus. Je. 1923. no. 7.
I. Xcoch-lee (Cecropia peltata) II. Chacsic (Yaquinia ruscifolia)

Agr. Gaz. N.S.W.
Blakely, W. F.
Weeds of New South Wales. Agr. Gaz. New South Wales. 34: 332-336. illus. My.1923. no.5.

Amer. Journ. Pharm.
Youngken, H. W.
Animal-eating plants. Amer. Journ. Pharm. 95: 329-350. illus. Je. 1923. no. 6.
Bibliography: p. 349-350.

Ann. Sci. Nat. Bot.
Costantin, Julien
Nouvelle remarque sur la dégénérescence et l'Altitude. Ann. Sci. Nat. Bot. X,5: 95-96. My. 1923. no.1/2.
Bibliographical foot-notes.

Vuillemin, Paul
Recherches sur les cucurbitacées.- Type - Anomalies - Affinités. Ann. Sci. Nat. Bot. X,5: 5-19. illus. My. 1923. no. 1/2

Ann. Bot.
Farmer, J. B.
Isaac Bayley Balfour. Ann. Bot. 37: 335-339. port. Ap. 1923. no. 146.

Matthews, J. R.
The distribution of certain portions of the British flora. Ann. Bot. 37: 277-298. maps. Ap. 1923. no.146.
Literature cited: p. 297-298.
I. Plants restricted to England and Wales.

Pearsall, W. H.
Studies in growth. IV. Correlations in development. Ann. Bot. 37: 261-275. Ap. 1923. no. 146.
Literature cited: p. 275.

Rickett, H. W.
Fertilization in sphaerocarpos. Ann. Bot. 37: 225-259. illus., pl. iii-iv. Ap. 1923. no. 146.
Literature cited: p. 257-258.

Robinson, Wilfred.
A critical study of crown gall. Ann. Bot. 37: 299-324. pl. v-vi. Ap. 1923. no.146.
Literature cited: p. 322-323.
Bibliographical foot-note.

Ann. Bot. (cont.)

Samuels, J. A.
A pathological anatomical study of crystal cyst formation in parenchymatous tissue in the genus anthurium. Ann. Bot. 37: 159-181. illus., pl.ii. Ap. 1923. no.146.
Literature cited: p. 179-181.

Smith, E. P.
Buffer effects of tap-water in the estimation of carbon-dioxide by change in hydrogen-ion concentration. Ann. Bot. 37: 344-346. A p. 1923. no. 146.
References: p. 346.

Smith, J. H.
On the apical growth of fungal hyphae. Ann. Bot. 37: 341-343. Ap. 1923. no. 146.

Szabó, Zoltán.
The development of the flower of the Dipsacaceae. Ann. Bot. 37: 325-334. pl. vii-viii. Ap. 1923. no. 146.
Literature cited: p. 334.

Thompson, W. P.
The relationships of the different types of angiospermic vessels. Ann. Bot. 37: 183-192. illus. Ap. 1923. no. 146.
Literature cited: p. 192.

Weston, W. H.
The water-mould Thraustotheca found in Formosa. Ann. Bot. 37: 347-348. Ap. 1923. no. 146.

Williams, Maud.
Observations on the action of x-rays on plant cells. Ann. Bot. 37: 217-223. Ap. 1923. no. 146.
Literature cited: p. 223.

Willis, J. C.
Age and area: a reply to criticism, with further evidence. Ann. Bot. 37: 193-215. map. Ap. 1923. no. 146.
Literature cited: p. 215.

Ann. Epiph.

Arnaud, Gabriel.
Etude sur les champignons parasites (Parodinellinacoes: note complémentaire) Ann. Epiph. 9: 1-40. illus., pl. i-x. 1923. no. 1.
Index bibliographique: p. 38.

Perret, Claude.
Recherches sur la dégénérescence de la pomme de terre. Ann. Epiph. 9: 61-69. 1923. no. 1.

Arb. Biol. Reichanst. Land. u. Forstw.

Köhler, Erich.
Ueber den derzeitigen stand der erforschung des kartoffelkrebses. Arb. Biol. Reichsanst. Land. u. Forstw. 11: 289-315. pl. i-ii. 1922? no.4.
Literaturverzeichnis: p. 314-315.

Müller, K. O.
Ueber die beziehungen von Moniliopsis aderholdi zu Rhizoctonia solani. Arb. Biol. Reichsanst. Land. u. Forstw. 11: 321-325. pl. iii. 1922? no. 4.
Bibliographical foot-notes.

Arb. Biol. Reichanst. Land. u. Forstw. (cont.)

Müller, K. O.
Ueber die beziehungen zwischen Rhizoctonia solani Kühn und Hypochnus solani Prill. et Del. Arb. Biol. Reichsanst. Land. u. Forstw. 11: 326-330. 1922? no.4.
Bibliographical foot-notes.

Müller, K. O.
Ueber parasitäre erkrankungen der kartoffelblüte. Arb. Biol. Reichsanst. Land. u. Forstw. 11: 316-320. illus. 1922? no. 4.

Potschke, A.
Ueber das schwarzwerden des meerrettichs. Arb. Biol. Reichsanst. Land. u. Forstw. 11: 337-338. 1922? no. 4.

Pape, Heinrich.
Ein neuer, auf schneeglöckchen (Galanthus nivalis L.) schmarotzender brandpilz (Urocystis galanthi n.sp.) Arb. Biol. Reichsanst. Land. u. Forstw. 11: 331-336. pl. iv. 1922? no.4.
Bibliographical foot-notes.

Arch. Min. Agr. Bulgarie.

Stoïanoff. N. & Stefanoff. B.
Les graminées de la Bulgarie avec tableaux pour la détermination des espèces. Arch. Min. Agr. et Dom. Roy. Bulgair. 2: 1-118. illus. 1922.
Bibliographical foot-notes.
In Bulgarian; French résumé one leaf at end.

Beih. Bot. Centralbl.

Becker, Wilhelm.
Violae asiaticae et australenses. IV-V. Beih. Bot. Centralbl. 40: 20-118. pl. i-iv. Ap. 1923. no.1.

Hallier, Hans.
Ueber die Lennoneen. eine zu Linne's bicornes verirrte sippe der borraginaceen. Beih. Bot. Centralbl. 40: 1-19. Ap. 1923. no. 1.
Bibliographical foot-notes.

Biochem. Zeitschr.

Blumer, Samuel.
Variationsstatistik als hilfswissenschaft der biochemie der pflanzen. III. Variation des amygdalingehaltes in den same einiger prunusarten. Biochem. Zeitschr. 137: 125-132. My. 1923. no. 1/3.
Bibliographical foot-notes.

Boas, Friedrich. & Merkenschlager, F.
Spezifische zuckerwirkung bei keimversuchen. Biochem. Zeitschr. 137: 300-311. illus. My.25, 1923. no. 4/6.
Literatur: p. 311.

Iwanoff, N. N.
Ueber das viscosin der pilze. Biochem. Zeitschr. 137: 320-330. My.25, 1923. no.4/6.
Bibliographical foot-notes.

Iwanoff, N. N.
Ueber die natur des eiweissstoffes der pilze. Biochem. Zeitschr. 137: 331-340. My.25, 1923. no.4/6.
Bibliographical foot-notes.

Biochem. Zeitschr. (cont.)

Smirnow, A. I.

Ueber die synthese der säureamide in den pflanzen bei ernährung mit ammoniaksalzen. Biochem. Zeitschr. 137: 1-34. My. 1923. no. 1/3.

Bibliographical foot-notes.

Bol. Agr. São Paulo.

Averna-Saccá, Rosario.

Algumas das molestias cryptogamicas mais communs da baunilha (Vanilla planifolia) nos estados de S. Paulo e S. Catharina. Bol. Agr. São Paulo. 23: 282-305. Illus. S.-O. 1922. no. 9/10.

Bibliographical foot-notes.

Myiocopron? vanillae, Averna n.sp.; Leucothrydium? vanillae, Averna n.sp.; Pestalozzia vanillae Averna n.sp.; Macrophoma vanillae, Averna n.sp.; Hendersonia vanillae, Averna n.sp.

Averna-Saccá, Rosario.

Dimerosporium mangiferum, Sacc. Bol. Agr. São Paulo. 23: 323-329. illus. S.-O. 1922. no. 9/10.

Bibliographical foot-notes.

Averna-Saccá, Rosario.

Os gasteromycetos mais communs nas hortas, nos pomares e nos campos. Bol. Agr. São Paulo. 23: 306-318. illus. S.-O. 1922. no. 9/10.

Bibliographical foot-notes.

Averna-Saccá, Rosario.

Uma molestia nova da videira. Bol. Agr. São Paulo. 23: 330-332. illus. S.-O. 1922. no. 9/10.

Valsaria ampelina n.sp.

Averna-Saccá, Rosario.

Sobre um Cicinnobolus sp., parasita da Erysiphe communis (Wallr), Fr. encontrado nas folhas do fedegoso. Bol. Agr. São Paulo. 23: 319-322. illus. S.-O. 1922. no. 9/10.

Bryologist.

Andrews, A. L.

Natural versus artificial classification of the bryophytes. Bryologist. 26: 25-29. My. 1923. no. 3.

Grout, A. J.

Leucodon julaceus (Hedw.) Sulliv., with flagella. Bryologist. 26: 30. My. 1923. no.3.

Bull. Bur. Bio-Techn. Leeds.

M , F. A.

The decay of structural timber, its causes and prevention. Bull. Bur. Biotechn. Leeds. 2: 7-20. illus. Mr. 1923. no.9.

Bibliographical foot-notes.

Bull. Bur. Bio-Techn. Murphy & Son.

Parker, Theodore.

The suppression of insect pests and fungoid diseases. 3. The fumigation of commerical glass-houses in the growing season. Bull. Bur. Bio-Techn. 2: 21-26. Mr. 1923. no. 9.

Bull. Econ. Madagascar.
Louvel,
Notes sur les bois de Madagascar. Bull. Econ. Madagascar. 19: 249-254. plates. 1923. no. 3/4.

Bull. Sci. Pharm.
Martin-Sans, E. & Verbizier, de.
Um empoisonnement par le narcisse incomparable. Bull. Sci. Pharm. 30: 265-266. My. 1923. no.5.
Bibliographical foot-notes.

Vidal, Louis & Aribert
Essais effectués à l'Ecole française de papeterie de Grenoble avec diverses plantes d'Indo-Chine. Bull. Sci. Pharm. 30: 297-305. illus. My. 1923. no.5.
Bibliographical foot-notes.
III. Bambou.

Bull. Soc. Hist. Nat. Afr. Nord.
Ducellier, L.
Le Gleditschia triacanthos L. et sa gomme. Bull. Soc. Hist. Nat. Afrique Nord. 14: 183-184. Ap. 15,1923.

Ducellier, L.
L'hybridation du blé en Algérie. Formes speltoïdes et durelloïdes. Bull. Soc. Hist. Nat. Afrique Nord. 14: 164-172. pl. ii-iii. Ap.15, 1923. no.4.
Bibliographical foot-notes.

Nicolas, Gustave.
Nouvelles remarques sur le mercurialis ambigua L. Bull. Soc. Hist. Nat. Afrique Nord. 14: 178-182. Ap.15, 1923. no.4.
Bibliographical foot-notes.

Centralbl. Bakt. Abt.II.
Merkenschlager, Fritz.
Die sichtbarmachung physiologischer pflanzeneigenschaften im frühesten keimstadium. Centralbl. Bakt. abt.2, 58: 461-464. illus. My.25, 1923. no. 19/24.
Literatur: p.464.

Schander, Richard & Richter,
Ueber den nachweiz von dauersporen von Chrysophlyctis endobiotica Schilb. (Kartoffelkrebs) in der den kartoffeln anhaftenden erde. Centralbl. Bakt. abt.2.58: 454-461. My.25, 1923. no.19/24.

Citrus Indust.
Stevens, H. E.
The present status of spraying and dusting for control of citrus diseases. Citrus Indust. v.4, no.6, p. 8-9, 36. Je. 1923. no.6.

Compt. Rend. Acad. Agr. France.
Arnaud, Gabriel.
Biologie des "tumeurs marbrées" de la Luzerne. Compt. Rend. Acad. Agr. France. 9: 494-497. My.30, 1923. no.18.

Compt. Rend. Acad. Agr. France. (cont.)
Chabrolin, C.
Traitements contre la cloque du pêcher (Exoascus deformans) dans la vallée du Rhône. Compt. Rend. Acad. Agr. France 9: 490-493. My.30, 1923. no. 18.

Eriksson, Jakob.
Comment combattre les mauvaises herbes des champs agricoles? Compt. Rend. Acad. Agr. France 9: 497-500. My.30, 1923. no.18.

Compt. Rend. Acad. Sci. Paris.
Blaringhem, Louis.
Sur l'hérédité en mosaique de la duplicature des fleurs de Cardamine pratensis var. Compt. Rend. Acad. Sci. Paris. 176: 1734-1737. illus. Je.11, 1923. no.24.
Bibliographical foot-notes.

Bridel, Marc.
Étude biochimique sur la composition du Monotropa hypopitys L.: obtention d'un glucoside nouveau, la monotropéine. Compt. Rend. Acad. Sci. Paris. 176: 1742-1744. Je.11, 1923. no.24.
Bibliographical foot-notes.

Bugnon, Pierre.
Sur les homologies des feuilles cotylédonaires Compt. Rend. Acad. Sci. Paris. 176: 1732-1734. illus. Je.11,1923 no.24.
Bibliographical foot-note.

Fritel, P. H.
Sur deux espèces de fougères nouvelles pour la flore fossile des meulières de Beauce (Aquitanien) Compt. Rend. Acad. Sci. Paris. 176: 1635-1636. Je.4, 1923 no.23.

Gillot, P.
Sur les variations de quelques réserves hydrocarbonées dans la mercuriale vivace (Mercurialis perennis L.) Compt. Rend. Acad. Sci. Paris. 176: 1657-1659. Je.4, 1923. no.23.

Guillaumin, Andre.
Le vide comme moyen de prolonger la faculté germinative des graines. Compt. Rend. Acad.Sci. Paris. 176: 1737-1739. Je.11, 1923. no.24.
Bibliographical foot-notes.

Lenoir, Maurice.
Le matériel nucléolaire pendant la télophase de la cinèse somatique dans le nucelle chez Fritillaria imperialis L. Compt. Rend. Acad. Sci. Paris 176: 1648-1651. Je.4,1923. No.23.

Puymaly, A. de.
Adaptation à la vie aérienne d'une algue verte du groupe des volvocales (Chlamydomonas fungicola n.sp.) Compt. Rend. Acad. Sci. Paris. 176: 1739-1741. Je.11, 1923. no.24.
Bibliographical foot-notes.

Deut. Landw. Presse.
Baunacke, W.
Wie steht es um die bekämpfung des kartoffel-krebses und die verhütung seiner ausbreitung? Deut. Landw. Presse. 50: 187-188. illus. My.26, 1923. no.21.
Bibliographical foot-note.

Div. Chem. Ser. Dept. Agr. So. Africa.
Juritz, C. F.
Notes on the active principles of some South African plants. Div. Chem. Ser. Dept.Agr. So. Africa. no.2 7 p. 1923.
Reprinted from the Chemical News, Feb. 2 and 9, 1923.
Bibliographical foot-notes.

Florida Grow.
Robinson, T. R.
Safeguarding the introduction of citrus plants through improved quarantine methods. Florida Grow. v.27, no.24, p. 6-7. illus. Je.16, 1923. no. 24.

Fruit Flower & Veg. Trades Journ.
The A.B.C. of tomato growing. Fruit, Flow, & Veg. Trades Journ. 43: 675-677. Je.2, 1923. no.22.
Tomato mildew.

Fruitm.
Benjamin, M. A.
Why orchard trees show deadwood tops. Fruitm. 3: 4, 15. illus. Ap. 1923. no.4.

Gard. Mag.
Wilson, E. H.
Travel tales of a plant collector. VII. A final survey of South Africa. Gard. Mag. 37: 326-330. illus., port. Jl. 1923. no.5.

Gard. Chron.
Beckett, Edwin.
Owen Thomas, V.M.H. Gard. Chron. III, 73: 326. Je.9,1923. no.1902.

Brotherston, R. P.
Patrick Neil, LL.D. Gard.Chron. III, 73: 320-321. Je.9, 1923. no. 1902.

Ward, F. K.
Mr. Kingdon Ward's seventh expedition in Asia. no.15. The Pi-Tu La. Gard. Chron. III, 73: 300-301. illus. Je.2,1923. no. 1901.

Giorn. Risicolt.
Novelli, N.
Nouve varietà di riso. Giorn. Risicolt. 13: 8-12. illus. Ja.31, 1923. no.1.
----- Nouvelles variétés de riz. Rev. Bot. Appl. 3: 273-274. Ap. 1923.
Traduit par Mlle. Ch. Hatat.

Journ. Amer. Pharm. Assoc.
Hart. Fanchon.
A microscopical comparison of some official herbs and their substitutes. Journ. Amer. Pharm. Assoc. 12: 489-491. illus. Je. 1923. no.6.

Miller, M. R.
Alkaloidal essays of Delphinium andersonii, Gray. Journ. Amer. Pharm. Assoc. 12: 492-493. Je. 1923. no.6.
Bibliography: p. 493.

Youngke, H. W.
Studies of the bark of Myrica cerifera, Linné. Journ. Amer. Pharm. Assoc. 12: 484-488. illus. Je. 1923. no.6.
Literature cited: p. 488.

Journ. Dept. Agr. So. Africa.
Putterill, V. A.
Plant diseases in the Western Cape province VIII. Court-Noué or short node disease of the vine. Journ. Dept. Agr. So. Africa 6: 458-460. illus. My. 1923. no.5.

An apple disease.- First record in South Africa. Journ. Dept. Agr. So. Africa. 6: 381. My. 1923. no.5.
Leptothyrium pomi.

"Scaly bark" of citrus. Journ. Dept. Agr. So. Africa. 6: 380. My. 1923. no.5.

Journ. Dept. Agr. Victoria.
Adam, D. B.
Experiments in the storage of fruits. Journ. Dept. Agr. Victoria. 21: 178-186, 234-241. illus. Mr.-Ap. 1923. no.3-4.
Bibliographical foot-notes.

Brittlebank, C.C. & Adam, D.B.
Diseases of the cotton plant. Journ. Dept. Agr. Victoria. 21: 242-244. Ap. 1923. no4.

Davey, H. W.
Weeds and their eradication. Journ. Dept. Agr. Victoria. 21: 186-189, 230-233, 317-319. illus. 1923. No. 3, 4, 5.

Richardson, A. E. V.
The water requirement of farm crops. Influence of environment on the transpiration ratio. Journ. Dept. Agr. Victoria. 21: 193-212, 257-284. illus. Ap.-My. 1923. no.4-5.

Journ. Ecol.
Braid, K. W.
The measurement of light for ecological purposes. Journ. Ecol. 11: 49-63. My. 1923. no. 1.
Bibliography: p. 62-63.

Evans, E. P.
Carrington Moss, with special reference to the weeds of arable land. Journ. Ecol. 11: 64-77. My. 1923. no.1.

Lyle, Lillian.
Distribution of the marine flora of the Channel islands compared with that of the coasts of western Europe. Journ. Ecol. 11: 77-92. My. 1923. no.1.

Journ. Ecol. (cont.)
Watt, A. S.
On the ecology of British beechwoods with special reference to their regeneration. Journ. Ecol. 11: 1-48. My. 1923. no. 1.
Bibliographical foot-notes.

Journ. Elisha Mitchell Soc.
Coker, W. C.
The gasteromycetes of North Carolina. Journ. Elisha Mitch. Sci. Soc. 38: 231-243. pl. 71-83. My. 1923. (Rec'd June) no.3/4.
Important literature: p. 232.

Journ. Opt. Soc. Amer.
Richtmyer, F. K., 1881-
The reflection of ultraviolet by flowers Journ. Opt. Soc. Amer. 7: 151-168. F.1923.

Journ. Wash. Acad. Sci.
Krause, Kurt.
Note on Schizocasia regnieri. Journ. Wash. Acad. Sci. 13: 253. Je.19, 1923. no.12.

Landw. Jahrb. Schweiz.
Müller, Hermann (Thurgau) & Osterwalder, A.
Weitere versuche zur bekämpfung der kohlhernie. Landw. Jahrb. Schweiz. 37: 153-182. illus. 1923. no.2.
Bibliographical foot-notes.

Meded. Proefst. Java Suikerind. ([Suppl.] Arch. Suikerind. Nederl.-Ind.)
Kuyper, Jan.
Het wortelrotop Java, speciaal in verband met de rietsoort ek 28. Meded. Proefst. Java. Suikerind. [Suppl.] Arch. Suikerind. Neder-Ind. 1923, no.4, p. 117-161.

Mem. Soc. Cubana Hist. Nat. "Felipe Poey"
Calvino, E. M. de
Estudios anatomicos y fisiologicos sobre la caña de azurcar en Cuba. Mem. Soc. Cubana Hist. Nat. "Felipe Poey" 4: 156-211. illus. 1922. no.4.
Bibliographical foot-notes.

Roig, J. T.
Plantas nuevas o poco conocidas de Cuba. Mem. Soc. Cubana Hist. Nat. "Felipe Poey" 4: 113-119. 1921/22. no.4.

Nat. Hist.
Leach, F. A.
Jumping "seeds". Plant growths that hop about like fleas. Nat. Hist. 23: 295-300. illus. My.-Je.1923. no.3.
Bibliographical foot-notes.

Nature.
Allen, F. J.
Longevity in a fern. Nature 111: 742. Je.2, 1923. no. 2796.
Scolopendrium vulgare var. peraferum-cornatum.

Norsk havetid
Hvorledes skal man bekjaempe klumproten paa vore kaalvekster. Norsk Havetid. 39: 126-128. Je.1, 1923. no.8.
Bibliographical foot-notes.

Nature Mag.

Brooks, Frederick.
See spiral plants in nature hikes. Nature Mag. 2: 47-48, Illus. Jl. 1923. no.1.

Brownell, L. W.
The white oak. Nature Mag. 2: 27-29. illus. Jl. 1923. no. 1.

Eldridge, A. G.
An insect trap in nature. Showing how one flower uses insects. Nature Mag. 2: 45-46. illus.. Jl. 1923. no. 1.

Rice, J. H.
The story of a new drink. Nature Mag. 2: 53-54, 62. illus. Jl. 1923, no. 1.
Cassina plant (Ilex cassina)

Oesterr. Bot. Zeitschr.

Brunswik, Hermann.
Die mikroquantitative bestimmung von blausäure, pflanzlichen blausäureverbindungen und emulsin. Oesterr. Bot. Zeitschr. 72: 58-75. Ma.-My. 1923. no.1/5.
Bibliographical foot-notes.

Du Rietz, G. E.
Einige beobachtungen und betrachtungen über pflanzengesellschaften in Niederösterreich und den kleinen Karpathen Oesterr. Bot. Zeitschr. 72: 1-43. Ja.-My. 1923. no. 1/5.
Literatuverzeichnis: p. 40-43.

Geitler, Lothar.
Porphyridium aerugineum, n.sp. Oesterr. Bot. Zeitschr. 72: 84. Ja.-My. 1923. no.1/5.
Bibliographical foot-note.

Geitler, Lothar.
Studine über das hämatochrom und die chromatophoren von Trentepohlia. Oesterr. Bot. Zeitschr. 72: 76-83. illus. Ja.-My. 1923. no. 1/5.
Bibliographical foot-notes.

Stojanov, N. & Stefanov, B.
Beitrag zur flora Bulgariens und Mazedoniens. Oesterr. Bot. Zeitschr. 72: 85-92. illus. Ja./My. 1923 no. 1/5.

Suksdorf, Wilhelm.
Eine neue weide aus dem Staate Washington. Oesterr. Bot. Zeitschr. 72: 94-95. Ja.-My. 1923. no. 1/5.

Weber, Friedl.
Zur physiologie der spaltöffnungsbewegung. Oesterr. Bot. Zeitschr. 72: 43-57. Ja.-My. 1923. no. 1/5.
Literatur: p. 56-57.

Ohio Journ. Sci.
Schaffner, J. H.
Observations on the sexual state of various plants. Ohio Journ. Sci. 23: 149-159. illus. My.-Je. 1923. no.3.

Orchid Rev.
Musgrove, R. N.
Orchids of the Island of New Providence, Bahamas. Orchid. Rev. 31: 167-168. Je. 1923. no. 360.

Wilson, Gurney.
The genus Zygopetalum. Orchid Rev. 31: 182-186. illus. Je. 1923. no. 360.

Parfum. Mod.
Guillaumin, André.
Les encens: gommes-résins aromatiques. Parfum. Md. 16: 103-106. illus. My. 1923. no.5.

Pharm. Journ.
Holmes, E. M.
The herb garden for students. Pharm. Journ. 110 (4th ser., v.56): 516-617. Je.9, 1923. no. 3112.

Proc. Amer. Pomol. Soc.
Wilcox, R. B.
Progress in control of raspberry diseases. Proc. Amer. Pom. Soc. 38: 344-354. 1922.

Proc. Linn. Soc. N.S.W.
Blakely, W. F.
The Loranthaceae of Australia. pt. III. Proc. Linn. Soc. N.S.W. 47, pt. 4, p. 391-414. pl. xxxix-xlvii. 1922. no. 188.

McLuckie, John.
A contribution to the parasitism of Notothixos incanus (Oliv.). var. subaureus. Proc. Linn. Soc. N.S.W. 47: 571-580. illus. D. 1922 no. 188.
Literature: p. 580.

O'Dwyer, M. H.
Further report of the nutritive value of certain Australian grasses. Proc. Linn. Soc. N.S.W. 47: 516-518. D. 1922. no. 188.

O'Dwyer, M. H.
A note on protein precipitation in grasses. Proc. Linn. Soc. N.S.W. 47: 513-515. D. 1922. no. 188.

Welch, M. B.
The occurrence of oil-glands in the bark of certain Eucalypts. Proc. Linn. Soc. N. S. W. 47: 428-438. pl. xlviii-xlix. D. 1922. no. 188.
List of references: p. 437.

Publ. Museo Agric. Soc. Rur. Argentina.
Girola, C. D.
Antecedentes relativos a apicaciones genéticas en Argentina. Estudio de las variedades de trigo argentinas y aclimatadas y su selección. Publ. Museo Agric. Soc. Rur. Argentina. no. 33. 7 p. 1923.

Rep. Bot. Soc. & Exch. Club Brit. Isles

Britton, C. E.
Centaurea scabiosa L. Varieties and a hybrid. Rep. Bot. Soc. & Exch. Club British Isles 6: 767-773. no.5. My. 1923.

Dahlstedt, Hugo
Some new English species of Taraxacum. Rep. Bot. Soc. & Exch. Club British Isles. 6: 773-780. My. 1923. no.5.

Druce, G. C.
Herbaria. Rep. Bot. Soc. & Exchange Club British Isles. 6: 756-766. My. 1923. no. 5.
Bibliographical foot-note.

Small, James
The wanderings of the groundsel. Rep. Bot. Soc. & Exch. Club British Isles. 6: 781-785. My. 1923. no. 5.

Rep. Shirley Inst. Mem.

Denham, H. J.
The structure of the cotton hair and its botanical aspects. II. The morphology of the wall. Rep. Shirley Inst. Mem. no. 7. p. 61-88. Illus., pl.v-viii. Ap.1923.
References: p.87.

Rev. Agr. Santo Domingo

Faris, J. A.
El mosaico de la caña de azucar. Historia de la enfermedad de la caña en Santo Domingo. Rev. Agr. Santo Domingo. 17: 129-133, 145-148. Mr./Ap.1923. no.9-10.

Rev. Bot. Appl.

Cerighelli, C.
Sur le rapport des matières minérales avec la végetation. Rev. Bot. Appl. 3: 327-333. My.1923. no.21.
Principales références: p. 332-333.

Chevalier, Auguste and Baillaud, Emile
Jean Vilbouchevitch (1866-1907) Rev. Bot. Appl. 3: 362-368. My.1923. no.21.

Guillaumin, André
Les cultures en Océanie francaise. Rev. Bot. Appl. 3: 322-327. My.1923. no.21.
Bibliographical foot-notes.

Miège, Emile
Les variétiés d'élite dans les céréales. Rev. Bot. Appl. 3: 305-321. My.1923. no.21.
Bibliographical foot-notes.

Trabut, Louis
Le bersim ou trèfle d'Alexandrie. Rev. Bot. Appl. 3: 333-342. My.1923. no.21.
Bibliographical foot-notes.

Rev. Hort.

Mottet, Seraphim
Les arbustes a fruits d'automne décoratifs. Rev. Hort. 95: 390-391. col. pl. Je.16,1923. no.18
Bibliographical foot-notes.

Rev. Hort.

Tesnier, François
Les éphémérides de l'iris. Rev. Hort. 95: 397-399. Ja.16,1923. no.18.

Rev. Hort. Algérie

Réportoire des plantes médicinales de l'Afrique du Nord. Rev. Hort. Algerie 27: 66-75. Ap.1923. no.4.

Rev. Inst. Rech. Agron. Bulgarie

Ivanov, Boris
Phragmidium subcorticium Wint. auf oelrose, Rosa damascena Müller, und seine bekämpfung. Rev. Inst. Rech. Agron. Bulgarie 2: 344-348. 1922. no.5/6.
In Bulgarian.

Savov, Chr.
Zur bekämpfung von Caldosporium herbarum und Alternaria brassicae auf den getreidearten. Rev. Inst. Rech. Agron. Bulgarie 2: 407-419. illus. 1922. no.5/6.
In Bulgarian

Rhodora.

Evans, A. W.
Notes on New England hepaticae. XVII. Rhodora 25: 89-98. Je.1923. no.294.
Bibliographical foot-notes.

Farnald, M. L.
The gentian of the tidal shores of the St. Lawrence Rhodora 25: 85-89. pl. 139. Je. 1923. no.294.
Bibliographical foot-notes.
Gentiana victorinii, n. sp.

Fernald, M. L.
The northern variety of Geum virginianum. Rhodora. 25: 98-99. Je.1923. no.294.
Bibliographical foot-note.

Science

Hale, J. D.
Trabeculae of senio in angiosperms. Science n.s. 57: 718. Je.22,1923. no.1486.

Harrison, A.P.
Note on preparing color standards. Science n.s. 57: 716-717. Je.22,1923. no.1486.

Kunkel, L. O.
Ameboid bodies associated with Hippeastrum mosaic. Science n.s. 57: 693. Je.15,1923. no.1485.
Bibliographical foot-note.

Sci. Bull. Dept. Agr. So. Africa

Putterill, V. A.
Silver leaf disease of fruit trees and its occurrence in South Africa. Sci. Bull. Dept. Agr. So. Africa no.27 19 p. illus. 1923.
Literature referred to in the text: p. 18-19.

R. Soc. Espan. Hist. Nat. Tomo Extraord.

Beltrán, F.
Uredales (royas) de las provincias de Castellón y Valencia. R. Soc. Espan. Hist. Nat. Tomo Extraord. p. 242-276. illus., pl. xiv-xiv. 1921.
Puccinia fragosoana, P. imperata, P. andropogonis-hirta n. sp.

Casares-Gil, Antonio
Calypogeia arguta Nees et Mont., var. spinulosa v.n. R. Soc. Espan. Hist. Nat. Tomo Extraord. p. 501-502. illus. 1921.

De Unamuno, P. Luis M.
Algunos datos nuevos para el estudio de la flora micológica de la provincia de Oviedo. R. Soc. Espan. Hist. Nat. Tomo Extraord. p. 150-168. 1921.
Bibliographical foot-note.
Septoria fernandezii n. sp.

Font Quer, P.
Las Sideritis híbridas españolas. R. Soc. Espan. Hist. Nat. Tomo Extraord. p. 226-242. pl. x-xiii. 1921.
Bibliographical foot-notes.

González Fragoso, Romualdo
Una especie nueva de Puccinia en asphodelus. R. Soc. Espan. Hist. Nat. Tomo Extraord. p. 58-61 illus., col. pl. iv. 1921.
Bibliographical foot-notes.

Lázaro e Ibiza, Blas
Notas carpológicas. R. Soc. Espan. Hist. Nat. Tomo Extraord. P. 81-92. 1921.

Pau, Carlos
Diez dias en Sierra Morena (Del 12 al 22 de Mayo) de 1920) R. Soc. Espan. Hist. Nat. Romo Extraord. p. 237-298. 1921.

Reyes Prósper, Eduardo
Algunas particularidades morfológicas y biológicas de la Pistorinia hispanica D. C. R. Soc. Espan. Hist. Nat. Tomo Extraord. p. 92-97. pl. v. 1921.

Terre Vaud.

Martinet, Gustave
Maladies des céréales. Terre Vaud. 15: 298-303. My.26.1923. no.21.

De Thee

Petch, Thomas
"Thread blight" (Draadjes-ziekte). De Thee. 4: 13-16. pl. ii-iv. Mr.1923. no.1.
Bibliographical foot-notes.

Tidsskr. Landkønomi

Ferdinandsen, Carl
Ukrudtets betydning for plantesygdomme. Tidsskr. Landkønomi. 1923. p. 265-280. no.6.
Bibliographical foot-notes.

Tidsskr. Planteavl

Gram, Ernst & Rostrup, Sofie
Oversigt over sygdomme hos landbrugets og havebrugets kulturplanter i 1922. Tidsskr. f. Planteavl. 29: 236-309. illus. 1923. no.2.
Bibliographical foot-notes.
English summary: p. 307-309.

Torreya

Harper, R. M.
Some recent extensions of the known range of Pinus palustris. Torreya 23: 49-51. My./Je.1923. no.3.
Bibliographical foot-notes.

Tidestrom, Ivar
The floral alphabet of the Celts. Torreya 23: 41-49. My.-Je.1923. no.3.
Bibliographical foot-note.

U. S. Dept. Agr. Bull.

Jones, J. W.
Rice experiments at the Biggs rice field station in California. U. S. Dept. Agr. Bull. no. 1155. 60 p. illus. Je.1923. (Rec'd. Je.25, 1923)
Bibliographical foot-notes.

Univ. Calif. Publ. Bot.

Pearson, W. H.
More New Zealand Hepaticae. Univ. Calif. Publ. Bot. 10: 372-392. pl. 104-109. 1923. no.4/5.

Pearson, W. H.
Notes on a collection of New Zealand Hepaticae. Univ. Calif. Publ. Bot. 10: 307-370. pl. 83-103. 1923. no.4/5.

Univ. Calif. Publ. Agr. Sci.

Rau, Venkata
Inheritance of some morphological characters in Crepis capillaris. Univ. Calif. Publ. Agr. Sci. 2: 217-242. pl. 42-43. Je.1923. no.7.
Literature cited: p. 237-238.

Univ. Minn. Studies Biol. Sci.

Clark, Lois
The embryogeny of Podophyllum peltatum. Univ. Minn. Studies Biol. Sci. no.4 p. 111-137. illus., pl. xx-xxv. Ja.1923.
Literature cited: p.125.

Hayes, H .K.
Inheritance of kernel and spike characters in crosses between varieties of Triticum vulgare. Univ. Minn. Studies Biol. Sci. no.4. p. 163-183. Ja.1923.
Literature cited: p. 183.

Johnson, A.M.
A revision of the North American species of the section Boraphila Engler of the genus Saxifraga (Tourn.) L. Univ. Minn. Studies Biol. Sci. no.4 p. 1-109. pl. i-xix. Ja.1923.
Literature cited: p.69.

Stakman, L. J.
Some fungi causing root and foot rots of cereals. Univ. Minn. Studies Biol. Sci. no. 4. p.139-161. illus., pl. xxvi-xxviii. Ja.1923.
Literature cited; p. 154.

Vie Agr. et Rur.

Diffloth, P.
Les ennemis de la vigne. Galles et cryptogames. Vie Agr. et Rur. 22: 367-370. illus. Je.2,1923. no.22.

World's Work

Theiss, L. E.
Why plants blossom and bear fruit. The need for darkness as well as light. How the blooming of plants may be advanced or retarded by the length of time to which they are exposed to light. How less light makes some bloom earlier. World's Work 46: 316-323. illus. Jl.1923. no.3.
Account of the experiments of W. W. Garner & H.A.Allard.

Zeitschr. Indukt. Abstamm. u. Vererbungsl.

Brozek, A.
Hauptresultate der kreuzungsexperimente mit Mimuls. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 30: 319-323. 1923. no.4.

Goldschmidt, Richard
Das mutationsproblem. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 30: 260-268. 1923. no.4.

Hartmann, Max
Uber sexuelle differenzierung und relative sexualität. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 30: 271-274. 1923. no.4.

LoPriore, Giuseppe
Über die vererbung teratologischer missbildunzen. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 30: 323-327. illus. 1923. no.4.

Roemer, Theodor
Partielle variationen bei Lupinus angustifolius. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 30: 296-299. 1923. no.4.

Schiemann, Elisabeth
Genetische studien zur sortenunterscheidung der gerste. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 30: 293-296. 1923. no.4.

Exper. Stat. Publ.

Baxter, D. V. and Coons, G. H.
White pine blister rust in Michigan. Quart. Bull. Agr. Exp. Stat. Mich. 5: 193-196 illus. My. 1923. no.4.

Coons, G. H.
Celery blight or leaf spot. Quart. Bull. Agr. Exp. Stat. Michigan 5: 190-193. My.1923. no.4.

Kotila, J. E.
Mosaic and potato yields in Michigan. Quart. Bull. Agr. Exp. Stat. Michigan 5: 188-189. illus. My.1923. no.4.

Exper. Stat. Publ. (cont.)
Muncie, J.H.
Tomato leaf-spot and experiments with its control. Pennsylvania Agr. Exp. Stat. Bull. no. 177. 23 p. illus. D.1922
Bibliography: p. 23.

Science
Pollock, J. B.
Some physiological variations of plants and their general significance Science II, 25: 881-889 Je.7, 1907.

NEW BOOKS

Anderson, O.G. & Roth, F.C.
Insecticides and fungicides, spraying and dusting equipment... N.Y. J. Wiley & Sons, 1923.

Berkhout, C. M.
De shcimmelgeslachten Monilia, Oidium, Oospora en Torula 1923.
Inaug.-diss.- Utrecht.

Lieske, R.
Bakterien und strahlenpilze. 1922 (Handbuch der pflanzenanatomie lfg. 8(abt.II, t.1, v.6)

Marzell, Heinrich
Neues illustriertes kräuterbuch Reutlingen 1921

Oregon out of doors -- Crater Lake. Portland, Ore. c.1922.
v.1, no.2. Je.1922.
Published by the Mazamas
Editorial bd. H. E. Monroe, L. H. Peterson, W. Du P. Smith
Common wild flowers of Crater Lake national park. Albert R. Sweetser: p. 29-58. illus.
Coniferous trees of Crater Lake Park: p. 119-121.

Pirovano, Alberto
La mutazione elettrica delle specie botaniche e la disciplina dell'eredità, nell'ibridazione Milano, U. Hoepli, 1922.

Urban, I
Symbolae antillanae v.9, fasc.1. 1923.
Zur pflanzengeographie von Hispaniola. - Plantae cubensis novae vel rariones a cl. E. L. Ekman lectae.

Library, Bureau of Plant Industry
Current Authors Entries, 1923, List 113.
Indexed July 2-14, 1923.

Agr. Bull. Bermuda.
Whetzel, H. H.
Control of plant diseases and pests. Agr. Bull. Bermuda. 2: 1-9. My. 1923. no. 5.

Agr. y Zootecn.
Montaño, Isidro.
La sarna negra ó verrugosa de la papa. Agr. y Zootecn. 2: 321-323. illus. Je.1923. no. 9.

Amer. For.
Ancona, E. P.
America's oldest apple orchard. Amer. For. 29: 411-413. illus. Jl. 1923. no. 355.
At Manzano, Mexico.

Shufeldt, R. W.
Flowers of the forest. Amer. For. 29: 426-430. illus. Jl. 1923. no. 355.

Amer. Journ. Bot.
Blodgett, F. H.
The embryo of Lemna. Amer. Journ. Bot. 10: 336-342. pl. xxviii. Je. 1923. no.6.
Bibliographical foot-notes.

Gericke, W. F.
Some effects of physiological conditions on genetic characters of wheat. Amer. Journ. Bot. 10: 275-277. Je. 1923. no. 6.

Gleason, H. A.
The Bolivian species of Vernonia. Amer. Journ. Bot. 10: 297-309. Je. 1923. no. 6.

Harvey, E. M.
Is it maltose or phloridzin that is abundant in apple tissue. Amer. Journ. Bot. 10: 288-293. Je. 1923. no. 6.
Bibliographical foot-notes.

Johnson, A. M.
Cryptomorpha, a new section of Saxifraga. Amer. Journ. Bot. 10: 294-296. illus. Je.1923. no.6.
Literature cited: p. 296.

Murneek, A. E.
Studies of physical and morphological changes in Bartlett pears. Amer. Journ. Bot. 10: 310-324. pl. xxiv. Je. 1923. no. 6.
Literature cited: p. 323-324.

Sinnott, E. W. & Durham, G. B.
A quantitative study of anisophylly in acer. Amer. Journ. Bot. 10: 278-287. Je. 1923. no.6.
Bibliography: p. 286-287.

Young, W. J.
The formation and degeneration of germ cells in the potato. Amer. Journ. Bot. 10: 325-335. pl. xxv-xxvii. Je. 1923. no. 6.

Ann. Rep. Exp. & Res. Stat. Nursery & Mark. Gard. Industry. Devel. Soc.

Bewley, W. F.
Mosaic disease of the cucumber. Ann. Rep. Exp. & Research Stat. Nursery & Mark. Gard. Industr. Soc. 8th. p. 43-45. 1923.

Bewley, W. F.
[Tomato diseases] Ann. Rep. Exp. & Research Stat. Nursery & Mark. Gard. Industr. Soc. 8th. p. 34-43. 1923.
A new root disease of the tomato (Sclerotium setosum) Botrytis stem rot of the tomato Mosaic disease of the tomato.

Biol. Zentralbl.

Küster, Ernst.
Botanische betrachtungen über gewebekorrelattionen. Biol. Zentralbl. 43: 301-311. illus. My. 1923. no. 3.
Bibliographical foot-notes.

Popoff, Methodi.
Biologische möglichkeiten zur hebung des ernteertrages. Biol. Zentralbl. 43: 244-268. illus. My. 1923. no.3.
Experimentalla zellstudien V.

Tobler, Friedrich.
G.E. Rumpf und die biologie der mangrove. Biol. Zentralbl. 43: 312-315. My. 1923. no.3.
Bibliographical foot-notes.

Boll. Tecn. R. Ist. Sper. Tabacchi Scafati.

Anastasia, G. E.
Le forme elementari della composizione dei vegetali o l'origine della specie (Filogenesi delle Nicotianae, delle Primulaceae e delle Violae) iii. Le violae. Boll. Tecn. R. Ist. Sci. Sper. Tabacco. 20: 8-88. illus., pl. xx-xxv., Ja.-My. 1923. no. 1.
pl. xx-xxii col.
Bibliographical foot-notes.

Bot. Gaz.

Brannon, J. M.
Influence of certain sugars on higher plants. Bot. Gaz. 75: 370-389. illus. Je. 1923. no.4.
Literature cited: p. 387-389.

Cogard, H. S.
Revegetation of a denuded area. II. Bot.Gaz. 75: 414-420. illus. Je.1923. no.4.

Hoskins, J. H.
A paleozoic angiosperm from an America coal ball. Bot. Gaz. 75: 390-399. illus., pl. xvii. Je.1923. no. 4.
Angiospermophytom americanum.
Literature cited: p. 398-399.

Land, W. J. G.
A suspensor in angiopteris. Bot. Gaz. 75:421-425. illus. Je. 1923. no. 4.
Bibliographical foot-note.

McLuckie, John.
Studies in parasitism. A contribution to the physiology of the Loranthaceae of New South Wales. Bot. Gaz. 75: 333-369. illus., pl. xiv-xvi. Je. 1923. no.4.
Literature cited: p. 367-368.

Bot. Gaz. (cont.)

Marsh, R. S.
Seasonal variation of sulphur content in certain tissues of the apple tree. Bot. Gaz. 75: 400-413. Je. 1923. no.4.
Literature cited: p. 412-413.

Bull. Agr. Congo Belge.

Goossens, Victor.
Contribution à l'étude des plantes économiques du Congo Belge. I- Bull. Agr. Congo Belge. 14: 39-46. illus. Mr. 1923. no. 1
Bibliographical foot-notes.

Pieraerts, J.
Le "Pombi." Bull. Agr. Congo Belge. 14: 201-203. illus. Mr. 1923. no. 1.

Pynaert, L.
Plantes aromatiques. Bull. Agr. Congo Belge. 14: 156-158. illus. Mr. 1923. no.1.

Vanderyst, Hyacinth.
Etudes agrostologiques et forestières. Bull. Agr. Congo Belge. 14: 98-118. Mr. 1923. no. 1.

Bull. Sci. Pharm.

Bretin, Ph.
Les plantes médicinales dans leurs rapports avec le climat et avec le sol. Bull. Sci. Pharm. 30: 364-381. Je. 1923. no.6.

Lecoq, Raoul.
Les sortes commerciales de cacao. Bull. Sci. Pharm. 30: 341-352. illus. Je. 1923. no.6.

Maurin, E.
La teneur des diverses rhubarbes en dérivés anthracéniques. Bull. Sci. Pharm. 30: 337-341 Je. 1923. no.6.
Bibliographical foot-notes.

Bull. Soc. Bot. France.

Camus, Aimée.
Sur les caractères et les affinités du genre Pseudovossia A. Camus. Bull. Soc. Bot. France 69: 605-607. illus. 1923. no. 7/8.
Bibliographical foot-note.

Chermezon, Henri.
Sur quelques cypéracées nouvelles de Madagascar. Bull. Soc. Bot. France. 69: 719-725. 1923. no. 7/8.

Combes, Raoul. & Kohler, Denise.
Etude biochimique de la chute des feuilles. Bull. Soc. Bot. France. 69: 539-545. 1923. no. 7/8.
Bibliographical foot-notes.

Fournier, P.
Un nouvel hybride de Salix (Salix negata P. Fournier S. fragilis x cinerea P. Fournier) Bull. Soc. Bot. France. 69: 515-518. illus. 1923. no. 7/8.

Gagnepain, Francois.
Euphorbiacees nouvelles (Macaranga) Bull. Soc. Bot. France. 69: 701-706. 1923. no. 7/8
----- ----- (Trigonostemon) Bull. Soc. Bot. France. 69: 747-755. 1923.

Gattefossè, Jean.
Quelques plantes alimentaires préhistoriques de Provence. Bull. Soc. Bot. France. 69: 595-601. 1923. no. 7/8
Bibliographical foot-notes.

Bull. Soc. Bot. France (cont.)

Pellegrin, Francois.
Le kévasingo ou bois de rose du Gabon. Bull Soc. Bot. France. 69: 786-788. 1923. no. 7/8.
Bibliographical foot-notes.

Pellegrin, Francois.
Notes sur quelques césalpiées du Congo. Bull. Soc. Bot. France. 69: 742-746. 1923. no. 7/8.
Bibliographical foot-notes.

Rodriguez, Léopold.
Contribution à l'étude de la flore du Guatémala. Bull. Soc. Bot. France. 69: 814-818. 1923. no. 7/8.

Souèges, René.
Recherches sur l'embryogénie des Solanacées. Bull. Soc. Bot. France. 69: 555-585. illus. 1923. no. 7/8.
Bibliographical foot-notes.

Bull. Soc. Chim. Biol.

Delauney, Paul.
Sur la presence de la loroglossine dans onze nouvelles espèces d'orchidées indigènes. Bull. Soc. Chim. Biol. 5: 398-408. My. 1923. no. 5.
Bibliographical foot-notes.

Fabre, René.
Les méthodes actuelles de purification des enzymes par adsorption. Bull. Soc. Chim. Biol. 5: 432-448. My. 1923. no.5.
Bibliographical foot-notes.

Bull. Soc. Hist. Nat. Afr. Nord.

Braun-Blanquet, Josias. & Wilczek, E.
Contribution à la connaissance de la flore marocaine. Bull. Soc. Hist. Nat. Afrique Nord. 14: 191-197. My.15, 1923. no.5.

Bull. Soc. Neuch. Sci. Nat.

Mayor, Eugène.
Notes mycologiques. 1918-20. Bull. Soc. Neuchat. Sci. Nat. 46: 3-40. 1922.

Bull. Soc. Port. Sci. Nat.

Patouillard, Narcisse.
Liste des champignons recueillis à San Thomé. communiqués par M. de Seabra. Bull. Soc. Port. Sci. Nat. 9: 35-39. 1921. no. 1.

Bull. Techn. & Sci. Serv. Dept. Agr. Egypt.

Briton-Jones, H. R.
A wound parasite of cotton bolls. Bull. Techn. & Sci. Serv. Dept. Agr. Egypt. no.19 8 p. pl.i-ii., part col. 1923.

Bull. Torr. Club.

Blake, S. F.
Two new composites from Florida. Bull. Torr. Bot. Club. 50: 203-205. pl. 9. Je.1923. no.6.
Lacinaria ohlingerae Blake, sp.nov., Flaveria pinetorum Blake, sp.nov.

Brandegee, T. S.
A note on Penstemon stephensi. Bull. Torr. Bot. Club. 50: 215. Je.1923. no.6.
Bibliographical foot-note.

Bull. Torr. Club. (cont.)

Hollick, Arthur.
The taxonomic and morphologic status of Ophioglossum alleni Lesquereux. Bull. Torr. Bot. Club. 50: 207-213. pl. 10-12. Je.1923. no.6.
Bibliographical foot-notes.

Osterhout, G. E.
Two new plants from Colorado. Bull. Torr. Bot. Club. 50: 217-218. Je. 1923, no.6.
Draba alpicola sp.nov., Oreocarya stricta sp. nov.

Steil, W. N.
The antherozoid of the genus Riccardia. Bull. Torr. Bot. Club. 50: 197-201. illus. Je.1923. no.6.
Bibliographical foot-notes.

Compt. Rend. Acad. Sci. Paris.

Chevalier, J. & Mercier, Fernand.
Action pharmacodynamique du principe insecticide des fleurs de pyrethre. Compt. Rend. Acad. Sci. Paris. 176: 1817-1848. Je.18, 1923. no.25.

Dangeard, P. A. & Dangeard, P.
Seconde note sur la vitalité des feuilles d'Aucuba conservées dans le vide. Compt. Rend. Acad. Sci. Paris. 176: 1855-1856. Je. 25, 1923. no.26.
Bibliographical foot-note.

Goris, Albert.
Sur la composition chimique du Monotropa hypopitys L. Compt. Rend. Acad. Sci. Paris 176: 1826-1828. Je.18, 1923. no.25.
Bibliographical foot-notes.

Killian, Charles.
Coefficients d'utilisation et vitesse de croissance chez les champignons. Compt. Rend. Acad. Sci. Paris. 176: 1828-1830. Je.18, 1923. no. 25.

Lubimenko, Vladimir. & Szegloff, O.
Sur l'adaptation des plantes à la durée de la période claire de la journée. Compt. Rend. Acad. Sci. Paris. 176: 1915-1918. Je.25, 1923. no.26.

Molliard, Marin.
Sur le déterminisme de la formation des conidies chez le Sterigmatocystis nigra. Compt. Rend. Acad. Sci. Paris. 176: 1857-1859. Je.25, 1923. no.26.

Obaton, Fernand.
Recherches expérimentales sur le rougissement des cerises. Compt. Rend. Acad. Sci. Paris 176: 1824-1825. Je. 18, 1923. no. 25.

Policard, A. & Mangenot, G.
Recherches cytologiques sur l'état de l'huile dans les graines oléagineuses. La graine mûre. Compt. Rend. Acad. Sci. Paris. 176: 1841-1844. Je. 18, 1923. no.25.
Bibliographical foot-notes.

Contry Life (Amer.)

Ortloff, H. S.
Native shrubs for small gardens. Country Life [Amer.] v.44, no.3, p. 74-75. illus. July 1923.

Facts about Sugar.

Page, R. L.
Mosaic disease: its eradication and control. Facts About Sugar. 17: 14-15. Jl.7, 1923. no.1.

Flor. Exch.

Scott, L. B.
Progress of nursery stock investigations of the U. S. Department of Agriculture. Flor.Exch. 56: 25, 27. Jl.7, 1923. no.1.

Garden.

Irving, Walter.
The heronsbill family. Garden. 87: 329-331. illus. Je. 30, 1923. no. 2693.

Osborn, Arthur.
The lilacs, species and varieties. Garden. 87: 301-302. illus. Je. 16, 1923, no. 2691.

Somers, W. I.
Fragrant foliage.III. Garden. 87: 305-306. Je.16, 1923. no. 2691.

Gard. Chron.

Dicks, S. B.
Lathyrus odoratus zeylanicus. The sweet pea of Ceylon. Gard. Chron. III, 73: 364-365. Je. 30, 1923. no. 1905.

Grove, Arthur.
Rhododendron insigne. Gard. Chron. III, 73: 351-352. illus. Je.23, 1923. no. 1904.
Bibliographical foot-notes.

Millard, W. A. & Burr, Sydney.
The supposed relation of potato skin spot to corky scab. Gard. Chron. III, 73: 355. Je. 23, 1923. no. 1904.
Bibliographical foot-note.

Preston, F. G.
Paeonia emodi forma. Gard. Chron. III, 73: 365. illus. Je. 30, 1923. no. 1905.

Savage, S.
Early botanic painters, no. 6. Daniel Rabel. Gard. Chron. III, 73:336-337. illus. Je.16, 1923. no. 1903.

Shull, J. M.
The skunk cabbage. Gard. Chron. III, 73: 338. illus. Je. 16, 1923. no. 1903.

Udale, James.
Finger and toe disease at Droitwich. Gard. Chron. III, 73: 355. Je.23, 1923. no. 1904.

Ward, F. K.
Mr. Kingdon Ward's seventh expedition in Asia. no. 16. The Chiang-Ka River. Gard. Chron. III, 73: 350-351. illus. Je.23, 1923. no. 1904.

Wilson, E. H.
Pentactina rupicola. Gard. Chron. III, 73: 331. illus. Je. 16, 1923. no. 1903.

Gard. Illus.

Mackintyre, P. Baroness.
Tulip disease. Gard. Illus. 45: 381. Je. 30, 1923. no. 2312.

Hacienda.

Cunliffe, R. S.
El valor industrial y comercial del kapok. Hacienda 18: 200-203. illus. Jl. 1923. no. 7.

Hawaiian For. & Agr.

Judd, C. S.
Twenty familiar trees of Honolulu. Hawaiian For. & Agr. 20: 50-52. Ap.-Je. 1923. no.2.

Journ. Agr. Res.

Artschwager, E. F.
Occurrence and significance of phloem necrosis in the Irish potato. Journ. Agr. Res. 24: 237-246. pl. 1-5. Ap. 21, 1923.
Literature cited: p. 245.

Brandes, E.W. & Klaphaak, P. J.
Cultivated and wild hosts of sugar-cane or grass mosaic. Journ. Agr. Res. 24: 247-262 pl. 1-4. Ap. 21, 1923.
Literature cited: p. 262.

Fawcett, H. S.
Gummosis of citrus. Journ. Agr. Res. 24: 191-236. pl. 1-8. Ap.21, 1923.
Literature cited: p. 232-235.

Journ. Bath & West & South Co. Soc. Agr.

Gilchrist, Grace.
Bark canker disease of apple trees, caused by Myxosporium corticolum, Edgerton. Journ. Bath & West & South Co. Soc. Agr. Ser. 5, 17: 155-159. 1923.
In Rep. Nat. Fruit & Cider Inst. 1922.

Grubb, N. H. & Peren, G. S.
Raspberry nomenclature. Journ. Bath & West & South Co. Soc. Agr. Ser. 5, 17: 203-206. 1923.
In Rep. of Nat. Fruit & Cider Inst. for 1922.

Lees, A. H.
Statistical studies on the propagation of big bud and reversion disease of black currants. Journ. Bath & West & South Co. Soc. Agr. Ser. 5, 17: 190-195. 1923.
In Rep. of Nat. Fruit & Cider Inst. 1922.

Summers, F.
Factors governing fruit-bud formation V-VI. Journ. Bath & West & South Co. Soc. Agr. Ser.5,17: 123-132. 1923.
For earlier nos, see Barker, Bertie Thomas P.

Summers, F.
The physiology of leaf scorch. Journ. Bath & West & South Co. Soc. Agr. Ser.5, 17: 123-132. 1923.
Bibliographical foot-notes.
In Rep. Nat. Fruit & Cider Inst. for 1922.

Journ. Bath & West & South Co. Soc. Agr. (cont.)
Wallace, T.
Experiments on chlorosis - with special reference to cases at Winscombe, Somerset. Journ. Bath & West & South Co. Soc. Agr. Ser. 5, 17: 159-167. 1923.
Bibliographical foot-notes.
In Rep. Nat. Fruit & Cider Inst. for 1922.

Wiltshire, S. P.
Canker control trials. Journ. Bath & West & South Co. Soc. Agr. Ser. 5, 17: 188. 1923.
In Rep. Nat. Fruit & Cider Inst. for 1922.

Wiltshire, S. P.
Canker infection of apple trees through scab wounds. Journ. Bath & West & South Co. Soc. Agr. Ser.5, 17: 206-208. 1923.
In Rep. Nat. Fruit & Cider Inst. for 1922.

Wiltshire, S. P.
Wound dressings. Journ. Bath & West & South Co. Soc. V,17: 189-190. 1923.

Journ. Biol. Chem.
Collip, J. B.
Glucokinin. A new hormone present in plant tissue. Preliminary paper. Journ. Biol. Chem. 56: 513-543. Je. 1923. no.2.
Bibliography: p. 528.

Sando, C. E.
Constituents of the wax-like coating on the surface of the apple. Journ. Biol. Chem. 56: 457-468. Je. 1923. no.2.
Bibliography: p. 468.

Journ. Dept. Agr. & Tech. Instr. Ireland.
Murphy, P. A.
Investigations on the leaf-roll and mosaic diseases of the potato. Journ. Dept. Agr. & Techn. Instr. Ireland. 23: 20-34. illus. My. 1923. no.1.
Bibliographical foot-notes.

Journ. Dept. Agr. So. Africa.
A new disease in peanuts. Journ. Dept. Agr. So. Afr. 6: 480. Je. 1923. no. 6.

To control wild-fire in tobacco. Journ. Dept. Agr. So. Africa. 6: 480-481. Je. 1923. no.6.

Journ. Dept. Agr. Victoria.
Adam, D. B.
Experiments in citrus fruit storage. Journ. Dept. Agr. Victoria. 21: 307-317. illus. My. 1923. no. 5.

Journ. Hered.
Benedict, R. C.
Artifical varieties under natural conditions. Can the bud sports of the Boston fern thrive under conditions of natural selection. Journ. Hered. 14: 115-116. Je. 1923. no. 3.

Lindstrom, E. W.
Heritable characters of maize. XIII. Endosperm defects - Sweet defective and Flint defective. Journ. Hered. 14: 127-135. illus. Je. 1923. no. 3.

Journ. Hered. (cont.)
Mangelsdorf, P. C.
The inheritance of defective seeds in maize. Journ. Hered. 14: 119-125. illus. Je. 1923. no. 3.
Bibliographical foot-note.

Whiting, P. W.
Further points on the relation of cytology and genetics. Journ. Hered. 14: 116-118. Je. 1923. no. 3.
Literature cited: p. 118.

Journ. Indian Bot. Soc.
Kashyap, S. R.
A new liverwort from Madras. Journ. Indian Bot. Soc. 3: 201-203. illus. My. 1923. no. 7.
Fysonia n.g. F. tenera.

Parthasarathy Iyengar, M. O.
Note on some attached forms of Zygnemaceae. Journ. Indian Bot. Soc. 3: 192-200. pl. i-iv. My. 1923. no. 7.
Literature cited; p. 198.

Sabnis, T. A.
The flora of Sind. Journ. Indian Bot. Soc. 3: 204-206. My. 1923. no. 7.

Sahni, B.
On the theoretical significance of certain so-called "abnormalities" in the sporangiophores of the Psilotaceae. Journ. Indian Bot. Soc. 3: 186-191. illus. My. 1923. no. 7.
Literature cited: p. 190-191.

Journ. & Proc. Roy. Soc. N.S.W.
Cambage, R. H.
Acacia seedlings. Part VII. Journ. & Proc. Roy. Soc. N.S.W. (1921) 55: 105-123. pl. ii-v. 1922.
Bibliographical foot-notes.

Harrison, T. H.
Note on the occurrence in New South Wales... of the perfect stage of a Sclerotinia causing brown rot of fruits. Journ. & Proc. Roy. Soc. N.S.W. 55: 215-219. pl. xv. 1922.
Previously listed as reprint.

Maiden, J. H.
On an additional blue-leaf stringybark. Journ. & Proc. Roy. Soc. N.S.W. 55: 266-269. 1922.
Eucalyptus agglomerata n.sp.

Maiden, J. H.
Records of Australian botanists. Second supplement. Journ. & Proc. Roy. Soc. N.S.W. (1921) 55: 150-169. pl. viii-ix. 1922.

Morrison, F. R.
The occurrence of rutin in the leaves of the Boronia (N.O. Rutaceae). Journ. & Proc. Roy. Soc. N.S.W. 55: 210-214. 1922.

Penfold, A. R.
The essential oil of Leptospermum flavescens (Smith). Journ. & Proc. Roy. Soc. N.S.W. 55: 170-180. 1922.

Journ. & Proc. Roy. Soc. N.S.W. (contd.)
Penfold, A. R.
The essential oil of the leaves of Doryphora sassafras (Endlicher). Part I- Journ. & Proc. Roy. Soc. N.S.W. 55: 270-277. 1922.

Penfold, A.R.
On the occurrence of a new phenol in the essential oils of the "Leptospermum." Journ. & Proc. Roy. Soc. N.S.W. 55: 49-51. 1922.

Waterhouse, W. L.
On the production in Australia of the aecidial stage of Puccinia graminis. Journ. & Proc. Roy. Soc. N.S.W. 55: 278-288. pl. xix. 1922.
Previously listed as reprint.

Welch, M. B. & Penfold, A. R.
Two pinnate leaf boronias and their essential oils, with description of a new species. Journ. & Proc. Roy. Soc. N.S.W. 55: 196-209. pl. xii-xiv. (part col.) 1922.
Boronia thujona sp.nov. (Penfold and Welch)

Matières Grass.
Choux, Pierre.
Les plantes oléagineuses de l'Amazonie Brésilienne. Matières Grass. 15: 6450-6452. Je.15, 1923, no.182.
Bibliographical foot-notes.

Nature.
B , W.
Hay fever. Nature 111: 812-814. Je.16, 1923. no. 2798.

Naturwissenschaften.
Rawitscher, Felix.
Reizgrösse und reizreaktion im pflanzenreich. Naturwissenschaften. 11: 491-497. Je.22, 1923. no.25.
Literaturverzeichnis: p.497.

Vries, Hugo de.
Ueber stammbäume von pflanzenfamilien. Naturwissenschaften. 11: 437-441. Je.8, 1923. no.23.

Nuova Notar.
Toni, G. B. de. & Forti, A.
Ethel Sarel Barton Gepp (1864-1922) Nuova Notar. 34: 47-57. port. Ja.-Ap. 1923.
Bibliographical foot-notes.

Van Oye, Paul.
Les Hydrodictyaceae de Java. Nuova Notar. 34: 25-46. Ja.-Ap. 1923.
Bibliographical foot-notes.

Papers Mich. Acad. Sci.
Bessy, E. A.
Nymphaea microphylla in Michigan. Papers Mich. Acad. Sci. 1: 59-60. 1923.
Bibliography: p. 60.

Bowman, H. H. M.
The development and activation of hibernacula. Papers Mich. Acad. Sci. 1: 61-73. pl. xxvi-xxix. 1923.
Literature cited: p.72-73.

Darlington, H. T.
Contributions to the flora of Gogebic county, Michigan.. II. Papers Mich. Acad. Sci. 1: 74-82. 1923.

Papers Mich. Acad. Sci. (cont.)

Farwell, O. A.
Notes on the Michigan Flora IV. Papers Mich. Acad. Sci. 1: 85-100. 1923.

Kauffman, C. H.
The mycological flora of the higher Rockies of Colorado. Papers Mich. Acad. Sci. 1: 101-150. p. xxx-xxxiv. 1923.
References to literature: p. 150.

La Rue, C. D.
Notes on a bud-sport of Hibiscus mutabilis L. Papers Mich. Acad. Sci. 1: 151-154. 1923.

MaAtee, W. L.
Notes on interesting plants of Michigan. Papers Mich. Acad. Sci. 1: 155-166. 1923.
Bibliographical foot-notes.

Thompson, B. E.
Distribution of the Violaceae of Michigan. Papers Mich. Acad. Sci. 1: 167-184. pl. xxv-xxvi. 1923.

Yuncker, T. G.
The genus Cuscuta in Michigan. Papers Mich. Acad. Sci. 1: 185-189. 1923.

Zeeuw, Richard de.
The value of double infiltration in botanical microtechnique. Papers Mich. Acad. Sci. 1: 83-84. 1923.
Bibliography: p. 84.

Pharm. Journ.

Mellor, E. W.
The countries our drugs come from. VII.
(a) Burma (conclusion of article on India).
(b) Formosa. Pharm. Journ. IV, 56: 584-585. Je.30, 1923. no. 3115.

Phytopath.

Baxter, D.V.
White pine blister rust in Michigan. Phytopath. 13: 285-286. Je. 1923. no.6.

Cook, M.T.
Blister rust of the white pine. Phytopath. 13: 283. Je. 1923. no.6.

Cook, M. T.
A disease of dahlias. Phytopath. 13: 285. Je. 1923. no.6.
Sclerotinia libertiana.

Cook, M. T.
Dwarf asparagus. Phytopath. 13: 284. Je. 1923. no.6.

Hemmi, Takewo.
On the relation of temperature to the damping-off of garden-cress seedlings by Pythium debaryanum and Corticium vagum. Phytopath. 13: 273-282. illus. Je. 1923. no.6.
Literature cited: p. 281-282

Phytopath. (cont.)

Leonian, L. H.
The physiology of perithecial and pycnidial formation in Valsa leucostoma. Phytopath. 13: 257-272. Je. 1923. no.6.
Literature cited: p. 272.

Weir, J. R.
Polyporus spraquei Berk., cause of heart rot. Phytopath. 13: 288. Je. 1923. no.6.

Welles, C. G.
Leaf spot of lettuce. Phytopath. 13: 289. Je. 1923. no.6.
Cercospora lactucae n.sp. designated as name of fungus temporarily.

Proc. Amer. Acad.

Lewis, F. T.
The typical shape of polyhedral cells in vegetable parenchyma and the restoration of that shape following cell division. Proc. Amer. Acad. 58: 537-552. pl. i-iii. Je. 1923. no.15.
Literature cited: p. 551-552.

Queensl. Agr. Journ.

Cane disease. Queensl. Agr. Journ. 19: 374-375. My. 1923. no.5.

White, C. T. & Francis, W. D.
Queensland trees. no.20. The rose-leaf or pink marara, Ackama paniculata. Queensl. Agr. Journ. 19: 409-411. pl. 93-94. My. 1923. no.5.

Rev. Gén. Bot.

Carpentier, A.
Revue des travaux de paléontologie végétale publiés dans le cours des années 1910-1919. 2me partie: Mésozoïque. Rev. Gen. Bot. 35: 254-269. My. 1923. no. 413.
Bibliographical foot-notes.

Choux, Pierre.
Revue des travaux de botanique tropicale et subtropicale (1910-1919) Rev. Gen. Bot. 35: 244-253. My. 1923. no. 413.
Bibliographical foot-notes.

Douin, Ch.
Recherches sur le gamétophyte des marchantiées. Rev. Gen. Bot. 35: 213-226. My. 1923. no. 413.
Bibliographical foot-notes.

Jacob de Cordemoy, Hubert.
Contribution de la morphologie, de l'anatomie comparée, de la phylogénie et de la biogéographie des casuarinacées. Rev. Gen. Bot. 35: 227-243. My. 1923. no.413.

Lesage, Pierre.
Sur les fruits anormaux et l'entrainement a la résistance a la salure dans le Lepidium sativum. Rev. Gen. Bot. 35: 209-212. My. 1923. no. 413.
Bibliographical foot-note.

Science

Conn, H. J.
Standardized nomenclature of biological stains Science 57: 743-746. Je.29,1923. no.1487.

Gericke, W. F.
On the adaptation of wheat to growth media deficient in nutrients. Science 58: 17. Jl.6,1923. no.1488.

Lipscomb, G.F. and Corley, G.L.
On the vitality of cotton seed. Science 57: 741-742. Je.29,1923. no.1487.

Scient. Agr.

Baribeau, Bernard
Fletrissure et pourriture de la tige du tournesol dans la province de Québec. Scient. Agr. 3: 397-400. illus. Jl.1923. no.11.

Scient. Month.

Calkins, G. N.
The debt of science to Pasteur. Scient. Month. 17: 5-16. Jl.1923. no.1.

Raber, Oran
Botanical facilities in Paris. Scient. Month. 17: 35-42. Jl.1923. no.1

Tijdschr. Plantenz.

Dorst, J. C.
Aantasting van de aardappelplant door Rhizoctonia solani en haar bestrijding door sublimaat. Tijdschr. Plantenz. 29: 97-106. Je. 1923. no.6.

U. S. Dept. Agr. Circ.

Marsh, C.D. and Clawson, A.B.
Woolly-pod milkweed: a dangerous stock-poisoning plant. U. S. Dept. Agr. Circ. 272. 3p. illus. Je. 1923.

Wisconsin Hort.

Bacterial rot of cucumbers. Wisconsin Hort. 13: 151. Je.1923. no.10.

Combating anthracnose of muskmelons. Wisconsin Hort. 13: 151. Je.1923. no.10.

Zeitschr. Bot.

Harder, Richard
Ueber die bedeutung von lichtintensität und wellenlänge für die assimilation farbiger algen. Zeitschr. Bot. 15: 305-355. 1923. no.6.
Literatur: p. 352-355.

Exper. Stat. Publ.

Fawcett, H.S., Horne, W.T. and Camp, A.F.
Citrus blast and black pit. Calif. Agr. Exp. Stat. Techn. Paper no.5. 36 p. pl.1-6. My.1923.
Literature cited: p. 24.

Reed, H. S. and Haas, A. R. C.
Effect of sodium chlorid and calcium chlorid upon growth and composition of young orange trees. Calif. Agr. Exp. Stat. Techn. Paper no.4. 32 p. pl.1-6. Ap.1923.
Literature cited: p. 20-21.

Exper. Stat. Publ. (cont.)

Greenhouse soil sterilization. Indiana Agr. Exp. Stat. Purdue Bull. 266. 27 p. illus. D.1922.
Literature cited: p.27.

Hansen, A. A.
Two common weeds that cause death. Indiana Agr. Exp. Stat. (Purdue) Circ. 110. 8 p. illus. F.1923
Bibliographical foot-notes.
White snakeroot, water hemlock.

Daane, A.
Common smuts and their treatment. Oklahoma Agr. Exp. Stat. Circ. no.52. 2 p. 1923?

Lovett, A. L. and Barss, H. P.
Insect pests and diseases of currants and gooseberries. Oregon Agr. Exp. Stat. Circ. no.42. 12 p. illus. Je.1923.

NEW BOOKS

Borg, John
Cultivation and diseases of fruit trees in the Maltese Islands. Malta, 1922.

Bourne, B.A.
Researches on the root disease of sugar cane. Barbados, [1922?] 17 p. 5 pl. 33 cm.
Literature cited: p. 17

Marzell, Heinrich
Unserer heilpflanzen... Ethnobotanische streifzuge Freiburg im B., T. Fischer, 1922

Sartory, A. & Maire, L.
Compendium hymenomycetum f. 10 Amanita 1923.

Taubenhaus, J.J.
The culture and disease of the sweet potato. c.1923.

Reprints from Journals not yet received or not available.

Keissler, Karl
Fungi novi sinenses a D^re H. Handel-Mazzetti lecti Reprinted from Anz. Akad. Wiss. Wien Math.-Naturw. Kl. 1923. 4 p.
Acanthostigma lilii, Aecidium meliosmae, Hendersonia handelii, Leptothyrium rhododendri, Macrophoma cycadis, Monostichella symploci, Pseuderiospora (n.gen.) P. castanopsidis, Sphaerella rapaneae n. sp.

Library, Bureau of Plant Industry
Current Authors Entries, 1923, List 114.
Indexed July 16-28, 1923.

Agr. Gaz. Canada.
Neilson, J. A.
Nut culture - A new and interesting branch of horticulture. Agr. Gaz. Canada. 10: 323-330. Jl.-Ag. 1923. no.4.

Snelson, W. H.
The influence of soil fertility on the water requirements of crops. Agr. Gaz. Canada. 10: 354-359. illus. Jl.-Ag. 1923. no.4.

Agr. Gaz. N.S.W.
Birmingham, W. A.
"Sour-sap" of fruit trees. Some records of its occurrence, and experiments for its control. Agr. Gaz. N.S.W. 34: 431-437. illus. Je. 1923. no.6.

Blakely, W. F.
Weeds of New South Wales. Agr. Gaz. N.S.W. 34: 406-408. illus. Je. 1923. no. 6.

Waterhouse, W. L.
Some aspects of the wheat rust problem. Agr. Gaz. N.S.W. 34: 381-387. Je. 1923. no.6.

Whittet, J. N.
The success of elephant grass in the recent dry season. Agr. Gaz. N.S.W. 34: 388-390. illus. Je. 1923. no.6.

Agr. Mexicano y Hogar.
Hernández, Norberto.
Plantas forrajeras de nuestra flora silvestre. Agr. Mexicano y Hogar. 39: 192-195. Jl. 1923. No.7.
Melilotus indica (Melilotus parviflora, Desf.), Prosopis glandulosa (Mezquite)

Agric. Colon.
Ceresa, Giovanni.
Cenni sulle principali piante cauccifere. Agr. Colon. 17: 217-223. illus. Je. 1923. no.6.

Ann. Agr. Suisse.
Faes, Henry & Staehelin, M.
Nouvelle contribution à l'étude du coitre de la vigne (Coniothyrium diplodiella) ou maladie de la grêle. Ann. Agr. Suisse. 24: 19-28. illus. 1923. no.1.

Arch. Escola. Sup. Agr. & Med. Vet.
Rangel, Eugenio.
Ensaio de un glossario portugués referente á mycologia e á phytopathologia. Arch. Escola Sup. Agr. & Med. Vet. 6: 57-105. D.1922. no.1/2.

Arch. Rubbercult. Nederl.-Ind.
Maas, J. G. J. A.
Bruine binnenbast bestrijding. Arch. Rubbercult. Neder-Ind. 7: 253-257. Je. 1923. no.6.

Beih. [illegible]

Branscheidt, Paul.
Zur anatomie und entwicklungsgeschichte von Chaerophyllum aureum L., insbesondere seiner achsengelenke. Beih. Bot. Centralbl. Abt. I. 40: 114-136. Ap. 1923. no.1.
Literaturverzeichnis: p. 134-136.

Kern, Alfred.
Ueber den im rindenparenchym gespeicherten eiweiss-stoff. Beih. Bot. Centralbl. Abt. I. 40: 137-140. Ap. 1923. no.1.

Neumann, Hugo.
Zur kenntnis der Brownschen molekular-bewegung im pflanzenreich. Beih. Bot. Centralbl. Abt. I. 40: 141-160. Ap. 1923. no.1.
Literatur: p. 160.

Zellner, Julius.
Die symobiose der pflanzen als chemisches problem. II. Beih. Bot. Centralbl. Abt. I. 40: 1-13. Ap. 1923. no.1.
Bibliographical foot-notes.

Ber. Deut. Bot. Ges.

Alvarado, Salustio.
Die entstehung der plastiden aus chondriosomen in den paraphysen von Mnium cuspidatum. Ber. Deut. Bot. Ges. 41: 85-96. pl.i. Mr. 1923. no.2.
Literaturverzeichnis: p. 95-96.

Bachmann, E.
Das lager von Bacterosphora dryina (Ach.) Mass. Ber. Deut. Bot. Ges. 41: 100-102. Ap. 1923. no.3.

Bachmann, E.
Ueber pyknothelizie bei Cladonia. Ber. Deut. Bot. Ges. 41: 103-107. Ap. 1923. no.3.

Cholodnyj, N.
Ueber die metamorphose der plastiden in den haaren der wasserblätter von Salvinia natans. Ber. Deut. Bot. Ges. 41: 70-79. Mr. 1923. no.2.
Bibliographical foot-notes.

Dahlgren, K. V. O.
Ceratostigma, eine heterostyle gattung. Ber. Deut. Bot. Ges. 41: 35-38. illus. Mr. 1923. no.2.
Literaturverzeichnis: p. 38.

Dittrich, Gustav.
Ueber auftreten und wachstumsbedingungen von höheren pilzen. Ber. Deut. Bot. Ges. 41: 128-134. Ap. 1923. no.3.
Bibliographical foot-notes.

Eberle, Georg.
Beitrag zur kenntnis der knollenbildung bei einigen aracoen. Ber. Deut. Bot. Ges. 41: 114-120. illus. Ap. 1923. no.3.
Bibliographical foot-notes.

Grüss, J.
Die oxydation des ligninalkohols zu ligninsäure und das vorkommen der ligninsäuren in der natur. Ber. Deut. Bot. Ges. 41: 53-58. Mr. 1923. no.2.

Heinricher, Emil.
Einiges zur kenntnis der blüten von Dimorphotheca pulvialis (L.) Mnch. Ber. Deut. Bot. Ges. 41: 59-67. illus. Mr. 1923. no.2.
Bibliographical foot-notes.

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

Kappert, Hans.
Ueber ein neues einfach mendelndes merkmal bei der erbse. Ber. Deut. Bot. Ges. 41: 43-47. illus. Mr. 1923. no.2.
Bibliographical foot-notes.

Klebahn, Heinrich.
Infektionsversuche mit Taphrina tosquinetii. Ber. Deut. Bot. Ges. 41: 108-113. illus. Ap. 1923. no.3.
Literatur: p. 113.

Lindinger, Leonhard.
Beiträge zur kenntnis der monokotylen. Ber. Deut. Bot. Ges. 41: 39-42. illus. Mr. 1923. no.2.

Prianischnikow, Dimitrii.
Zur frag über die bedeutung des calciums für die pflanzen. Ber. Deut. Bot. Ges. 41: 138-144. My. 1923. no.4.
Bibliographical foot-notes.

Schanz, Fritz.
Erscheinungen der optischen sensibilisation bei den pflanzen. Ber. Deut. Bot. Ges. 41: 165-170. My. 1923. no.4.
Bibliographical foot-notes.

Schilling, Ernst.
Zur morphologie, physiologie und diagnostischen bewertung der bastfasern von Cannabis sativa. Ber. Deut. Bot. Ges. 41: 121-127. illus. Ap. 1923. no.3.
Bibliographical foot-notes.

Stocker, Otto.
Klimamessungen auf kleinstem raum an wiesen-wald- und heidepflanzen. Ber. Deut. Bot. Ges. 41: 145-150. My. 1923. no.4.
Bibliographical foot-notes.

Ubisch, G. von.
Beitrag zur einer faktorenanalyse von gerste. 4. Ber. Deut. Bot. Ges. 41: 79-84. Mr. 1923. no.2.
Bibliographical foot-notes.

Werth, Emil.
Ueber die bestäubung von Viscum und Loranthus und die frage der primitivität der windblputigkeit wie der pollenblumen bei den angiospermen I-II. Ber. Deut. Bot. Ges. 41: 151-157, 157-164. illus. My. 1923. no.4.
Bibliographical foot-notes.

Bot. Jahrb. Engl.

Engler, Adolf.
Guttiferae andinae, imprimis weberbauerianae. Bot. Jahrb. Engler. 58: (Beibl.130): 1-10. Jl. 1923. no.4.

Lauterbach, C.A.G.
Beiträge zur flora von papuasien. X. Bot. Jahrb. Engler. 58: 305-448. illus. Jl.1923. no.4.
85. Gesneriaceae papuanae. Von. R. Schlechter. 86. Die lauraceen Nordost-Neu-Guineas. Von. H. Teschner. 87. Neue palmen papuaniens II. Von O. Beccari.

Bot. Jahrb. Engl. (cont.)

Ludwig, Oskar.
Das pontische und aquilonare element in der flora schlesiens. Bot. Jahrb. Engler 58 (Beibl. 130): 11-38. map. Jl. 1923.
Verzeichnis der im text zitierten literatur: p. 37-38.

Pax, Ferdinand. & Hoffmann, K.
Euphorbiaceae-africanae. Bot. Engler Jahrb. 58 (Beibl. 130): 39-40. Jl. 1923.

Bulet. Inform. Grad. Bot. Univ. Cluj.

Borza, Al.
Bryologul Martin Péterfi. Bulet. Inform. Grad. Bot. Univ. Cluj. 3: 1-13. port. 1923.
----- ----- Contr. Bot. Cluj. Roumanie. 1: 597-603. port. Ap. 1923.
French translation.

Prodan, Gyula.
Ameliorarea locurilor alcaline. Bulet. Inform. Grad. Bot. Univ. Cluj. 3: 36-47. pl. 1. 1923. no. 1/2.
Bibliographical foot-notes.
German summary: p. 46-47.

Savulescu, Traian.
Consideratiuni geografo-morfologice asupra unor specii de Campanula. Bulet. Inform. Grad. Bot. Univ. Cluj. 3: 49-54. map. 1923. no. 1/2.
Bibliographical foot-notes.
French translation: p. 52-54.

Bull. Dept. Agr. Ceylon.

Gadd, C. H.
Experimental errors of field trials with Hevea. Bull. Dept. Agr. Ceylon. no. 66. 22 p. Mr. 1923.
Literature cited: p. 22.

Bull. Misc. Inform. Kew.

Dallimore, William.
Lilac wood (Syringa vulgaris, L.) Bull. Misc. Inform. Kew no. 6. p. 240. 1923.

Dixon, H. N. & Gepp, A.
Rehmann's South African mosses. Bull. Misc. Inform. Kew no. 6. p. 193-235. 1923.

T , W. B.
Solenestemma argel in the Sahara. Bull. Misc. Inform, Kew no. 6, p. 239. 1923.

Bull. Soc. Mycol. France.

Azoulay, Léon.
De l'utilité des rapports annuels sur les marchés aux champignons pour les progrès de la mycologie, etc. Bull. Soc. Mycol. France 39: 77-78. 1923. no. 1.

Azoulay, Léon.
Le recrutement des vérificateurs de champignons. Bull. Soc. Mycol. France. 39: 73-76. 1923. no. 1.
Bibliographical foot-notes.

Bellaing, Jacques de.
Quelques observations sur les champignons des environs de Tours pendant le trimestre janvier-mars, 1923. Bull. Soc. Mycol. France. 39: 87-88. 1923. no. 1.

Billiard, Georges.
Milieux favorisant la culture des moisissures. Bull. Soc. Mycol. France 39: 69-72. 1923. no. 1.
Bibliographical foot-note.

Bull. Soc. Mycol. France.

Chenantais, J. E.
Valeur taxinomique du sillon germinatif des ascopores chez lew pyrénomycètes. Bull. Soc. Mycol. France 39: 65-68. 1923. no.1.
Bibliographical foot-notes.

Dumée, Paul. & Burlet.
Note sur le Leucangium carthusianum Tul. Bull. Soc. Mycol. France 39: 62-64. illus. 1923. no.1.

Konrad, P.
Notes critiques sur quelques champignons du Jura. Bull. Soc. Mycol. France. 39: 27-45. col.pl.i-iii. 1923. no.1.

Magnin, Antoine.
Herborisation mycologique au Grand-Colombier-du-Bugey (Ain). Bull. Soc. Mycol. France. 39: 84-96. 1923. no.1.
Bibliographical foot-notes.

Magnin, Antoine.
Présentation de deux monstruosités de champignone. Bull. Soc. Mycol. France. 39: 59-61. illus., pl.vi. 1923. no.1.
Bibliographical foot-notes.

Morel,
L'inspection des champignons dans la ville de Saint-Etienne. Bull. Soc. Mycol. France. 39: 79-83. 1923. no.1.

Patouillard, Narcisse.
Herborisations mycologiques au Cambodge. Bull. Soc. Mycol. France. 39: 46-58. illus., pl.iv-v. 1923. no.1.

Bull. Soc. Vaud. Sci. Nat.

Cruchet, Denis.
Recherches mycologiques à Montagny et aux environs d'Yverdon. Bull. Soc. Vaud. Sci. Nat. 55: 37-50. illus. 1923. no.210.

Cairo Sci. Journ.

Hachadurian, S.
The rose of Jericho (Asteriscus pygmaeus) Cairo Sci. Journ. 11: 147-148. Je. 1923. no.110-111.

Citrus. Indust.

Control diseases of grapes by applying a Bordeaux mixture. Citrus Indust. 4: 20. Jl.1923. no.7.

Watson, J.R.
Entomogenous fungi on citrus. Citrus Indust. 4: 44. Jl. 1923. no.7.

Compt. Rend. Acad. Agr. France.

Capus, Joseph.
Les conditions d'action des bouillies cupriques contre le mildiou. Compt. Rend. Acad. Agr. France. 9: 543-554. Je.13, 1923. no.20.

Maquenne, Leon.
Action des sels de cuivre sur la végétation. Compt. Rend. Acad. Agr. France. 9: 584-587. Je. 27, 1923. no.22.

Compt. Rend. Acad. Sci. Paris.
Blaringhem, Louis.
Surla mosaïque des sexes chez un hybride d'oseilles sauvages (Rumex acetosa L. x R. Scutatus L.) Compt. Rend. Acad. Sci. Paris 177: 69-71. Jl.2, 1923. no.1.
Bibliographical foot-note.

Dangeard, Pierre.
Remarques sur l'état de l'huile à l'intérieur des graines oleagineuses. Compt. Rend. Acad. Sci. Paris. 177: 67-69. illus. Jl.2, 1923. no.1.
Bibliographical foot-notes.

Contr. U.S. Nat. Herb.
Standley, P.C.
Trees and shrubs of Mexico. (Oxalidaceae-Turneraceae) Contr. U.S. Nat. Herb. v.23,pt. 3. p.517-848. 1923.

Costa Azzurra Agr.-Flor.
Calvino, Mario.
Sulla opportunità di tentare in Italia la coltivazione della Manihot utilissima Pohl. Costa Azzurra Agr. Flor. 3: 169-176. illus. Jl.1923. no.7.
Bibliografia: p. 176.

Country Life, London.
Wilson, E. H.
Oriental crab apples. Country Life. 54: 9-12. illus. Jl. 7, 1923. no.1383.

Dansk. Bot. Ark.
Christensen, Carl.
Index to Pehr Forsskal: Flora Aegyptiaco-Arabica 1775, with a revision of Herbarium Forsskalii contained in the botanical museum of the University of Copehagen. Dansk. Bot. Ark. v.4. 54 p. 1922. no.3.

Petersen, H. E.
Études ultérieures sur la polymorphie de l'Anthriscus silvester (L.) Hoffm. Dansk Bot. Ark. v.4. 28 p. 1922 no.2.

Facts about Sugar.
Fealy, N.E.
Sugar producing palms, their history, description, habitat, sugar, and products other than sugar. Facts about Sugar. 17: 58-61. illus. Jl.21, 1923. no.3.

Gard.Chron.
Carbon dioxide and plant growth. Gard.Chron. III,74: 1. Jl. 7, 1923. no.1906.

History of the Oxford Botanic Gardens. Gard. Chron. III,74: 22-23. Jl.14, 1923. no.1907.

Melon canker. Gard. Chron. III,74: 25. Jl.14, 1923.

Ward, F. K.
Mr. Kingdon Ward's seventh expedition in Asia. no.17. Bact to A-tun-tzu. Gard.Chron. III, 74: 6. Jl.7, 1923. no.1906.

Gard. Chron. Amer.
Bade, E.
Ornamental vines, their cultivation and use. Gard. Chron. Amer. 27: 173-174. illus. Jl.1923. no.7.

Gard. Illus.
Peached mildew. Gard. Illus. 45: 426. Jl.14, 1923. no.2314.

Gard. Mag.
Hamblin, S. F.
Some new Alpines for garden use. Gard.Mag. 37: 364. illus. Ag. 1923. no.6.

Wilson, E. H.
Travel tales of a plant collector. VIII. The Orient, ancient mother of to-day's garden. Gard. Mag. 37: 384-387. illus. Ag. 1923. no.6.

Illus. Landw. Zeit.
Klapp, Ernst.
Wiesenpflanzenbestände und ihre beeinflussung. Illus. Landw. Zeit. 43: 200-202. illus. Je.22, 1923. no.25.

Ludwigs, Karl.
Beobachtung uber die bodensäure-krankheit an getreide. Illus. Landw. Zeit. 43: 210-211. Je.29, 1923. no.26.

Journ. Agr. Prat.
Mottet, Seraphim.
Les graminées des prairies en terres moyennes. Journ. Agr. Prat. n.s.40: 12-14. col.pl.ii. Jl.7, 1923. no.27.

Journ. Agr. Res.
Harris, F.S., Thomas, M.D. & Pittman, D.W.
Toxicity and antagonism of various alkali salts in the soil. Journ. Agr. Res. 24: 317-338. Ap. 28, 1923. (Jl.17,1923). no.4.
Literature cited: p. 337-338.

McClintock, J.A.
Peach rosette, an infectious mosaic. Journ. Agr. Res. 24: 307-315. pl.1-10. Ap. 28, 1923. (Jl.17,1923) no.4.
Bibliographical foot-notes.

Morris, H.E. & Nutting, G.B.
Identification of certain species of Fusarium isolated from potato tubers in Montana. Journ. Agr. Res. 24: 339-364. pl.1-3. Ap.28, 1923 (Jl.17,1923) no.4.
Literature cited: p.363-364.

Journ. Amer. Pharm. Assoc.
Adolphus W. Miller. Journ. Amer. Pharm. Assoc. 12: 649. port. Jl.1923. no.7.

Hogstad, Anton.
A morphological and chemical study of Nicandra physalodes (L.) Pers. Journ. Amer. Pharm. Assoc. 12: 576-582. illus. Jl. 1923. no.7.
References: p.582.

Newcomb, E.L.
Sources of medicinal plants and seeds. Journ. Amer. Pharm. Assoc. 12: 583-586. Jl.1923. no.7.

Journ. Amer. Soc. Agron.

Coffman, F. A.
The minimum temperature of germination of seeds. Journ. Amer. Soc. Agron. 15: 257-270. Jl.1923. no.7.
Literature cited: p. 269-270.

McCall, A. G.
The influence of acidity itself on plant growth without regard to other factors. Journ. Amer. Soc. Agron. 15: 290-297. Jl. 1923. No.7.
Literature cited: p. 296-297.

Morse, F. W.
Influence of plane of nutrition on susceptibility to injury from toxic concentrations. Journ. Amer. Soc. Agron. 15: 297-300. Jl. 1923. no. 7.

Schreiner, Oswald.
Toxic organic soil constituents and the influence of oxidation. Journ. Amer. Soc. Agron. 15: 270-276. Jl. 1923. no.7.

Journ. Gen. Physiol.

Chambers, Robert, & Sands, H. C.
A dissection of the chromosomes in the pollen mother cells of Tradescantia virginica L. Journ. Gen. Physiol. 5: 815-819. pl. i. Jl. 1923. no.6.
Bibliographical foot-notes.

Loeb, Jacques.
Theory of geotropism based on mass action. Journ. Gen. Physiol. 5: 853-863. illus. Jl. 1923. no.6.
Bibliographical foot-notes.

Loeb, Jacques.
Theory of regeneration based on mass action. Journ. Gen. Physiol. 5: 831-852. illus. Jl. 1923. no.6.
Bibliographical foot-notes.

Journ. Min. Agr. Gt. Brit.

Stapledon, R. G.
Alsike clover. Journ. Min. Agr. Gt. Brit. 30: 303-308. pl.1-2. Jl. 1923. no.4.

Wormald, H.
Blossom wilt of plum trees. Journ. Min. Agr. Gt. Brit. 30: 360-363. illus. Jl. 1923. no.4.
Bibliographical foot-notes.

Journ. N.Y. Bot. Gard.

Crawford, J. A.
Hardy ferns. Journ. N.Y. Bot. Gard. 24: 114-119. Je. 1923. no.282.

Small, J. K.
The needle palm - Rhapidophyllum hystrix. Journ. N.Y. Bot. Gard. 24: 105-114. illus. Je. 1923. no. 282.

Journ. Soc. Nat. Hort. France.

Bernard, Noël.
La culture des orchidées dans ses rapports avec la symbiose. Journ. Soc. Nat. Hort. France. ser.4, 24: 180-193. My. 1923.

Nomblot, Alfred.
Les floralies gantoises de 1923. Journ. Soc. Nat. Hort. France. ser.4, 24: 194-196. My. 1923.

Sallier, J.
Les plantes nouvelles et les vertes de serre. Journ. Soc. Nat. Hort. France. ser.4, 24: 196-200. May 1923.

Landscape Arch.

Blanchard, R. W.
Gardens of the Villa Palmieri at Florence. Landscape Arch. 13: 244-252. illus. Jl.1923. no.4.

Hamblin, S. F.
Tree grouping when planting. Landscape Arch. 13: 239-243. Jl. 1923. no.4.

Mem. Soc. Cubana Hist. Nat. "Felipe Poey"

Calvino, E.M. de.
Casos raros de cleistanteria observados en Cuba. Mem. Soc. Cubana Hist. Nat. "Felipe Poey." 5: 99-105. 1923. no.2/4.
Bibliographical foot-notes.

Riog y Mesa, J. T.
Reseña sobre una excursion botanica a Isla de Pinos. Mem. Soc. Cubana Hist. Nat. "Felipe Poey." 5: 72-76. 1923. no.2/4.

Möller's Deut. Gärtn.Zeit.

Junge,Heinrich.
Nymphaea tuberosa gladstoniana und var. "Pötlingberg" Nymphaea odorata "Rosennymphe." Möller's Deut. Gärtn.Zeit. 38: 129-130. illus. Je.20, 1923. no.17.

Purpus, J. A.
Lycianthes peduncularis Bitter. Eine interessante solanacee aus Mexiko Möller's Deut. Gärtn. Zeit. 38: 130. illus. Je.20, 1923. no. 17.

Mycologia.

Fitzpatrick, H. M.
Generic concepts in the Pythiaceae and blastocladiaceae. Mycologia. 15: 166-173. Jl. 1923. no.4.
Bibliographical foot-notes.

Shear, C. L.
Phoma: a sample of mycological nomenclature and classification. Mycologia. 15: 174-182. Jl. 1923. no.4.
Literature cited: p. 182.

Snell, W.H.
Occurrence and identity of cotton mill fungi. Mycologia. 15: 153-165. Jl. 1923. no.4.
Bibliography: p. 165.

Weir, J. R.
The genus Chrysomyxa. Mycologia. 15: 183-187. pl.17. Jl. 1923. no.4.
Literature cited: p. 187.

Naturwissenschaften.

Correns, Carl.
Richard Wettstein - Westersheim. Zu seinem sechzigsten geburtstage. Naturwissenschaften. 11: 509-512. Je.29, 1923. no.26.

New Jersey Agr.

Poole, R. F.
Here are fifteen things that may happen to a tomato between the seed time and the harvest. Fruit rots and other troubles - How to control them. New Jersey Agr. 5: 10-12. illus. Je. 1923. no.6.

New Zeal. Journ. Sci. & Techn.

Cunningham, G. H.
Sphaerobolus stellatus Tode. A fungus with a remarkable method of spore-dissemination. New Zeal. Journ. Sci. & Techn. 6: 16-19. illus. My. 1923. no.1
Literature cited: p. 19.

North Amer. Flora.

Rydberg, Per Axel.
(Rosales) Fabaceae: indigofereae, galegeae (pars) In North Amer. Flora. 24: 137-200. Jl. 1923 no.3.

Orchid Rev.

Welch, T. C.
An abnormal Dendrobium superbum. Orchid Rev. 31: 195-196. illus. Jl. 1923. no.361.

Parfum. Mod.

Gattefossé, Jean.
Parfums berbères. Parfum. Mod. 16: 131. Je. 1923. no.6.

Jahandiez, Emile.
Notes sur les composées aromatiques. Parfum. Mod. 16: 137-140. illus. Je. 1923. no.6.
Bibliographical foot-notes.

Rolet, Antonin.
De l'hydridation chez lex Eucalyptus. Parfum. Mod. 16: 130. Je. 1923. no.6.

Rolet, Antoine.
Le greffage des vieux rosiers. Parfum. Mod. 16: 148. Je. 1923. no.6.

Philipp. Journ. Sci.

Lee, H. A.
A disease of Satsuma and Mandarin orange fruits caused by Gloeosporium foliicolum Nishida. Philipp. Journ. Sci. 22: 603-615. col. pl. 1. Je. 1923. no.6.
Literature cited: p. 614.

Phytopath.

Burkholder, W. H.
The gamma strain of Colletotrichum lindemuthianum (Sacc. et Magn.) B. et C. Phytopath. 13: 316-323. Jl. 1923. no.7.
Literature cited: p. 323.

Doolittle, S. P. & McKinney, H.H.
Intracellular bodies in the phloem tissue of certain plants and their bearing on the mosaic problem. Phytopath. 13: 326-329. pl.xv. Jl. 1923. no.7.
Literature cited: p.329.

Gardner, M. W. & Kendrick, J.B.
Bacterial spot of tomato and pepper. Phytopath. 13: 307-315. pl.xiv. Jl. 1923. no.7.
Literature cited: p.315

Heald, F. D. & Boyle, L.W.
Further notes on the relation of the spore load to the per cent of stinking smut appearing in the crop. Phytopath. 13: 334-337. Jl.1923. no.7.
Bibliographical foot-notes.

Kofoid, C. A., Severin, H.H.P., & Swezy, O.
Nelson's spiral bodies in tomato mosaic not protozoans. Phytopath. 13: 330-331. Jl.1923. no.7.
Bibliographical foot-notes.

Phytopath. (cont)

Kotila, J. E. & Coons, G.H.
Trypanosome-like bodies in Solanaceous plants. Phytopath. 13: 324-325. Jl. 1923. no.7.
Literature cited: p. 325.

Orton, W.M. & Beattie, R.K.
The biological basis of foreign plant quarantines. Phytopath. 13: 295-306. Jl.1923. no.7.

Valleau, W. D.
Over-summering of leaf rust of cereals in Kentucky. Phytopath. 13: 338-340. Jl. 1923. no.7.

Proc. Biol. Soc. Wash.

Tidestrom, Ivar.
New or noteworthy species of plants from Utah and Nevada. Proc. Biol. Soc. Wash. 36: 181-184. My. 1,1923.

Proc. Roy. Soc. Ser.B.

Balls, W. L.
The determiners of cellulose structure as seen in the cell-wall of cotton hairs. Proc. Roy. Soc. Ser.B. 95: 72-89. Pl.5-6. Jl.1923. no.B665.
"References": p. 88.
Bibliographical foot-notes.

Tupper-Carey, R. M. & Priestley, J.H.
The composition of the cell-wall at the apical meristem of stem and root. Proc. Roy. Soc. Ser. B. 95: 109-131. Jl. 1923. no. B.665.
References: p.130-131.

Quart. Journ. For.

Benton, Ernest.
The horse chestnut in spring. Quart. Journ. For. 17: 128-131. Jl. 1923. no.3.

Dallimore, William.
Some useful decorative trees. Quart. Journ. For. 17: 138-142. Jl. 1923. no.3.

Somerville, William.
Growth in thickness of a tree. Quart. Journ. For. 17: 98-114. illus. Jl. 1923. no.3.

Rev.Hist.Nat. Appl. pt. I.

Dufrénoy, Jean.
La résistance aux maladies des essences forestières et fruitières introduites en France. Rev. Hist. Nat. Appl. Pt.I. 4: 145-160. illus. My. 1923. no.5.

Rev. Vitic.

Marsais, Paul.
Maladie de l'esca. Rev. Vitic. 59: 8-14. Jl. 5, 1923. no.1514.
Bibliographical foot-note.

Viala, Pierre.
Françoise Convert. Rev. Vitic. 59: 5-7. port. Jl.5, 1923. no.1514.

Rhodora.

Blake, S. F.
The forms of Osmorhiza longistylis. Rhodora. 25: 110-111. Jl. 1923. no.295.
Bibliographical foot-note.

Blake, S. F.
Notes on two Ericaceae of the Boston district flora. Rhodora. 25: 116. Jl. 1923. no.295.
Bibliographical foot-notes.

Fernald, M. L.
Baffin Land plants collected by the Macmillan expedition, 1922 Rhodora. 25: 111-114. Jl. 1923. no.295.
Bibliographical foot-notes.

Fernald, M. L.
Notes on the distribution of Najas in northeastern America. Rhodora. 25: 105-109. Jl.1923. no.295.
Bibliographical foot-notes.

St. John, Harold.
William Conklin Cusick. Rhodora. 25: 101-105. port. Jl. 1923. no.295.

Weatherby, C. A.
The identity of Carex gynandra Schewin. Rhodora. 25: 115-116. Jl. 1923. no.295.

Science.

Benedict, R. C.
Game laws for the conservation of wild plants. Science n.s.58: 39-41. Jl.20, 1923. no.1490.

Scient. Amer.

Skerrett, R. G.
Immunizing cabbage by natural selection. Now nature's standard biological process is adopted and speeded up by man. Scient. Amer. 129: 97. illus. Ag. 1923. no.2.

Seed World.

Fuller, Harrison.
Black stem rust is near defeat. Seed World. 14: 13-14. illus. J..20, 1923. no.2.

Soil Sci.

Barnette, R. M. & Shive, J. W.
The influence of solution volume upon plant growth in relation to reaction change and iron availability in culture solutions. Soil Sci. 15: 413-425. My. 1923. no.5.
References: p. 425.

Bryan, O. C.
The effect of different reactions on the growth and calcium content of oats and wheat. Soil Sci. 15: 375-380. pl. 1. My. 1923. no.5.
References: p. 378-389.

Shedd, O. M.
Effect of adsorption and other factors on certain plant food constituents obtained in the dilute nitric acid digestion of soils and an improvement for their estimation. Soil Sci. 15: 383-393. My. 1923. no.5.
References: p. 393.

So. Afr. Fruit Grow.

Wiley, R. C. and Gordon, N. E.
Availability of adsorbed phosphorus. Soil Sci. 15: 371-372. pl. 1. My, 1923. no.5.
References: p. 372.

Fruit tree diseases and their treatment. So. Afr. Fruit Grow. 10: 177, 179. illus. Je.1923. no.6.

Succulenta

Schwantes, G.
De nieuwe door K. Dinter in Zuidwest-Afrika ontdekte Mesembrianthemums. Succulenta 5: 65-69. Je.30, 1923. no.6.
Bibliographical foot-notes.

U. S. Dept. Agr. Circ.

Marsh, C. D., Clawson, A. B. and Couch, J. F.
Greasewood as a poisonous plant. U. S. Dept. Agr. Circ. no. 279. 4 p. illus. Jl.1923.

Yale Univ. Sch. For. Bull.

Record, S. J. and Garratt, G. A.
Cocobolo. Bull. Yale Univ. Sch. For no.8. 42 p. pl. i-vii. 1923.
Bibliographical foot-notes.

Exper. Stat. Publ.

Fawcett, H. S.
Gum diseases of citrus trees in California. California Agr. Exp. Stat. Bull. no.360. p. 370-423. illus. Ap.1923.
Bibliographical foot-notes.

Britton, W. E. and Clinton, G. P.
Spray calendar. Connecticut Agr. Exp. Stat. Bull. no.244. p.183-225. illus. Ja.1923.

Zappe, M. P. and Stoddard, E. M.
Results of dusting versus spraying in Connecticut apple and peach orchards in 1922. Connecticut Agr. Exp. Stat. Bull. no.245. p. 229-243. F.1923.

Pope, W. T.
The acid lime fruit in Hawaii. Hawaii Agr. Exp. Stat. Bull. no. 49. 20 p. pl. i-vi. 1923.
Bibliographical foot-notes.

Thomas, R. C.
A new fruit spot of apple, Brooks' spot. Ohio Agr. Exp. Stat. Mo. Bull. 8: 91-96. illus. My.-Je. 1923. no.5/6.

State Publications

Bisby, G. R.
Manitoba potato diseases and their control. Manitoba. Dept. Agr. & Immigration. Ext. Bull. no.66. 19 p. illus. Mr.1923.

Johnson, Ethelbert
A new noxious weed in California. (Russian knapweed; Centaurea repens L. (C. picris Pall)) California Dept. Agr. Mo. Bull. 12: 92-105. illus. Mr.-Ap. 1923. no.3-4.
Literature cited: p. 105.

Milbrath, D. G.
The rootknot nematode in relation to deciduous fruit trees and grapevines. California Dept. Agr. Mo. Bull. 12: 127-135. illus. Mr.-Ap.1923. no.3-4.

State Publications (cont.)

Nougaret, R. L.
Rootknot on grape. California Dept. Agr. Mo. Bull. 12: 139-146. illus. Mr.-Ap.1923. no.3-4.
Bibliographical foot-notes.

Scott, C. E.
Diseases of alfalfa in California. California Dept. Agr. Mo. Bull. 12: 151-152. Mr.-Ap.1923. no.3-4.

Smith, E. H.
The stem nematode of alfalfa in California. California Dept. Agr. Mo. Bull. 12: 136-138. illus. Mr.-Ap.1923. no.3-4.
Bibliographical foot-notes.

New Books

American Rose Society
Annual. 1923.

Ridley, H. N.
Flora of the Malay Peninsula. v.2. 1923.
v. 2. Gamopetalae.

Sampson, H. C.
The coconut palm. 1923.

Library, Bureau of Plant Industry
Current Authors Entries, 1923, List 115.
Indexed July 30-Aug.11, 1923.

Acta Hort. Berg.

Almquist, Ernst.
Studien über Capsella bursa pastoris (L.) II. Acta Horta Berg. 7: 41-95. illus. 1923.

Mörner, C. T.
Om Rosa acicularis Lindl., särskilt med hänsyn till förekomsten i vart land. Acta Horta Berg. 7: 383-402. illus. 1923.
Litteratur: p. 399-402.

Täckholm, Gunnar.
Zytologische studien über die gattung Rosa. Acta Hort. Berg. 7: 97-381. illus. 1923.
Litteraturverzeichnis: p. 376-381.

Acta Soc. Bot. Polon.

Heitzmanowna, Wanda.
Nowe stanowisko krasnorosta Ceramothamnion codii Richards w zatoce gdańskiej. (Ceromothamnion codii Richards in the Gulf of Dantzig. Acta Soc. Bot. Polon. 1: 93-96. 1923. no.2.
Bibliographical foot-notes.
English summary: p. 96.

Hryniewiecki, Bolesław.
O hamujacym wpływie ciepłych kapieli na rozwój bulw. (L'influence inhibitoire des bains chauds sur le développement des bulbes). Acta Soc. Bot. Polon. 1: 120-122. illus. 1923. no.2.
Bibliographical foot-notes.
French résumé: p. 122.

Siemaszko, Wincenty.
Spis śluzowców z okolic Suchumu na Kaukazie. (Liste des myxomycètes trouvés aux environs de Soukhoum dans le Caucase). Acta Soc. Bot. Polon. 1: 90-92. 1923. no.2.
French résumé: p. 92.

Szafer, Władysław.
Trzeciorzedowe rośliny górskie na wale scytyjskim w ostoi podolsko-wołyńskiej. (Les plantes tertiaires montagnardes sur la chaire scytique dans le refuge de Podolie et de Volhynie.) Acta Soc. Bot. Polon. 1: 97-119. maps. 1923. no.2.
Spis cytowanej literatury: p. 115-116.
Bibliographical foot-notes.
French résumé: p. 117-119.

Wierdak, Szymon.
Bez josiki (Syringa josikaea Jacq. fil.) w Karpatach nad górnym Stryjem. (Syringa josikaea au cours supérieur de Stryj dans les Carpathes). Acta Soc. Bot. Polon. 1: 85-89. 1923. no.2.
Bibliographical foot-notes.
French résumé: p. 88-89.

Agron. Colon.

Deuss, J. J. B.
L'huile grasse des graines de thé. Agron. Colon. 8: 161-171. pl. Je. 1923. no.66.
Bibliographical foot-notes.

Agron. Colon. (cont.)

Pieraerts, J.
A propos de l'abre á pain. Agron. Colon. 8: 172-179. pl. Je. 1923. no.66.
Bibliographical foot-notes.

Amer. Journ. Bot.

Allen, C. E.
The potentialities of a cell. Amer. Journ. Bot. 10: 387-398. Jl.1923. no.7.

Curtis, O. F.
The effect of ringing a stem on the upward transfer of nitrogen and ash constituents. Amer. Journ. Bot. 10: 361-382. illus. Jl.1923. no.7.
Literature cited: p. 382.

Sands, H. C.
The structure of the chromosomes in Tradescantia virginica L. Amer. Journ. Bot. 10: 343-360. illus., pl.xxix-xxx. Jl. 1923. no.7.
Literature cited: p. 356-359.

Ann. Sci. Nat. Bot.

Zaepffel, Edgar.
Contribution a l'étude du géotropisme. Ann. Sci. Nat. Bot. X,5: 97-192. illus. Je.1923. no.3-4.
Index bibliographique: p. 189-190.

Ann. Staz. Sper. Agrum. e Fruttic. Acireale.

Savastano, Luigi.
La biologia colturale del limone nel versante orientale etneo. Ann. Staz. Sper. Agrum. e Fruttic. Acireale. 6: 1-52. pl. i-v. 1922.
Opere comsultate: p. 50-51.

Savastano, Luigi.
Della coltivazione dell'anona in Italia. Ann. Staz. Sper. Agrumic. & Fruttic. 7: 1-32. pl.i-iv. 1922.
Opere citate: p. 30-32.

Austral. For. Journ.

Helms, W.
Tanning industry and wattle cultivation. Austral. For. Journ. 6: 145-152. Je.15, 1923. no.6.

Beih. Bot. Centralbl.

Becker, Wilhelm.
Violae asiaticae et australenses. VI. Beih. Bot. Centralbl. 40(1): 119-171. Je. 1923. no.2.

Fedchenko, O. A. & Fedchenko, Boris.
Conspectus florae turkestanicae. Beih. Bot. Centralbl. 40(1): 172-222. Je. 1923. no.2.

Weiss, R. F.
Die gipsflora des südharzes. Eine vegetationsskizze. Beih. Bot. Centralbl. 40: 223-252. Je. 1923. no.2.
Literatur: p. 251-252.

Bot. Mag. Tokyo.

Hagiwara, Tokio.
Genetic studies of flower-colour in the morning-glory. Bot. Mag. Tokyo. 37: (71)-(84). Mr.1923. no. 435.
Bibliographical foot-notes.
In Japanese.
English résumé: p. 34-35.

Kihara, Hitoshi. & Ono, Tomowo.
Cytological studies on Rumex L. I- Bot. Mag. Tokyo. 37: (84)-(90). Mr. 1923. no.435.
In Japanese.
English résumé: p. 35-36.
I. Chromosomes of Rumex acetosa L.

Koidzumi, Gen'iti.
Contributiones ad cognitionem florae asiae orientalis. Bot. Mag. Tokyo. 37: 37-59. Ap. 1923. no.436.

Nakai, Takenoshin.
Genera nova rhamnacearum et leguminosarum ex Asia orientali. Bot. Mag. Tokyo. 37: 29-34. Mr. 1923. no. 435.
Bibliographical foot-notes.

Nishimura, Makoto.
The theory of the spherical thallus formation of Aegagropila sauteri (Nees) Kütz. Bot. Mag. Tokyo. 37: (105)-(113). pl. ii. Ap. 1923. no.436.
In Japanese.
English résumé: p. 62.

Bull. Misc. Inform. Kew.

Chipp, T. F.
Notes on upper Guinea Flacourtiaceae. Bull. Misc. Inform. Kew. 1923 p. 265-266. no.7.

Hutchinson, John.
Contributions towards a phylogenetic classification of flowering plants. II. Bull. Misc. Inform. Kew. 1923. p. 241-261. illus., maps. no.7.
Bibliographical foot-notes.

Wright, C. H.
Pita and silk grass. Bull. Misc. Inform. Kew. 1923. p.266-267. no.7.
Bibliographical foot-notes.

Bull. Soc. Bot. Ital.

Cengia-Sambo, M.
Orchidaceae dell'Urbinate. Bull. Soc. Bot. Ital. 1923, no.3. p.34-49.
Bibliographical foot-notes.

Cengia-Sambo, M.
Terzo contributo alla flora crittogamica dell' Urbinate. Bull. Soc. Bot. Ital. 1923, no.3. p. 49-53.
Bibliographical foot-notes.

Cimini, Maria.
Alcune anomalie fiorali nella Gentiana clusii Perr. et Song. e nella Gentiana nivalis L. Bull. Soc. Bot. Ital. 1923, no.3. p.53-59. illus.

Cobau, R.
La Siegesbeckia orientalis L. nel veneto. Bull. Soc. Bot. Ital. 1923, no.3. p.59-64.
Bibliographical foot-notes.

Bull. Torrey Club.

Levine, Michael.
Studies on plant cancers IV. The effects of inoculating various quantities of different dilutions of Bacterium tumefaciens into the tobacco plant. Bull. Torr. Bot. Club. 50: 231-243. Jl.1923. no.7.

Overholts, L.O.
Diagnoses of American Porias II Bull. Torr. Bot. Club. 50: 245-253. Jl.1923. no. 7.

Compt. Rend. Acad. Sci. Paris.

Loubière, A.
Sur un nouveau genre de pyrénomycètes. Compt. Rend. Acad. Sci. Paris. 177: 209-211. illus. Jl.16, 1923. no.3.
Nephrospora, nov.gen.; N.mangini, nov.sp.

Politis, Jean.
Sur l'origine mitochondriale des pigments anthocyaniques dans les fleurs et dans les feuilles. Compt. Rend. Acad. Sci. Paris. 177: 137-138. Jl.9, 1923. no.2.
Bibliographical foot-notes.

Ricôme, Hilaire.
Croissance et héliotropisme. Compt. Rend. Acad. Sci. Paris. 177: 135-136. Jl.9, 1923. no.2.

Country Life, London.

Portal, M.
The defoliation of oaks. Country Life. 54: 124-126. illus. Jl.28, 1923. no.1386.

Prain, David.
The mountain poppy. Country Life. 54: 110-112. illus. Jl.28, 1923. no.1386.

Florida Grow.

Hamel, C. C.
The chayote. Florida Grow. 28: 6. illus. Jl.28, 1923. no.4.

Gard. Chron.

Dr. Hall: collector of Japanese plants. Gard. Chron. III,74: 33. Jl.21, 1923. no.1908.
Bibliographical foot-note.

Savage, S.
The tercentenary of Gaspard Bauhin's "Pinax", 1623 Gard. Chron. III,74:40-41. Jl.21, 1923. no.1908.

Ward, F. K.
Mr. Kingdon Ward's seventh expedition in Asia. no.18. Over the Si-La. Gard. Chron. III,74: 40. Jl.21, 1923. no.1908.

Genetica.

Bremer, G.
A cytological investigation of some species and species hybrids within the genus Saccharum. Genetica. 5: 97-148. Mr. 1923. no.2.
Bibliographical foot-notes.

Genetica (cont.)

Prell, Heinrich.
Die theorie der rhegmatypie ein weg chromosomalen adleitung der krossvererbung. Genetica. 5: 177-190. Mr. 1923. no. 2.
Bibliographical foot-notes.

Genetics.

Boshnakian, Sarkis.
The relation of the spelt factor in wheat to rachis internode characters. Genetics. 8: 261-275. illus. My. 1923. no. 3.
Literature cited: p. 275.

Sax, Karl & Gowen, J. W.
Permanence of tree performance in a clonal variety and a critique of the theory of bud mutation. Genetics. 8: 179-211. My. 1923. no.3.
Literature cited: p. 210-211.

Vries, Hugo de. & Boadijn, K.
On the distribution of mutant characters among the chromosomes of Oenothera lamarckiana. Genetics. 8: 233-238. My. 1923. no.3.
Literature cited: p. 238.

Hacienda.

Wester, P. J.
El cultivo de la Roselle y su utilidad práctica. Hacienda. 18: 249-251. illus. Ag. 1923. no.8.

Indian For. Rec.

Simonsen, J. L.
The essential oil from the leaves of Abies pindrow, Spach. Indian For. Rec. 8: 368-372. 1922. no.5.

Intern. Sugar Journ.

B , C. A.
On insect transmission of mosaic, especially in Java. Intern. Sugar Journ. 25: 346-351. Jl. 1923. no.295.
Bibliographical foot-notes.

Jahrb. Wiss. Bot.

Bessenich, Karl.
Ueber beziehungen swischen dem vegetationspunkt und dem übringen pflanzenkörper bei Chara. Jahrb. Wiss. Bot. 62: 214-243. illus. 1923. no.2.
Angeführte literatur: p. 242-243.

Overbeck, Fritz.
Zur kenntnis des mechanismus der samenausschleuderung von Oxalis. Jahrb. Wiss. Bot. 62: 258-282. illus. 1923. no.2.
Literature: p. 281-282.

Pringsheim, E.G.
Ueder die transpiration bei Fucus. Jahrb. Wiss. Bot. 62: 244-257. 1923. no.2.

Walter, Heinrich.
Protoplasma- und membranquellung bei plasmolyse. Untersuchungen an Bangia fusco-purpurea und anderen algen. Jahrb. Wiss. Bot. 62: 145-213. 1923. no.2.
Literaturnachweis: p. 211-213.

Japanese Journ. Bot.

Enomoto, Nakae.
Studies on an ever-segregating race in Portulaca grandiflora. Japanese Journ. Bot. 1: 137-151. 1923. no.4.
Bibliographical foot-notes.

Ikeno, Seiitirô.
Erblichkeitsversuche an einigen sippen von Plantago major. Japanese Journ. Bot. 1: 153-212. pl. x-xii. 1923. no. 4.
Bibliographical foot-notes.

Journ. Agr. Res.

Aamodt, Olaf S.
The inheritance of growth habit and resistance, to stem rust in a cross between two varieties of common wheat. Journ. Agr. Res. 24: 457-469. pl.1-2. My.12, 1923 (Ag) no.6.
Literature cited: p. 468-469.

Drechsler, Charles.
Some graminicolous species of Helminthorporium. I. Journ. Agr. Res. 24: 641-740. pl.1-33. My.26, 1923.
Literature cited: p. 731-739.

Lauritzen, J.I. & Harter, L.L.
Species of Rhizopus responsible for the decay of sweet potatoes in the storage house and at different temperatures in infection chambers. Journ. Agr. Res. 24: 441-456. My.12,1923 (Ag.) no.6.
Literature cited: p. 456.

Swingle, D.B., Morris, H.E. & Burke, Edmund.
Injury to foliage by arsenical spray mixtures. Journ. Agr. Res. 24: 501-538. col.pl. i. My.12, 1923. (Ag.)
Literature cited: p. 535-537.

Journ. Hered.

Blakeslee, A. F. & Farnham, M. E.
Bottle grafting. Journ. Hered. 14: 171-173. illus. Jl.1923. no.4.

Coffma, F. A. & Quisenberry, K. S.
A multiflorous variation in Burt oats. Journ. Hered. 14: 185-192. illus. Jl.1923. no.4.
Literature cited: p. 192.

Stanton, T. R.
Naked oats. Journ. Hered. 14: 177-183. illus. Jl.1923. no.4.
Literature cited: p. 183.

Steiner, G.
Intersexes in nematodes. Journ. Hered. 14: 147-158. illus. Jl.1923. no.4.
Literature cited: p. 158.

Journ. N. Y. Bot. Gard.

Hollick, Arthur.
Cycads, living and extinct. Journ. N.Y. Bot. Gard. 24: 135-140. Jl. 1923. no.283.
Bibliographical foot-notes.

Journ. Wash. Acad. Sci.

Rydberg, Per A.
A new genus of senecioid composites. Journ. Wash. Acad. Sci. 13: 287-289. Jl.19, 1923. no.13.
Bibliographical foot-note.
Pseudoclappia Rydberg, gen.nov.; Pseudoclappia arenaria Rydberg, sp.nov.

Standley, P. C.
Calderonia and Exandra, two new genera of the family Rubiaceae. Journ. Wash. Acad. Sci. 13: 289-293. Jl.19, 1923. no.13.
Bibliographical foot-note.

Malayan Agr. Journ.

Bishop, R. O.
Dichlorhydroquinone as a preventative of spot disease on rubber. Malayan Agr. Journ. 11: 129-131. My. 1923. no.5.

Eaton, B. J.
Candle nut oil, from Aleurites moluccana. Malayan Agr. Journ. 11: 134-135. My. 1923. no.5.

Jack, H. W.
Rice in Malaya. Malayan Agr. Journ. 11: 103-119, 139-169. maps. 1923. no.5-6.
Bibliographical foot-notes.

Thompson, A.
Spraying for citrus scab. Malayan Agr. Journ. 11: 76-78. Ap. 1923. no.4.
Bibliographical foot-note.

Matières Grass.

Lecomte, Henri.
L'huile de noix de mamarron. Matières Grass. 15: 6486-6487. Jl.15, 1923. no.183.

Nature Mag.

Brownell, L. W.
The pin oak. Nature Mag. 2: 112-114. illus. Ag. 1923. no.2.

Hansen, A. A.
Columbine. Nature Mag. 2: 96-98. illus. Ag. 1923. no.2.

New Zeal. Journ Agr.

Cunningham, G. H.
Powdery mildew, Podosphaera leucotricha (E. and E.) Salm. Its appearance, cause and control. New Zeal. Journ. Agr. 26: 344-351. illus. Je.1923. no.6.
Literature consulted: p. 351.

Smerle, G.
Improvement of Phormium tenax for the fibre industry. New Zeal. Journ. Agr. 26: 363-370. illus. Je. 1923. no.6.

Nuovo Giorn. Bot. Ital.

Cappelletti, Carlo.
L'autolisi dell'imenio nel genere Coprinus (Persoon) Nuovo Giorn. Bot. Ital. 30: 73-93. pl.i. Ja.-Ap. 1923. no.1/2.
Bibliografia: p. 93.

Chiovenda, Emilio.
Contributo allo studio della flora italiana dell' ing G.B. Biadego di Verona. Nuovo Giorn. Bot. Ital. 30: 48-72. Ja.-Ap. 1923. no.1/2.
Bibliographical foot-notes.

Nuovo Giorn. Bot. Ital.

Zenari, Silvia.
Secondo contributo alla flora della Val Cellina. Nuovo Giorn. Bot. Ital. 30: 5-47. Ja.-Ap. 1923. no.1/2.
Bibliographical foot-notes.

Philipp. Agr. Rev.

Mendiola, Nemesio.
Methods of plant breeding in general. Philipp. Agr. Rev. 16: 30-45. 1923. no.1.

Paguirigan, D. B.
Tobacco growing in Sumatra. Philipp. Agr. Rev. 16: 3-11. pl.ii-ix. 1923. no.1.

Torres, J. P.
Some notes on rice hybridization work. Philipp. Agr. Rev. 16: 46-48. pl.xviii-xix. 1923. no.1.

Progr. Agr. & Vitic.

Chauzit, Jean.
Maladies de la pomme de terre. Moyens de les combattre. Progr. Agr. & Vitic. 80: 63-71, 89-95. 1923. no.28, 29

Quart. Journ. Ind. Tea Assoc.

Carpenter, P. H.
Variation in the composition of the tea leaf throughout the season. Quart. Journ. Ind. Tea Assoc. 1923, p. 1-15. no.1.

Tunstall, A. C.
A first aid set for diseased tea. Quart. Journ. Ind. Tea Assoc. 1923 p.16-19. no.1.

Queensl. Agr. Journ.

Fungus diseases, Tomato. Queensl. Agr. Journ. 19: 498. Je. 1923. no.6.

White, C. T. & Francis, W. D.
Queensland trees. no.21. The Maiden's blush. Queensl. Agr. Journ. 19: 513-515. pl. 111-112. Je. 1923. no.6.

White, C. T.
Weeds of Queensland. no.32. Cleome aculeata. Queensl. Agr. Journ. 19: 516-517. pl.113. Je. 1923. no.6.

Repert. Europ., & Med.

Bornmüller, Joseph.
Zur gattung Centaurea der mazedonischen und kleinasiatischen flora. Repert. Europ. & Med. 1: 99-104. My. 1923. no.37.
Centaurea trojana Bornm. (spec.nov.) Centaurea rufidula Bornm. (spec.nov.)

Pilger, Robert.
Beiträge zur kenntnis der gattung Plantago. Repert. Europ. & Med. 1: 105-112. My. 1923. no.4/7.

Schlechter, Rudold.
Mitteilung über europäische und meditterrane orchideen. IV. Repert. Europ. & Med. 1: 33-48. Mr. 1923. no.36.

Repert. Spec. Nov. Fedde.

Andres, Heinrich.
Eine neue Pirola (P. alba) aus Kwei-tschou. Repert. Spec. Nov. Fedde. 19: 80. My. 1923. no.4/7.
Pirola alba H. Andr., spec. nov.

Becker, Wilhelm.
Viola nelsonii spec.nov. Repert. Spec. Nov. Fedde. 19: 92. My. 1923. no.4/7.

Brand, August.
Decas specierum novarum tertia. Repert. Spec. Nov. Fedde. 19: 70-73. My. 1923. no.4/7.

Dinter, Kurt.
Index der aus Deutsch-Südwestafrika bis zum jahre 1917 bekannt gewordenen pflanzenarten. XIII. Repert. Spec. Nov. Fedde. 19: 93-96. My. 1923. no.4/7.

Fedde, Friedrich.
Deckblätter. VII. Repert. Spec. Nov. Fedde. 19: 74-78. My. 1923. no.4/7.

Fries, T. C. E.
Monographie der gattung Uebelinia Hochst. Repert. Spec. Nov. Fedde. 19: 81-92. illus. My. 1923. no.4/7.

Harms, Hermann.
Beiträge zur kenntnis der amerikanischen passifloraceen. I-II. Repert. Spec. Nov. Fedde 19: 25-32, 56-60. Mr-My. 1923. no.1/3, 4/7.
Bibliographical foot-notes.

Harms, Hermann.
Einige meliaceen aus Peru. II. Repert. Spec. Nov. Fedde. 19: 55-56. My.1923. no.4/7.
Guarea pilanthera C.DC., nov. spec; Trichilia weberbaueri C.DC., nov. spec.; Trichilia tomentosa Kunth, nov.gen.

Harms, Hermann.
Leguminosae americanae novae. IV-V. Repert. Spec. Nov. Fedde. 19: 9-18, 61-70. Mr.-My. 1923, no.1/3, 4/7.

Markgraf, Fr.
Eine neue myristicacee aus Brasilien. Repert. Spec. Nov. Fedde. 19: 24. Mr. 1923. no.1/3.

Mattfeld, Joh.
Eine neue Helogyne aus Peru. Repert. Spec. Nov. Fedde. 19: 78-79. My. 1923. no.4/7.

Schlecther, Rudolf.
Corybas Salish. oder Corysanthes R.Br. Repert. Spec. Nov. Fedde. 19: 18-24. Mr. 1923. no.1/3.

Urban, Ignatz.
Sertum antillanum. XVIII. Repert. Spec. Nov. Fedde. 19: 1-9. Mr. 1923. no.1/3.

Werdermann, E.
Einige neue pilze aus Natal. Repert. Spec. Nov. Fedde. 19: 49-54. illus. My. 1923. no.4/7.

Rev. Bot. Appl.

Chevalier, Auguste.
La culture des cafeiers à la réunion. Rev. Bot Appl. 3: 397-399. Je. 1923. no.22.
Bibliographical foot-note.

Letacq, A. L.
Le gui. Sa biologie, ses usages et sa destruction. Rev. Bot. Appl. 3: 377-397. Je. 1923. no.22.
Bibliographical foot-notes.

M. , B.
Les Acacia à tannin. Rev. Bot. Appl. 3: 400-404. Je. 1923. no.22.
Bibliographical foot-notes.

Trabut, Louis.
Mutation par bourgeons chez les citrus. La carpoxenie & la cladoxenie. Rev. Bot. Appl. 3:369-377. illus. Je. 1923. no.22.
Bibliographical foot-notes.

Rev. Hort.

Guillaumin, André.
Les Chamaedorea cespiteux. Rev. Hort. 95: 406-408. illus. Jl.16,1923. no.19.
Bibliographical foot-notes.

Lamproy, E.
Primula obconica Rivoirei. Rev. Hort. 95: 416-417. col.pl. Jl.16, 1923. no.19.

Lille, Léonard.
Campanule calycanthème a fleur double. Rev.Hort. 95: 423. illus. Jl.16, 1923. no. 19.

Mottet, Seraphim.
Viola gracilis. Rev. Hort. 95: 413-414. illus. Jl.16, 1923. no.19.
Bibliographical foot-notes.

Tesnier, François.
Les éphémérides de l'iris. Rev. Hort. 95: 425-426 Jl.16, 1923. no.19.

Rev. Hort. Algérie.

Perronne, P.
La sélection des plants de pommes de terre. Rev. Hort. Algerie. 27: 98-100. My. 1923. no.5.

Répertoire des plantes médicianales de l'Afrique du Nord. Rev. Hort. Algerie. 27: 89-98. My. 1923. no.5.

Science.

Lloyd, F. E.
A method of ultramicroscopy whereby fluorescence in the Cyanophyceae and Diatomaceae may be demonstrated. Science. 58: 91-92. Ag.3, 1923. no.1492.
Bibliographical foot-notes.

Scient. Month.

Stevens, O. A.
Plants which attract popular attention. Scient. Month. 17: 114-128. illus. Ag.1923. no.2.

Tectona.

Immink, D. H.
Waterverdeeling in den verschen stam. Tectona. 16: 499-511. illus. Je. 1923. no.6.
English summary: p. 509-511.

Vie Agr. et Rur.

Bussard, Léon.

Semences de graminées de prairies. Vie Agr. et Rur. 22: 433-434. Je.30, 1923. no.26.

Zeitschr. Pflanzenkr.

Kirchner, Oskar.

Der antherenbrand von Salvia, Ustilago betonicae Beck. Zeitschr. Pflanzenkr. 33: 97-104. no. 3/4.

Benützte literatur: p. 104.

Exper. Stat. Publ.

Hodgson, R. W.

The pruning of citrus trees in California. California Agr. Exp. Stat. Bull. no.363. p.489-532. illus. My. 1923.

Bibliographical foot-note.

New Books.

Bernhard-Smith, A.

Poisonous plants of all countries. 2d ed. 1923.

Bower, F. O.

Botany of the living plant. 1923.

Wright, Richardson.

Flowers for cutting and decorating. c1923.

Library, Bureau of Plant Industry
Current Authors Entries, 1923, List 116.
Indexed Aug. 13-25, 1923.

Acta Hort. Berg.
Lundström, Erik.
Ueber Papaver nudicaule L. und P. radicatum Rottb. in Fennoskandia und arktis sowie über einige mit P. nudicaule verwandte arten. Acta. Horta. Berg. 7: 403-430. illus., pl. 2. 1923.
Litteratur-verzeichnis: p. 428-429.

Agr. Gaz. N. S. W.
Blakely, W. F.
Weeds of New South Wales. Agr. Gaz. N.S.W. 34: 439-491. illus. Jl. 1923. no. 7.

Agr. Journ. B. C.
Lyne, W. H.
Plant quarantine regulations. Agr. Journ. B.C. 8: 129- illus. Ag. 1923. no. 6.

Agr. Mexicano y Hogar.
Hernández, Norberto.
Plantas forrajeras de nuestra flora silvestre. Agr. Mexicano y Hogar. 39: 230-233. Ag. 1923. no. 8.

Agric. Colon.
Martini, A.
A propos des mosaiques. Agric. Colon. 8: 186-187. Je. 1923. no. 66.
Bibliographical foot-notes.

Amer. Bee Journ.
Lovell, J. H.
Classification of flower odors. Amer. Bee. Journ. 63: 392-394. illus. Ag. 1923. no. 8.

Amer. Journ. Sci.
Holm, Theodor.
Chenopodium ambrosioides L. A morphological study. Amer. Journ. Sci. V, 6: 157-167. illus. Ag. 1923. no. 32.
Bibliography: p. 166-167.

Amer. Nat.
Kempton, J. H.
Inheritance of mesocotyl length in hybrids of brachytic maize. Amer. Nat. 57: 374-377. Jl.-Ag. 1923.
Bibliographical foot-notes.

Ann. Épiph.
Foëx, Etienne.
Une pourriture verticillienne du tubercule de pomme de terre. Ann. Epiph. 9: 121-133. illus. 1923. no. 2.
Bibliographie: p. 132-133.

Marchal, Paul.
Recherches sur les maladies des châtaigniers. Ann. Epiph. 9: 134-135. 1923. no. 2.

Ann. Rep. Smithsonian Inst.
Hitchcock, A. S.
A botanical reconnaissance in southeastern Asia. Ann. Rep. Smithson. Inst. 1920/21. p. 373-380. 11 pl. 1922.

Ann. Rep. Smithsonian Inst. (cont.)
Safford, W. E.
Ant acacias and acacia ants of Mexico and Central America. Ann. Rep. Smithson. Inst. 1920/21. p. 381-394. 15 pl. 1922.

Ann. Staz. Sper. Agrum. e Fruttic. Acireale.
Savastano, Luigi.
Contributo allo studie critico degli scrittori scrittori agrari italici. III. Giovanni Joviano Pontano agrumicoltore, Antonino Venuto e Gregorio dei Gorno. Ann. R. Staz. Sper. Agrumic. e Fruttic. 6: 77-177. illus. 1922.
Opere consultate: p. 98, 109.

Savastano, Luigi.
Contributo allo studio del male dello scopaccio negli agrumi. Ann. R. Staz. Sper. Agrumic. e Fruttic. 6: 119-124. pl. vi-xi. 1922.

Ann. Mycol.
Dietel, Paul.
Ein neues Coleosporium aus Mexiko. (Col. Reichei n.sp.) Ann. Mycol. 21: 340-341. 1923. no.3/4.
On leaves of Stevia.

Petrak, Franz.
Mykologische notizen. VI. Ann. Mycol. 21: 182-335. 1923. no. 3/4.
Bibliographical foot-notes.

Sydow, Hans.
Fungi exotici exsiccati. X-XI. Ann. Mycol. 21: 345-346. 1923. no.3/4.

Sydow, Hans.
Mycotheca germanica fasc. XXXVII-XLI (no. 1801-2050) Ann. Mycol. 21: 165-181. 1923. no. 3/4.
Bibliographical foot-notes.

Sydow, Hans.
Novae fungorum species. XVIII. Ann. Mycol. 21: 342-344. 1923. no. 3/4.

Werdermann, E.
Ueber die gattung Teratonema Syd. Ann.Mycol. 21: 336-339. illus. 1923. no. 3/4.

Ann. Appl. Biol.
Brenchley, W. E.
Effect of weight of seed upon the resulting crop. Ann. Appl. Biol. 10: 223-240. Jl.1923. no.2.
References: p. 240.

Cayley, D. M.
Fungi associated with "Die back" in stone fruit trees. I. Ann. Appl. Biol. 10: 253-274. illus. 1923. no. 2.
Bibliography: p. 272-274.

Paine, S. G. & Lacey, M. S.
Studies in bacteriosis. IX. "Streak disease of broad beans" Ann. Appl. Biol. 10: 194-203. pl. viii-x. Jl. 1923. no. 2.
References: p. 203.

Ann. Rep. Quebec Soc. Prot. Plants.

Cook, M. T.
Past and future of plant pathology. Ann.Rep. Quebec Soc. Prot. Plants. 15: 14-28. 1922-23.

Coulson, J. G.
Peony diseases. Ann. Rep. Quebec Soc. Prot. Plants. 15: 67-70. 1922-23.

Dickson, B. T., Summerby, R. and Coulson, J. C.
Experiments in the control of oat smut. Ann. Rep. Quebec Soc. Prot. Plants. 15: 102-103. 1922-23.

Dickson, B. T.
Plant diseases of 1922 in Western Quebec. Ann. Rep. Quebec Soc. Prot. Plants. 15: 43-45. 1922-23.

Dickson, B. T.
A study in disease susceptibility. Ann.Rep. Quebec Soc. Prot. Plants. 15: 60. pl. 1. 1922-23.

Hockey, J. F.
Blue stem of the black raspberry. Ann. Rep. Quebec Soc. Prot. Plants. 15: 92-93. 1922-23.

Maheux, Georges.
Provancher the Canadian Linnaeus. His life and works. Ann. Rep. Quebec Soc. Prot. Plants. 15: 39-42. 1922-23.

Major, T. G.
Cultural characteristics of certain species of Fusarium. Ann. Rep. Quebec Soc. Prot. Plants. 15: 79-88. 1922-23.
Bibliography: p. 88.

Richardson, J. K.
A study of soft rot of iris. Ann. Rep. Quebec Soc. Prot. Plants. 15: 105-121. pl.v-vii. 1922-23.
Bibliography: p. 120.

Sanders, G. E.
Combinations of dusting and spraying materials. Ann. Rep. Quebec Soc. Prot. Plants. 15: 70-75. pl. ii-iii. 1922-23.

Sanders, G. E.
Dusting versus spraying. Ann. Rep. Quebec Soc. Prot. Plants. 15: 34-39. 1922-23.

Arch. Min. Agr. Bulgarie.

Stojanoff, N. and Stefanoff, B.
Les papilionaées de la Bulgarie avec tableaux pour la détermination des espèces...Illustrée par D. Iordanoff. Arch. Min. Agr. & Dom. Roy. Bulgarie. v.3 [no.1] 110 p. illus. 1923.

Arch. Suikerind. Ned. Indië.

Coert, J. H.
Wortelrot in ek 28 in Kediri. Arch. Suikerind. Ned. Indië. 1923, no. 7. p. 291-307.
Bibliographical foot-notes.

Ber. Deut. Bot. Ges.

Kotte, Walter.
Zur reizphysiologie der fucus-spermatozoiden. Ber. Deut. Bot. Ges. 41: 24-32. illus. F.1923. no.1.
Literatur: p. 31-32.

Möbius, M.
Ueber die färbung der antheren und des pollens. Ber. Deut. Bot. Ges. 41: 12-16. F. 1923. no. 1.
Bibliographical foot-notes.

Stomps, T. J.
Ueber die umwandlung des blattes zum stengel. Ber. Deut. Bot. Ges. 41: 4-11. illus. F. 1923. no. 1.
Bibliographical foot-notes.

Suessenguth, Karl.
Ueber die pseudogamie bei Zygopetalum mackayi Hook. Ber. Deut. Bot. Ges. 41: 16-23. illus. F. 1923. no. 1.
Literatur: p. 23.

Biol. Medd. K. Danske Vidensk.

Raunkiaer, Christen.
Forskellige vegetationstypers forskellige indflydelse paa jordbundens surhedsgrad (Brintionkoncentration) Biol. Medd. K. Danske Vidensk. v. 3, no. 10. 74 p. 1922.
Bibliographical foot-notes.

Bot. Arch.

Brick, C.
Otto Jaap. Bot. Arch. 4: 4-8. Jl. 1923. no. 1.

Lakowitz, Conrad.
Theodor Bail. Bot. Arch. 4: 2-3. Jl. 1923. no. 1.

Weingerl, Hermann.
Beiträge zu einer monographie der europäisch-asiatischen arten aus der gattung Draba, sect Leucodraba. Bot. Arch. 4: 9-109. illus., maps. Jl. 1923. no. 1.
Bibliographical foot-notes.

Bot. Mag. Tokyo.

Yasuda, Atsushi.
Neue arten von Stereum und Hymenochaete. Bot. Mag. Tokyo. 37: 60-61. illus. Ap. 1923. no. 436.
Bibliographical foot-notes.

Botaniste.

Dangeard, Pierre.
Recherches sur l'appareil vacuolaire dans les végétaux. Le Botaniste. v. 15. 267 p. pl. i-xiv. (part col.) Je. 1923.
Index bibliographique: p. 241-250.

Bull. Dept. Agr. Tasmania.

Black, R. A.
The ragwort (Senecio jacobeae, Linn. Compositae). Bull. Dept. Agr. Tasmania no. 108. 6 p. illus. 1922.
Literature cited: p. 6.

Bull. Soc. Bot. Ital.

Ciferri, R.
Primo pugillo di micromiceti Fiorentini nuovi o rari. Bull. Soc. Bot. Ital 1923, p. 98-100. Ap./Je. 1923. no. 4/6.
Phyllosticta caranoi, Chaetomium pampanini, Lophionema bisporum n.sp.

Pampanini, Renato.
Contributo alla conoscenza dell'Artemisia verlotorum Lamotte. Bull. Soc. Bot. Ital. 1923. p. 76-90. illus. Ap./Je. 1923. no. 4/6.
Bibliographical foot-notes.

Bull. Soc. Mycol. France.

Bourdot, Hubert and Galzin, A.
Hyménomycetes de France IX. Méruliés. Bull. Soc. Mycol. France. 39: 96-118. Jl. 1923. no. 2.

Buchet, S.
Une curieuse station de Reticularia lycoperdon Bull. Bull. Soc. Mycol. France. 39: 156. Jl. 1923.

Magnin, Antoine.
Aperçu d'une histoire de la mycologie dans la région lyonnaise. Bull. Soc. Mycol. France. 39: 131-152. Jl. 1923. no. 2.
Bibliographical foot-notes.

Malençon, G.
Sur un cas de parasitisme de Panus conchatus Bull. Bull. Soc. Mycol. France. 39: 153-155. illus. Jl. 1923. no.2.

Molliard, Marin.
Gaston Bonnier (1853-1922) Bull. Soc. Mycol. France. 39: 93-95. Jl. 1923. no. 2.

Peyronel, Beniamino.
Fructification de l'endophyte à arbuscules et à vésicules des mycorhizes endotrophes. Bull. Soc. Mycol. France. 39: 119-126. illus. Jl. 1923. no. 2.
Bibliographical foot-notes.

Pinoy, P. E.
L'oeuvre de Pasteur et les progrès de la mycologie. Bull. Soc. Mycol. France. 39: 89-92. Jl. 1923. no. 2.

Bull. Torr. Club.

Blake, S. F.
New American Connaraceae. Bull. Torr. Bot. Club. 50: 273-275. Ag. 1923. no. 8.
Connarus megacarpus, Rourea adenophora, R. pittieri, sp. nov.

Rydberg, Per Axel.
Notes on Fabaceae. II. Bull. Torr. Bot. Club. 50: 261-272. Ag. 1923. no. 8.
Bibliographical foot-notes.

Bull. Torr. Club. (cont.)

Yuncker, T. G.
Two new species of Cuscuta from Peru. Bull. Torr. Bot. Club. 50: 277-278. illus. Ag. 1923. no. 8.
Cuscuta lucidicarpa, C. rubella sp.nov.

[Bull.] Welsh Plant Breed. Stat.

Jones, M.G.
Investigations relative to the yielding capacity of oat varieties under different conditions of soil and climate. [Bull.] Welsh Plant Breed. Stat. Ser. C. no. 3. Seasons, 1921-22. p. 5-45. 1923.
Literature cited: p. 58-59.

Sampson, Kathleen. and Davies, D. W.
Incidence of fungus diseases on oat varieties in the seasons, 1921-22. [Bull.] Welsh Plant Breed. Stat. Ser. C. no.3. Seasons, 1921-22. p.55-57. 1923.
Literature cited: p. 58-59.

Sampson, Kathleen.
Seed treatment for smut in cereals. [Bull.] Welsh Plant Breed. Stat. Ser. C. no.3. Seasons 1921-22. p. 46-54. 1923.
Literature cited: p. 58-59.

Compt. Rend. Acad. Sci. Paris.

Colin, H. and Belval, H.
Les hydrocarbones solubles du grain de blé au cours du développement. Compt. Rend. Acad. Sci. Paris. 177: 343-346. Jl.30, 1923. no. 5.
Bibliographical foot-notes.

Coupin, Henri.
Sur la prétendue formation de la chlorophylle à l'obscurité. Compt. Rend. Acad. Sci. Paris. 177: 279-280. Jl.23, 1923. no. 4.
Bibliographical foot-notes.

Policard, A. and Mangenot, G.
Sur l'état de l'huile dans la cellule de réserve des graines oléagineuses. La graine en germination. Compt. Rend. Acad. Sci. Paris. 177: 346-348. illus. Jl. 30, 1923. no. 5.
Bibliographical foot-notes.

Politis, Jean.
Sur la formation d'un glucoside (saponarine) au sein des mitochondries. Compt. Rend. Acad. Sci. Paris. 177: 280-282. Jl.23, 1923. no. 4.
Bibliographical foot-notes.

Terroine, E. F., Bonnet, R., and Joëssel, P. H.
Influence de la température sur le rendement énergétique dans la germination. Compt. Rend. Acad. Sci. Paris. 177: 212-214. Jl.16, 1923. no. 3.

Compt. Rend. Soc. Biol. Paris.

Guilliermond, Alexandre.
Sur la coloration vitale des chrondriosomes. Compt. Rend. Soc. Biol. Paris. 89: 527-529. Jl. 21, 1923. no. 25.

Maige, Albert.
États d'équilibre du noyau pendant la digestion de l'amidon dans les cellules de la pomme de terre. Compt. Rend. Soc. Biol. Paris. 89: 556-558. Jl.21, 1923. no. 25.

Compt.Rend. Soc. Biol. Paris (cont.)

Tchang, Li Koue.
Sur quelques particularités de l'évolution des plastes pendant la germination des graines de légumineuses. Compt. Rend. Soc. Biol. Paris. 89: 530-533. illus. Jl.21, 1923. no. 25.

Contr. Gray Herb.

Johnston, I. M.
Diagnoses and notes relating to the spermatophytes chiefly of North America. Contr. Gray Herb. 68: 80-104. Ag.1923.

Johnston, I. M.
Studies in the Boraginaceae. I- Contr. Gray Herb. 68: 43-80. Ag. 1923.
I. Restoration of the genus Hackelia.

Robinson, B. L.
Records preliminary to a general treatment of the Eupatorieae. III. Contr. Gray Herb. 68: 3-43. Ag. 1923.

Country Life, London.

Bean, W. J.
Ceanothuses. Country Life. 54: 191-192. illus. Ag.11, 1923 no.1388.

Deut. Landw. Presse.

Wurzelälchen (Heterodera radicicola) an tomatenpflanzen. Deut. Landw. Presse. 50: 257. Illus. Jl.21, 1923. no. 29.

Ecology.

Bird, Henry.
On the "boreal" character of bogs and an artificial modification. Ecology. 4: 293-296. Jl. 1923. no.3.

Harshberger, J. W.
Hemerecology: the ecology of cultivated fields, parks, and gardens. Ecology. 4: 297-306. Jl. 1923. no. 3.
Bibliographical foot-notes.

Harvey, R. B.
Cambial temperatures of trees in winter and their relation to sun scald. Ecology. 4: 261-265. Jl. 1923. no. 3.
Literature cited: p. 265.

Shreve, E. B.
Seasonal changes in the water relations of desert plants. Ecology. 4: 266-292. Jl. 1923. no. 3.
Literature cited: p. 292.

Facts about sugar.

Fealy, N. E.
Sugar producing palms, their history, description, habitat, sugar, and products other than sugar. Facts about Sugar. 17: 134-136, 155-157. illus. Ag.11, 18, 1923. no. 6-7.

Flora,

Iljin, W. S.
Der einfluss des wassermangels auf die kohlenstoffassimilation durch die pflanzen. Flora. 116: 360-378. 1923. no. 3.
Bibliographical foot-notes.

Iljin, W. S.
Einfluss des welkens auf die atmung der pflanzen. Flora. 116: 379-403. 1923. no. 3.
Bibliographical foot-notes.

Ivanov, L. A. and Thielmann, M.
Ueber den einfluss des lichtes verschiedener wellenlänge auf die transpiration der pflanzen. Flora. 116: 296-311. 1923. no. 3.

Neger, F. W.
Beitrage zur biologie der erysipheen. III. Der parasitismus der mehltaupilze - eine art von geduldeter symbiose. Flora 116: 331-335. 1923. no. 3.
Bibliographical foot-notes.

Neger, F. W.
Neue methoden und ergebnisse der mikrochemie der pflanzen. Flora. 116: 323-330. 1923. no. 3.
Literatur: p. 330.

Reiche, Karl.
Entwicklung, bau und leben der Euphorbia radians Benth., einer knollentragenden art. Flora. 116: 259-269. illus. 1923. no. 3.
Bibliographical foot-notes.

Trinkgeld, Richard.
Beiträge zur morphologie der vegetationsorgane der cucurbitaceen. Flora. 116: 270-295. 1923. no. 3.
Literaturverzeichnis: p. 294-295.

Troll, Karl.
Oeffung und samenentleerung an nickenden kapselfrüchten. Ein beitrag zur verbreitungsbiologie. Flora. 116: 346-359. pl. vi. 1923. no.3.
Bibliographical foot-notes.

Uphof, J. C. T.
Die jugendform von Hypericum aspalathoides. Flora. 116: 312-315. illus. 1923. no. 3.
Bibliographical foot-note.

Vries, Hugo de.
Oenothera lamarckiana mut. perennis. Flora. 116: 336-345. 1923. no. 3.
Literatur: p. 345.

Walter, Heinrich.
Zur biologie der Bangia fusco-purpurea Lyngb. Flora. 116: 316-322. illus. 1923. no.3.
Literaturnachweis: p. 322.

Florida Grow.

Heimburger, Lindley.
Citricultural high spots. Florida Grow. 28: 7. Ag. 18, 1923. no. 7.
Dieback of citrus.

Garden.

Osborn, Authur.
The mock orange. Garden. 87: 396-397. illus. Ag.4, 1923. no. 2698.

Gard. Mag.

Macoun, W. T.
Canada's great pioneer horticulturist. Gard. Mag. 38: 34. port. S. 1923. no. 1.

Wilson, E. H.
Travel tales of a plant collector. IX. China the kingdom of flowers. Gard. Mag. 38: 35-39. illus., port. S. 1923. no. 1.

Gartenw.

Laubert, Richard.
Ueber besonders heftiges auftreten einiger frühjahrskrankheiten von ziergehölzen im jahre 1923. Gartenw. 27: 222-224. illus. Jl.13, 1923. no. 28.

Sprenger, Carl.
Lilienträume und -erinnerungen. Gartenw. 27: 218-219. Jl.13, 1923. no. 28.

Genetics.

Collins, J. L. and Mann, M. C.
Interspecific hybrids in Crepis II- Genetics. 8: 212-232. illus. My. 1923. no. 3.
II. A preliminary report on the results of hybridizing Crepis setosa Hall. with C. capillaris (L.) Wallr. and with C. biennis L.

Hacienda.

Holbert, J. R.
Enfermedades putrefactivas del maiz. Hacienda. 18: 178-183. illus. Je. 1923. no. 6.

Hygeia.

Tieken, Theodore.
Plants poisonous to man. Hygeia. 1: 372-378. illus. S. 1923. no. 6.

Indian For. Rec.

Simonsen, J. L.
The constituents of some Indian essential oils. pt. VIII. The essential oil from the gum-oleo-resin of Boswellia serrata (Roxb.) Indian For. Rec. v. 9, pt. 6. 18 p. 1922.

Jahrb. Deut. Landw. Ges.

Kirchner, Oscar von.
Die grundlangen der immunitätszüchtung. Jahrb. Deut. Landw. Ges. 36: 267-294. illus. 1922.
Bibliographical foot-notes.

Wolff, Herman.
Professor Dr. Ferdinand Wohltmann. Jahrb. Deut. Landw. Ges. 36: 126a-d. port. 1922.

Journ. Agr. Res.

Bartholomew, L. K. & Jones, E. S.
Relation of certain soil factors to the infection of oats by loose smut. Journ. Agr. Res. 24: 569-575. My.19, 1923. (Ag.20,1923) no. 7.
Bibliographical foot-notes.

Drechsler, Charles.
Some graminicolous species of Helminthosporium I. Journ. Agr. Res. 24: 641-740. pl. 1-33. My.26, 1923 (Aug.)
Literature cited: p. 731-739.

Hungerford, C. W.
Studies on the life history of stripe rust, Puccinia glumarum (Schm.) Erikss & Henn. Journ. Agr. Res. 24: 607-620. pl.1-4. My.19, 1923. (Ag.20, 1923) no.7.
Literature cited: p. 620.

Jones, E. S.
Influence of temperature on the spore germination of Ustilago zeae. Journ. Agr. Res. 24: 593-597. My.19, 1923 (Ag.20,1923) no. 7.
Literature cited: p. 596-597.

Levine, M. N.
A statistical study of the comparative morphology of biologic forms of Puccinia graminis. Journ. Agric. Res. 24: 539-568. pl. 1-2. My.19, 1923 (Ag.20, 1923) no. 7.
Literature cited: p. 567.

Stakman, E.C., Henry, A. W., Curran, G.C. & Christopher, W. N.
Spores in the upper air. Journ. Agr. Res. 24: 599-606. pl. 1-2. My.19, 1923 (Ag.20, 1923) no. 7.

Willis, L. G. & Carrero, J. O.
Influence of some nitrogenous fertilizers on the development of chlorosis in rice. Journ. Agr. Res. 24: 621-640. My.19, 1923 (Ag.20,1923) no. 7.
Literature cited: p. 639-640.

Journ. Amer. Pharm. Assoc.

Heyl, F. W.
Some constituents of ragweed pollen. Journ. Amer. Pharm. Assoc. 12: 669-676. Ag. 1923. no. 8.
Bibliographical foot-notes.

Holmes, E. M.
New drugs introduced during the last fifty years. Journ. Amer. Pharm. Assoc. 12: 712-721. Ag. 1923. no. 8.

Journ. Dept. Agr. So. Africa.

Crown-gall in nursery stock. Journ. Dept. Agr. So. Africa. 7: 73. Jl. 1923. no. 1.

Journ. Dept. Agr. Victoria.

Adam, D. B.
Experiments in the storage of fruits. Journ. Dept. Agr. Victoria. 21: 371-382. illus. Je. 1923. no. 6.
Bibliographical foot-notes.

Journ. Dept. Agr. Victoria. (cont.)

Davey, H. W.
Weeds and their eradication. Journ. Dept. Agr. Victoria. 21: 358-360, 438-441. illus. Je.-Jl. 1923. no.6-7.

Richardson, A. E. V.
Water requirements of farm crops. Relationship between transpiration and absorption of mineral nutrients. Journ. Dept. Agr. Victoria. 21: 321-339, 385-404. illus. Je.-Jl. 1923. no. 6-7.

Journ. Min. Agr. Gt. Brit.

Bewley, W. F.
"Sleepy disease" of the tomato. Journ. Min. Agr. Gt. Brit. 30: 450-457. pl. Ag. 1923. no. 5.

Salmon, E. S. & Wormald, H.
Three new diseases of the hop. Journ. Min. Agr. Gt. Brit. 30: 430-435. illus. Ag. 1923. no. 5.
Bibliographical foot-notes.
1. Downy mildew (Pseudoperonospora humuli, Miyabe and Takah.) 2. Hop leaf-spot. 3. Hop-drop.

Journ. Soc. Nat. Hort. France.

Chabrolin, C.
Les bouillies cupriques et les bouillies sulfo-calciques dans la lutte contre les maladies des arbres fruitiers. Journ. Soc. Nat. Hort. France. ser.4, 24: 251-282. Je. 1923.

Gérôme, Joseph.
Sur une question de vocabulaire botanico-horticole. Journ. Soc. Nat. Hort. France. ser.4, 24: 299-304. Je. 1923.
Bibliographical foot-notes.

Guillaumin, André.
Les Chamaedorea cultivés. Journ. Soc. Nat. Hort. France. ser.4, 24: 223-244. Je. 1923.
Bibliographical foot-notes.

Guillaumin, André.
Principes et regles a observer pour nommer les plantes. Journ. Soc. Nat. Hort. France. ser.4, 24: 244-250. Je. 1923.

Lecomte, H. Notulae systemat.

Benoist, Raymond.
Une nouvelle espèce de Duguetia de la guyane française. In Lecomte, H. Notulae systemat. 4: 57-59. 1923. no. 2.
Bibliographical foot-note.
Duguetia calycina R. Ben. nov.sp.

Camus, Aimée.
Le Digitaria longiflora Pers. et le D.chinensis A. Camus. In Lecomte, H. Notulae systemat. 4: 48-49. 1923. no. 2.

Camus, Aimée.
Graminées nouvelles de l'Indo-Chine. In Lecomte, H. Notulae systemat. 4: 46-48. 1923. no.2.

Lecomte, H. Notulae systemat. (cont.)

Danguy, Paul.
Deux tiliacées nouvelles de Madagascar. In Lecomte, H. Notulae systemat. 4: 59-60. 1923. no.2.
Grewia thouvenotii, Grewia faucherei, nov. sp.

Gagnepain, François.
Euphorbiacées nouvelles (Coelodiscus et Mallotus) In Lecomte, H. Notulae systemat. 4: 49-54. 1923. no. 2.

Lecomte, Henri.
Loranthacées de Madagascar. In his Notulae systemat. 4: 43-46. illus. 1923. no. 2.

Lecomte, Henri.
Quelques espèces nouvelles de la famille des sapotacèes. In his Notulae systemat. 4: 62-64. 1923. no. 2.

Lecomte, Henri.
Sur un Corypha d'Indochine. In his Notulae systemat. 4: 60-62. illus. 1923. no. 2.

Pellegrin, François.
Révision du genre Hymenostegia Harms. Légumineuses-Césalpiniées. In Lecomte, H. Notulae systemat. 4: 54-57. 1923. no. 2.
Bibliographical foot-notes.

Malayan Agr. Journ.

Georgi, C. D. V.
Cashew nut oil. Malayan Agr. Journ. 10: 301-302. Oct.-Dec. 1922. no. 10-12.

Georgi, C. D. V.
Kapok oil. Malayan Agr. Journ. 10: 284-286. Oct.-Dec. 1922. no. 10-12.

Georgi, C. D. V.
Oil from Sterculia species. Malayan Agr. Journ. 10: 259-261. Oct.-Dec. 1922. no. 10-12.

South, F. W.
Report on the work of the inspection staff July to September, 1922. Malayan Agr. Journ. 10: 264-268. Oct.-Dec. 1922. no.10-12.

Malpighia.

Buscalioni, Luigi. & Roccella, G.
Sopra alcuni inclusi delle cellule della corteccia secondaria di Lantana alba Mill. Malpighia. 29: 393-406. pl. iii-iv. 1922. no. 7/8.

Buscalioni, Luigi. & Roccella, G.
Sopra una particolare reazione delle foglie di taluni Eucalyptus tenute all'oscuro, sotto stagnola. Malpighia. 29: 367-392. pl. i-ii. 1922. no. 7/8.
Letteratura dell'argomento: p. 390-391.

Buscalioni, Luigi. & Muscatello, Giuseppe.
Studio monografico sulle specie americane del gen. "Saurauia" Willd. Malpighia. 29: 319-366. 1922. no. 7/8.

Meded. Landbouwhoogesch. Wageningen.

Blaauw, A. H.
De periodiekte dikte-toename van den bol der hyacinthen. Meded. Landbouwhoogesch. Wageningen. v. 27. 103 p. illus. 1923. no. 2.
Bibliographical foot-notes.
English summary: p. 92-99.

Meded. Proefst. Malang.

Haan, H. R. M. de.
Overzicht der koffieliteratuur. Meded. Proefst. Malang. no. 39. 58 p. 1923.

Nature.

International conference of phytopathology and economic entomology. Nature. 112: 181-182. Ag.4, 1923. no.2805.

Lloyd, F. E.
The fluorescence of certain lower plants. Nature 112: 132-133. Jl.28, 1923. no. 2804.

Sir William Thistleton-Dyer. Nature. 112: 182. Ag.4, 1923. no. 2805.
Occasion of his 80th birthday.

Nature Mag.

Brownell, L. W.
The red oak. Nature Mag. 2: 164-166. illus. S. 1923. no. 3.

Hansen, A. A.
The asters. Nature Mag. 2: 167-170, 181-182. illus. S. 1923. no. 3.

Hansen, A. A.
Poison ivy and treatment for it. Nature Mag. 2: 147-148. illus. S. 1923. no. 3.

Naturwissenschaften.

Neuberg, C.
Vom abbau der cellulose in der natur. Naturwissenschaften. 11: 657-659. Jl.27, 1923. no. 30.
Bibliographical foot-note.

Notizbl. Bot. Gart. Berl.

Engler, Adolf.
Zewi neue amorphophalli aus kwantung. Notizbl. Bot. Gart. Berl. 8: 457-458. Je. 1923. no.76.

Fries, T. C. E.
Die Anagallis-arten der afrikanischen hochgebirge. Notizbl. Bot. Gart. Berl. 8: 329-339. pl. i. Ap. 1923. no. 75.

Fries, T. C. E.
Beiträge zur kenntnis der flora des Kenia, Mt. Aberdare und Mt. Elgon. Notizbl. Bot. Gart. Berl. 8: 389-423. illus., pl. 5-6. Je. 1923. no. 76.

Fries, T. C. E.
Die Impatiens-arten des Kenia, Mt. Aberdare und Mt. Elgon. Notizbl. Bot. Gart. Berl. 8: 340-353. pl. 2-4. Ap. 1923. no. 75.

Harms, Hermann.
Eine bemerkenswerte neue Acacia aus Ostafrika. Notizbl. Bot. Gart. Berl. 8: 370. Ap. 1923. no. 75.

Notizbl. Bot. Gart. Berl. (cont.)

Lindau, Gustav.
Eine neue acanthacee aus Afrika. Notizbl. Bot. Gart. Berl. 8:424. Je. 1923. no. 76.
Justicia nyassae Lindau n.sp.

Loesener, Theodor.
Guido Brause, nachruf. Notizbl. Bot. Gart. Berl. 8: 354-356. Ap. 1923. no. 75.
Schriftenverzeichnis: p. 356.

Pilger, Robert.
Graminaea nonnullae austro-americanae. Notizbl. Bot. Gart. Berl. 8: 452-456. Je. 1923. no. 76.
Schizachrium weberbaueri, Melica majuscula, M. cajamarcensis, M. weberbaueri, Chusquea phacellophora.

Pilger, Robert.
Plantae lützelburgianae brasiliensis I- Notizbl. Bot. Gart. Berl. 8: 425-451. Je.1923. no. 76.

Snethlage, E. H.
Neue arten der gattung Cecropia nebst beiträgen zu ihrer synonymik. Notizbl. Bot. Gart. Berl. 8: 357-369. Ap. 1923. no. 75.

Orchid Rev.

Ellwood, A. G.
Orchid culture in the United States of America. Orchid Rev. 31: 232-234. Ag. 1923. no. 362.

Parfum. Mod.

G , E.
La tubéreuse. Parfum. Mod. 16: 155-158. illus. Jl. 1923. no. 7.
In both French and English.

Meunissier, A.
La tubereuse au point de vue botanique et horticole. Parfum. Mod. 16: 159-161. illus. Jl. 1923. no. 7.
In both French and English.

Philipp. Agr.

Capinpin, José M.
Correlation within pure lines of rice. Philipp. Agr. 12: 3-14. Je. 1923. no.1.
Literature cited: p. 12.

Philipp. Journ. Sci.

Merrill, E. D.
Distribution of the Dipterocarpaceae. Origin and relationships of the Philippine flora and causes of the differences between the floras of eastern and western Malaysia. Philipp. Journ. Sci. 23: 1-33. pl.1-8, maps. Jl. 1923. no.1.
Bibliographical foot-notes.

Trelease, S. F.
Night and day rates of elongation of banana leaves. Philipp. Journ. Sci. 23: 85-96. Jl. 1923. no.1.
Bibliographical foot-notes.

Phil. Trans. Roy. Soc.
Walton, John.
On Rhexoxylon, Bancroft - A triassic genus of plants exhibiting a liane-type of vascular organisation. Phil. Trans. Roy. Soc. Ser.B. 212: 79-109. illus., pl. 5-6. 1923. no. 394.
Bibliography: p. 107-108.

Proc. Nat. Acad. Sci.
Councilman, W. T.
The root system of Epigaea repens and its relation to the fungi of the humus. Proc. Nat. Acad. Sci. 9: 279-285. illus. Ag. 1923. no. 8.

Proc. Roy. Soc. Queensl.
Francis, W. D.
Some characteristics of Queensland rain forests and rain-forest trees. Proc. Roy. Soc. Queensl. 34: 209-219. 1923.
Bibliographical foot-notes.

White, C. T.
A contribution to our knowledge of the flora of Papua (British New Guinea). Proc. Roy. Soc. Queensl. 34: 5-65. 1923.
Principal bibliography of works on the flora of the territory of Papua (British New Ginea): p. 64-65.

Proc. U. S. Nat. Mus.
Berry, E. W.
Miocene plants from southern Mexico. Proc. U. S. Nat. Mus. v.62, Art. 19. p. 1-27. pl.1-7. 1923.
Bibliographical foot-notes.

Progr. Agr. & Vitic.
Chauzit, Jean.
Maladies de la pomme de terre. Progr. Agr. & Vitic. 80: 115-118, 136-141. Jl.29, Ag.5, 1923. no. 30, 31.

Quart. Bull. Florida Dept. Agr.
McRae, W. A.
Rare products of Florida and other things of interest. Quart. Bull. Florida Dept. Agr. v.33, no. 3. 166 p. Jl. 1923.
A compilation of articles taken from various journals, treating mainly of agricultural, horticultural and botanical subjects.

Pineapple pear is blight proof. Quart. Bull. Florida Dept. Agr. v.33, no.3. p. 60-61. Jl. 1923.

Rec.Bot.Surv. India.
Saxton, W. T.
Additional notes on plants of Northern Gujarat. Rec. Bot. Surv. India. 9:251-262. 1922. no.3.

Rev. Mus. La Plata.
Scala, A. C.
Contribución al conocimiento histológico de la yerba-maté y sus falsificaciones. Rev. Mus. La Plata. 26: 69-165. illus. 1922.
Bibliografía: p.130-135.
Catálogo de nombres vulgares: p. 107-122.

Rev. Mus. La Plata. (cont.)

Spegazzini, Carlos.
Descripción de hongos mirmecófilos. Rev. Mus. La Plata. 26: 166-173. illus. 1922.
Locellina mazzuchii, n.sp., Xylaria micrura, Poroniopsis (n.gen.) P. bruchi.

Rev. Path. Veg. & Entom. Agr.

Cavadas, D. S.
Notes sur la "dartrose" de la pomme de terre et ses conséquences. Rev. Path. Veg. & Entom. Agr. 10: 67-75. plates. Ja.-Mr. 1923. no.1.
Bibliographical foot-notes.

Crépin, Ch.
Dartrose (Vermicularia varians Ducomet) et gale argentée (Spondylocladium atrovirens Harz) du turbercule de pomme de terre. Rev. Path. Veg. & Entom. Agr. 10: 63-66. plates. Ja.-Mr. 1923. no. 1.
Bibliographical foot-notes.

Foëx, Etienne.
Les flagelloses des plantes a latex. Rev.Path. Vég. & Entom. Agr. 10: 93-99. Ja.-Mr. 1923.
Review of articles on the subject.

Gard, Médéric.
L'Armillaria (Armillariella Karst) Melea Vahl et le pourridié du noyer. Rev. Path. Veg. & Entom. Agr. 10: 55-62. illus., plates Ja.-Mr. 1923. no. 1.
Bibliographical foot-notes.

Miège, Emile.
Sur une maladie du collet des céréales. Rev. Path. Veg. & Entom. Agr. 10: 53-54. Ja.-Mr. 1923. no.1.

Quanjer, H. M.
Essais de résistance de variétés hollandaises de pomme de terre vis-à-vis de la maladie des taches en couronne et de la galle noire. Rev. Path. Veg. & Entom. Agr. 10: 51-52. Ja.-Mr. 1923. no. 1.

Quanjer, H. M.
Un nouveau chapitre de la pathologie végétale relaint cette science à la pathologie animale. Rev. Path. Veg. & Entom. Agr. 10: 22-40. Ja.-Mr. 1923. no. 1.
Bibliographie: p. 39-40.

Rev. Zool. Afr. Suppl. Bot.

Beeli,
Champignons récoltés par le Lt. Ghesquière dans le Bas-Congo et le Kasai. Rev. Zool. Afr. 11. Suppl. Bot. p. B 10-17. illus. Jl. 1923. no.2.

Van Oye, Paul.
Recherches sur la biologie de Ravenala madagascariensis Sonner. Rev. Zool. Afr. 11. Suppl. Bot. p. B 18-34. illus. Jl. 1923. no.2.
Bibliographical foot-notes.

Riv. Biol.

Munerati, Ottavio.
Il sussidio della chimica negli studi di genetica. Riv.Biol. 5: 309-314. My.-Je. 1923. no.3.
Bibliographical foot-notes.

Scient. Agr.
Pieters, A. J.
Clover failure. Scient. Agr. 3: 408-411. Ag. 1923. no. 12.

Skrift. Naturvidensk. Math. K. Danske Vidensk.
Warming, Eugenius.
Økologiens grundformer udkast til en systematisk ordning. Skrift. Naturvidensk. Math. K. Danske Vidensk. ser.8, 4: 121-187. 1923. no. 2.
Bibliographical foot-notes.

So. Afr. Fruit Grow.
Crown gall with nursery stock. So. Afr. Fruit Grow. 10: 242-243. illus. Jl.1923. no. 7.

Fruit tree diseases and their treatment. A bacterial spot of citrus fruits caused by Bacillus citrimaculans. So. Afr. Fruit Grow. 10: 219. illus. Jl. 1923. no. 7.

Staz. Sper. Agr. Ital.
Bonanni, Armando.
La tubercolosi o rogna dell'olivo. Staz. Sper. Agr. Ital. 56: 124-144. pl. i-ii. 1923. no. 1/3.
Bibliografia: p. 143.

Campanile, Giulia.
Materiali per la identificazione delle cuscute italiane. Staz. Sper. Agr. Ital. 56: 5-25. illus. 1923. no. 1/3.
Bibliografia: p. 25.

Succulenta.
Duursma, G. D.
Echinocactus microspermus Web. Succulenta. 5: 83. col.pl. 1. Jl. 1923. no. 7.

Schwantes, G.
De nieuwe K. Dinter in Zuidwestafrika ontdekte Mesembrianthemums. Succulenta. 5: 77-82. Jl. 1923. no. 7.

Sugar Centr. & Plant. News.
Hind, R. R.
Toledo cane, a mosaic-immune variety. (La caña-dulce Toldeo - Una variedad immuna contra el mosaic). Sugar Centr. & Plant. News. 4: 105-107, 110. illus. Mr. 1923. no.3..

Sitzungsb. Akad. Wissensch. Wien Math.-Naturw. Kl. Abt.I.
Baecker, Richard.
Ueber ausziehbare gefäss- und bastbündel und schraubenbänder. Sitzungsb. Akad. Wissensch. Wien. Math. Naturw. Kl. Abt. I. 131: 139-151. 1922. no.4/5.
Bibliographical foot-notes.

Brotherus, V. F.
Musci novi sinenses, collecti a D^re Henr. Handel-Mazzetti. I. Sitzungsb. Akad. Wissensch. Wien. Math. Naturw. Kl. Abt.I. 131: 209-220. 1922. no.7/8.

Brunswik, Hermann.
Die mikrochemie der flavonexkrete bei den primulinae. Sitzungsb. Akad. Wissensch. Wien. Math. Naturw. Kl. Abt.I. 131: 221-232. 1922 no.7/8.
Bibliographical foot-notes.

Brunswik, Hermann.
Die mikrochemische nachweis pflanzlicher blausäureverbindungen. Eine neue mikrochemische methode zum nachweis von cyanwasserstoff und emulsin. Sitzungsb. Akad. Wissensch. Wien. Math. Naturw. Kl. Abt.I. 130: 383-435. illus. 1921. no.10.

Sitzungsb. Akad. Wissensch.Wien Math.-Naturw.Kl.Abt.I. (cont.)

Figdor, Wilhelm.
Ueber die eintwicklung der wendeltreppenblätter von Helicodiceros muscivorus Engl. Sitzungsb. Akad.Wissensch.Wien. Math. Naturw. Kl. Abt.I. 131: 233-241. illus. 1922. no. 7/8.
Bibliographical foot-notes.

Flamm, Emilie.
Zur lebensdauer und anatomie einiger rhizome. Sitzungsb. Akad.Wissensch.Wien.Math.Naturw. Kl. Abt.I. 131: 7-22. illus. 1922. no.1/3.
Bibliographical foot-notes.

Kisser, Josef.
Amitose, fragmentation und vakuolisierung pflanzlicher zellkerne. Sitzungsb. Akad.Wissensch. Wien.Math.Naturw.Kl.Abt.I. 131: 105-128. pl.i-ii. 1922. no.4/5.
Bibliographical foot-notes.

Klein, Gustav.
Der histochemische nachweis der flavone. Sitzungsb.Akad.Wissensch.Wien.Math.Naturw.Kl. Abt.I. 131: 23-46. illus. 1922. no.1/3.
Bibliographical foot-notes.

Puchinger, Hermine.
Ueber die lebensdauer sclorotisierter zellen. Sitzungsb.Akad.Wissensch.Wien.Math.Naturw.Kl. Abt.I. 131: 47-57. illus. 1922. no.1/3.
Bibliographical foot-notes.

Schnarf, Karl.
Beiträge zur kenntnis des blütenbaues von Alangium. Sitzungsb.Akad.Wissensch.Wien.Math. Naturw.Kl.Abt.I. 131: 199-208. illus. 1922. no. 6.
Bibliographical foot-notes.

Torreya.

Barnhart, J. H.
An illustrated flora of the Pacific States. Torreya. 23: 69-71. Jl.-Ag. 1923. no.4.
Review of Abrams's Illustrated flora.

Britton, N. L.
An unrecorded weed in Bermuda. Torreya. 23: 67-68. Jl.-Ag. 1923. no.4.
Norta erysimoides.

Cockerell, T.D. A.
White-flowered Primula angustifolia. Torreya. 23: 68. Jl.-Ag.1923. no.4.

Hylander, C. J.
Notes on the desmids of New York. Torreya. 23: 59-62. Jl.-Ag. 1923. no.4.

Nelson, J. C.
Additions to the flora of Western Oregon. during 1922. Torreya. 23: 63-67. Jl.-Ag.1923. no. 4.

Trab. Mus. Nac.Cienc.Nat.Madrid Ser.Bot.

Alvarado, Salustio.
El origin de los doroplastos su las hojas de Cicer arietinum. Trab. Mus. Nac. Cienc. Nat. Madrid Ser.Bot. no.17. 43 p. pl. 1923.

Trop. Agr.

Stockdale, F. A.
Colombian pita. Trop. Agr. 60: 337-345. plates. Je. 1923. no.6.

U.S. Dept. Agr. Circ.

Tisdale, W. H., Dungan, G.H. & Leighty, C. E.
Flag smut of wheat. U.S. Dept. Agr. Circ. no. 273. 6 p. pl. i-ii. Je. 1923. (Ag.-)

U.S. Dept. Agr. Farm. Bull.

Vosbury, E. D. & Robinson, T. R.
Culture of citrus fruits in the Gulf States. U.S. Dept. Agr. Farm. Bull. no. 1343. 41 p. illus. Jl. 1923.
Bibliographical foot-notes.

Vie Agr. et Rur.

Pée-Laby, Ernest.
Un hybride rouge de Seibel a observer. Vie Agr. et Rur. 23: 35-36. Jl.14, 1923 no. 28.

Perret, Claude.
La dégénérescence des pommes de terre. Le role de l'inspection aux champs. Vie Agr. et Rur. 23: 61-66. illus. Jl.28, 1923. no. 30.
Bibliographical foot-notes.

Zeitschr. Bot.

Klein, Gustav.
Zur ätiologie der thyllen. Zeitschr. f.Bot. 15: 417-439. 1923. no. 8.
Bibliographical foot-notes.

Vries, Hugo de.
Ueber sesquiplex-mutanten von Oenothera lamarckiana. Zeitschr. Bot. 15: 368-408. 1923. no. 7.
Literatur: p. 408.

Zeitschr. Pflanzenernähr. u. Düng. A. Wiss. Teil.

Bornemann, Felix.
Zur kohlenstoffernährung der kulturpflanzen. Zeitschr. Pflanzenernähr. u. Düng. A.Wiss.Teil. 1: 326-329. 1922. no.5.
Bibliographical foot-notes.

Honcamp, Franz.
Der stickstoff der tierischen ausscheidungen, seine erhaltung und sein wert als pflanzennärstoff. Zeitschr. Pflanzenernähr. u. Düng. A.Wiss.Teil. 1: 299-319. 1922. no.5.

Janert, Heinz.
Ein beitrag zur beurteilung der klimatischen wachstumsfaktoren:kohlensäure, sauerstoff und luftdruck. Zeitschr. Pflanzenernähr. u. Düng. A.Wiss.Teil. 2: 177-210. 1923. no.3.
Bibliographical foot-notes.

Lamberg, Gerhard. & Mitscherlich, E. A.
Ueber das licht als wachstumsfaktor. Zeitschr. Pflanzenernähr. u. Düng. A.Wiss.Teil. 1: 291-298. 1922. no.5.
Bibliographical foot-notes.

Lemmermann, Otto & Wiessmann, H.
Die ertragssteigernde wirkung der kieselsäure bei unzureichender phosphorsäureernährung der pflanzen. Zeitschr. Pflanzenernähr. u. Düng. A. Wiss.Teil. 1: 185-255. illus. 1922. no.4.
Bibliographical foot-notes.

Zeitschr.Pflanzenernähr. u. Düng. A.Wiss.Teil. (cont.)

Mitscherlich, E.A.
Die kohlensäure als wachstumsfaktor der pflanzen. Zeitschr. Pflanzenernähr. u. Düng. A.Wiss.Teil 2: 211-214. 1923.
Bibliographical foot-notes.

Wiessmann, H.
Ueber den einfluss das kaliums auf die entwicklung der pflanzen und ihren morphologischen und anatomischen bau bie besonderer berücksichtigung der landwirtschaftlichen kulturpflanzen. Zeitschr. Pflanzenernähr. u. Düng. A.Wiss.Teil. 2: 1-79. illus. 1923. no. 1.
Bibliographical foot-notes.

Exper. Stat. Publ.

Brown, J. G.
Bunt of wheat. Arizona Agr. Exp. Stat. Timely Hints for Farmers. no.143. 12 p. illus. Ap. 1923.

Burger, O. F.
Report of plant pathologist, 1921/22. Florida Agr. Exp. Stat. Rep. 1921/22. p. 45R-55R. 1922.

Tisdale, W. B.
Report of assistant plant pathologist, investigating tobacco diseases. Florida Agr. Exp. Stat. Rep. 1921/22. p. 68R-75R. illus. 1922.

Gardner, Max., Greene, Laurenz, & Baker, C. E.
Apple blotch. Indiana Agr. Exp. Stat. Bull. 267. 32 p. illus. Ja. 1923.
Literature cited: p. 31-32.

Johnson, H. W.
Relationships between hydrogen ion, hydroxyl ion and salt concentrations and the growth of seven soil molds. Iowa Agr. Exp. Stat. Res. Bull. no.76. p. 307-344. Ja. 1923.
Bibliography: p. 343-344.

Edgerton, C. W.
Report of Dept. of plant pathology. 1922. Ann.Rep.Louisiana Afr.Exp.Stat. 34: 17-18. 1923.

Lovett, A. L. & Barss, H. P.
Insect pests and diseases of bramble fruits. Oregon Agr. Exp. Stat. Circ. no. 45. 16 p. illus. Je. 1923.

State Publications.

May, W. L.
Kill the whorled milkweed that menaces your stock. Colorado State Entom. Circ. no. 33. 4 p. illus. My. 1921.

Chambers, E. L.
Apple fireblight reduced in Dunn County campaign. Wisc.Dept. Agr.Bull. no. 52. p.70-72. D.1922 [Rec'd Ag.1923]

Colley, R. H.
The maple wilt. Wisconsin Dept. Agr.Bull. no.52. p. 76-78. illus. D.1922 [Rec'd Ag. 1923]

Conant, H. H.
The "wildfire" disease of tobacco in Wisconsin. Wisconsin Dept. Agr. Bull. no.52. p.58-66. illus. D.1922 [Rec'd Ag.1923]

State Publications (cont.)

Walker, W. A.
Barberry eradication reduces grain rust losses. Wisconsin Dept. Agr. Bull. no.52. p.66-70. illus. D. 1922 [Rec'd Ag.1923]

White pine blister rust. Wisconsin Dept. Agr. Bull. no. 52. p. 72-76. illus. D.1922.

New Books.

Aragô, Buenaventura.
Tratdao completo del cultivo de la huerta. Guarta edición. Madrid, 1923.

Chun, W. Y.
Chinese economic trees. Shanghai, Printed by the Commercial press, [1921]

Koorders,-Schumacher, A.
Supplement op het eerste overzicht der Flora vane N.O.Celebes tevens verslag eener botanicshe dienstreis door de Minahasa (Enumeratio specierum phanerogamarum Minahasae Suppl.) door Dr. S.H. Koorders Deel II-III Uitgegeven door Mevr. de wed. A. Koorders-Schumacher. 127 pl. 1923.

Peklo, Jaroslav.
Základy nauky o výzive rostlin. 284 p. illus. 1923.

Petch, Thomas.
The diseases of the tea bush. London, Macmillan, 1923.

Read, B. E.
Botanical, chemical and pharmacological reference list to Chinese materia medica. Peking, Feb. 1923.

Roebuck, A.
Insect pests and fungous diseases of farm crops London, 1923.

Rother, W. O.
Praktischer leitfaden für die anzucht und pflege der kakteen und anderer sukkulenten...Neu bearb. von A. Berger. 5. aufl. Frankfurt a.d. Oder, 1923.

San Giorgio, Contessa di.
Catalogo poliglotto delle piante. Firenze, 1870.

Snell, Karl.
Die kartoffel (Naturschätze der heimat heft 3) 1922.
Die krankheiten: p. 58-71.

Tabents'kii, O. O.
Bilderatlas der anatomie und biologie der zuckerrübe (Beta vulgaris L. var saccharifera) Kiev, 1922.

Thurston, Edgar. & Vigurs, C. C.
A supplement of F. Hamilton Davey's Flora of Cornwall. Truro, 1922.

Wagner, Maximilian.
Der chemische betrieb in der pflanze. Freiburg i. Br., 1922 (Biologische Arb. h.16).

Wheeler, H. J.
Citrus culture in Florida. Jacksonville, c1923.
Diseases and injuries: p. 63-105.

Library, Bureau of Plant Industry
Current Authors Entries, 1923, List 117.
Indexed Aug. 27-Sept. 8, 1923.

Acta Soc. Fauna et Flora Fennica
Hjelt, Hjalmar.
Conspectus flora Fennicae Vol. VI, Dicotyledoneae pars V. Scrophulariaceae - Dipsacaceae. Acta Soc. Fauna et Flora Fenn. v. 51, no. 1. 450 p. 1923.

Wainio, E. A.
Lichenographia Fennica II. Acta Soc. Fauna et Flora Fenn. v. 53, no. 1. 340 p. map. 1922.

Addisonia.
Addisonia. v. 8, no. 2. Je. 1923.
Sarcopodium lyonii. p. 17-18. col. pl. 265.
Schizocentron elegans. p. 19. col. pl. 266.
Lenophyllum texanum. p. 21. col. pl. 267.
Callistemon salignus viridiflorus. p. 23-24. col. pl. 268.
Calanthe vestita regnieri. p. 25-26. col. pl. 269.
Sedum diffusum. p. 27. col. pl. 270.
Coreopsis verticillata. p. 29. col. pl. 271.
Phlox "Asia" p. 31-32. col. pl. 272.

Agric. Colon.
Pieraerts, J.
Le souchet comestible. III. Agron. Colon. v. 9, no. 67. p. 7-21. Jl. 1923. no. 67.
Bibliographical foot-notes.

Agr. Mexicano y Hogar.
Hernández, Norberto.
Plantas forrajeras de nuestra flora silvestre. Agr. Mexicano y Hogar. 39: 230-233. Ag. 1923. no. 8.

Amer. Bee Journ.
Lovell, J. H.
Odors and the insect visitors to flowers. Amer. Bee. Journ. 63: 450-452. illus. Sep. 1923. no. 8.

Amer. Bot.
Bessey, E. A.
Our common dandelions. Amer. Bot. 29: 92-93. Ag. 1923. no. 3.

Clute, W. N.
Plant names and their meanings XVI. The cruciferae. Amer. Bot. 29: 101-107. Ag. 1923. no. 3.

Diddell, Mrs. W. D.
Our native cycas. Amer. Bot. 29: 118-119. Ag. 1923. no. 3.
Zamia integrifolia.

Jefferies, Norman.
Blue dandelions. Amer. Bot. 29: 108-109. Ag. 1923. no. 3.

Redfield, C. L.
Producing disease resistant plants. Amer. Bot. 29: 94-100. Ag. 1923. no. 3.

Zimmerman, H. E.
The largest flower in the world. Amer. Bot. 29: 117-118. Ag. 1923. no. 3.
Rafflesia schadenbergii.

Amer. Journ. Sci.

Holm, Theodor.
Chelone glabra L. A morphological study. Amer. Journ. Sci. V, 6: 265-270. illus. S. 1923. no. 33.

Ann. R. Scuola Sup. Agr. Portici.

Trotter, Alessandro.
Osservazioni intorno ad alcuni erisifacei italiani meno noti. Ann. R. Scuola Sup. Agr. Portici. II, 17 [art. 6] 11 p. 1922.
Microsphaera quercina. - Sphaerotheca mors-uvae - Oidium farinosum.

Ann. Bot.

Bower, F. O.
Studies in the phylogeny of the Filicales VIII (On Loxsoma and Loxsomopsis) Ann. Bot. 37: 349-354. illus. Jl. 1923. no. 147.

Chaudhuri, H.
A study of the growth in culture of Verticillium albo-atrum B. et Br. Ann. Bot. 37: 519-539. illus. Jl. 1923. no. 147.
References: p. 539.

Chibnall, A. C.
Diurnal variations in the total nitrogen content of foliage leaves. Ann. Bot. 37: 511-518. Jl. 1923. no.147.
Literature cited: p. 517-518.

Horne, A. S. and Williamson, H. S.
The morphology and physiology of the genus Eidamia. Ann. Bot. 37: 393-432. illus. Jl. 1923. no. 147.
Literature cited: p. 432.
E. viridescens, E. catenulata n.sp.

Jones, L. H. and Shive, J. W.
Influence of ammonium sulphate on plant growth in nutrient solutions and its effect on hydrogen-ion concentration and iron availability. Ann. Bot. 37: 355-377. Jl. 1923. no. 147.
Literature cited: p. 376-377.

Petch, Thomas. and Gadd, C. H.
The replacement of the terminal bud in the coconut palm. Ann. Bot. 37: 445-450. illus. Jl. 1923. no. 147.
References: p. 450.

Ridler, W. F. F.
Further observations on the fungus present in Pellia epiphylla (L.) Corda. Ann. Bot. 37: 483-487. illus. Jl. 1923. no. 147.
References: p. 487.

Saunders, E. R.
A reversionary character in the stock (Matthiola incana) and its insignificance in regard to the structure and evolution of the gynoecium in the Rhoeadales, the Orchidaceae and other families. Ann. Bot. 37: 451-482. illus. Jl. 1923. no. 147.

Seifriz, William.
Observations on the reaction of protoplasm to some reagents. Ann. Bot. 37: 489-509. Jl. 1923. no. 147.
Bibliography: p. 509.

Williamson, H. S.
The origin of "golden" oak. Ann. Bot. 37: 433-444. illus., pl.x. Jl. 1923. no. 147.
List of references: p. 444.
Caused by Eidamia catenulata.

Ann. Rep. Calif. Citrus Inst.
Fawcett, H. S.
Psorosis (scaly bark) of orange trees. Ann. Rep. Calif. Citrus Inst. 3/4: 50-54. My. 1923.

Webber, H. J.
The June drop of oranges. Ann. Rep. Calif. Citrus Inst. 3/4: 91-100. My. 1923.

Ann. Rep. Dept. Agr. Jamaica.
Hansford, C. G.
Report of the microbiologist. Ap.-Dec. 1922. Ann. Rep. Dept. Agr. Jamaica. 1922 p. 24-26. 1923.

Belgium Min. Agr. & Trav. Publ. Avis aux Cultivat.
Marchal, Emile and Mayné, R.
Les principaux ennemis et maladies de la pomme de terre. Belgium Min. Agr. & Trav. Publ. Avis aux Cultivat. no. 21. 19 p. pl. i-vi. (part col.) 1923.

Ber. Deut. Bot. Ges.
Boas, Friedrich. and Merkenschlager, F.
Ueber die wirkung spezifischer zuckerarten bei höheren pflanzen. Ber. Deut. Bot. Ges. 41: 187-190. Je. 1923. no. 5.
Literatur: p. 190.

Brauner, Leo.
Ueber den einfluss der koleoptilspitze auf die geotropische reaktion der avenakeimlinge. Ber. Deut. Bot. Ges. 41: 208-211. Je. 1923. no. 5.
Literatur: p. 211.

Docters van Leeuwen, Willem M.
Die neue flora von Krakatau. Ber. Deut. Bot. Ges. 40 (Gen. versammlungsh.): (26)-(29) My. 1923.
Literatur: p. (29)

Faber, F. C. von.
Zur physiologie der mangroven. Ber. Deut. Bot. Ges. 41: 227-234. Je. 1923. no. 5.

Freund, H.
Die abhängigkeit der zelldimensionen von aussenbedingungen. Versuche mit Oedogonium pluviale. Ber. Deut. Bot. Ges. 41: 245-252. Jl. 1923. no. 6.

Fritsch, Karl.
Eduard Palla. Ber. Deut. Bot. Ges. 40 (Gen. versammlungsh.): (86)-(89) My. 1923.
Verzeichnis der botanischen arbeiten von Eduard Palla: p. (88)-(89)

Gregor, Justin.
Fridolin Krasser. Ber. Deut. Bot. Ges. 40: (Gen.versammlungsh.): (112)-(121) My. 1923.
Die wissenschaftlichen arbeiten Fridolin Krassers: p. (118)-(121)

Haberlandt, Gottlieb.
Zur embryologie von Allium odorum L. Ber. Deut. Bot. Ges. 41: 174-179. illus. Je. 1923. no. 5.
Literatur: p. 179.

Harder, Richard.
Bemerkungen über die variationsbreite des kompensationspunktes beim gaswechsel der pflanzen. Ber. Deut. Bot. Ges. 41: 194-198. Je. 1923. no. 5.

Ber. Deut. Bot. Ges (cont.)

Harms, Hermann.
Heinrich Strauss. Ber. Deut. Bot. Ges. 40 (Gen.versammlungsh.): (97)-(99) My. 1923.

Huber, Bruno.
Beiträge zur kenntnis der wasserbewegung in der pflanze. Ber. Deut. Bot. Ges. 41: 242-245. Jl. 1923. no. 6.
Literatur: p. 245.

Knoll, Fritz.
Der tierversuch im dienste der blütenökologie Ber. Deut. Bot. Ges. 40 (Gen. versammlungsh.): (30)-(40) My. 1923.

Lakon, Georg.
Eine methode, die wirkung der katalase an der lebenden pflanze zu demonstrieren. Ber. Deut. Bot. Ges. 40 (Gen.versammlungsh.): (17)-(20) My. 1923.

Lepeschkin, W. W.
Ueber die chemische zusammensetzung des protoplasmas des plasmodiums. Ber. Deut. Bot. Ges. 41: 179-187. Je. 1923. no. 5.
Bibliographical foot-notes.

Meyer, F. J.
Arthur Meyer, 1850-1922. Ber. Deut. Bot. Ges. 40 (Gen.versammlungsh.): (100)-(111) port. My. 1923.
Schriftenverzeichnis: p. (105-(111)

Metzner, Paul.
Ueber induzierten phototropismus. Ber. Deut. Bot. Ges. 41: 268-274. Jl. 1923. no. 6.
Literatur: p. 274.

Mevius, Walter.
Beiträge zur kenntnis der farbstoffe und der membranen von Haematococcus pluvialis. Ber. Deut. Bot. Ges. 41: 237-242. Jl. 1923. no. 6.
Benutzte literatur: p. 241-242.

Miehe, Hugo.
Ueber die lebensdauer der diastase. Ber. Deut. Bot. Ges. 41: 263-268. Jl. 1923. no.6.
Bibliographical foot-notes.

Moewes, F.
Hugo Wilhelm Conwentz. Ber. Deut. Bot. Ges. 40 (Gen.versammlungsh.): (90)-(96) port. My. 1923.

Neumayer, Hans.
Eine methode zur herstellung von mikrotomschnitten nit (scheinbar) natürlicher farbe der chloroplastan. Ber. Deut. Bot. Ges. 40 (Gen.versammlungsh.): (41)-(43) My. 1923.

Prat, Silvestr.
Plasmolyse und permeabilität.III. Ber. Deut. Bot. Ges. 41: 225-227. Je.1923. no. 5.

Rimbach, August.
Lebensweise von Herbertia amoena. Ber. Deut. Bot. Ges. 41: 190-193. illus. Je. 1923. no. 5.

Richter, Oswald.
Konzentrierte schwefelsäure, konzentrierts kalilauge als treibmittel und andere erfahrungen über pflanzentreiberei. Ber. Deut. Bot. Ges. 40 (Gen.-versammlungsh.): (43)-(54) illus. My. 1923.
[Literatur]: p. (51)-(52)

Ber. Deut. Got. Ges. (cont.)

Ross, Hermann.
Otto Jaap. Ber. Deut. Bot. Ges. 40 (Gen. versammlungsh.): (77)-(83) My. 1923.
Schriftenverzeichnis: p. (83)-(83)

Ruhland, Willy.
Ueber die verwendbarkeit vitaler indikatoren zur ermittlung der plasmareaktion. Ber. Deut. Bot. Ges. 41: 252-254. Jl. 1923. no.6.
Literatur: p.254.

Schüepp, Otto.
Konstruktionen zur blattstellungstheorie. Ber. Deut. Bot. Ges. 41: 255-262. Jl. 1923. no.6.
Bibliographical foot-notes.

Tjebbes, Klaas.
Ganzfarbige samen bei gefleckten bohnenrassen. Ber. Deut. Bot. Ges. 41: 217-224. illus. Je. 1923. no. 5.

Weber, Friedl. and Hohenegger, Heinrich.
Reversible viscositätserhöhung des protoplasmas bei kälte. Ber. Deut. Bot. Ges. 41: 198-204. Je. 1923. no. 5.

Zimmerman, Albrecht.
Simon Schwendener. Ber. Deut. Bot. Ges. 40 (Gen. versammlungsh.): (53)-(76) My. 1923.
Schriftenverzeichnis: p. (73)-(76)

Bienn. Rep. Bd. Hort. Oregon.

Barss, H. P.
Bacterial gummosis of the cherry. Bienn. Rep. Bd.Hort. Oregon. 17: 152-154. illus. 1923.

Barss, H. P.
Bordeaux mixture and Burgundy mixture. Bienn. Rep. Bd. Hort. Oregon. 17: 105-109. 1923.

Barss, H. P.
Important small fruit diseases in Oregon and their control. Bienn. Rep. Bd. Hort. Oregon. 17:196-198. 1923.

Barss, H. P.
The menace of the white pine blister rust. Bienn. Rep. Bd. Hort. Oregon. 17: 220-226. illus. 1923.

Barss, H. P.
Mushroom root rot of fruit trees. Bienn. Rep. Bd.Hort. Oregon. 17: 171-176. illus. 1923.

Barss, H. P.
Peach tree protection a duty. Bienn. Rep. Bd. Hort. Oregon. 17: 159-161. illus. 1923.

Brown, W. S.
Heart rot, one of the most serious orchard troubles and its prevention. Bienn. Rep. Bd. Hort. Oregon. 17: 165. 1923.

Dosch, H. E.
History and development of French walnuts in Oregon. Bienn. Rep. Bd. Hort. Oregon. 17: 241-249. illus. 1923.

Bienn. Rep. Bd. Hort. Oregon. (cont.)

McKay, M. B.
A serious nematode disease of strawberry and clover in Oregon. Bienn. Rep. Bd. Hort. Oregon. 17: 177-182. illus. 1923.
Tylenchus dipsaci.

Macrum, C. A.
Combined Bordeaux oil emulsion spray. Bienn. Rep. Bd. Hort. Oregon. 17: 109-110. 1923.

Zeller, S. M.
Cytospora canker of apple and pear. Bienn. Rep. Bd. Hort. Oregon. 17: 162-164. illus. 1923.

Zeller, S. M.
European canker of pear and apple - its control Bienn. Rep. Bd. Hort. Oregon. 17: 155-158. illus. 1923.

Biochem. Zeitschr.

Lepeschkin, W. W.
Oberflächenspannung des protoplasmas und kapillaraktive stoffe. Biochem. Zeitschr. 139: 280-284. Jl. 1923. no. 1/3.
Bibliographical foot-notes.

Näslund, Carl and Dernby, K. G.
Untersuchungen über einige physiologische eigenschaften der strahlenpilze. Biochem. Zeitschr. 138: 497-504. Je. 1923. no. 4/6.
Literatur: p. 504.

Nemec, Antonin.
Zur kenntnis der glycerophyosphatase der pflanzensamen. II. Biochem. Zeitschr. 138: 198-204. Je. 1923. no. 1/3.
Bibliographical foot-notes.

Neuberg, C.
Hartwig Franzen. Biochem. Zeitschr. 138: 5. Je. 1923. no. 1/3.

Bol. Agr. Tecn. & Econ. Spain.

Priego Jarainillo, Juan Manuel.
La biologia del olivo Bol. Agr. Tecn. & Econ. Spain. 15: 655-665. illus. Jl. 1923. no. 175.
Bibliographical foot-notes.

Bothalia.

Baker, E. G.
Revision of South African species of Rhynochosia. Bothalia. 1: 113-138. 1922. no.3.

Brown, N. E.
The genera Aloe and Mesembryanthemum as represented in Thunberg's herbarium. Bothalia. 1: 139-169. 1922. no. 3.

Doidge, E. M.
A fungus of economic importance on the Avocado. Bothalia. 1: 179-186. illus. 1923. no.3.
Physalospora perseae.

Phillips, E. P.
Species of Elaphantorrhiza in the South African herbaria. Bothalia. 1: 187-193. pl. v-vi. 1922. no. 3.

Stent, S.M.
South African Gramineae. A new genus and seven new species. Bothalia. 1: 170-178. pl. i-iv. 1922. no.3.
Mosdenia gen.nov.

Bryologist.

Greenwood, H. E.
A contribution to the hepatic flora of Center County, Pennsylvania. Bryologist. 26: 36-38. Jl. 1923. no. 4.

Györffy, István.
Novitas bryologica. III-IV. Bryologist. 26: 38-39. illus. Jl. 1923. no. 4.

Williams, Robert.
Two undescribed mosses from Mexico. Bryologist. 26: 33-34. pl. iv. Jl. 1923. no. 4.
Pohlia zacatecana, Stereophyllum mexicanum, sp. nov.

Bull. For. Comm. Gt. Brit.

Great Britain. Forestry commission.
Poplars. Its Bull. 5. 55 p. illus., 3 pl. 1923.
Fungus and bacterial diseases: p. 47-50.

Bull. Jard. Bot. Etat Bruxelles.

Beeli,
Enumération des champignons signalées au Congo Belge. Bull. Jard. Bot. Bruxelles. 8: 67-101. D. 1922. no. 1.

Beeli,
Notes mycologiques. Bull. Jard. Bot. Bruxelles. 8: 1-22. illus. D. 922. no. 1.
I. Contributions a la flore mycologique du Congo II. Relevé des ustilaginées récoltées dans le basin du Congo. III. Relévé des ustilaginées d'Afrique et leurs hôtes.

Mattirolo, Oreste.
Un nouveau champignon hypogé du Congo Belge, Scleroderma bovonei Mattirolo. Bull. Jard. Bot. Bruxelles. 8: 23-37. pl. ii. D. 1922. no. 1.
Bibliographie: p. 36-37.

Wildeman, Emile.
Documents pour une monographie des espèces africaines du genre Vangueria Juss. Bull. Jard. Bot. Bruxelles. 8: 39-66. D. 1922. no. 1.

Wildeman, Emile de.
François-Marie-Camile Vermoesen...Bull. Jard. Bot. Bruxelles 8: i-[ix] D. 1922. no. 1.
Publications de Fr.M.-C. Vermoesen: p. [ix]

Bull. Misc. Inform. Kew.

Chipp, T. F.
New species of Rinorea from West Africa. Bull. Misc. Inform. Kew. 1923, no. 8. p. 289-299.
Bibliographical foot-note.

Hughes, D. K.
Orthachne and Streptachne. Bull. Misc. Inform. Kew. 1923, no. 8. p. 301-303.
Bibliographical foot-notes.

Hughes, D. K.
Paraustaenum novae-hollandiae. Bull. Misc. Inform. Kew. 1923, no. 8. p. 287-289. illus.

Hutchinson, John.
Affinity of Rhododendron micranthum. Bull. Misc. Inform. Kew. 1923, no. 8. p. 299-301.

Millard, W. A. and Burr, Sydney.
The causative organism of skin spot of potatoes. Bull. Misc. Inform. Kew. 1923, no. 8. p. 273-287. illus., pl. iii-iv. References: p. 287.

Bull. Nat.Hist. Surv. Chicago Acad. Sci.
Moffatt, W. S.
The higher fungi of the Chicago region.
II. The Gastromycetes. Bull. Nat. Hist.
Surv. Chicago Acad. Sci. v. 7, pt.2. 24 p.
pl. i-xxvi. My. 1923.

Bull. Soc. Roy. Bot. Belg.
Gravis, A.
L'edification de nos connaissances et la théorie
de l'adaptation. Bull. Soc. Roy. Bot. Belg.
55: 156-174. illus. 1923. no. 2.

Litardière, René de.
Contribution à l'étude des Festuca (subgen.
Eu-Festuca) du nord de la France (Nord, Pas-de-Cailais)
et de Belgique. Bull. Soc. Roy. Hort. Belg.
55: 92-133, 149-154. 1923. no. 2.

Marchal, Émile and Sternon, F.
Champignons parasites nouveaux pour la flore Belge
récoltés en 1915-1918. Bull. Soc. Roy. Bot. Belg.
55: 47-53. pl. i. 1922. no. 1.

Marchal, Émile.
Jean Chalon (1846-1921) Bull. Soc. Roy. Bot.
Belg. 55: 7-17. port. 1922. no. 1.

Sternon, F.
Une stilbacée nouvelle: Isaria fimicola spec. nov.
Bull. Soc. Roy. Bot. Belg. 55: 134-146. pl.iv-v.
1923. no. 2.

Vanderyst, Hyacinth.
Aide-mémoire pour faciliter la recherche et la
détermination des Andropogoneae du-bas et du moyen
Congo Belge. Bull. Soc. Roy. Bot. Belg. 55:
29-46. 1922. no. 1.

Bull. So. Calif. Acad. Sci.
Davidson, Anstruther.
New California plants. Bull. So. Calif. Acad.
Sci. 22: 71-72. pl. xvi-xx. Jl. 1923. no. 2.
Gilia lineata, G. truncata, Hasseanthus kessleri,
Allium bullardi, n.sp.

Calif. Citrogr.
Fulton, S. H.
G. Harold Powell as I knew him. Calif. Citrogr.
8: 372, 407-408. port. S. 1923. no. 11.

Ryerson, Knowles.
Efficiency in scaly bark and shell bark control.
Calif. Citrogr. 8: 371, 401. illus. S. 1923. no. 11.

Chacaras e Quintaes.
Averna Sacca, Rosario.
Uma molestia cryptogamica do fumo e seu combate.
Chacaras e Quintaes. v. 28, no. 2. p. [8] Ag.15,
1923.
Verticillium albo-atrum.

China Journ. Sci. & Arts.
Porterfield, W. M.
A new feature in vascular anatomy as displayed by
bamboo, particularly by the young sheath leaf.
China Journ. Sci. & Arts. 1: 273-279. 2 pl. My.
1923
References: p. 279.

Compt. Rend. Acad. Sci. Paris.

Lesage, Pierre.

Anomalies du fruit de Capsella bursa-pastoris, provoquées par la salure. Compt. Rend. Acad. Sci. Paris. 177: 406-407. Ag.6, 1923. no. 6.

Bibliographical foot-notes.

Country Life. London.

Elliott, Clarence.

Mossy saxifrages. Country Life. 54: 224-225. illus. Ag.18, 1923. no. 1389.

Curt. Bot. Mag.

Curt. Bot. Mag. v. 148, pt.IV. Ag. 1923.

Hemerocallis nana. 2 p. col. pl. 8968.
Picea brachytyla. 4 p. col. p. 8869.
Clethra delavayi. 4 p. col. pl. 8970.
Echinocereus baileyi. 2 p. col. pl. 8971.
Carmichaelia australis. 3 p. col. pl. 8972.
Rhododendron sinogrande. 2 p. col. pl. 8973.
Gentiana rigescens. 3 p. col. pl. 8974.
Haemanthus lynesii. 4 p. col. pl. 8975.
Wattakaka sinensis. 4 p. col. pl. 8976.
Echium coeleste. 3 p. col. pl. 8977.

Facts about Sugar.

Fealy, N. E.

Sugar producing palms, their history, description, habitat, sugar, and products other than sugar. (cont.) Facts about Sugar. 17: 184-185, 187. illus. Ag. 25, 1923. no. 3.

Floralia.

Schenk, P. J.

Knopwoekering van een dahliaknol. Floralia. 44: 520-521. illus. Ag. 24, 1923.

Bacterium tumefaciens.

Florida Grow.

Heimburger, Lindley.

[Citrus diseases: melanose & scab] Florida Grow. v. 28, no. 9, p. 16. S.1, 1923.

Flower Grow.

Auten, Edward, jr.

X-ray treatment for peony root-gall. Flower Grow. 10: 308. S. 1923. no. 9.

Garden.

Irving, Walter.

The genus Viola. Garden. 87: 435-437. illus. Ag.25, 1923. no.2701.

Gard. Chron.

Ballard, E. and Peren, C. H.

Red plant in strawberries. Gard. Chron. III, 74: 88. Ag.11, 1923. no. 1911.

The Ormskirk potato trials 1923. Gard. Chron. III, 74: 111. Ag.25, 1923. no. 1913.

Standley, P. C.

Notes on the cultivated plants of the Republic of Salvador. Gard. Chron. III, 74: 88, 101, 118. illus. Ag.11-25, 1923. no. 1911-13.

Ward, F. K.

Mr. Kingdon Ward's seventh expedition in Asia. no. 19. The Salween river. Gard. Chron. III, 74: 102. illus. Ag.18, 1923. no. 1912.

Gartenw.

Zörnitz, H.
Hemerocallis. Gartenw. 27: 238-239. illus. Jl.27, 1923. no. 30.

Gt. Brit. Food Invest. Bd. Spec. Rep.

Kidd, Franklin and West, Cyril.
Brown heart - A functional disease of apples and pears. Gt. Brit. Food Invest. Bd. Spec. Rep. no. 12. 54 p. pl. i-xix. 1923.
Literature cited: p. 54.

Ital. Agr.

Lo Priore, Giuseppe.
La Fame del frumentone. Italia Agr. 60: 338-342. illus. Ag. 1923. no. 8.

Jahrb. Wiss. Bot.

Linsbauer, Karl.
Ueber die interferenz von stossreizen und über ermudüngserscheinungen an blattgelenken von Mimosa pudica. Jahrb. Wiss. Bot. 62: 283-327. Jl. 1923. no. 3.
Literatur-verzeichnis: p. 326-327.

Schmid, Günther.
Das reizverhalten künstlicher teilstücke, die kontraktilität und das osmotische verhalten der Oscillatoria jenensis. Jahrb. Wiss. Bot. 62: 328-419. Jl. 1923. no. 3.
Literatur: p. 418-419.

Schumacher, Margarete.
Dekapitation und geotropische krümmungsfähigkeit von sprossen. Jahrb. Wiss. Bot. 62: 420-448. Jl. 1923. no. 3.
Literatur: p. 447-448.

Journ. Agr. Res.

Korstian, C. F.
Control of snow molding in coniferous nursery stock. Journ. Agr. Res. 24: 747. 3 pl. Je. 1923 (Sept.) no. 9.

Leonard, L. T.
An influence of moisture on bean wilt. Journ. Agr. Res. 24: 740-752. 3 pl. Je. 1923 (Sept.) no. 9.

McHargue, J. S.
Effect of different concentrations of manganese sulphate on the growth of plants in acid and neutral soils and the necessity of manganese as a plant nutrient. Journ. Agr. Res. 24: 781-794. 2 pl. Je. 1923 (Sept.) no. 9.
Literature cited: p. 793-794.

Reed, H. S. and Haas, A. R. C.
Growth and composition of orange trees in sand and soil cultures. Journ. Agr. Res. 24: 801-814. 5 pl. Je. 1923 (Sept.) no. 9.
Literature cited: p. 813-814.

Reed, H. S. and Haas, A. R. C.
The pseudo-antagonism of sodium calcium in dilute solutions. Journ. Agr. Res. 24: 753-557. pl. Je. 1923 (Sept.) no. 9.
Literature cited: p. 757.

Journ. Amer. Soc. Agron.

Conner, A. B. and Karper, R. E.
The inheritance of seed coat color in certain crosses in grain sorghum. Journ. Amer. Soc. Agron. 15: 338-344. Ag. 1923. no. 8.
Literature cited: p. 344.

Gile, Philip.
Methods of diagnosing toxicity. Journ. Amer. Soc. Agron. 15: 305-312. Ag. 1923. no. 8.
Literature cited: p. 312.

Hoffer, G. N. and Trost, J. F.
The accumulation of iron and aluminium compounds in corn plants and its probable relation to root rots. II. Journ. Amer. Soc. Agron. 15: 323-331. Ag. 1923.
Literature cited: p. 331.

Livingston, B. E.
Some physiological aspects of soil toxicity Journ. Amer. Soc. Agron. 15: 313-323. Ag. 1923. no. 8.

Thatcher, R. W.
The effect of one crop on another. Journ. Amer. Soc. Agron. 15: 331-338. Ag. 1923. no. 8.
Literature cited: p. 337-338.

Journ. Dept. Agr. So. Africa.

Baker, E.
The control of Oidium. Journ. Dept. Agr. So. Africa. 7: 118-121. Ag. 1923. no. 2.

Lansdell, K. A.
Notes on a "wild cucumber" (Cucumis metuliferus E.Meyer) Journ. Dept. Agr. So. Africa. 7: 142-144. illus. Ag. 1923. no. 2.

Lansdell, K. A.
Weeds of South Africa. X. The jointed cactus (Opuntia aurantiaca) Journ. Dept. Agr. So. Africa. 7: 170-177. illus. Ag. 1923. no.2.

Putterill, V. A.
Plant diseases in the western Cape province. IX. Tobacco mosaic - Tobacco mildew. Journ. Dept. Agr. So. Africa. 7: 181-184. illus. Ag. 1923. no. 2.

Journ. Hered.

Park, J. B.
Selection in broom corn. Journ. Hered. 14: 213-219. illus. Ag. 1923. no. 5.

Sax, Karl. and McPhee, H. C.
Color factors in bean hybrids. Journ. Hered. 14: 205-208. illus. Ag. 1923. no. 5.

Journ. Indian Bot. Soc.

Gupta, B. L.
A note on the genus Butea. Journ. Ind. Bot. Soc. 3: 233-234. Je. 1923. no. 8.

Hartog, Mabel.
The vegetation of Lalitpur - an ecological sketch Journ. Ind. Bot. Soc. 3: 211-222. Je. 1923. no. 8.

Journ. Indian Bot. Soc. (cont.)

Kenoyer, L. A.
On "Mixed formations in time" Journ. Ind. Bot. Soc. 3: 235. Je. 1923. no. 8.
Comments on Saxton's article.

Petch, Thomas.
Caesalpinia bonducella Fleming. Journ. Ind. Bot. Soc. 3: 223-225. Je. 1923. no. 8.

Petch, Thomas.
A new Sciaphila. Journ. Ind. Bot. Soc. 3: 226. Je. 1923. no. 8.
S. inornata.

Sabnis, T. S.
The flora of Sind (cont.) Journ. Ind. Bot. Soc. 3: 227-232. Je. 1923. no. 8.

Journ. Infect. Dis.

Quirk, A. J. and Fawcett, E. H.
Hydrogen-ion concentration vs. titratable acidity in culture mediums. Journ. Infect. Dis. 33: 1-59. Jl. 1923. no. 1.
Bibliographical foot-notes.

Journ. N. Y. Bot. Gard.

Small, J. K.
The cabbage-tree - Sabal palmetto. Journ. N.Y. Bot. Gard. 24: 145-158. plates. Ag. 1923. no. 284.
Bibliographical foot-notes.

Kosmos.

Heine, Werner.
Ueber die verbreitungsarten der samen bei den höheren pflanzen. Kosmos. 20: 201-206. illus. 1923. no. 8.

Malayan Agr. Journ.

Sharples, A.
Report on "black fruit" disease of pepper vines in Sarawak. Malayan Agr. Journ. 11: 120-128. My. 1923. no. 5.
Bibliographical foot-note.

Matières Grass.

Michotte, Félicien.
Les palmiers producteurs d'huiles. Matières Grass. 15: 6509-6510. Ag.15, 1923. no. 184.

Meded. Algem. Proefst. Landb.Nederl. Ind.

Groenewege, J.
Landbouwkundige onderzoekingen over de sligmziekte. Meded. Algem. Proefst. Landb. Nederl.-Ind. 12 79 p. xvi pl. on 8. 1922.

Meded. Landbouwhoogesch. Wageningen.

Wellensiek, S. J.
Ontijdige knolvorming bij vroege aardappels (knöllchenbildung nicht auflaufender saatkartoffeln) Meded. Landbouwhoogesch. Wageningen. v. 27, no. 3. 23 p. plates. 1923.
Litteratuur-lijst: p. 22-23.

Nature.

Adams, J.
The translocation of carbohydrates in the sugar maple. Nature. 112: 207. Ag.11, 1923. no. 2806.

Lacey, M. S.
Protozoa and virus diseases of plants. Nature. 112: 280-281. illus. Ag.25, 1923. no. 2808.

Mellor, Ethel.
Lichens and their action on the glass and leadings of church windows. Nature. 112: 299-300. illus. Ag.25, 1923. no. 2808.

Werner, E. A.
The presence or urease in the nodules on the roots of leguminous plants. Nature. 112: 202. Ag.11, 1923. no. 2806.

New Phytol.

Clements, F.E.
The ecological method in teaching botany. New Phytol. 22: 98-104. Jl. 1923. no.3.

Cockayne, Leonard.
Hybridism in the New Zealand flora. New Phytol. 22: 105-127. Jl. 1923. no.3.
Bibliographical foot-notes.

Saunders, E. R.
The bractless inflorescence of the Cruciferae. New Phytol. 22: 150-156. illus., pl. iii. Jl. 1923. no.3.
Bibliographical foot-notes.

Snow, R.
An apocarpic plant of the red campion (Lychnis dioica L.). New Phytol. 22: 156-158. illus. Jl. 1923. no. 3.

Stiles, Walter.
Permeability. New Phytol. 22: 128-149. Jl. 1923. no. 3.

New Zeal. Journ. Agr.

Walnut-blight, Introduction of immune variety by the Department. New Zeal. Journ. Agr. 27: 25. Jl. 1923. no. 1.
Juglans hindsii.

Waters, R.
Apple flesh-collapse or brown-heart. Control measures for orchard and cool store. New Zeal. Journ. Agr. 27: 32-41. Jl. 1923. no. 1.

Pharm. Weekbl.

Wisselingh, Cornelius van.
Bijdragen tot de kennis van de zaadhuid 15. bijd. Over de zaadhuid bij de orde der Ericales. Pharm. Weekbl. 60: 921-932. Ag.25, 1923. no.34.

Photo-era.

Clarke, Cornelia.
How to photograph wild flowers. Photo-era Mag. 51: 140-143. illus. S. 1923. no. 3.

Queensl. Agr. Journ.

White, C. T. and Francis, W. D.
Queensland trees no. 22. The bolly gum (Litsea reticulata) Queensl. Agr. Journ. 20: 46-48. illus. Jl. 1923. no. 1.

White, C. T.
Weeds of Queensland no. 33. Tree groundsel (Naccharis halimifolia) Queensl. Agr. Journ. 20: 49-50. illus. Jl. 1923. no. 1.

Rev. Bot. Appl.

Chevalier, Auguste.
L'oeuvre d'Alis Jordan et la nition actuelle d'espèce en systématique. A propos du cinquantenaire du mémoire sur les espèces affines. Rev. Bot. Appl. 3: 441-459. Jl. 1923. no. 23.
Bibliographical foot-notes.

Rev. Hort.

Foëx, Etienne.
La maladie verruqueuse de la pomme de terre ou galle noire. Rev. Hort. 95: 442-443. pl. Ag.16, 1923. no. 20.

Leray, Ch.
Les Megasea. Rev. Hort. 95: 436-438. illus. Ag.16, 1923. no. 20.

Marque, J. P.
Le Chamaedorea sartorii Linn. et le Ch. oblongata Mart. aux serres du parc de la tete d'or a Lyon. Rev. Hort. 95: 446-448. illus. Ag.16, 1923. no. 20.

Rhodora.

Bailey, L. H.
George Lincoln Goodale. Rhodora. 25: 117-120. port. Ag. 1923. no. 296.

Brackett, A.
Revision of the American species of Hypoxis. Rhodora. 25: 120-147. illus. Ag. 1923. no. 296.
Contr. Gray Herb., n.s., no. LXIX, I.

Nye, H. A.
A station in Maine for Ilex verticillata, forma chrysocarpa. Rhodora. 25: 148. Ag. 1923. no. 296.

Riv. Patol. Veg.

Ciferri, R.
Su di un cancro del "Ficus elastica." Riv. Patol. Veg. 13: 85-90. illus. Jl. 1923.
Lavori citati: p. 90.
Volutella petrii n.sp.

Preti, G.
Osservazioni intorno ad una fumaggine della "Bumelia ambigua" Ten. ed a quelle degli agrumi. Riv. Patol. Veg. 13: 69-84. Jl. 1923.
Bibliographical foot notes.

Science.

Ezekiel, W. N.
Hydrogen ion concentration and the development of Sclerotinia apothecia. Science. 58: 166. Ag.31, 1923. no. 1496.

Shull, C. A.
Mutiple seeded burs of Xanthium. Science. n.s. 58: 145-146. Ag.24, 1923. no. 1495.

Sugar Centr. & Plant. News.

Medalla, N. G.
Diseases of cane in the Philippines. Sugar Centr. & Plant. News. 4: 390-392. illus. Ag.1923, no. 8.

McWhorter, F. P.
Cause and control of Fiji disease. Sugar Centr. & Plant. News. 4: 385-389. illus. Ag. 1923. no. 8.
In English and Spanish.

Trab. Mus. Nac. Cienc. Nat. Madrid Ser. Bot.

Urcelay, J. C.
Contribución al estudio de la adaptación de las plantas para disminuir la transpiración... Trab. Mus. Nac. Cienc. Nat. Ser. Bot. n.18. 75 p. illus. 1923.
Bibliografia: p. 73-75.

West-Indië Landb. Tijdschr. Suriname en Curacao.

Prescott, S. C.
Bacoveziekten. West-Indië Landb. Tijdschr. Suriname en Curacao. 8: 37-56. Je. 1923. no. 2.
Panamaziekte - Bonnygateziekte. - Zwartkopziekte. - Zwartvlekziekte. - Hartbladziekte. - Marasmiusy rot. - Coloradoziekte.

Zeitschr. Indukt. Abstamm. u. Vererbungsl.

Hemleben, Hans.
Einige bemerkungen über generationswechsel, abstammung und geschlechtsverhältnisse der Zygnemales. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 31: 185-191. 1923. no. 1/2.
Literatur: p. 190-191.

Janchen, Erwin.
Das verhalten der geschlechtsfaktoren bei der embryosackbildung der blütenpflanzen. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 31: 261-267. 1923. no. 3.
Bibliographical foot-notes.

Kniep, H.
Ueber erbliche änderungen von geschlechtsfaktoren bei pilzen. Zeitschr. Indukt. Abstamm. u. Vererbunsl. 31: 170-183. 1923. no. 1/2.
Bibliographical foot-notes.

Oehlers, Friedrich.
Vererbungsversuche an oenotheren II. Zeitschr. Indukt. Abstamm. u. Vererbunsl. 31: 201-260. illus. 1923. no. 3.
Zitierte literatur: p. 260.

Tjebbes, Klaas.
Kreuzungen mit Phaseolus multiflorus. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 31: 184-185. 1923. no. 1/2.

Zeitschr. Pflanzenernähr. u. Düng. B.Wirtsch.Prakt.Teil.
Münter, F.
Ueber den einfluss alkalischer bodenreaktion auf die pflanzenproduktion. Zeitschr. Pflanzenernähr. u. Düng. B. Wirtsch. Prakt. Teil. 2: 289-298. 1923. no. 6.

Zeitschr. Sukkulent.
Berger, Alwin.
Rhipsalis roseana Berger n.sp. Zeitschr. Sukkulent. no. 2. p. 22-23. Mr. 1923.

Pflanz, Karl.
Der bolivianische Gran Chaco. Zeitschr. Sukkulent. no. 1. p. 2-6. F. 1923.
Beitrag zur kenntnis der kakteen-gebiete im innern Süd-Amerikas.

Schwantes, G.
Mesembrianthemum lapidiforme Marl. Zeitschr. Sukkulent. no. 1. p. 6-11. illus. F. 1923.

Vaupel, Friedrich.
Cereus geometrizans Mart. Zeitschr. Sukkulent. no. 3. p. 30-31. illus. My. 1923.

Vaupel, Friedrich.
Echinocactus grusonii Hildm. Zeitschr. Sukkulent. no.2. p. 14-15. illus. Mr. 1923.

Vaupel, Friedrich.
Die Echinopsis- blüte. Zeitschr. Sukkulent. no. 5. p. 46-47. illus. Ag. 1923.

Vaupel, Friedrich.
Rhipsalis ramulosa s.d. Pfeiff. Zeitschr. Sukkulent. no. 2. p. 19-20. Mr. 1923.
Rhipsalis leiophloea Vpl. n.sp.

Weingart, Wilhelm.
Crassula schmidtii Regel. Zeitschr. Sukkulent. no. 2. p. 224-25; no.3., p. 25-26. Mr.-My. 1923.

Exper. Stat. Publ.
Hanson, H. C.
Distribution of Arizona wild cotton (Thurberia thespesioides) Arizona Agr. Exp. Stat. Techn. Bull. 3. 59 p. illus. Ap. 1923.
Bibliography: p. 59.

Thomas, E. E.
The citrus nematode, Tylenchus semipenetrans Calif. Agr. Exp. Stat. Techn. Paper no. 2. 19 p. 8 pl. F. 1923.
Literature cited: p. 19.

Stratton, M. E.
The morphology of the double kernel in Zea mays var. polysperma. Cornell Agr. Exp. Stat. Mem. no. 69. 17 p. illus. Je. 1923.
References cited: p. 18.

Christensen, J. J.
Studies on the parasitism of Helminthosporium sativum. Minnesota Agr. Exp. Stat. Techn. Bull. 11. 42 p. 2 pl. N. 1922 (Rec'd Aug.1923)
Literature cited: p. 40.

Exper. Stat. Publ. (cont.)

Hansen, T. S., Kenety, W.H., Wiggin, G.H. & Stakman, E.C.
A study of the damping-off disease of coniferous seedlings. Minnesota Agr. Exp. Stat. Techn. Bull. 15. 35 p. illus. Ap. 1923 (Rec'd Aug.)

Leach, J. G.
The parasitism of Colletotrichum lindemuthianum Minnesota Agr. Exp. Stat. Techn. Bull. 14. 41 p. viii pl. Mr. 1923 (Rec'd Aug.)
Literature cited: p. 39-41.

Butler, Ormond.
Experiments on the field control of snapdragon rust together with a description of a method for the control of the disease in greenhouses. New Hamp. Agr. Exp. Stat. Techn. Bull. 22. 14 p. My. 1923. (Rec'd Jl.)

Zeller, S. M.
Mosaic and other systemic diseases of brambles in Oregon. Oregon Agr. Exp. Stat. Circ. 49. 15 p. illus. Jl. 1923.

Morris, O.M.
Apple rosette Washington Agr. Exp. Stat. Bull. 177 (Techn.Paper) 30 p. illus. Jl. 1923.
References: p. 29.
A functional or nutritional disorder of apple & pear trees.

State Publications.

Martin, W. H.
Results of investigational work in 1922. New Jersey Dept. Agr. Bull. no. 35. p. 182-190. Mr. 1923.

New Books.

Appel, Otto.
Beispiele zur mikroskopischen untersuchung von pflanzenkrankheiten. 3. verm. u. verb. aufl. Berlin, J. Springer, 1922.

Bonnier, Gaston E M.
Flora complete illustrée en couleurs de France, Suisse et Belgique. fasc. 61-62. col. pl. 361-372. (Seyeria-Xanthium) 1923.

Bower, F. O.
The ferns...vol. I. Analytical examination of the criteria of comparison. Cambridge, University press, 1923.

Herzog, Th.
Die pflanzenwelt der bolivischen Anden und ihres östlichen vorlandes. Leipzig, 1923. (Die vegetation der erde,..hrsg. von A. Engler u. O. Drude XV)

Hoehne, F. C.
Contribuição ao conhecimento das leguminosas da Rondonia (Additamento para a parte VIII) 1922. (Commissão de linhas telegraphicas estrategicas de Matto-Grosso ao Amazonas (Publ. 74) Annexo n.5. Hist. Nat.: botanica pte.XII)

New Books (cont.)

Kenoyer, L. A.
Waldformationen des westlichen Himslaya. In Karsten, G. Vegetationsbilder r.15,h.1. 6 pl. 1923.

Köck, G. and Fulmek, L.
Pflanzenschutz I-III. Wien 1922.
I. Feldbau. II. Obst- und weinbau. III. Gemüse- und gartenbau.

Koorder-Schumacher, A.
Exkursions-flora von Java. v.4, atlas, abt.2, (Cruciferae- Burmanniaceae) 1923.

McNair, J. B.
Rhus dermatitis. Chicago, Univ. of Chicago press, 1923.

Das pflanzenreich heft 84 Cruciferae- Brassiceae pars secunda. O.E. Schulz. 1923.

Sydow, Paul & Hands.
Monographia uredinearum... v.4, fasc. 1. Peridermium - Aecidium. Lipsiae, Fr. Borntraeger, 1923.

Tubeuf, Karl von.
Monographie der mistel. München, R. Oldenbourg, 1923.

Wolffenstein, Richard.
Die pflanzenalkaloide 3 verb. und verm. aufl. Berlin, J. Springer, 1922.
Considered 3d ed. of Pictet's work.

Library, Bureau of Plant Industry
Current Authors Entries, 1923, List 118.
Indexed Sept. 10 - Sept. 22, 1923.

Agr. Mexicano y Hogar.
Hernández, Norberto.
Plantas forrajeras de nuestra flora silvestre (cont.) Agric. Mex. y Hogar. 39: 267-269. S. 1923. no. 9.

Amer. Bee Journ.
Lovell, J. H.
Relation of the sense of smell to the odors of flowers. Amer. Bee Journ. 63: 335-337. illus. Jl. 1923.

Amer. Flor.
Scott, L. B.
Nursery stock investigations. Amer. Flor. 61: 469-471. S.15, 1923. no. 1841.

Amer. For.
Buttrick, P. L.
An American visitor at Kew. Amer. For. 29: 467-470, 504. illus. Ag. 1923. no.356.

Sudworth, G. B.
Is there a frost-resistant eucalypt? Amer. For. 29:465-466. illus. Ag. 1923. no. 356.

Ann. Rep. Zanzibar Dept. Agr.
Welsford, E. J.
[Report of mycologist] 1922. Ann. Rep. Zanzibar Dept. Agr. 1922. p. 7-8. 1923.

Ann. Sci. Agron.
Nemec, Antonin. & Duchon, F.
Sur une nouvelle méthode biochimique pour la détermination de la faculaté vitale des semences. Ann. Sci. Agron. 40: 121-150. My./Je. 1923. no. 3.
Bibliographie: p. 150.

Arch. Suikerind. Ned. Indië.
Geers, J. M.
Enkele gegevens over wortelrot bij Ek 28. Arch. Suikerind. Nederl-Ind. 1923. p. 711-731. Jl. 1923. no. 29.

Belgium Min. Agr. & Trav. Publ. Avis aux Cultivat.
Belgium. Ministère de l'agriculture et des travaux publics - Office horticole.
L'oïdium américaire du groseillier. Its Avis aux Cult. 2. s., 2 (rev.) 6 p. illus. 1923.

Biochem. Zeitschr.
Beckmann, Ernst., Liesche, Otto. & Lehmann, F.
Qualitative und quantitative unterschiede der lignine einiger holz- und stroharten. Biochem. Zeitschr. 139: 491-508. 1923.

Blatt. Zuckerrübenb.
Müller, H. C. & Molz, E.
Versuche über den einfluss der vorfrucht auf den nematodenbefall und den ertrag der zuckerrüben. Blätt. Zuckerrübenb. 30: 89-94. Jl.31, 1923. no.7.

Boll. Mens. Inform. e Not. R. Staz. Pat. Veg.
Campanile, Giulia.
Sulla Phoma betae Frank come agente della moria delle bietole nei semenzai in Italia. Boll. Mens. Inform. e Not. R. Staz. Patol. Veg. Roma. 4: 39-48. illus. Ap./Je. 1923. no. 4/6.
Scritti citati: p. 48.

Boll. Mens. Inform. e Not. R. Staz. Pat. Veg. (cont.)

Perotti, Renato.
Relazione dell'attivita: del Laboratorio di batteriologia agraria annesso alla R. Stazione di patologia vegetale di Roma durant egl. anni 1915-1921. Bol. Mens. Inform. e Not. R. Staz. Patol. Veg. Roma. 4: 49-55. Ap./Je. 1923. no. 4/6.
Elenco delle pubblicazioni: p. 54-55.

Bot. Arch.

Branscheidt, P.
Zur kenntnis der experimentellen beeinflussung der wachstumfaktoren in der pflanze. Bot. Arch. 4: 181-195. illus. S.1, 1923. no. 3.
Literaturverzeichnis: p. 195.

Krasske, G.
Navicula ventralis n. spec. Bot. Arch. 4: 248. S.1, 1923. no.3.

Muench, Ernst.
Zur anatomie der harzgänge von Pinus silvestris. Bot. Arch. 4: 195-200. illus. S.1, 1923. no.3.
Literatur-verweise: p. 200.

Schmucker, Theodor.
Zur morphologie und biologie geophiler pflanzen. Bot. Arch. 4: 201-248. illus. S.1, 1923. no.3.
Literatur-übersicht: p. 248.

Bull. Mus.Hist.Nat. Paris.

Colin, Henri. & Franquet, R.
Greffes d'Helianthus à inuline sur soleil annuel et sur diverses composées. Bull. Mus. Hist. Nat. Paris. 29: 119-121. 1923. no. 1.

Danguy, Paul.
Une combrétacée nouvelle de Madagascar. Bull. Mus. Hist. Nat. Paris. 29: 108. 1923.
Terminaliopsis tetrandus.

Lecomte, Henri.
Existence en Indochine d'un genre américain de la famille des sapotacées. Bull. Mus. Hist. Nat. Paris. 29: 179-180. 1923. no. 2.
Bumelia harmandii n.sp.

Guillaumin, André.
Contribution à la flore de la Nouvelle-Calédonie XL-XLI. Bull. Mus. Hist. Nat. Paris. 29: 112-118. 1923. no. 1

Patouillard, Narcisse.
Contribution à l'étude des champignons de l'Annam. Bull. Mus. Hist. Nat. Paris. 29: 332-339. 1923. no. 3.

Pellegrin, François.
Plantae letestuanae novae ou plantes nouvelles récoltées par M. Le Testu de 1907 à 1919 dans le Ma-Yombe congolais VI-VII. Bull. Mus. Hist. Nat. Paris. 29: 109-111, 266-269. 1923. no. 1,4.

Souny, J.
Essais comparés de culture de blés, à l'automne et au printemps. Bull. Mus. Hist. Nat. Paris. 29: 183-188. 1923. no. 2.

Citrus Indust.

Burger, O. F.
Citrus stem end rot. Citrus Ind. v.4, no. 9, p. 14. S. 1923.

Compt. Rend. Acad. Sci. Paris.

Killian, Charles. & Likhité, V.
Le développement du Hendersonia foliorum Fuck. Compt. Rend. Acad. Sci. Paris. 177: 484-486. illus. Ag. 1923.

Vuillemin, Paul.
Variation et fluctuation dans le nombre des stigmates de Papaver. Compt. Rend. Acad. Sci. Paris. 177: 444-445. Ag. 1923. no. 8.

Facts about Sugar.

Fealy, N. E.
Sugar-producing palms..(concl.) Facts about Sugar. 17: 252-253, 256-258. illus. S.15, 1923. no.11.
Bibliography: p. 257-258.

Flor. Exch.

Baxter, S. N.
Preserving tree wounds. A discussion of this subject in connection with a new dressing for tree wounds. Flor. Exch. 56: 741, 743-744. S.15, 1923. no. 11.

Garden.

Canning-Wright, H. W.
Insectivorous plants I. Garden. 87: 458. S.1, 1923. no. 2702.

Gard. Chron.

Johns, W. H.
Red plant disease in strawberries. Gard. Chron. III,74: 134-135. S.1, 1923. no. 1914.

Petch, Thomas.
Lathyrus odoratus zelanicus. The sweet pea of Ceylon. Gard.Chron. III, 74: 145. S.8, 1923. no. 1915.

Standley, P. C.
Notes on the cultivated plants of the Republic of Salvador. (concl.) Gard. Chron. III, 74: 132. S.1, 1923. no. 1914.

Ward, F. K.
Mr. Kingdon Ward's seventh expedition in Asia no. 20. The Salween-Irrawady divide. Gard. Chron. III,74: 130-131. illus. S.1, 1923. no. 1914.

Hoppe-Seyl.Zeitschr. Phys. Chem.

Franzen, Hartwig. & Keyssner, Ernst.
Ueber die chemischen bestandteile grüner pflanzen XXIX. Mitt. Ueber einige wasserlösliche bestandteile der blätter der brombeere (Rubus fruticosus) Hoppe-Seyl.Zeitschr. Phys. Chem. 129:309-319. Ag. 1923. no. 4/6.

Indian For.

Fischer, C. E. C.
Santalum album Linn. in the Chitoor district. Indian For. 49: 421-429. Ag. 1923. no. 8.

Jivanna Rao, P. S.
A note on south Indian Loranthaceae and their host plants. Indian For. 49: 416-420. pl. 16-17. Ag. 1923. no. 8.

Journ. Agr. Prat.

Noffray, E.
Maladie des aiguilles du sapin et de l'epicea. Journ. Agr. Prat. 87 (n.s.,40): 178-179. S.1, 1923. no. 35.
Achantostigma parasiticum.

Journ. Agr. Res.

Brotherton, Wilber.
Further studies on the inheritance of "rogue" types in garden peas (Pisum sativum) Journ. Agr. Res. 24: 815-852. 8 pl. Je. 1923 (Sep.) no.10.
Literature cited: p. 852.

Dodge, B. O.
Morphology and host relations of Pucciniastrum americanum. Journ. Agr. Res. 24: 885-894. 5 pl. Je.16, 1923 (Sep.) no. 11.
Literature cited: p. 893-894.

Harrington, J. B. & Aamodt, O. S.
The mode of inheritance of resistance to Puccinia graminis with relation to seed color in crosses between varieties of Durum wheat. Journ. Agr. Res. 24: 979-996. 3 pl. Je.23, 1923 (Sept.) no. 12.
Literature cited: p. 995-996.

Harter, L. L. & Weimer, J. L.
Influence of the substrate and its hydrogen-ion concentration on pectinase production. Journ. Agr. Res. 24: 861-878. Je.9,1923 (Sep.) no. 10.
Literature cited: p. 877-878.

Hayes, H. K. & Aamodt, O. S.
A study of rust resistance in a cross between Marquis and Kota wheats. Journ. Agr. Res. 24: 997-1012. 3 pl.Je.23, 1923 (Sep.) no. 12.
Literature cited: p. 1012.

Hutchins, L. M. & Livingston, B. E.
Oxygen-supplying power of the soil as indicated by color changes in alkaline pyrogallol solution. Journ. Agr. Res. 25: 133-140. Jl.21, 1923 (Sep.) no. 3.

Peltier, G. L. & Frederich, W. J.
Relative susceptibility of citrus fruits and hybrids to Cladosporium citri Massee. Journ. Agr. Res. 24: 955-959. Je.16, 1923 (Sep.) no. 11.
Literature cited: p. 955.

Pritchard, F. J. & Porte, W. S.
Watery-rot of tomato fruits. A Physiological form of Oospora lactis; effect on the host; penetration of the cell walls by enzymic action. Journ. Agr. Res. 24: 895-905. 4 pl. Je.16, 1923 (Sep.) no. 11.
Literature cited: p. 905.

Riker, A. J.
Some relations of the crowngall organism to its host tissue. Journ. Agr. Res. 25: 119-132. 5 pl. Jl.21, 1923 (Sep.) no.3.
Literature cited: p. 132.

Journ. Agr. Res. (cont.)

Schultz, E. S. & Folsom, Donald.
Transmission, variation and control of certain degeneration diseases of Irish potatoes. Journ. Agr. Res. 25: 43-117. 15 pl. Jl.14, 1923 (Sep.) no. 2.
Literature cited: p. 115-117.

Stakman, E.C., Levine, M.N. & Bailey, D. L.
Biologic forms of Puccinia graminis on varieties of Avena spp. Journ. Agr. Res. 24: 1013-1018. 4 pl. Je.23,1923 (Sep.) no.12.
Literature cited: p. 417-418.

Tisdale, W. B.
Bacterial spot of lima bean. Journ. Agr. Res. 25: 141-153. 3 pl. Jl.21, 1923 (Sept.) no.3.
Literature cited: p. 153.
Bacterium viridifaciens n.sp.

Walker, J.C.
Disease resistance to onion smudge. Journ. Agr. Res. 24: 1019-1039. 4 pl. Je.23,1923 (Sep.) no.12.
Literature cited: p. 1038-1039.

Weimer, J. L. & Harter, L.L.
Hydrogen-ion changes induced by species of Rhizopus and by Botrytis cinerea. Journ. Agr. Res. 25: 155-164. Jl.21, 1923 (Sep.) no.3.
Literature cited: p. 163-164.

Weston, W. H.
A method of treating maize seed to destroy adherent spores of downy mildew. Journ. Agr. Res. 24: 853-860. Je.9,1923.(Sep.) no.10.
Literature cited: p. 859-860.

Journ. Amer. Chem. Soc.

Jodidi, Samuel L. & Markley, K. S.
The occurrence of polypeptides and free amino acids in the ungerminated wheat kernel. Journ. Amer. Chem. Soc. 45: 2137-2144. S. 1923. no.9.

Journ. Amer. Pharm. Assoc.

Mayo, C. A.
A garden of herbs. Journ. Amer. Pharm. Assoc. 12: 794-798. S. 1923. no. 9.

Peacock, J. C. & Peacock, B. L. de G.
The tannin of wild cherry bark. Journ. Amer. Pharm. Assoc. 12: 774-782. S. 1923. no. 9.

Journ. Arnold Arb.

Rehder, Alfred.
Enumeration of the ligneous plants of northern China. Journ. Arnold Arb. 4: 117-192. Jl. 1923 (Sep.) no. 3.

Journ. Bot.

Britten, James.
Ehrhart and the "Supplementum plantarum" Journ. Bot. 61: 148-151. My. 1923.

Britten, James.
Lloydia serotina. Journ. Bot. 61: 225-229. S. 1923. no. 729

Dr. H. O. Forbes's New Guinea plants (cont.) Journ. Bot. 61, Suppl. p. 33-40. S. 1923 no. 729.

Journ. Bot. (cont.)

Matthews, J. R.
William Barclay (1846-1923) Journ. Bot. 61: 234-237. S. 1923. no. 729.

Norma, Cecil.
New tropical african Umbelliferae. (cont.) Journ. Bot. 61: 133-134. My. 1923. no. 725.
Pimpinella favifolia, P. pseudo-caffra.

Ramsbottom, John.
The derivation of Merulius. Journ. Bot. 61: 240-241. S. 1923. no. 729.

Salmon, E. S. & Wormald, H.
A new Cercospora on Humulus. Journ. Bot. 61: 134-136. My. 1923. no. 725.
C. cantuariensis.

Sprague, T. A.
Apium leptophyllum. Journ. Bot. 61: 129-133. My. 1923. no. 725.
References: p. 132-133.

Sprague, T. A.
Pehria nom. nov. Journ. Bot. 61: 238-239. S. 1923. no. 729.
Pehria new name for Grislea Loefl.

Wilmott, A. J.
Thymus lanuginosus in herb. Miller. Journ. Bot. 61: 136-138. My. 1923.
Note by editor on "Terms for types": p.137-138.

Journ. Elisha Mitchell Soc.

Ashe, William Willard.
The common names of some trees. Journ. Elisha Mitchell Sci. Soc. 39: 89-91. Ag. 1923. no. 1/2.
Quercus, Hicoria.

Ashe, W. W.
Notes on shrubs of the southeastern states. Journ. Elisha Mitchell Sci. Soc. 39: 110-111. Ag. 1923. no. 1/2.
Azalea speciosa Willd.; Robinia unakae, R. pedunculata n.sp.

Blomquist, H. L.
Dormancy in the seeds of the persimmon. Journ. Elisha Mitchell Sci. Soc. 39: 83-85. illus. Ag. 1923. no. 1/2.

Coker, W. C. & Couch, J. N.
A new species of Thraustotheca. Journ. Elisha Mitchell Sci. Soc. 39: 112-115. pl. 8. Ag. 1923. no. 1/2.
T. achlyoides.

Korstian, C. F.
Density of the cell sap of plants in relation to environmental conditions. Journ. Elisha Mitchell Sci. Soc. 39: 63-69. Ag. 1923. no. 1/2.

Totten, H. R.
Development of the fruit body of a new parasitic Rhizpogon. Journ. Elisha Mitchell Sci. Soc. 39: 101-109. pl. 1-7. Ag. 1923. no. 1/2.
Literature cited: p. 107-108.
Rhizpobon parasiticus on the roots of Pinus echinata & P. taeda.

Journ. Gen. Physiol.

Hoagland, D. R. & Davis, A. R.
Further experiments on the absorption of ions by plants, including observations on the effect of light. Journ. Gen. Phys. 6: 47-62. S. 1923.
Experiments with Nitella.

Journ. Min. Agr. Gt. Brit.

Ware, W. M. & Chambers, J. E.
Garlic-scented pennycress: a weed new to Britain. Journ.Min. Agr. Gt. Brit. 30: 535-538. pl. S.1923. no.6.
Thlapsi alliaceum.

Journ. Soc.Nat. Hort. France.

Mottet, Seraphim.
Notes sur l'origine, l'evolution et la culture des iris des jardins. Journ. Soc. Nat. Hort. France. IV, 24: 323-330. Jl. 1923.

K. Landtbr. Akad. Handl. o. Tidskr.

Arrhenius, Olaf.
Försök till bekämpande av havrens gråfläcksjuka. K. Landtbr. Akad. Handl. o. Tidskr. 62: 324-340. col.pl. 1923. no. 4.
Litteraturförteckning: p. 339-340.
Medd. n:r 244 från Centralanstalten för försöksväsendet på jordbruksomradet. Avdelningen för landtbruksbotanik n:r 27.

Arrhenius, Olaf.
Några bidrag till kännedomen om sambandet mellan markreaktionen och vissa kulturväxters utveckling Orienterande försök. K. Landtbr. Akad. Handl. o. Tidskr. 62: 417-428. 1923. no. 5.
Litteratur: p. 427-428.
Medd. n:r 245 från Centralanstalten för försöksvä-sendet Avdelningen för landtbruksbotanik n:r 28.

Landw. Jahrb. Schweiz.

Volkart, Albert. & Neuweiler, E.
Der kartoffelkrebs. Landw. Jahrb. Schweiz. 37: 193-213. illus. 1923. no. 3.
Benützte abhandlungen, zeitschriften und flugblätter: p. 213.

Monatsh. Chem.

Aszkenazy, Benim.
Beitrage zur vergleichenden pflanzenchemie VI. Ueber die früchte von Gleditschia triacanthos L. Monatsh. Chem. 44: 1-8. Je. 1923. no. 1/2.

Bard, Lucie & Zellner, J.
Ueber Amanita muscaria L., Inoloma alboviolaceus Pers., Boletus satanas Lenz. und Hydnum versipelle. Monatsh. Chem. 44: 9-17. Je. 1923. no.1/2.
Zur chemie der höheren pilze XVII.mitt.

Vogel, Hans.
Beiträge zur vergleichenden pflanzenchemie V. Ueber Alchemilla alpina L. Monatsh. Chem. 44: 19-20. Je. 1923. no.1/2.

Mycologia.

Arthur, J. C.
Professor Holway. Mycologia. 15: 242-243. S. 1923. no.5.
Died Mr. 31, at Phoenix, Arizona at age of 70.

Cook, M. T.
The life history of Nectria ipomoea. Mycologia. 15: 233-235. pl. 25. S. 1923. no. 5.

Lloyd, C. G.
The truffle industry of Italy. Mycologia. 15: 236-238. S. 1923. no. 5.

Murrill, W. A.
Virginia fungi. Mycologia. 15: 243-244. S. 1923. no.5.
Collected at Mountain Lake & Blacksburg.

Overholts, L. O.
The species of Poria described by Schweinitz. Mycologia. 15: 207-232. illus., pl.21-24. S.1923. no.5.

Stevens, F. L. & Weedon, A. G.
Three new myriangiaceous fungi from South America. Mycologia. 15: 197-206. pl. 18-20. S. 1923. no.5.
Myrianginella, M. tapirae; Kusanoopsis, K. guianensis; Myriangina miconiae.

Nat. Canad.

Marie-Victorin, Fr.
Note sur un arbre nouveau du Québec, le Crataegus victorinii Sargent. Natural. Canad. 50: 21-23. Jl./Ag. 1923. no. 1/2.

Nature Mag.

Brownell, L. W.
The black oak. Nature Mag. 2: 239-241. illus. O. 1923. no. 4.

Hansen, A. A.
Our American golden rod. Nature Mag. 2: 212-214. illus. O. 1923. no. 4.

Naturwissenschaften.

Stoll, A.
Ueber mutterkorn. Naturwissensch. 11: 697-705. 720-725. Ag. 1923. no. 33-34.

New Zeal. Journ. Agr.

Cunningham, G. H.
Black-rot (Physalospora cydoniae Arnaud). A fungous disease of apple, pear and quince. New Zeal. Journ. Agr. 27: 95-102. illus. Ag. 1923. no.2.
Literature consulted: p. 102.

Field, W. H.
Paspalum digitaria as a sand-drift binder. New Zeal. Journ. Agr. 27: 73. Ag. 1923. no. 2.

Nuovi Ann. Min. Agr. Italy.

Petri, Lionello.
Sul mode di diffondersi del mal dell'inchiostro del castagno e sui mezzi piú efficaci per combatterlo. Nuovi Ann. Min. Agr. Italy. 3: 3-19. Mr. 1923.

Nuovi Ann. Min. Agr. Italy. (cont.)

Savastano, Giulio.
Sullo stato attuale dei meleti del versante orientale etneo Nuovi Ann. Min. Agr. Italy. 3: 20-26. Mr. 1923.

Voglino, Piero.
L'imbrunimento delle mele determinato dal fungillo "Sphaeropsis malorum" Berck. Nuovi Ann. Min. Agr. Italy. 3: 38-48. Mr. 1923. no. 1.
Bibliographical foot notes.

Oesterr. Bot. Zeitschr.

Cammerloher, Hermann, 1885-
Zur biologie der blüte von Aristolochia grandiflora. Oesterr. Bot. Zeitschr. 72: 180-198. pl.v-vii. 1923. no. 6/8.

Handel-Mazzetti, Heinrich.
Nachträge zur Monographie der gattung Taraxacum. Oesterr. Bot. Zeitschr. 72: 254-275. 1923. no. 6/8.

Janchen, Erwin.
Die stellung der uredineen und ustilagineen im system der pilze. Oesterr. Bot. Zeitschr. 72: 164-179, 302-304. pl. xi. 1923. no. 6/8.
Bibliographical foot notes.

Lohwag, Heinrich.
Beobachtungen an Cordyceps sinensis (Berk.) Sacc. und verwandten pilzen. Oesterr. Bot. Zeitschr. 72: 294-302. illus. 1923. no. 6/8.

Neumayer, Hans.
Einige fragen der speziellen systematik erläutert an einer gruppe der gattung Silene. Oesterr. Bot. Zeitschr. 72: 276-287. 1923. no. 6/8.

Porsch, Otto, 1875-
Blütenstände als vogelblumen. Oesterr. Bot. Zeitschr. 72: 125-149. pl. iii. 1923. no. 6/8.
Bibliographical foot notes.

Vierhapper, Friedrich, 1876-
Ueber verwandschaft und herkunft der gattungen Homogyne und Adenostyles. Oesterr. Bot. Zeitschr. 72: 150-164. pl. iv. 1923. no.6/8.

Zederbauer, Emerich, 1877-
Versuche über saisondimorphismus und verwandte erscheinungen bei ackerunkräutern. Oesterrr. Bot. Zeitschr. 72: 223-235. 1923. no.6/8.

Phytopath.

Anderson, P. J.
The relation of soil moisture to formaldehyde injury of onion seedlings. Phytopath. 13: 392-403. S. 1923. no. 9.

Gardner, M. W. & Kendrick, J. B.
Field control of tomato mosaic. Phytopath. 13: 372-375. Ag. 1923 (S.) no. 8.

Gilman, J. C. & Melhus, I. E.
Further studies on potato treatment. Phytopath. 13: 341-358. Ag. 1923 (S.) no. 8.

Hansen, H. R.
Severity of attacks of black stem-rust in Denmark 1884-1921. Phytopath. 13: 404-407. S. 1923. no. 9:

Phytopath. (cont.)

Harvey, R. B.
Elias Judah Durand. Phytopath. 13: 408-409. port. S. 1923. no. 9.
Publications of Dr. Elias J. Durand: p. 408-409.

Hunt, N. R.
Notes on the occurrence and growth of cankers of Endothia parasitica. Phytopath. 13: 366-371. Ag. 1923 (S.) no. 8.

McMillan, H. G.
Cause of sunscald of beans. Phytopath. 13: 276-380. Ag. 1923 (S.) no. 8.
Literature cited: p. 380.

Paine, S. G. & Chaudhuri, H.
The blackleg disease of the potato. On the relationship of Bacillus atrosepticus and Bacillus solanisaprus. Phytopath. 13: 359-361. Ag. 1923 (S.) no. 8.
Literature cited: p. 361.
Experiments clearly establish the two organisms as distinct.

Rathbun, A. E.
Damping-off of taproots of conifers. Phytopath. 13: 385-391. S. 1923. no. 9.
Literature cited: p. 391.

Welles, C. B.
A new leaf spot disease of onion and garlic. Phytopath. 13: 362-365. illus., pl. xvii. Ag. 1923.(S.) no. 8.
Cercospora duddiae n.sp.

Wolf. F. A.
Studies on the physiology of some plant pathogenic bacteria VII. Pectic fermentation in culture media containing pectin. Phytopath. 13: 381-384. S. 1923. no. 9.
Literature cited: p. 384.
Previous publications in this series have been compiled in Techn. Bull. 20. No.Carol.Agr.Exp. Stat.

Progr. Agr. & Vitic.

Cadoret, Arthur.
La vie des champignons en milieux acides et basiques. Progr. Agr. et Vitic. 80: 205-207. Ag.30, 1923. no. 34.

Foëx, Etienne. & Chabrolin, C.
Les maladies de arbres fruitiers et leurs traitements. Progr. Agr. et Vitic. 80: 249-257. col-pl. S.9, 1923. no. 36.
Introduction. - A. Maladies des arbres fruitiers a noyaux.

Rev. Eaux et For.

Dufrénoy, Jean.
Le dépérissement des ormes. Rev. Eaux et For. 61: 361-363. Ag. 1923.

Rev. Gén. Bot.

Carpentier, A.
Revue des travaux de paléontologie végétale publiés dans le cours des années 1910-19 2me pte. Rev. Gén. Bot. 35: 315-320, 361-368. Je.-Jl. 1923. no. 414-5.

Choux, P.
Revue des travaux de botanique tropicale et subtropicale (1910-1919) (suite) Rev. Gén. Bot. 35: 304-314, 348-360. Je.-Jl. 1923. no. 414-5.
Bibliographical foot notes.

Douin, Ch.
Recherches sur le gametophyte des marchantiées II Les enseignements des anomalies chez les marchantiées. Rev. Gén. Bot. 35: 273-291. illus. Je. 1923. no. 414.

Jacob de Cordemoy, Hubert.
Contribution a l'étude de la morphologie, de l'anatomie comparée, de la phylogénie et de la biogéographie des casuarinacées (suite) Rev. Gén. Bot. 35: 292-303, 335-347. Je.-Jl. 1923. no. 414-5.

Perrier de la Bathie, Henri.
Les Agauria de Madagascar. Rev. Gén. Bot. 35: 321-334. pl. 6-7. Jl. 1923. no. 415.

Rev. Path. Veg. & Entom. Agr.

Arnaud, Gabriel & Arnaud, Mme.
Notes de pathologue végétale II. Rev. Path. Vég. et Entom. Agr. 10: 154-161. Ap./Je. 1923. no. 2.

Biers, Paul.
Le Schizophyllum commune Fries sur châtaignes du Japon. Rev. Path. Vég. et Entom. Agr. 10: 151-153. Ap./Je. 1923. no. 2.
Bibliographical foot notes.

Blaringhme, Louis.
Notes sur la biologie des rouilles et des charbons. Rev. Path. Vég. et Entom. Agr. 10: 172-182. Ap./Je. 1923. no. 2.

Blaringhem, Louis.
Sur la pseudocleistogamie, le polymorphisme floral et la prolifération centrale de l'ovaire chez le Cardamine pratensis L. Rev. Path. Vég. et Entom. Agr. 10: 141-150. pl. Ap./Je. 1923. no.2.

Cavadas, D.
Sur la biologie de Vermicularia varians Ducomet. Rev. Path. Vég. et Entom. Agr. 10: 138-140. Ap./Je. 1923. no. 2.

Chabrolin, Ch.
Sur la toxicité du cuivre. Rev. Path. Vég. et Entom. Agr. 10: 132-137. Ap./Je. 1923. no. 2.

Perret, Claude.
Flétrissement des pieds et filosité de la pomme de terre. Rev. Path. Vég. et Entom. Agr. 10: 168-171. Ap./Je. 1923. no. 2.

Vincens, François.
Observations sur le Sclerotium orizae faites en Cochinchine. Rev. Path. Vég. et Entom. Agr. 10: 112-131. illus. Ap./Je. 1923. no. 2.
Beauveria oryzae, Fusarium oryzae, Acremonium fuliginosum n. sp.

Soil Sci.

Kelley, A. P.
Soil acidity, an ecological factor. Soil Sci. 16: 41-54. Jl. 1923 (S.) no. 1.
References: p. 54.

Martin, William.
Influence of soil moisture and acidity on the development of potato scab. Soil Sci. 16: 69-73. Jl. 1923 (S.) no. 1.

Science.

Livingston, B. E.
Blackened spheres for atmometry. Science. 58: 182-183. S.7, 1923. no. 1497.

McFarland, F. T.
The occurrence of two fern rusts in Kentucky. Science. 58: 186. S.7, 1923. no. 1497.
Abstract of paper before Kentucky academy of science, May 12, 1923.
Uredinopsis pteridis on Pteridium aquilinum; Hyalopsora cheilanthis on Pellaea atropurpurea.

Newton, W.
The rest period of Solanum tuberosum in relation to available nitrogen. Science. 58: 207-208. S.14, 1923. no. 1498.

Valleau, W. D.
A method of demonstrating seed infection in supposedly disease-free corn. Science. 58: 186. S. 7, 1923. no. 1497.
Abstract of paper before Kentucky academy of science, May 12, 1923.

Scient. Amer.

Bade, E.
Poisonous plants of the garden. Scient. Amer. 129: 246. illus. O. 1923. no. 4.

Trans. Highl. & Agr. Soc. Scotl.

Hendrick, James.
An experiment on finger-and-toe by liming. Trans. Highl. & Agr. Soc. Scotl. V.35: 54-68. 1923.

Zeitschr. Indukt. Abstamm. u. Verebungsl.

Vries, Hugo de.
Ueber die mutabilität von Oenothera lamarckiana mut. simplex. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 31: 313-351. illus., col. pl. 1923. no. 4.
Literatur: p. 350-351.

U. S. Dept. Agr. Bull.

Boyce, J. S.
A study of decay in Douglas fir in the Pacific northwest. U. S. Dept. Agr. Bull. 1163. 19 p. viii pl. Jl.21, 1923 (Sep.)
Literature cited: p. 19.

Sarvis, J.T.
Effects of different systems and intensities of grazing upon the native vegetation at the northern Great Plains field station. U. S. Dept. Agr. Bull. 1170. 45 p. ix pl. Jl. 1923 (Rec'd Sep.)

Zeitschr. Ver. Deut. Zuck.-Ind.

Dorfmüller, G.
Ueber die bestimmung der peroxydasegehaltes in pflanzensäften. Zeitschr. Ver. Deut. Zuck.-Ind. 1923. p. 316-322. Jl./Ag. 1923. no. 807.

New Books.

Abrams, Le Roy.
An illustrated flora of the Pacific states. v. 1. Stanford University, Calif., 1923.

Gram, Ernst & Lind, Jens.
Kortfattede praktiske anvisninger til bekaempelse af haveplanternes sygdomme... 5. forøgede og revidersde udgave. København, 1923.

Hall, H. M. & Clements, F. E.
The phylogenetic method in taxonomy. The North American species of Artemisia, Chrysothamnus and Atriplex. Washington, 1923 (Carnegie Publ. no. 326)

Pittier, Henri.
Arboles y arbustes nuevos de Venezuela. 2. y 3. decades p. 21-43. Caracas, 1923 (His Contribuciones para la flora de Venezuela [no.3])

Schultz, G. T. A. O.
Farbstofftabellen 6. aufl. Berlin, 1923. v. 1. Organische und anorganische farbstoffe.

Society of American bacteriologist - Comm. on bacteriological technic
Manual of methods for pure culture study of bacteria Geneva [1923]

Yampolsky, Cecil & Helene.
Distribution of sex forms in the phanerogamic flora. Leipzig, Borntrager, 1922 (Bibliotheca genetica bd.3)

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

Shantz, H. L.
The natural vegetation of the Great Plains region. Ann. Assoc. Amer. Geogr. 13: 81-107. illus. (incl. map), pl. iii-viii. Je. 1923. no. 2.
Separate in Agr.

Library, Bureau of Plant Industry
Current Authors Entries, 1923, List 119.
Indexed Sept. 24 - Oct. 6, 1923.

Acta Phytochim.

Asahina, Yasuhiko.
Chemische untersuchungen der frucht von Evodia rutaecarpa. Acta Phytochim. 1: 67-89. Ja. 1923. no. 2.

Asahina, Yasuhiko, & Fujita, Atsushi.
Zur kenntnis des anemonins. Acta Phytochim. 1: 1-42. Mr. 1922. no. 1.

Majima, Rikô.
On the colouring matter of Lithospermum erythrorhizon. Acta Phytochim. 1: 43-65. Mr. 1922. no. 1.
Shikonin.

Shibata, Yuji. & Kimotsuki, K.
Ueber die absorptionsspektren der pflanzenfarbstoffe der flavonreihe I. Acta Phytochim. 1: 92-104. II pl. Ja. 1923. no. 2.

Shibata, Keita, Iwata, S., & Nakamura, M.
Untersuchunger über das baicalin, eine neue flavon-glucuronsäure-verbindung aus den wurzeln von Scutellaria baicalensis. Acta. Phytochim. 1: 105-139. pl. iii. Ja. 1923, no. 2.

Agr. Mexicano y Hogar.

Aguirre, Jesús T.
La anthracnosis del frijol. Agr. Mexicano y Hogar. 39: 299-301. O. 1923. no. 10.

Agric. y Zootecn.

Montaño, Isidro.
La circugia vegetal. Agric. y Zootecn. 2: 415-422. illus. S. 1923. no. 12.

Agric. Colon.

Marquès, A.
Culture des hydnocarpées, en Hawaii pour le traitement de la lèpre. Agron. Colon. 9: 33-36. Ag. 1923. no. 68.

Sornay, P. de.
Les cucurbitacées tropicales. La calebasse (Lagenaria vulgaris Ser.) Agron. Colon. 9: 37-45. plates. Ag. 1923. no. 68.

Amer. Bee Journ.

Lovell, J. H.
The relation of the honeybee to the odors of flowers. Amer. Bee Journ. 63: 501-502. illus. O. 1923. no. 10.

Amer. Fern Journ.

Graves, E. W.
Is Botrychium dissectum a mutant? Amer. Fern Journ. 13: 87-89. Jl.-S. 1923. no. 3.

Kendall, M. L.
A study of variation in Polypodium californicum Kaulf. Amer. Fern Journ. 13: 75-87. pl. 3. Jl.-S. 1923. no. 3.
Literature cited: p. 86-87.

Maxon, W. R.
Notes on American ferns. XIX. Amer. Fern Journ. 13: 73-75. Jl.-S. 1923. no. 3.

Amer. Fern Journ. (Cont.)

Palmer, T. C.
A monograph of the Isoetaceae. Amer. Fern Journ. 13: 89-92. Jl.-S. 1923. no. 3.

Schaffner, J. H.
How to distinguish the North American species of Equisetum. Amer. Fern Journ. 13: 67-72. Jl.-S. 1923. no. 3.

Amer. Journ. Pharm.

Beringer, G. M.
Dr. Adolph W. Miller. Amer. Journ. Pharm. 95: 686-691. port. S. 1923. no. 9.

Youngken, H. W.
Studies on the greater yam (Dioscorea alata L.) Amer. Journ. Pharm. 95: 678-684. illus. S. 1923. no. 9.
Bibliography: p. 684.

Biometrika.

Pearson, E. S.
Natural selection and the age and area theory of Dr. J. C. Willis. Biometrika. 15: 83-108. Ag. 1923. no. 1/2.

Bol. Com. e Industr. Venezuela.

Pittier, Henri.
Exploraciones, botanicos y otras, en la cuenca de Maracaibo. Bol. Com. y Industr. Venezuela. 4: 209-304. plates. Jl./Ag. 1923. no. 39/40.

Bol. R. Soc. Españ. Hist. Nat.

Fernández Riofrio, Benito.
Datos para la flora micológica de Cataluña y Baleares (Lám. II) Bol. Soc. Españ. Hist. Nat. 23: 192-195. My. 1923. no. 4.
Sphaceloteca barcinonensis sp. nov. ad interim.

Pau, C.
Cinara baetica, combinación nueva. Bol. Soc. Españ. Hist. Nat. 23: 244-245. My. 1923. no. 5.

Bot. Gaz.

Davidson, Jehiel.
Is gaseous nitrogen a product of seedling metabolism. Bot. Gaz. 76: 95-101. S. 1923. no. 1.
Literature cited: p. 101.
Experiments with seedlings of cow pea & wheat.

Ives, S. A.
Maturation and germination of seed of Ilex opaca. Bot. Gaz. 76: 60-77. illus. S. 1923. no. 1.
Literature cited: p. 77.

Kurz, Herman.
Hydrogen ion concentration in relation to ecological factors. Bot. Gaz. 76: 1-29. S. 1923. no. 1.
Literature cited: p. 28-29.

Reed, E. L.
Extra-flora nectar glands of Ricinus communis. Bot. Gaz. 76: 102-106. illus. S. 1923. no. 1.

Sherff, E. E.
New or otherwise noteworthy Compositae. Bot. Gaz. 76: 78-94. pl. vi-ix. S. 1923. no. 1.

Bot. Gaz. (cont.)

Whitaker, E. S.
Root hairs and secondary thickening in the Compositae. Bot. Gaz. 76: 30-59. illus., pl. i-v. S. 1923. no. 1.
Literature cited: p. 57-58.

Bull. Bur. Bio-Techn. Murphy & Son.

M., F. A.
The occurrence and effects of wood-destroying fungi in coal mines. Bull. Bur. Bio-Techn. Murphy & Sons. 2: 41-56. illus., pl. Jl. 1923.

Parker, Theodore.
The suppression of insect and fungoid pests 4. Control of certain fungoid diseases. Bull. Bur. Bio-Techn. Murphy & Sons. 2: 68-72. Jl. 1923.

Bull. Econ. Madagascar.

Goffart, J.
Au sujet des Acacias à tannin. Bull. Econ. Madagascar. 20: 139-204. 1923. no. 1.

Louvel,
Notes sur les bois de Madagascar. Bull. Econ. Madagascar. 20: 177-184. plates. 1923. no.1.

Bull. Min. Agr. Egypt. Techn. & Sco. Serv.

Williams, C. B.
The cotton plant in relation to temperature and rainfall. Bull. Min. Agr. Egypt Techn. & Sci. Serv. no. 32. 5 p. 1923.

Bull. Misc. Inform. Kew.

Boodle, L. A.
The bacterial nodules of the Rubiaceae. Bull. Misc. Inform. Kew. 1923, no. 9. p. 346-348.

Hughes, D. K.
The genus Panicum of the Flora australiensis. Bull. Misc. Inform. Kew. 1923, no. 9. p. 305-332.

Riley, L.A.M.
Contributions to the flora of Sinaloa. III. Bull. Misc. Inform. Kew. 1923, no. 9. p. 333-346.
Crotalaria polyphylla, Lupinus delicatulus, Hosackia madrenses, Tephrosia hypoleuca, T. pachypoda n.sp.

Sprague, T.A.
Notes on Heliocarpus. Bull. Misc. Inform. Kew. 1923, no.9. p.343-351.
Bibliographical foot-notes.
H. costaricensis, H. chontalensis n.sp.

Bull. Soc. Linn. Normandie.

Bugnon, Pierre.
L'organisation libéroligneuse des cotylédons et de l'hypocotyle expliquée par la théorie du raccord chez la mercuriale (Mercurialis annua L.) Bull Soc. Linn. Normandie VII, 5: 69-106. pl. iii. 1923.
Index bibliographique: p. 104-106.

Gerbault, E.L.
Hérédités chez la cymbalaire (2.et dernière contribution) Bull. Soc. Linn. Normandie VII, 5: 3-9. illus. 1923.

Viguier, René & Humbert, Henri.
Plantes recoltées à Madagascar en 1912 (suite) Bull. Soc. Linn. Normandie VII, 5: 125-140. 1923.

Centralbl. Bakt. Abt. II.

Höhnel, Franz b.
Studien über hyphomyzeten. Centralbl. Bakt. Abt. 2, 60: 1-26. Ag. 1923.
Memnoniella n.g. M.aterrima n.sp.; Xenosproella n.g., X. pleurococca n.sp.

Schander, Richard & Richter.
Untersuchungen über das verhältnis der keimfähigkeit der kartoffelknollen zum gesundheitszustand und ertrag. Centralbl. Bakt. Abt. 2. 60: 27-50. Ag. 1923. no.1/6.
Literaturverzeichnis: p. 49-50.

Zillig, Hermann.
Unsere heutigen kenntnisse vom zwiebelbrand (Tuburcinia [Urocystis] cepulae [Frost] Liro) und seiner bekämpfung. Centralbl. Bakt. Abt. 2. 60: 50-58. illus. Ag. 1923. no. 1/6.
Literaturverzeichnis: p. 57-58.

Faserforsch.

Kremer, Elisabeth.
Beiträge zur kenntnis des winterleins. Faser-Forsch. 3: 181-217. illus. pl. v-vi. Ag. 1923. no. 3.
Literaturverzeichnis: p. 216-217.

Schilling, Ernst.
Tucumfaser. Faserforsch. 3: 240-246. pl. vii. Ag. 1923. no. 3.

Tobler, Friedrich.
Caroá-faser. Faserforsch. 3: 228-233. illus. Ag. 1923. no. 3.

Florida Grow.

Rimes, R.D.
Rimes' blight-proof pineapple pear. Florida Grow. v.28, no. 12, p. 16,45. illus. S.22, 1923.

Flow. Grow.

Soares, A. J.
The Mariposa tulip, Calochortus. Flow. Grow. 10: 353-354. illus. O. 1923. no. 10.

Walker, R.S.
Climbing false buckwheat. Flow. Grow. 10: 337, 372. illus. O. 1923. no. 10.

Garden.

Canning-Wright, H.W.
Insectivorous plants II. Drosera and Dionaea. Garden. 87: 483, 495. illus. S.15,22, 1923. no. 2704-05.

Dykes, W.R.
The bearded irises. Garden. 87: 475-476. illus. S. 15, 1923. no. 2704.

Irving, Walter.
Phloxes - dwarf and tall. Garden. 87: 476-478. illus. S. 15, 1923. no. 2704.

Gard.Bull. Straits Settlem.

Burkill, I. H. & Holttum, R. E.
A botanical reconnaissance upon the main range of the peninsula at Fraser Hill. Gard. Bull. Straits Settlements. n.s.3: 19-110. Ag. 1923. no.1/3.

Burkill, I.H.
Haplochorema sumatranum. Gard. Bull, Straits Settlements n.s. 3: 18-19. Ag. 1923. no. 1/3.

Burkill, I.H.
Orchid notes. Gard. Bull. Straits Settlements. n.s. 3: 12-18. illus. Ag. 1923. no.1/3.

Burkill, I.H.
A spiny yam from Sumatra. Gard. Bull, Straits Settlem. 3: 3-4. pl. Ag. 1923. no.1/3.
An undescribed Dioscorea which converts the roots arising on its tubers into spines.

Burkill, I.H.
Tahitian yams. Gard. Bull. Straits Settlements. n.s. 3: 4-5. pl. Ag. 1923. no.1/3.

Burkill, I.H.
Yams at the Malaya-Borneo exhibition. Gard. Bull. Straits Settlements. n.s. 3: 5-8. illus. Ag. 1923. no.1/3.

Holttum, R. E.
Abnormal inflorescences of Elaeocarpus petiolatus. Gard. Bull. Straits Settlements. n.s. 3: 11-12. Ag. 1923. no.1/3.

Gard. Mag.

Hubbell, L.E.
The influence of the garden on woven design. Gard. Mag. 38: 87-90. Illus. O. 1923. no.2.

Chamberlain, Montague.
What Massachusetts is doing for the Gladiolus. Gard. Mag. 38: 95-98. Illus. O. 1923. no.2.

Wilson, E. H.
Travel tales of a plant collector, X. Japan, the land of cherry bloom. Gard. Mag. 38: 101-105. illus. O. 1923. no.2.

Gard. Chron.

Brotherston, R.P.
Loudon's second tour to Scotland. Gard. Chron. III,74: 172. S.22, 1923. no.1917.

Schneider, Camillo.
A garden of evergreen shrubs at Maloyna, Czechoslovakia. Gard.Chron. III, 74: 172-173. S.22, 1923. no. 1917.

Gard. Illus.

Greaves, Haslehurst.
Garden Hedges. Gard. Illus. 45: 594-596. illus. S.22, 1923. no.2324.

Hoosier Hort.

Troop, James.
Our native pawpaw. Hoosier Hort. 5: 147-150. O. 1923. no.10.

Journ. Agr. Prat.

Mottet, Séraphim.
Les graminées pour prairies en terre moyenne. Journ. Agr. Prat. n.s. 40: 214-215. col.pl.iii. S.15, 1923.

Jour. Agr. Res.

Edson, H.A
Acid production by Rhizopus tritici in decaying sweet potatoes. Journ. Agr. Res. 25: 9-12. Jl. 7, 1923. (Sep.28) no.1.

Martin, R.D., Ballard, W.W. & Simpson, D.M.
Growth of fruiting parts in cotton plants. Journ. Agr. Res. 25: 195-208. pl.1-2/ Jl.28, 1923 (O.5. 1923) no.4.

Tottingham, W.E.
Temperature effects in plant metabolism. Journ. Agr. Res. 25: 13-30. 4 pl. Jl.7, 1923 (Sep.28) no.1.
Literature cited: p. 28-30.

Journ. Dept. Agr. Victoria.

Davey, H.W.
Weeds and their eradication (cont.) Common furze (Ulex europaeus) Journ. Dept. Agr. Victoria. 21: 510-512. illus. Ag. 1923. no.8.

Hammond. A. A.
Brown rot of stone fruit. Spraying experiments. Journ. Dept. Agr. Victoria. 21: 489-493. illus. Ag. 1923. no.8.

Richardson, A.E.V.
Water requirements of farm crops (concl.) Journ. Dept. Agr. Victoria 21: 449-481. illus. Ag. 1923. no.8.
Bibliography: p. 477-481.

Journ. Jamaica Agr. Soc.

Hansford, C.G.
Mosaic disease of canes Journ. Jamaica Agr. Soc. 27: 865-869. Ag. 1923. no. 8.

Journ. Genetics.

Barlow, N.
Inheritance of the three forms in trimorphic species. Journ. Genetics. 13: 133-146. Ag. 1923. no. 2.
References: p. 146.

Crane, M.B. & Gairdner, A.E.
Species-crosses in Cochlearia, with a preliminary account of their cytology. Journ. Genetics. 13: 187-200. pl.vi-ix. Ag. 1923. no.2.
Literature: p. 200.

Gregory, R.P., de Winton, D., and Bateson, W.
Genetics of Primula sinensis. Journ. Genetics. 13: 219-253. pl.x-xvii. (part col.) Ag. 1923. no.2.

Lang, W.H.
On the genetic analysis of a heterozygotic plant of Scolopendrium vulgare. Journ. Genetics. 13: 167-175. pl. iv-v. Ag. 1923. no.2.

Salaman, R.N. & Lesley, J.W.
Genetic studies in potatoes; the inheritance of immunity to wart disease. Journ. Genetics. 13: 177-186. Ag. 1923. no.2.
Literature: p. 186.

Journ. Genetics (cont.)

Richardson, C. W.
Notes on Fragaria. Journ. Genetics. 13: 147-152. Ag. 1923. no.2.

Staples-Brown, Richard.
On the crossing of some species of Columbidae and the inheritance of certain characters in their hybrid offspring. Journ. Genetics. 13: 153-166. Ag. 1923. no.2.

Winge, Öjvind.
Crossing-over between the X- and Y- chromsome in Lebistes. Journ. Genetics. 13: 201-207. Ag. 1923. no.2.

Journ. N.Y. Bot. Gard.

Howe, M.A.
Dahlias and their culture. Journ. New York Bot. Gard. 24: 169-187. illus. S. 1923. no.285.

Journ. Pharm. & Chim.

Gillot, P.
Sur la présence du maltose dans les organes de réserve de "Mercurialis perennis L" Journ. Pharm. & Chim. ser.7. 28: 148-154. S.1, 1923. no.5.

Journ. Pomol. & Hort. Sci.

Ballard, E. & Beren, G.S.
Red plant in strawberries and its correlation with "cauliflower disease" Journ. Pomol. & Hort. Sci. 3: 142-147. 3 pl. S. 1923. no.3.
Due to Aphelenchus fragariae.

Brooks, F.T. & Storey, H. H.
Silver-leaf disease IV. Journ. Pomol. & Hort. Sci. 3: 117-141. S. 1923. no.3.
References: p. 140-141.

Journ. Sci. Labor. Denison Univ.

Moore, D.M.
A botanical survey of the campus of Denison University. Journ. Sci. Labor. Denison Univ. 20(Univ. Bull. 23, no.4): 131-153. illus., pl. xvii-xix. Je. 1923.

Journ. Soc. Nat. Hort. France.

Correvon, Henri.
Nouvelles observations sur le mimetisme et la fecondation chez les Ophrys speculum et lutea. Journ. Soc. Nat. Hort. France. ser.4, 24: 372-377. Ag. 1923.

Gérôme, Joseph.
Au sujet du Cleome grandis Hort. Journ. Soc. Nat. Hort. France. ser.4, 24: 377-379. Ag. 1923.

Gérôme, Joseph.
Notes sur divers types anciens de laitue. Journ. Soc. Nat. Hort. France. ser.4, 24: 379-384. Ag. 1923.
Bibliographical foot-notes.

Journ. S.E. Agr. Coll. Wye.

Hopes. The pollination and fertilisation of hops and the characteristics of "seeded" and "seedless" hops. Journ. S.E. Agr. Coll. Wye. no.23. p. 34-41. 1923.

Salmon, E.S.
Economic mycology. Journ. S.E. Agr. Coll. Wye. no.23. p. 13-33. 1923.

Journ. Wash. Acad. Sci.

Killip. E.P.
New species of Urticaceae from Colombia. Journ. Wash. Acad. Sci. 13: 354-360. S.19, 1923. no.15.

Standley, P.C.
Ten new species of trees from Salvador. Journ. Wash. Acad. Sci. 13: 350-354. S.19, 1923. no.15.

Landw. Jahrb.

König, J. & Hasenbäumer, J.
Die ermittelung des nährstoffbedarfs der pflanzen und des aufnehmbaren (ausnutzungsfähigen) nährstoff-vorrats im boden. Landw. Jahrb. 59: 97-126. Jl. 1923. no.1.

Madroño.

Jepson, W.L.
A conifer new to California. Madroño. 1; 116. Jl. 1923. no.7.
Form of Picea engelmannii.

Jepson, W.L.
A new species of Eriogonum from California. Madroño. 1: 115-116. Jl. 1923. no.7.
Eriogonum bidentatum.

Jepson, W.L.
A revision of Californian Umbelliferae. Madroño. 1: 101-114, 117-130. illus. Mr.-Jl. 1923. no. 6-7.

Parish, S. B.
Additions to the introduced flora of California. Madroño. 1: 115. Jl. 1923. no.7.

Matierès Grass.

Michotte, Félicien.
Les palmiers producteurs d'huiles. Matières Grass. 15: 6529-6530. S.15, 1923. no. 185.

Mem. Dept. Agr. India. Chem. Ser.

Meggitt, A.A.
Studies of an acid soil in Assam.II. Mem. Dept. Agr. India. Chem.Ser. 7: 31-53. pl.i. Je. 1923. no. 2.

Mem. y Rev. Soc. Sci. Antonio Alzate.

Gandara, Guillermo.
El carbon, carbunco, carbuncule o carbuncosis de low cereales. Mem. y Rev. Soc. Sci. Antonio Alzate. 42: 1-23. illus. Mr. 1923. no.1/2.

Nature.

Beijerinck, M.W.
Urease as a product of Bacterium radicicola. Nature. 112: 439. S.22, 1923. no.2812.

Bonacina, L.C.W.
Polar climate and vegetation. Nature. 112: 436-437. S.22, 1923. no.2812.

Nuttall, G.H.F.
Symbiosis and animals and plants. Nature. 112: 423. S.15, 1923. no.2811.
Summary of his address to Sect. I. Brit. Assoc.

Tansley, A.G.
Aspects of the study of botany. Nature. 112: 423-424. S.15, 1923. no.2811.
Summary of his address to Sect. K., Botany, British Assoc.

Nuova Notar.
Mazza, Angelo.
Aggiunte al saggio di algologia Ocenaica.
Nuova Not. 34: 87-106. Jl./O. 1923 (Rec'd Sep.)

Oesterr. Bot. Zeitschr.
Lingelsceim, Alexander v.
Bemerkungen über rumänische und bulgarische

eschen. Oesterr. Bot. Zeitschr. 72: 349-353.
illus. S./O. 1923. no. 9/10.
Bibliographical foot-notes.

Ohio Journ. Sci.
Wurdack, M.E.
Chemical composition of the walls of certain algae. Ohio Journ. Sci. 24: 181-191. Jl./Ag.1923.
no. 4.
Bibliography: p. 191.

Pharm. Journ.
Quanjer, H.M.
"Virus diseases" of plants. Pharm. Journ.
ser.4, 57: 326. S.22. 1923. no.3127.
Abstract of paper before Bot.Sect. British
Assoc.

Philipp. Agr.
Herbert, D.A.
Note on poisoning of fowls by Passiflora foetida.
Philipp. Agr. 12: 96. Jl. 1923. no. 2.
Bibliography: p. 96.

Sarmiento, V. M.
Insect carriers of Diplodia in storage-rots.
Philipp. Agr. 12: 77-90. Jl. 1923. no. 2.
Bibliography: p. 89-90.

Philipp. Journ. Sci.
Merrill, E.D.
Diagnoses of Hainan plants.II. Philipp.
Journ. Sci. 23: 237-268. S. 1923.
Tsoonigia gen.nov. T.axillarifolia.

Prakt. Blätt. Pflanzenb. u. Pflanzensch.
Hiltner, E.
Die weisstüpfelung der luzerne, eine kalimangelerscheinung. Prakt. Blätt. Pflanzenb. u. Pflanzensch.
n.s.1: 46-49. illus. Jl. 1923. no.4.

Lang, Fr.
Präsident Prof. Dr.Lorenz Hiltner. Prakt.
Blätt. Pflanzenb. u. Pflanzensch. n.s.1:32-35. Je. 1923.

Proc. Belfast Nat. Hist. & Phil.Soc.
Small, James.
More about the erectness of plants. Proc. Belfast
Nat. Hist. & Phil. Soc. 1921/22. p.49-69. 1923.

Proc. R.Soc. Victoria.
Shirley, John. & Lambert, C.A.
On Coprosma baueri, Endlicher. Proc. Roy. Soc.
Victoria. n.s.,35: 19-23. pl.iv. D. 1922. no.1.
Bibliography: p. 22-23.

Proc.R.Soc. Victoria. (cont.)

Tovey, J.R. & Morris, P.F.
Contributions form the National herbarium of Victoria no.2. Proc. Roy. Soc. Victoria n.s., 35: 86-89. pl. vi. D.1922. no.1.

Williamson, H. B
Description of a new Victorian Helichrysum. Proc. Roy. Soc. Victoria n.s., 35: 24-25. pl.v. D. 1922. no.1.
H. gatesii.

Progr. Agr. & Vitic.

Foëx, Etienne.
Les maladies des arbres fruitiers et leurs traitements. Progr. Agr. et Vitic. 80: 274-278, 303-307. col.pl. S.16, 23, 1923. no. 37-38.
Maladies du pêcher; maladies des arbres fruitiers à pépins.

Queensl. Agr. Journ.

Brooks, G.B.
The sweet potato (Ipomoea batatas) Queensl. Agr. Journ. 20: 124-148. illus. col.pl. 6-16. Ag. 1923. no.2.
Classification key for sweet potato varieties: p. 131-143.

White, C.T. & Francis, W.D.
Queensland trees no.23. The Corduroy tamarind. Queensl. Agr. Journ. 20: 90-92. illus. Ag. 1923. no.2.

White, C.T.
A thin-shelled variety of the Queensland nut (Macadamia ternidfolia) Queensl. Agr. Journ. 20: 93-95. illus. Ag. 1923. no.2.

Repert. Spec. Nov. Fedde.

Dinter, Kurt.
Beiträge zur flora von Südwestafrika I- Repert. Spec. Nov. Fedde. 19: 122-160, 177-186. Je.-Jl. 1923. no. 8/10, 11/13.

Dinter, Kurt.
Index der aus Deutsch-Südwestafrika bis Zum jahre 1917 bekannt gewordenen pflanzenarten XIV. Repert. Spec. Nov. Fedde. 19: 187-192. Jl.30, 1923. no.11/13.

Fedde, Friedrich.
Neue arten von Corydalis aus dem Himalaya und den angrenzenden teilen von Tibet II. Repert. Spec. Nov. Fedde. 19: 119-120. Je.30, 1923. no.8/10.
C.stewartii; C.crispa Prain var. waltoni.

Harms, Hermann.
Beiträge zur kenntnis amerikanischer cucurbitaceen. I. Repert. Spec. Nov. Fedde.. Repert. Spec. Nov. Fedde. 19: 171-173. Jl.30, 1923. no.11/13.

Harter, Wilhelm.
Die Urostachys-arten der Antillen. Repert. Spec. Nov. Fedde. 19: 161-170. Jl.30, 1923. no.11/13.

Markgraf, Fr.
Eine neue brasilianische Thymelaeaceae (Daphnopsis ericiflora) Repert. Spec. Nov. Fedde. 19: 113. Je.30, 1923. no.8/10.

Mattfeld, Joh.
Eine neus mexikanische Jatropha (J.harmsiana) aus de sektion Mozinna. Repert Spec. Nov. Fedde. 19: 120-121. Je.30, 1923. no.8/10.

Repert. Spec. Nov. Fedde. (cont.)

Pax, Ferdinand.
Euphorbiaceae americanae novae I. Repert. Spec. Nov. Fedde. 19: 174-177. Jl.30, 1923. no.11/13.

Pilger, Robert.
Beiträge zur kenntnis der gattung Plantago III. Repert. Spec. Nov. Fedde. 19:114-119. Je.30, 1923. no.8/10.
Ueber Plantago pachyphylla Gray von den Hawaii-Inseln.

Warburg, Otto.
Drei neue arten der gattung Sterculia. Repert. Spec. Nov. Fedde. 19: 121-122. Je.30, 1923. no.8/10.
S.sangirensis, S.forbesii, S.dactylocarpus.

Repert. Europ. & Med.

Bornmüller, Josef.
Fritillaria macedonica Bornm.(spec.nov.) Repert. Europ. et Medit. 1: 600-602. Jl.30, 1923. no.38.

Bornmüller, Josef.
Micromeria kuegleri Bornm.(sp.n.) eine neue art von Teneriffa. Repert. Europ. et Medit. 1: 597-599. Jl.30, 1923. no. 38.

Bornmüller, Josef.
Ueber eine neue Aristolochia aus Mazedonien. Repert. Europ. et Medit. 1: 595-597. Jl.30, 1923. no.38.
A.melanoglossa.

Bornmüller, Josef.
Ueber eine neue tulpe der flora Mazedoniens. Repert. Europ. et Medit. 1: 599-600. Jl.30, 1923. no.38.
Tulipa scardica.

Mattfeld, Joh.
Eine nueu Minuartia (M. handelii) aus der Herzegowina. Repert. Europ. et Medit. 1: 593-595. Jl. 30, 1923. no. 38.

Rev. Bot. Appl.

Dufrénoy, Jean.
Pulvérisations et poudrages des tomates contre les attaques du Phytophtora infestans. Rev. Bot. Appl. 3: 556-557. Ag. 1923. no.24.

Gard, Médéric.
L'avenir des Juglans nigra et J. cinerea comme prte-greffes en France. Rev.Bot.Appl. 3: 538-541. Ag. 1923. no.24.

Rev. Hort.

Foëx, Etienne.
Une maladie du peuplier. Rev. Hort. 95: 476-477. S.16, 1923. no.21.

Mottet, Seraphim.
Les Stuartia. Rev.Hort. 95: 465-466. illus. S.16, 1923. no.21.
Bibliographical foot-notes.

Pirovano, Albert.
Sur la discipline de l'hérédité chez les végétaux l'électrogénétique. Rev. Hort. 95: 459-463. illus. S.16, 1923. no. 21.

Rev. Hort. Algérie.

Une nouvelle maladie de la pomme de terre. Rev. Hort. Algérie. 27: 136. Ag.-S. 1923. no.7.

Répertoire des plantes médicinales de l'Afrique du Nord. Rev. Hort. Algérie. 27: 146-155. Ag.-S. 1923. no.7.

Rev. Hort. Tunisie.

Sagnard, C.
Les mimosas sur la Côte d'Azur. Rev. Hort. Tunisie. 21: 150-152. S.15, 1923. no.182.

Rhodora.

Brackett, A.
Revision of the American species of Hypoxis. II. Some genera closely related to Hypoxis. Rhodora. 25. 151-163. illus. S. 1923. no.297.

Fernald, M.L.
Lycopodium sabinaefolium and L.sitchense. Rhodora. 25: 166-167. S. 1923. no.297.
L.sabinaefolium var.sitchense.

A new station for three local Appalachian plants. Rhodora. 25: 168. S. 1923. no.297.

Robinson, B.L.
Emily Frances Fletcher. Rhodora. 25: 149-150. S. 1923. no. 297.

Weir, J.R.
Note on Poria fatiscens. Rhodora. 25: 163-165. S. 1923. no.297.

Science.

Hansen, A.A.
A new wild life preserve. Science. n.s.,58: 242-243. S.28, 1923. no.1500.
The Herbert Davis forestry farm.

Lloyd, F.E.
Ultramicroscopically observable fluorescence. Science. 58: 229-230. S.21, 1923. no.1499.

Scient. Agr.

Stone, R.E.
The most important poisonous mushrooms. Scient. Agr. 4: 55-57. illus. O. 1923. no.2.

Singapore Nat.

Feddersen, Poul.
Notes on the orchids of Johore. Singapore Nat. 2: 80-85. Ap. 1923.

Soil Sci.

Abbott, E.V.
The occurrence and action of fungi in soils. Soil Sci. 16: 207-216. S. 1923. no.3.
References: p. 216.

Lomanitz, S.
A preliminary study of the effects of sodium chloride upon alfalfa grown in solution cultures. Soil Sci. 16: 183-191. pl.i. S. 1923. no.3.
References: p. 190-191.

So. Afr. Fruit Grow.
Fruit tree diseases and their treatment. So.Afr. Fruit Grow. 10: 259, 261. illus. Ag. 1923. no.8.
Silver leaf disease.

Tijdschr. Plantenz.
Bestrijding van den amerikaanschen kruisbessen-meeldauw. Tijdschr. Plantenz. 29: 133-135. S. 1923. no. 9
Vlugschr. no.39 Plantenziektenkundigen dienst.

Botjes, Jan Oortwijn.
Het vroege rooien van voor pottgoed bestemde aardappelen. Tijdschr. Plantenz. 29: 132-133. S. 1923. no. 9.

Heidema, J.
Beschadiging van vlas door hitte en nachtvorst. Tijdschr. Plantenz. 29: 129-132. S. 1923. no.9.

Torreya.
Benedict, R.C.
Some botanic garden material useful in high school work. Torreya. 23: 86-88. S./O. 1923. no.5.

Hansen, A.A.
A woodland plant that is becoming a grainfield weed. Torreya. 23: 85-86. S./O. 1923. no.5.
Phacelia purshii.

Pretz, H. W.
Additional notes on Sonchus uliginosus. Torreya. 23: 79-85. S./O. 1923. no.5.
Bibliographical foot-notes.

W.W. Rowlee Torreya 23: 94. S./O. 1923. no.5.
Notice of death.
C.F. Millspaugh Torreya. 23: 94. S./O. 1923. no.5.
Notice of death.

Trab. Labor. Hist. Nat. Inst. Gen. y Técn. Valencia.
Fernández Riofrio, Benito.
Observaciones sobre un gusano parásito de muchas plantas cultivadas. Trab. Labor. Hist. Nat. Inst. Gen.y Técn. Valencia. 12. 11 p. 1922.
Heterodera radicicola.

Trans. Brit. Mycol.Soc.
Alcock, M.(N) L.
A die-back in Sussex. Trans. Brit. Mycol. Soc. 8: 190. Mr. 1923. no.3.
Diplodia griffoni.

Bisby, G.R.
The literature on the classification of the Hysteriales. Trans. Brit. Mycol. Soc. 8: 176-189. Mr. 1923. no.3.
Literature: p. 187-189.
Brooks, F.T. & Hansford, C.G.
Mould growths upon cold-store meat. Trans. Brit. Mycol. Soc. 8: 113-142. illus. Mr. 1923. no. 3.
Wardomyces n.g., W. anomala.
References: p. 141-142.

Elliott, J.S.B. & Stansfield, O.P.
Records of fungi imperfecti. Trans. Brit. Mycol. Soc. 8: 249-254. illus. My. 1923. no.4.

Trans. Brit. Mycol. Soc. (cont.)

Gilchrist, G. G.
Bark canker disease of apple trees caused by Myxosporium corticolum Edgert. Trans. Brit. Mycol. Soc. 8: 230-243. pl. ix-xi. My 1923. no. 4.
References: p. 243.

Hawley, Sir. H.C.W., 1876-
Notes on some British Pyrenomycetes. Trans. Brit. Mycol. Soc. 8: 226-230. My. 1923. no. 4.

Mclean, R. C.
A new species of Sigmoidemyces Thaxter. Trans. Brit. Mycol. Soc. 8: 244-246. pl. xii. My. 1923. no.4.
S. divaricatus.
References: p. 246.

Mehta, K.C.
Observations and experiments on cereal rusts in the neighborhood of Cambridge, with special references to their annual recurrence. Trans. Brit. Mycol. Soc. 8: 142-176. Mr. 1923. no. 3.
Bibliographical foot-notes.

Mounce, Irene.
The production of fruit-bodies of Coprinus comatus in laboratory cultures. Trans. Brit. Mycol. Soc. 8: 221-226. My. 1923. no. 4.
Bibliographical foot-notes.

Petch, Thomas.
The genus Cladosterigma Pat. Trans. Brit. Mycol. Soc. 8: 212-215. My. 1923. no.4.
Trichosterigma gen. nov., T. clavisporum, T.arachnophilum, T.attenuatum.

Petch, Thomas.
Parasites of scale-insect fungi. Trans. Brit. Mycol. Soc. 8: 206-212. illus. My. 1923. no. 4.

Potter, M. C.
Wart disease of the potato. Preliminary experiments. Trans. Brit. Mycol. Soc. 8: 247-249. My. 1923. no.4.
References: p. 249.

Smith, A. L.
Recent works on lichens. Trans. Brit. Mycol. Soc. 8: 193-206. My. 1923. no.4.
Bibliography: p. 205-206.

Wakefield, E.M. & Pearson, A.A.
Some additional records of Surrey resupinate hymenomycetes. Trans. Brit. Mycol. Soc. 8: 216-221. illus. My. 1923. no.4.

Trav. Sect. Mycol. et Phytopath. Soc. Bot. Russie.

Kursanov, L.
Sur la morphologie des urédinées. Trav. Sect. Mycol. et Phytopath. Soc. Bot. Russie. 1: 5-21. pl.1-2. 1923.
Literature: 17-18.
In Russian, French resumé: p. 19-21.

Flerov, B.K.
Sur la cytologie de Ustilago avenae Pers., d'après des cultures in vitro. Trav. Sect. Mycol. et Phytopath. Soc. Bot. Russie. 1: 23-36. pl. 3. 1923.
Literature: p. 34-35.
In Russian, French resumé: p. 35.

Trav.Sect.Mycol. et Phytopath.Soc.Bot. Russie. (cont.)

Buchheim, Alexander.
Sur la biologie d'Uromyces primulae Fuck. Trav. Sect. Mycol. et Phytopath.Soc.Bot. Russie. 1: 37-38. 1923.
Literature: p. 38.
In Russian, French resumé: p. 38.

Gousseva, C.
Sur le développement de Fabraea ranunculi Karst. Trav.Sect.Mycol. et Phytopath. Soc. Bot.Russie. 1: 39-45. pl.4. 1923.
Literature: p. 44.
In Russian, French resumé: p.44.

Taliev, V.I. & Grigorovich, A.I.
De l'influence du charbon (ustilaginées) sur la plante nourricière. Trav.Sect. Mycol. et Phytopath. Soc. Bot. Russie. 1: 47-53. 1923.
In Russian, French resumé: p. 53.

Elenev, P.F.
De la détaillisation désirable des listes mycologiques locales. Trav. Sect. Mycol.et Phytopath. Soc. Bot. Russie. 1: 55-79. 1923.
In Russian, French resumé: p. 78-79.

Elenev, P.F.
Essai de différentiation du degré de décomposition des détrituts végétaux en relation avec leur mycoflore. Trav. Sect. Mycol. et Phytopath. Soc. Bot. Russie. 1: 81-100. 1923.
In Russian, French resumé: p. 98-100.

Flerov, B.K.
Revue bibliographique sur la flore mycologique du gouv. de Moscou Trav. Sect. Mycol. et Phytopath. Soc. Bot. Russia. 1: 101-105. 1923.
In Russian.

Kursanov, Leo.
The history and present situation of the study of Phytophthora infestans. Trav. Sect. Mycol. et Phytopath. Soc. Bot. Russie. 1: 107-116. 1923.
Literature: p. 116.
In Russian.

U.S. Dept. Agr. Bull.

Dietz, S.M.
The role of the genus Rhamnus in the dissemination of crown rust. U.S.Dept.Agr.Bull. 1162. 18 p. illus. S.1923 (Oct.)
Literature cited: p. 18.

Young, R.A.
Cultivation of the yams in the Gulf region. U.S. Dept. Agr. Bull. 1167. 15 p. x pl. Ag. 1923 (Sep.)

U.S. Dept. Agr. Circ.

Hoover, L.G.
The chayote: its bulture and uses. U.S. Dept. Agr. Dept. Circ. 286. 11 p. illus., iv pl. S.28, 1923 (0.6)

Meier, F.C. & Link, G.K.K.
Potato brown-rot. U.S. Dept. Agr. Dept. Circ. 281. 6 p. illus. Ag.1923 (Sep.)

Univ. Calif. Publ. Bot.

Ottley, A.M.
A revision of the Californian species of Lotus. Univ. Calif. Publ. Bot. 10: 189-305. pl.61-82, maps 1-10. S.1923. no.3.
Literature cited: p. 239.

Webbia.

Beccari, Odoardo.
Note botaniche e botanico industriali borneensi. Webbia. 5: 451-561. illus. 1923.
Contains descriptions of new species of Musa, Daemonorops, Calamus, Artocarpus, Parartocarpus, Prainea.

Chiovendam, Emilio.
La culla del cocco. Contributo alla ricerca della patria originaria della palma del cocco II. Webbia. 5: 359-449. 1923. no.2.

Martelli, Ugolino.
Alcuni manoscritti di G.Raddi. Webbia. 5: 583-584. 1923. no.2.

Yearbk. Madras Dept.Agr.

Butcher, F.H.
Note on the Cape gooseberry. Yearbk. Madras Agr. Dept. 1922. p.52-54. 1923.
Physalis peruviana, known also as tipari, used for making jams.

Jivanna, P.S.
An inquiry into the cause of bud and boll shedding in cotton. Yearbk. Madras Dept. Agr. 1922. p.1-23. illus. 1923.
Literature cited: p. 21-23.

Jivanna, P.S.
A note on pollen sterility and the shedding of bud and fruit in Thespesia populnea. Yearbk. Madras Agr. Dept. 1922. p.23-27. 1923.
Literature cited: p. 26-27.

Sundararaman, S.
Notes on some south Indian rusts. Yearbk. Madras Agr. Dept. 1922. p.48-51. 1923.

Exper. Stat. Publ.

Bennett, C.W.
Disease control in black raspberries. The problem of disease control and increased yields is mainly one of proper cultural methods, sanitation and selection of disease free stocks. Michigan Agr. Exp. Stat. Quart. Bull. v.6, no.1. p.12-14. illus. Ag. 1923.

Coons, G.H.
Copper dust successful against stinking smut. Michigan Agr. Exp. Stat. Quart. Bull. v.6, no.1. p.3-8. illus. Ag. 1923.

Kotila, J.E.
Fall and winter care of potatoes. A discussion of the injuries of potatoes resulting from improper storage and handling. Michigan Agr. Exp. Stat. Quart. Bull. v.6, no. 1. p.8-11. illus. Ag. 1923.

Wolf, F.A.
Noteworthy plant diseases in North Carolina in 1922. Ann.Rep. North Carolina Agr. Exp.Stat. 45th. 1921/22. p.74-76.

New Books.

Eley, Charles.
Gardening for the twentieth century. London, J. Murray, 1923.

Oltmanns, Friedrich.
Morphologie und biologie der algen...2. umgearb. aufl. Jena, G.Fischer, 1922.

Das pflanzenreich...h.83. Orchidaceae-Monandrae-Pseudomonopodiales von Fr.Kränzlin. Leipzig. 1923.

Shantz, H.L. & Marbut, C.F.
The vegetation and soils of Africa. Amer. Geogr. Soc. Research Ser. no.13. 263 p. 2 fold. maps. (in case) 1923.
List of references: p. 85-112.

Sinnott, E.W.
Botany. Principles and problems. New York. McGraw-Hill, 1923.

Stoklasa, Julius.
Die beschädigungen der vegetation durch rauchgase und fabriksexhalationen. Berlin, Urban & Schwarzenberg, 1923.

Translations.

Available in the Bur. of Plant Industry Library.

Dietel, P.
Ueber die wirtswechselnden rostpilze. (On rust fungi which change hosts) Centralbl. Bakt. abt.2, 48: 470-500. 1918.

Frohberg, A.
Das gelwerden der winter-gerste. (The "turning-yellow" of winter-barley) Deutsch. Landw.Presse. 49: 296. My 31, 1922.

Henning, E.
Nya försök mot gulspetssjuka, utförda 1921. (New experiments to combat yellow-point disease, made in the year 1921) Medd. no.226 fran Centralanst. Landtbr. botanik, no.22. 14 p. 1921.

Heuser, W.
Versuche ueber den einfluss äusserer bedingungen auf die Stärke des steinbrandbefalles des weizens. (Experiments regarding the influence of external conditions upon the strength of the attack of but or stinking smut upon wheat) Fühling's Landw. Zeitung. 71: 81-89. Mr. 1922.

Molz, E.
Ueber eine weitverbreitete reggenkrankheit. (On a widely distributed disease on rye) Deutsch. Landw. Presse. 49:284. My 1922.

Politis, Ioannes.
Sopra speciali corpi cellulari che formano antocianine. (On special cellular bodies which form anthocyanine) Atti Ist.Bot.Univ.Pavia. II,14: 363-376. pl.xvi-xviii. 1914.

Translations (cont.)

Politis, Ioannes.
Sopra uno speciale corpo cellulare trovato en due orchidee. (On a special cellular body found in two orchids) Atti Ist. Bot. Univ. Pavia. II, 14: 377-383. pl. xix. 1914.

Politis, Ioannes.
Sugli elaioplasti nelle mono- e dicotiledoni. (On the elaioplasts in mono- and dicotyledonous plants) Atti Ist. Bot. Univ. Pavia. II, 14: 335-361. pl. xiii-xv. 1914.

Sousa Brito, E.C. de.
Apontamentos sobre as nossas principaes forragens natibas e cultivadas. (Notes on our principal forage crops, native and cultivated) 12 p. Rio de Janeiro, 1918.

Stocklasa, J.
Ueber die resorption des aluminium-ions durch das wurzelsystem der pflanzen. (On the resorption of aluminium ions by the root-system of plants) Biochem. Zeitschr. 128: 35-47. 1922.

Sydow, H.
Weitere mitteilungen zur umgrenzung der gattungen bei den uredineen. (Further remarks upon the limitation of the genera in Uredineae) Ann. Mycol. 20: 109-125. 1922.

Tobler, Fr.
Zur kenntnis der lebens- und wirkungsweise des flachsrostes. (Contributions to the knowledge of the life and action of Melampsora lini Tul.) Faserforsch. 1: 223-229. 1921.

Transhel, V. A.
Ueber die möglichkeit, die biologie wirtswechselnder rostpilze auf grund morphologischer merkmale (On the possibility of forseeing the biology of host-changing rust fungi by studying their morphological characters) Trav Soc. Imp. Nat. St. Petersb. Compt. Rend. 35: 311-312. 1904.

Library, Bureau of Plant Industry
Current Authors Entries, 1923, no. 120.
Indexed Oct. 9 - Oct. 20, 1923.

Agricultor.
Flores, Ramóon S.
Estudios de botáanica. Agricultor. v.10, no.15. p. 16-18. illus. O. 1923.

Agr. Gaz. N. S. W.
Dodd, Sydney.
Poisoning of sheep by "Narrawa burr." (Solanum cinereum) Agr. Gaz. N.S.W. 34: 257-260. Ap.1, 1923. no.4.

McDonald, A.H.E.
Dry treatment of seed wheat for bunt. Agr. Gaz. N.S.W. 34: 239-241. illus. Ap.1, 1923. no.4.

Ann.Missouri Bot. Gard.
Greenman, J.M.
Studies of South American Senecios. I. Ann. Missouri Bot. Gard. 10: 73-110. pl. 3-8 F. 1923. no.1.

Jennison, H.M.
Potato blackleg with special reference to the etiological agent. Ann. Missouri Bot. Gard. 10: 1-72. pl. i-2. F. 1923. no. 1.
Bibliography: p. 65-68.
Organism should bear name: Bacillus atrosepticus van Hall; B.phytophthorus Appel, B. solanisaprus Harrison & B. melanogenes Pethybridge & Murphy are to be considered only as synonyms.

Beih. Bot. Centralbl.
Glück, Hugo.
Systematische zusammenstellung der standortsformen von wasser - und sumpfgewächsen. Teil I. Beih. Bot. Centralbl. Abt.2. 39: 289-398. Ja. 1923. no.3.
Zitierte literatur: p. 395-396.

Biochem. Journ.
Buston, H. W. & Schryver, S. B.
The isolation from cabbage leaves of a carbohydrate, hitherto undescribed, containing three carbon atoms. Biochem. Journ. 17: 470-472. 1923. no. 4/5.
References: p. 472.

Gallagher, P. H.
Mechanism of oxidation in the plant. Part I. The oxygenase of Bach and Chodat: function of lecithins in respiration. Biochem. Journ. 17: 515-529. 1923. no. 4/5.
References: p.529.

Hevesy, George.
The absorption and translocation of lead by plants. A contribution to the application of the method of radioactive indicators in the investigation of the change of substance in plants. Biochem. Journ. 17: 439-445. 1923. no. 4/5.
References: p. 445.

Ling, A.R. & Nanji, D.R.
On the presence of maltase in germinated and ungerminated barley. Biochem. Journ. 17: 593-596. 1923. no.4/5.
References: p. 596.

Biochem. Journ. (cont.)

O'Dwyer, M. H.
The hemicelluloses. III, The hemicellulose of American white oak. Biochem. Journ. 17: 501-509. 1923. no.4/5.
References: p. 508-509.

Stiles, Walter.
The penetration of electrolytes into gels. V. The diffusion of mixtures of chlorides in gels. Biochem. Journ. 17: 530-534. 1923. no. 4/5.
References: p. 534.

Bot. Arch.

Jedwabnick, Elisabeth.
Neue arten der gattung Eragrostis. Bot.Arch. 4: 327-328. O.1923. no. 4.

Lindinger, Leonhard.
Vorläufige mitteilung über einige ergebnisse meiner zweiten Kanarenreise. Bot. Arch. 4: 263-277. O. 1923. no. 4.

Nitschke, Richard.
Die georgraphische verbreitung der gattung Acalypha. Bot. Arch. 4: 277-317. O. 1923. no. 4.
Literatur-verweise: p. 316-317.

Schulz, Paul.
Plankton - desmidiaceen. Bot. Arch. 4: 249-262. illus. O. 1923. no. 4.

Steinecke, Fr.
Ueber beziehungen zwischen färbung und assimilation bei einige süsswasseralgen. Bot. Arch. 4: 317-327. illus. O. 1923. no.4.
Literatur-verweise: p. 327.

Bull. Misc. Inform. Kew.

Grove, W. B.
The British species of Cytospora. Bull. Misc. Inform. Kew. 1923, no.1. p.1-30.
C. lonicerae, C. Symphoricarpi n.sp.

Bull. Pan Amer. Union.

Pennell, F. W.
Successful botanical expedition to Colombia. Bull. Pan Amer. Union. 57: 221-232. illus. S. 1923. no.3.

Bull. Soc. Hist. Nat. Afr. Nord.

Braun-Blanquet, J. & Wilczek, E.
Contribution à la connaissance de la flore marocaine. Bull. Soc. Hist. Nat. Afr. Nord. 14: 212-226. Je. 1923. no. 6.

Ducellier, L.
l'ergot de l'Avoine en Algerie. Bull.Soc. Hist.Nat.Afr.Nord. 14: 290-293. Jl. 1923. no.7.

Faure, Alphonse.
Notes sur mes herborisations dans le département d'Oran. Bull. Soc. Hist.Nat.Afr.Nord. 14: 233-264, 293-300. 1923. no. 6-7.

Nicolas, Gustave.
A propos du Mercurialis ambigua L. Bull. Soc. Hist. Nat. Afr. Nord. 14: 274-275. Jl. 1923. no. 7.

La Cellule.

Biourge, Ph.
Les moisissures du groupe Penicillium Link. Etude monographique. La Cellule. v.33. 330 p. col. pl. i-xiii, pl. i-xxiii. 1923. no.1.

China Journ. Sci. & Arts.

Porterfield, W. M.
The trees and shrubs of St. John's University campus. China Journ. Sci. & Arts. 1: 494-499. plates. S. 1923. no. 5.
Chinese names & characters given.
References: p. 499.

Compt. Rend. Acad. Sci. Paris.

Souèges, René.
Embryogénie des géraniacées. Développement de l'embryon chez le Geranium molle L. Compt. Rend. Acad. Sci. Paris. 177: 556-558. illus. S.24, 1923. no. 13.

Wolff, Jules.
Contribution à la connaissance des phénomènes de symbiose chez les Orchidées. Compt. Rend. Acad. Sci. Paris. 177: 554-555. S.24, 1923. no. 13.

Country Life. London.

Jekyll, Gertrude.
Bunch primroses. Country Life. 54: 418-419. illus. S.29, 1923. no. 1395.

Defensa Agr. Uruguay.

Exoascus deformans. Llamado vulgarmente encrespadura del duraznero. Defensa Agr. Uruguay. 4: 91-93. illus. Jl.-Ag. 1923. no. 7/8.

Giaccone, Vicente.
Enfermedades de la papa. Defensa Agr. Uruguay. 4: 84-86. Jl.-Ag. 1923. no. 7/8.

Navarrete, M.
La gomosis de los naranjos. Defensa Agr. Uruguay. 4: 86-87. Jl.-Ag. 1923. no. 7/8.

Deut. Landw. Presse.

Rump, Ludwig.
Zur bekämpfung der stockkrankheit des roggens. Deut. Landw. Presse. 50: 311. S.8, 1923. no. 36.

Florida Grow.

Popenoe, Wilson.
The avocado situation. Florida Grow. v. 28, no. 15. p. 6-7, 16-17. illus. O.13, 1923.

Garden.

Irving, Walter.
The torch lilies. Garden. 87: 509-511. illus. O.6, 1923. no. 2707.

Osborn, Arthur.
Dwarf rhododendrons for the rock garden. Garden. 87: 512. illus. O.6, 1923. no. 2707.

Some ornamental cherries. Garden. 87: 497-498. illus. S.29, 1923. no. 2706.

Gard. Agr.

Cabane, Et.
Les maladies des arbres fruitiers dans la région d'Alais. Gard. Agr. n.s.2: 220-222. S. 1923. no. 9.

Gard. Chron.

The advance knowledge of fungous pests. Gard. Chron. III, 74: 197. O.6, 1923. no. 1919.

Hutchinson, John.
Notes on East African plants. Gard. Chron. III, 74: 205. illus. O.6, 1923. no. 1919.

Krelage, E. H.
The development of the dahlia. Gard. Chron. III, 74: 204. O.6, 1923. no. 1919.

Robertson Proschowsky, A.
Palms of the Riviera. Gard. Chron. III, 74: 189. S.29, 1923. no. 1918.

Ward, F. K.
Mr. Kingdon Ward's seventh expedition in Asia. no.21. Over the Gompa La. Gard. Chron. III, 74: 188-189. illus. S.29, 1923. no. 1918.

Gard. Illus.

Cornhill, J.
Diseased arums. Gard. Illus. 45: 626. O.6, 1923. no. 2326.

Ornamental flowering currants and gooseberries. Gard. Illus. 45: 609-610. illus. S.29, 1923. no. 2325.

Gartenw.

Hahn, Eugen.
Unsere wichtigsten handelsfarne. Gartenw. 27: 283-285. illus. S.7, 1923. no. 36.

Hacienda.

Johnson, A.G.
El tizón del trigo - caracteres generales y manera de combatirlo. Hacienda. 18: 309-312. illus. O. 1923. no.10.

Wester, Peter J.
El cultivo y explotación racional del mango. Hacienda. 18: 306-308. illus. O.1923. no.10.

Il Coltiv.

Morettini, Alessandro.
Mezzi di lotta preventiva contro la "carie, del frumento ed il metodo a secco. Il Coltiv. 69: 242-245, 274-280. 1923. no. 26.

Ital. Agr.

Strampelli, Nazareno.
I più recenti grani Strambelli. Ital. Agr. 60: 353-368. col. plates. S.15, 1923.

Journ. Bot.

Britten, James.
Carmichaelia australis R. Br. Journ. Bot. 61: 257-259. O. 1923. no. 730.

Britten, James.
Frederic Newton Williams, (1862-1923) Journ. Bot. 61: 249-252. O. 1923. no. 730.

Captain Cook's Mss. Journ. Bot. 61: 260-261. O. 1923. no. 730.

Dr. H.O. Forbes's New Guinea plants (cont.) Journ. Bot. 61, Suppl., p. 41-48. O. 1923. no. 730.

Journ. Bot. (cont.)

Lacaita, C.C.
Echium polycaulon, Boiss. Journ. Bot. 61: 259-260. O. 1923. no. 730.

Sprague, T. A.
Heliocarpus americanus. Journ. Bot. 61: 255-257. O. 1923. no. 730.

Journ. Dept. Agr. So. Africa.

Galls on crowns of apple trees. Journ. Dept. Agr. So. Africa. 7: 198. S. 1923. no.3.

New peanut disease. Journ. Dept. Agr. So. Africa. 7: 191. S. 1923. no.3.
Called by some growers rosette, thought to be due to nematodes.

Journ. Ecol.

Godwin, H.
Dispersal of pond floras. Journ. Ecol. 11: 160-164. S. 1923. no. 2.

Griffiths, B. M.
The phytoplankton of bodies of fresh water, and the factors determining its occurrence and composition. Journ. Ecol. 11: 184-213. S. 1923. no. 2.
References: p. 212-213.

Pearsall, W. H.
A theory of diatom periodicity. Journ. Ecol. 11: 165-183. S. 1923. no.2.
References: p. 183.

Stamp, L. D. & Lord, Leslie.
The ecology of part of the Riverine tract of Burma. Journ. Ecol. 11: 129-159. pl. i. S. 1923. no.2.

Summerhayes, V. S. & Elton, C. S.
Contribution to the ecology of Spitsbergen and Bear Island. Journ. Ecol. 11: 214-286. pl. ii-iv. S. 1923. no.2.
Bibliography: p. 284-286.

Journ. Helminth.

Goodey, T.
Quiescence and reviviscence in nematodes, with special reference to Tylenchus tritici and Tylenchus dipsaci. Journ. Helminth. 1: 47-52. My. 1923. no.2.
References: p. 51-52.

Journ. Hered.

Garber, R. J. & Quisenberry, K. S.
Delayed germination and the origin of false wild oats. Journ. Hered. 14: 267-274. illus. S. 1923. no.6.
Literature cited: p. 273.

Griffiths, David.
Production of double cone flowers. Journ. Hered. 14: 265-266. illus. S. 1923. no.6.

Kempton, J.H.
Branched ears. Heritable characters in maize. XIV. Journ. Hered. 14: 243-251. illus. S.1923 (Rec'd O.) no.6.

Journ. Nat. Inst. Agr. Bot.

Salaman, Redcliffe N

On the potatoes sent for immunity trials to the potato testing station, Ormskirk, Lancashire, 1922. Journ. Nat. Inst. Agr. Bot. no.1. p. 36-44. 1922.

Journ. Wash. Acad. Sci.

Standley, P. C.

New species of plants from Salvador. Journ. Wash. Acad. Sci. 13: 363-369. O.4, 1923. no.16.

Missouri Bot. Gard. Bull.

Albino redwood shoots. Missouri Bot. Gard. Bull. 11: 90-92. pl. 23-24. S. 1923. no.7.

An expedition for orchids to Central and South America. Missouri Bot. Gard. Bull. 11: 79-90. pl. 19-22. S 1923. no.7.

Nature.

Guppy, Henry B

Suggested botanical exploration of the higher summits of the Cape Verd Islands. Nature. 112: 472. S.29, 1923. no. 2813.

Heaton, N.

Lichens and their action on the glass and leadings of church windows. Nature. 112: 505-506. O.6, 1923. no. 2814.

Notes Bot. School Trinity Coll. Dublin.

Notes Bot. School Trinity Coll. Dublin v.3, no.4. Jl. 1923.

Atkins, W.R.G.

The hydrogen ion concentration of the soil in relation to the flower colour of Hydrangea hortensis W., and the availability of iron. 3: 224-233. Jl. 1923.

Reprinted from Sci. Proc. Roy. Dublin Soc.

Dixon, H.H.

On the channels of transport from the storage organs of the seedlings of Lodoicea, Phoenix, and Vivia. 3: 234-245. pl. vii-xi. Jl. 1923.

References: p. 243.

Reprinted from Sci. Proc. Roy. Dublin Soc.

Dixon, H.H.

Transport of organic substances in plants. 3: 207-215. Jl. 1923. no.4.

Transport of the organic substances is effected through the trachea.

Mason, T.G.

A note on the growth and the transport of organic substances in bitter cassava (Manihot utilissima). 3: 216-223. Jl. 1923.

Literature cited: p. 223.

Reprinted from Sci. Proc. Roy. Dublin Soc.

Notes R. Bot. Gard. Edinb.

Downie, D. G.

Chinese species of Tsuga. Notes R. Bot. Gard. Edinb. 14: 13-19. pl. cxciv. Ap. 1923. no. 67.

T. dura, T. patens, T. wadrii, T. calcarea, T. forrestii n.sp.

Evans, W. E.

Note on the varieties of Geum elatum, Wallich. Notes R. Bot. Gard. Edinb. 14: 27-30. pl. cxcv-cxcvi. Ap. 1923. no. 67.

Notes R. Bot. Gard. Edinb. (cont.)

Orr, M. Y.
On the resin ducts in the leaf of Picea brachytyla Pritzel. Notes R. Bot. Gard. Edinb. 14: 24-26. illus. Ap. 1923. no. 67.

Orr, M. Y.
Polyembryony in Sarcococca ruscifolia, Stapf. Notes R. Bot. Gard. Edinb. 14: 21-23. illus. Ap. 1923. no. 67.

Rehder, Alfred.
A new Chinese Osmanthus. Notes R. Bot. Gard. Edinb. 14: 20. Ap. 1923. no. 67.
Osmanthus forrestii, sp.nov.

Nova Acta R. Soc. Sci. Upsala.

Juel, H. O.
Studien in Burser's Hortus siccus. Nova Acta Soc. Scient. Upsal. s.4, v.5, no.7. xvi, 144 p. 1923.
Zitierte literatur: p. 143-144.

Ochrana Rostlin.

Baudys, Eduard.
Rakovina jetele. Ochrana Rostlin. v.3, no.1/2. p. 4-7. illus. My. 1923.

Buchta, Viktor.
Kedy a ako sa máme bránif proti chorobám ovocných stromov. Ochrana Rostlin. v.3, no.1/2. p. 13-15. My. 1923.

Smolák, Jar.
Noveobjevy v oboru chorob bramboru. Ochrana Rostlin. v.3, no.1/2. p. 7-9. My. 1923.

Stranák, Fr.
Fytopathologie na jarní hospodárski výstavě v. Praze. Ochrana Rostlin. v.3, no.3/4. p. 26-29. illus. Jl. 1923.

Orchid Rev.

Ellwood, A. G.
Orchid culture in the United States of America. Orchid Rev. 31: 291-292. O. 1923. no. 362.

Philipp. Agr. Rev.

Aldaba, V. C.
The fiber elements of some fiber-agaves and Mauritius hemp. Philipp. Agr. Rev. 16: 120-129. pl. iv-viii. 1923. no.2.

Espino, R. B. & Novero, T.
Mauritius hemp, (Furcroea gigantea), with reference to its inferiority to abaca, maguey, and sisal. Philipp. Agr. Rev. 16: 108-119. pl. i-iii. 1923. no.2.

Lee, H. A. & Serrano, F. B.
Banana wilt and the Manila hemp plant. Philipp. Agr. Rev. 16: 104-107. 1923. no.2.

Mendiola, N. B
On the improvement of abaca (Musa textilis Née) Philipp. Agr. Rev. 16: 85-99. 1923. no.2.
Literature cited: p. 99.

Poona Agr. Coll. Rep.
Sahasrabuddhe, D. L.
Investigations on the causes favouring the development of red-rot of sugar-cane in Gujarat. Poona Agr. Coll. Rep. no. 18. 16 p. 1922.

Proc. Amer. Cranberry Grow. Assoc.
Soammel, H. B.
Commercial weed-killer, its uses on the cranberry. Proc. Amer. Cranberry Grow. Assoc. v. 54, p. 6-8. 1923.

Proc. Portland Soc. Nat. Hist.
Hill, A. F.
The vegetation of the Penobscot Bay region, Maine. Proc. Portland Soc. Nat. Hist. 3: 305-438. illus. 1923. no. 3.
Bibliography: p. 435-438.

Prog. Agr. & Vitic.
Foëx, Etienne.
Les maladies des arbres fruitiers et leurs traitements. Maladies du pommier. Progr. Agr. et Vitic. 80: 328-333. S.30, 1923. no. 39.

Quart. Bull. Misc. State Plant Bd.
Grimes, D. W. & Barker, H. D.
Three extremely serious diseases of nursery stock. Quart. Bull. Miss. State Plant Bd. v.3, no. 2. p. 7022. illus. Jl. 1923.

Rev. Agr. Ile Maurice.
S. , E.F.S.
Maladies des plantes. - La maladie de la pomme de terre. Rev. Agr. Ile Maurice. no. 10. p. 192-194. Jl.-Ag. 1923.

Rev. Hist. Nat. Appl. pt.I.
Meunissier, Auguste.
Un congrès des iris. Rev. Hist. Nat. Appl. Pt.I. 4: 247-256. Ag. 1923. no. 8.

Rev. Path. Comp.
Dufrenoy, Jean.
La transmission des maladies des plantes par voie biologique. Rev. Path. Comp. 23: 336-343, 394-399. illus. My.-Je. 1923. no. 228-230.
Discussion: p. 394-399.

Riv. Biol.
Trinchieri, Giulio.
Su la pretesa presenza, in Italia, della "rogna nera" della patata. Riv. Biol. v.5, no. 1. p. 139-140. Ja.-F. 1923.

Riv. Patol. Veg.
Nannizzi, Arturo.
Una specie critica di "Oidium" sulla "Robinia hispida" L. [Oidium orbiculare Nannizzi - Oidium monosporum Pass.; Ovulariopsis monospora (Pass.) P.A. Sacc. e D. Sacc.] Riv. Patol. Veg. 13: 121-127. S.1, 1923. no. 7/8.

Science.
Seed potatoes. Science. n.s.v.58,no.1502. pl. xii. O.12, 1923.

Skogs. Fören. Tidskr.
Lundborg, Martin.
Skogsvegetationen och avgaserina. Skogs. Fören. Tidskr. 21: 290-306. illus. S.-O. 1923. no. 9/10.

So. African Gard.
The Herbarium and Botanical Museum in botanical science. So. African Gard. 13: 351-353. illus. S. 1923. no. 9.

Tropenpfl.
Uphof, J. C. Th.
Ueber die verwendung von krankheitserregern zur bekämpfung schädlicher tropischer insekten. Tropenpfl. 26: 4-7. illus. Ja./F. 1923.

U.S. Dept. Agr. Bull.
Dietz, S. M.
The role of the genus Rhamus in the dissemination of crown rust. U.S. Dept. Agr. Bull.1162. 18 p. illus. S. 1923 (Oct.)
Literature cited: p. 18.

U.S. Dept. Agr. Circ.
Hoover, L. G.
The chayote: its culture and uses. U.S. Dept. Agr. Dept. Circ. 286. 11 p. illus., iv pl. S.28, 1923 (Oct.6.)

U.S. Dept. Agr. Farm. Bull.
Chittenden, F. H. & Orton, W. A.
Increasing the potato crop by spraying. U.S. Dept. Agr. Farm. Bull. no. 1349. 22 p. illus. O. 1923.

Harter, L.L. & Jones, L.R.
Cabbage diseases. U.S. Dept. Agr. Bull. 1351. 28 p. illus. S. 1923 (Rec'd O.)

Zeitschr. Indukt. Abstamm. u. Vererbungsl.
Sabnis, T.S.
Inheritance of variegation. Zeitschr. Abstamm. u. Vererbungsl. 32: 61-69. illus. 1923 no. 1.

Sperlich, Adolf
Weitere untersuchungen über die phyletische potenz an reinen linien und freilandmaterial von Alectorolophus hirsutus All. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 32: 1-36. illus. 1923. no.1.

Zeitschr. Sukkulent.
Lützelburg, P. von.
Reisen den nordoststaaten brasiliens und ihren kakteen gebieten. Zeitschr. Sukkulent. no.6. p. 59-69. pl. S.15, 1923.

Vaupel, Friedrich.
Drei neue cereen aus Brasilien. Zeitschr. Sukkulent. no.6. p. 57-58. illus. S.15, 1923.

Exper. Stat. Publ.

Emerson, R. A.
The inheritance of blotch leaf in maize.
Cornell Univ. Agr. Exp. Stat. Memoir. no. 70.
16 p. pl. i-iii. Je. 1923.
Leaf blotch due to a weakness in certain plants.

State Publications.

Delcurto, J.M., Halstead, E.W. & Halstead, H.F.
The citrus industry in the Lower Rio Grande Valley of Texas. Texas Dept. Agr. Bull. no.75.
119 p. illus. Mr.-Ap. 1923.

New Books.

Coker, C.C.
The Saprolegniaceae. Chapel Hill, N.C. 1923.

Library, Bureau of Plant Industry
Current Authors Entries, 1923, no. 121.
Indexed Oct. 22 - Nov. 3, 1923.

Agr. Journ. India.

Ajrekar, S. L. & Kamat, M. N.
The relationship of the species of Fusarium causing wilt and dry rot of potatoes in Western India. Agr. Journ. India. 18: 515-520. pl. xx. S. 1923. no. 5.

Cheema, G. S. & Gandhi, S. R.
The influence of notching on the yield of the fig trees. Agr. Journ. India. 18: 501-504. illus. S. 1923. no. 5.

Dastur, J. F.
The mosaic disease of sugarcane in India. Agr. Journ. India. 18: 505-509. pl. xix. S. 1923. no. 5.

Harland, S. C.
Inbreeding in cotton and its importance to the plant breeder. Agr. Journ. India. 18: 465-474. S. 1923. no. 5.

McRae, William.
The operations against the bud-rot of Palmyra palms on the East coast. Agr. Journ. India. 18: 487-500. S. 1923. no. 5.

Alpe. Riv. For. Ital.

Petri, Lionelle.
Sopra le cause di disseccamento degli abeti a Vallombrosa. Alpe, Riv. For. Ital. ser. 2, 10: 185-190. Ag.-S. 1923. no. 8-9.

Amer. Journ. Bot.

Darling, C. A.
Chromosome behavior in Acer platanoides L. Amer. Journ. Bot. 10: 450-457. pl. xxxi-xxxii. O. 1923. no. 8.
Literature cited: p. 456.

Robbins, W. J.
An isoelectric point for plant tissue and its significance. Amer. Journ. Bot. 10: 412-439. O. 1923. no. 8.
Literature cited: p. 438-439.

Snell, W. H.
The effect of heat upon the mycelium of certain structural-timber-destroying fungi within wood. Amer. Journ. Bot. 10: 399-411. O. 1923. no. 8.
Literature list: p. 411.

Stout, A. B.
Studies of Lythrum salicaria. I. Amer. Journ. Bot. 10: 440-449. O. 1923. no. 8.
Literature cited: p. 449.
I. The efficiency of self-pollination.

Ann. Missouri Bot. Gard.

Burt, E.A.
Higher fungi of the Hawaiian Islands. Ann. Missouri Bot. Gard. 10: 179-189. Ap. 1923 (Rec'd O. 1923) no. 2.
Crepidotus rhizomorphus, Fomes fasciculatus, Epithele hydnoides n.sp.

Ann. Rep. Bd. Sci. Advice India.
Gage, A. T.
Botanical survey. Ann. Rep. Bd. Sci. Advice India. 1921/22. p. 29-32b. 1923.

Howard, Albert.
Economic botany pt.I. Agricultural botany. Ann. Rep. Bd. Sci. Advice India. 1921/22. p. 33-37. 1923.

Hole, R. S.
Economic botany pt.II. Forest botany. Ann. Rep. Bd. Sci. Advice India 1921/22. p. 38-42. 1923.

McRae, William.
Economic botany pt.III. Mycology. Ann. Rep. Bd. Sci. Advice India. 1921/22. p. 43-47. 1923.

Ann. Rep. British Columbia Dept. Agr.
Estham, J. W.
Report of provincial plant pathologist. 1922. Ann. Rep. British Columbia Dept. Agr. 17: W 66-W 70. 1923.

Ann. Rep. Wisconsin State Hort. Soc.
Dickson, J.G.
Disease resistance as a factor in the control of plant diseases. Ann. Rep. Wisconsin State Hort. Soc. v.52. p. 123-131. 1923.

Stakman, E. C.
European Travels of a cereal pathologist. Ann. Rep. Wisconsin State Hort. Soc. v.52. p. 112-123. 1923.

Toole, William, sr.
Variations in native trees, shrubs, and herbaceous plants. Ann. Rep. Wisconsin State Hort. Soc. v.52. p. 87-94. 1923.

Arch. Rubbercult. Neredl.-Ind.
Keuchenius, P. E.
Ervaringen uit de praktijk der bruine bast bestrijding. Arch. Rubbercult. Nederl.-Ind. 7: 382-385. S. 1923. no.9.

Beretn. Stat. Forsøgsv. Plantekult. Denmark.
Esbjerg, Niels & Holten, Erik.
Forsøg med opbevaring af frugt. Beretn. Stat. Forsøgsv Plantekult. Denmark. no. 165. p. 329-394. 1923.
Litteraturfortegnelse: p. 391-392.
English summary: p. 393-394.

Bot. Gaz.
Abbott, Ouida.
Chemical changes at beginning and ending of rest period in apple and peach. Bot. Gaz. 76: 167-184. O. 1923. no.2.
Literature cited: p. 183-184.

Dorsey, M.J. & Strausbaugh, P.D.
Plum investigations. Bot. Gaz. 76: 113-143. pl. x-xi. O. 1923.
Literature cited: p. 140-142.
I. Winter injury to plum during dormancy.

Bot. Gaz. (cont.)

Lamb, Sister M.A.
Leaflets of Cycadaceae. Bot. Gaz. 76: 185-202. pl. xv-xvi. O. 1923. no.2.
Literature cited: p. 201-202.

Poole, J.P.
Comparative anatomy of leaf od cycads, with reference to cycadofilicales. Bot. Gaz. 76: 203-214. pl. xvii-xix. O. 1923. no.2.
Literature cited: p. 213.

Seward, A.C.
A supposed paleozoic angiosperm. Bot. Gaz. 76: 215. O. 1923. no. 2.

Sherff, E.E.
Studies in the genus Bidens. VI. Bot. Gaz. 76: 144-166. pl. xii-xiv. O. 1923. no.2.

Bot. Not.

Cedergren, G.R.
Bidrag till Medelpads flora jämtë nagra uppgifter fran angränsande delar av Jämtland. Bot. Not. 1923, no. 4. p. 352-368. illus.
Förteckning över citerad litteratur: p. 368.

Erman, C.
Ein beitrag zu den untersuchungen über die dunkelwachstumsreaktion bei der koleoptile von Avena sativa. Bot. Not. 1923, no. 4. p. 331-351.
Litteratur-verzeichniss: p. 351.

Hammarlund, Carl.
Boletus elegans Schum. und Larix-mykorrhiza. Bot. Not. 1923, no.4. p. 305-326. illus.
Literatur: p. 326.

Holmberg, O.R.
Dactylis aschersoniana x glomerata nov.hybr. Bot. Not. 1923, no.4. p. 327-330.

Svensson, H.G.
Om basidsvampars förekomstasätt hänsyn till det fruktkroppsalstrande myceliets läge. Bot.Not. 1923, no.4. p. 369-376.
Litteraturförteckning: p. 375-376.

Brooklyn Bot. Gard. Leafl.

Gundersen, Alfred.
Evolution in flowering plants. Brooklyn Bot. Gard. Leafl. ser.11, no.9. 4 p. O.17, 1923.

Bull. Soc. Bot. France.

Arènes, J.
Etude sur la zone halophile en Provence. Vegétation des falaises. Bull. Soc. Bot. France, 70: 238-247. Mr.-Ap. 1923. no.3/4.

Blaringhem, Louis.
Sur les chimères du Cytisus adami. Bull. Soc. Bot. France. 70: 401-409. pl. ii. My.-Je. 1923. no. 5/6.

Bouly de Lesdain, Maurice.
Notes lichenologiques XX. Bull.Soc. Bot. France. 70: 277-283. Mr.-Ap. 1923. no.3/4.

Buchet, Samuel.
Cladomanie et castration parasitaire de Reseda lutea L. Bull. Soc. Bot. France. 70: 301-303. Mr.-Ap. 1923. no.3/4.
Bibliographical foot-notes.

Bull. Soc.Bot.France (cont.)

Burollet, P.A.
Observations sur la Mercuriale annuelle. Bull. Soc.Bot. France. 70: 250-254. illus. Mr.-Ap. 1923. no.3/4.

Burollet, P.A.
Sur quelques géophytes du Sahel de Sousse. Bull. Soc.Bot.France. 70: 6-12. Ja.-F. 1923. no.1/2.

Camus, Aimée.
Le genre Iseilema Anderss. Bull. Soc.Bot. France. 70: 493-495. My.-Je. 1923. no.5/6.
Synonymie et répartition géographique des espèces: p. 495

Camus, Aimée.
Note sur le x Cephalanthera schulzei G. Camus, Bergon et A. Camus. Bull. Soc. Bot. France. 70: 451-453. Illus. My.-Je. 1923. no.5/6.

Chauveaud, Gustave.
Le protoxylème centripète est toujours primaire. Le soi-disant protoxylème centrifuge est souvent secondaire. Bull. Soc. Bot. France. 70: 426-431. pl. iii-iv. My.-Je. 1923. no. 5/6.

Chermezon, Henri.
Scleria et Schoenoxiphium nouveaux de Madagascar. Bull. Soc.Bot. France. 70: 297-301. Mr.-Ap. 1923. no.3/4.

Chermezon, Henri.
Sur quelques Carex nouveaux de Madagascar. Bull. Soc. Bot. France. 70: 409-415. My.-Je. 1923. no. 5/6.

Chevalier, Auguste.
Note sur les Spartina de la flore française. Bull. Soc. Bot. France. 70: 54-63. illus. Ja.-F. 1923. no. 1/2.

Combes, Raoul.
A propos de publications récentes sur la formation des pigments anthocyaniques. Bull. Soc. Bot. France. 70: 222-232, 263-276. illus. Mr.-Ap. 1923. no.2/3.

Dauphiné, André.
Polytomie, polystéllie et accélération vasculaire dans les racines traumatisées. Bull. Soc. Bot. France. 70: 502-508. pl. vii-ix. My.-Je. 1923. no.5/6.

Dauphiné, André.
Sur la présence de vaisseaux primaires, superposés et centrifuges, dans la racine. Bull. Soc. Bot. France. 70: 73-77. pl. i. Ja.-F. 1923. no.1/2.

Dop, Paul.
Contribution à l'étude du genre Premna L. Bull. Soc. Bot. France. 70: 437-446. My.-Je. 1923. no.5/6.

Dop, Paul.
Remarques sur les longaniaées. Bull. Soc. Bot. France. 70: 136-139. Ja.-F. 1923. no. 1/2.

Bull. Soc. Bot. France. (cont.)

Fournier, P.
Vinca minor L. var. nummulariaefolia P. Fournier. Bull. Soc. Bot. France. 70: 284-285. illus. Mr.-Ap. 1923. no.3/4.

Gagnepain, François.
Déhiscence des fruits et germination du Dimerocarpus brenieri Gagnep. Bull. Soc. Bot. France. 70: 204-207. Mr.-Ap. 1923. no.3/4.

Gagnepain, Francois.
Euphorbiacées nouvelles. Bull. Soc. Bot. France. 70: 117-125, 232-236, 431-437. 1923. no. 1/2-5/6.
Antidesma, Aporosa, Baccurea, Bridelia & Godefroya (gen.nov.) G. rotunda.

Gagnepain, François.
Qu'est-ce que le genre Cleistanthus Hook? - Paracleisthus, g.n. d'Euphorbiacées. Bull. Soc. Bot. France. 70: 496-502. My.-Je. 1923. no.5/6.

Gandoger, Michel.
Les byttnériacées de l'afrique australe. Bull. Soc. Bot. France. 70: 200-204. Mr.-Ap. 1923. no.3/4.
"Bibliography": p. 203-204.

Gard, Médéric.
Sur l'etat sexuel du Fucus ceranoides L. Bull. Soc. Bot. France. 70: 294-296. Mr.-Ap. 1923. no.3/4.

Gerbault, E. L.
Contribution à la connaissance du Viola meduanensis de Boreau. Bull. Soc. Bot. France. 70: 46-54. Ja.-F. 1923. no.1/2.

Guérin, Paul.
Le genre Bifora; étude anatomique du Bifora radians Bieb. Bull. Soc. Bot. France. 70: 481-487. illus. My.-Je. 1923. no.5/6.

Guérin, Paul.
Les urticées: cellules à mucilage, laticifères et canaux sécréteurs. Bull. Soc. Bot. France. 70: 125-136, 207-215, 255-263. illus. 1923. no. 1/2, 3/4.

Guffroy, Charles.
La flore agricole de la France: I. Les "mauvaises herbes" des terres cultivées. II. Les plantes des prairies et des pâturages. Bull. Soc. Bot. France. 70: 79-84. Ja.-F. 1923. no. 1/2.

Guillaumin, André.
Notules tératologiques. Bull. Soc. Bot. France. 70: 517-519. My.-Je. 1923. no.5/6.

Litardière, René de.
Revision du groupe Festuca ovina L. subsp. alpina Hack. Bull. Soc. Bot. France. 70: 293. Mr.-Ap. 1923. no.3/4.

Litardière, René de.
Sur l'insertion fusoriale des chromosomes somatiques. Bull. Soc. Bot. France. 70: 193-197. Mr.-Ap. 1923. no. 3/4.
Bibliographie: p. 197.

Bull. Soc.Bot.France. (cont.)

Maire, René. & Trabut, Louis.
Jules-Aimé Battandier (1848-1922) Bull. Soc. Bot. France. 70: 106-117. Ja.-F. 1923. no. 1/2.

Molliard, Marin.
Lichens decorateurs d'églises. Bull. Soc. Bot. France. 70: 236-237. Mr.-Ap. 1923. no. 3/4.

Moreau, Fernand.
Les éléments de la détermination des sortes chez le houblon cultivé. Bull. Soc. Bot. France. 70. 455-466. illus., pl. v-vi. My.-Je. 1923. no. 5/6.

Mugnier, Louis.
Sépiacées à pédicelles glanduleux. Bull. Soc. Bot. France. 70: 415-418. My.-Je. 1923. no.5/6.

Noachovitch, Georges.
Au sujet d'un "faux-cacao." Bull. Soc. Bot. France. 70: 418-425. illus. My.-Je. 1923. no.5/6.

Pellegrin, François.
Une nouvelle le gumineuse africaine qui terre ses fruits. Bull. Soc. Bot. France. 70: 491-493. My.-Je. 1923. no.5/6.

Souèges, René.
Développement de l'embryon chez le Myosotis hispida Schlecht. Bull. Soc. Bot. France. 70: 385-401. illus. My.-Je. 1923. no.5/6.

Bull. Torr. Club.

Seaver, F. J.
Studies in tropical Ascomycetes. II. An interesting Xylaria from Porto Rico. Bull. Torrey Bot. Club. 50: 307-309. pl. 18. S. 1923. no.9.

Seifriz, William.
The altitudinal distribution of plants on Mt. Gedeh, Java. Bull. Torrey Bot. Club. 50: 233-305. illus., pl.15-17. S. 1923. no.9.

Citrus Indust.

Burger, O.F., DeBusk, E.F. & Briggs, W.R.
Controlling melanose. Citrus Indust. v.4, no.10. p. 6-8. O. 1923.

Chase, S. O.
Decay of citrus fruits in transit. Citrus Indust. v.4, no.10. p. 5, 48. O. 1923.

Stirling, Frank.
The present status of citrus canker. Citrus Indust. v.4, no.10. p. 22,24. O. 1923.

Compt. Rend. Acad. Sci. Paris.

Bridel, Marc.
Étudé biochimique sur la composition du Monotropa hypopitys L. Obtention d'un nouveau glucoside à salicylate de méthyle, la monotropitine. Compt. Rend. Acad. Sci. Paris. 177: 642-644. O.8, 1923. no.15.

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

Guilliermond, Alexandre. & Mangenot, G.
Observations cytologiques sur le mode de formation des essences. Compt. Rend. Acad. Sci. Paris. 177: 600-603. illus. O.1, 1923. no.14.

Liubimenko, Vladimir.
Action spécifique des rayons lumineux de diverses couleurs dans la photosynthèse. Compt. Rend. Acad. Sci. Paris. 177: 606-608. O.1, 1923. no. 14.

Maige, Albert.
Remarques au sujet de la formation et de la digestion de l'amidon dans les cellules végétales. Compt. Rend. Acad. Sci. Paris. 177: 646-649. O.8, 1923. no. 15.

Pfianichnikov, Dimitrii.
Sur l'assimilation de l'ammoniaque par les plantes supérieures. Compt. Rend. Acad. Sci. Paris. 177: 603-606. O.1, 1923. no. 14.

Wurmser, René.
Sur le rendement énergétique de l'assimilation chlorophyllienne. Compt. Rend. Acad. Sci. Paris. 177: 644-646. O.8, 1923. no. 15.

Compt. Rend. Soc. Biol. Paris.

Petrescu, C.
Contribution a l'étude biologique de la flore de Moldavie. Compt. Rend. Soc. Biol. Paris. 89: 686-687. 1923. no. 26.
"Biologic equilibrium" established between host and parasite in a number of cases observed.

Country Life. London.

Bean, W. J.
Oaks. I.- Country Life. 54: 499-501. illus. O.13, 1923. no. 1397.
I. Evergreen.

Ecology.

Cooper, W.S.
The recent ecological history of Glacier Bay, Alaska. III. Permanent quadrats at Glacier bay: an initial report upon a long-period study. Ecology. 4: 355-365. illus. O. 1923. no.4.

De Forest, H.
Rainfall interception by plants: an experimental note. Ecology. 4: 417-419. O. 1923. no.4.

Hoasis, F.W.
Frost heaving of western yellow pine seedlings. Ecology. 4: 378-390. O. 1923. no.4.
Literature: p. 390.

Harvey, R.B.
Relation of the color of bark to the temperature of the cambium in winter. Ecology. 4: 391-394. O. 1923. no.4.

Klugh, A.B.
A common system of classification in plant and animal ecology. Ecology. 4: 366-377. O. 1923. no.4.
Literature cited: p. 375-377.

Ecology (cont.)

Schaffner, J.H.
The influence of relative length of daylight on the reversal of sex in hemp. Ecology. 4: 323-334. O. 1923. no.4.
Literature cited: p. 334.

Wherry, E.T.
A soil acidity map of a Long Island wild garden. Ecology. 4: 395-401. O. 1923. no.4.
Literature cited: p. 401.

Flow. Grow.

Brown, C.W.
Gladiolus nomenclature. Flow. Grow. 10: 395. N.1923. no.11.

Dean, E.O.
Why the Hydrangea has varying colors. Flow.Grow. 10: 401. N. 1923. no.11.

Garden.

Osborn, Arthur.
The early-flowering Rhododendrons. Garden. 87: 521-523. illus. O.13, 1923 no. 2708.

Gard. Chron.

Brotherston, R.P.
Brompton Park nursery. Gard. Chron. III,74: 218. O.13, 1923. no. 1920.

Hutchinson, John.
Notes on East African plants. Gard.Chron. III,74: 219. illus. O.13, 1923. no. 1920.

Krelage, E.H.
The development of the dahlia. Gard. Chron. III,74: 221. illus. O.13, 1923. no. 1920.

Gard. Chron. America.

Fox, H. M.
Lilies for every garden. Gard. Chron. Amer. 27: 250-251, 256. illus. O. 1923. no. 10.

Gard. Mag.

Wilson, E.H.
Travel tales of a plant collector. XI. The tropics of the Old World. Gard.Mag. 38: 170-173. illus. N. 1923. no.3.

Genetica.

Bremer, G.
A cytological investigation of some species and species-hybrids of the genus Saccharum. Genetica. 5: 273-326. illus. My.-Jl. 1923. no.3/4.

Lindstrom, E.W.
Genetical research with maize. Genetica. 5: 327-356. My.-Jl. 1923. no.3/4.
Bibliography: p. 353-356.

Mol, W. E. de.
Duplication of generative nuclei by means of physiological stimuli and its significance. Genetica. 5: 225-272. pl. i-vi. My.-Jl. 1923. no.3/4.
List of literature: p. 268-270.

Lotsy, J. P. & Kuiper, K.
A preliminary statement of the results of Mr. Houwink's experiments concerning the origin of some domestic animals IV. p. 357-373. pl. vii-viii.

Hacienda.

Garner, W.W.
Algunas enfermedades communes del tabaco. Hacienda. 18: 344-346. illus. N. 1923. no.11.

Taylor, W.A.
Las enfermedades del algodón. Propagación-caracteres sintomáticos - proceso evolutivo - medidas preventivas y represivas. Hacienda. 18: 333-342. illus. N. 1923. no.11.

Wester, P. J.
El cultivo y explotación racional del mango. II. Hacienda. 18: 329-332. illus. N. 1923. no. 11.

Hawaiian For. & Agr.

Judd, C.S.
The Macadamia nut. Hawaiian For. & Agr. 20: 86-87. pl. Jl.-S. 1923. no.3.

Illinois Agr.

Carney, S. S.
Some new legumes. Illinois Agr. v.28, p. 9-10. 23-24. illus. O. 1923. no.1.

Intern. Rev. Sci. & Pract. Agr.

Güssow, H.T.
The aims and organization of the plant pathological service Dominion of Canada. Int. Rev. Sci. & Pract. Agr. 1: 595-599. Jl.-S. 1923. no.3.

LoPriore, Giuseppe.
The "ink disease" of the chestnut. Int. Rev. Sci. & Pract. Agr. 1: 600-607. Jl.-S. 1923. no.3.

Intern. Sugar Journ.

Barber, C.A.
Root disease of the cane in Barbados. Intern. Sugar Journ. 25; 514-518. O. 1923. no. 298.

Journ. Agr. Res.

Dodge, B. O.
Systematic infections of Rubus with the orange-rusts. Journ. Agr. Res. 25: 209-242. pl. 1-7. Ag.4, 1923 (N.1, 1923) no.5.
Literature cited: p. 242.

Gilbert, A.H.
Correlation of foliage degeneration diseases of the Irish potato with variations of the tuber and sprout. Journ. Agr. Res. 25: 255-266. pl. 1-6. Ag.11, 1923 (N.1, 1923) no.6.
Literature cited: p. 265-266.

Jones, C.P.
Dtermination of sulphur compounds in dry lime-sulphur. Journ. Agr. Res. 25:323-336. Ag.18, 1923 (N.1, 1923) no. 7.
Literature cited: p. 336.

Kempton, J.H.
Inheritance of dwarfing in maize. Journ. Agr. Res. 25: 297-321. pl. 1-5. Ag.18, 1923. (N. 1923) no. 7.
Literature cited: p. 320-321.

Journ. Agr. Res. (cont.)

Mains, E.B.
Resistance in rye to leaf rust, Puccinia dispersa Erikss. Journ. Agr. Res. 25: 243-252. pl. 1-2. Ag.4, 1923. (N.1, 1923)
Literature cited: p. 251-252.

Reinking, O. A.
Comparative study of Phytophthora faberi on coconut and cacao in the Philippine Islands. Journ. Agr. Res. 25: 267-284. pl. 1-12. Ag.11, 1923. (N.1, 1923) no. 6.
Literature cited: p. 284.
"Coconut budrot and the blackrot and canker of cacao are caused by the same species of Phycomycete, Phytophthora faberi Maubl."

Rosen, H.R. & Elliott, J.A.
Pathogenicity of Ophiobolus cariceti in its relationship to weakened plants. Journ. Agr. Res. 25: 351-358. pl. 1-5. Ag.25, 1923. (N.1, 1923) no.8.

Journ. Helminth.

Goodey, T.
A review of the plant parasitic members of the genus Aphelenchus. Journ. Helminth. 1: 144-156. S. 1923. no.4.
References: p. 156.

Journ. Hort. Soc. N.Y.

McFarland, J.H.
The rose in America. Journ. Hort. Soc. N.Y. 3: 486-488. F. 1923. (Rec'd O. 1923) no. 9.

Wilson, E.H.
Flowers of South Africa. Journ. Hort. Soc. N.Y. 3: 519-525. My. 1923. (Rec.O.1923)

Journ. & Proc. Roy. Soc. West.Austr.

Gardner, C.A.
Contributions to the flora of Western Australia. no.1-2. Journ. & Proc. Roy. Soc. Western Australia. v.9, pt. 1. p. 34-43. 1923.
Ericopsis gen.nov. E. formosus.

Journ. Roy. Hort. Soc.

Bowles, E.A.
Autumn crocuses. Journ. Roy. Hort. Soc. 48: 161-167. plates. S. 1923. no. 2/3.

Bunyard, E.A.
Some early Italian gardening books. Journ. Roy. Hort. Soc. 48: 177-187. plates. S. 1923. no.2/3.
Bibliography of early Italian gardening books: p. 185-187.
List of pollen grains shown on fig. 37: p. 187.

Maxwell, Herbert.
Some hardy bulbs. Journ. Roy. Hort. Soc. 48: 213-222. S. 1923. no.2/3.

Rohde, E.S.
Anglo-Saxon plant-lore. Journ. Roy. Hort. Soc. 48: 168-176. S. 1923. no.2/3.

Ward, F.K.
The flora of the Tibetan marches. Journ. Roy. Hort. Soc. 48: 201-212. plates. S. 1923. no.2/3.

Journ. Soc. Agr. & For. Sapporo.

Maekawa, T.

On the flowering habit and the adaptation of the vegetative reproduction to the habitat in Chrysanthemum littorale Maekawa. Journ. Soc. Agr. & For. Sapporo. 14: 333-348. plates. My. 1923. no. 63.

In Japanese.

Journ. Was. Acad. Sci.

Pittier, Henri.

New or little known Melastomataceae from Venezuela and Panama. Journ. Wash. Acad. Sci. 13: 384-392. O.19, 1923. no. 17.

Madroño.

Elwes, H.J., 1846-1922.

The snow plant of California. Madroño. 1: 131-132. O. 1923. no. 8.

Fry, Walter.

Yucca whipplei in the Sierra foothills. Madroño. 1: 131. O. 1923. no. 8.

Jepson, W.L.

A revision of Californian umbelliferae.III. Madroño. 1: 133-146. illus. O. 1923. no.8.

Yeomans, F.C.

Umbellularia californica in Lake County. Madroño. 1: 132. O. 1923. no.8.

Meded. Landbouwhoogesch. Wageningen.

Atanasoff, Dimitar.

Fusarium blight of the cereal crops. Meded. Landbouwhoogesch. Wageningen. v.27, no.4. 132 p. pl.i-vi. 1923.

Literature cited: p. 102-121.

Dutch abstract: p. 122-130.

Suringar, J. V.

De wetenschappelijke namen onzer houtgewassen. Volgens de jongste internationale regels der nomenclatuur. Meded. Landbouwhoogesch. Wageningen. v.27, no.5. 35 p. 1923.

Nature Mag.

Brownell, L.W.

The shagbark hickory. Nature Mag. 2: 296-298. illus. N. 1923. no.5.

Nederl. Kruidk. Arch.

Danser, B. H.

De Nederlandsche Rumex-bastaarden. Nederl. Kruidk. Arch. 1922. p. 175-210. 1923.

Door mij geraadpleegde, tevens geciteerde literatuur: p. 209-210.

Van Soest, J. L.

Flora van Arnhem. I. Nederl. Kruidk. Arch. 1922. p. 65-96. 1923.

Vuyck, Laurens.

Over de betrekkingen tusschen bloemen en hommels in Nederland. Nederl. Kruidk. Arch. 1922. p. 97-148. 1923.

New Jersey Agr.

Poole, R. F.
Diseases of sweet potatoes in storage. Disinfection and selection important. New Jersey Agr. v.5, no. 10. p. 4-5. illus. O. 1923.

New Phytol.

Clements, F. E.
Content, methods and measurements in the teaching of elementary botany. New Phytol. 22: 191-203. S. 1923. no. 4.

Pearsall, W. H. & Priestley, J. H.
Meristematic tissues and protein iso-electric points. New Phytol. 22: 185-191. S. 1923. no. 4.

Soal, C. W.
Variation as an organic function. New Phytol. 22: 161-185. S. 1923. no. 4.

Stiles, Walter.
Permeability. New Phytol. 22: 204-224. S. 1923. no. 4.

Norsk Havetid.

Høeg, O. A.
Vildvin. Norsk Havetid. 39: 222-233. illus. O.1, 1923. no. 15/16.

Philipp. Journ. Sci.

West, A. P. & Cruz, C.C.
The composition of Cashew-nut oil. Philipp. Journ. Sci. 23: 337-344. O. 1923. no. 4.

Phytopath.

Bensaude, Mathilde.
A species of Olpidium parasitic in the roots of tomato, tobacco and cabbage. Phytopath. 13: 451-454. illus. O. 1923. no. 10.

Boncquet, P. A.
Discovery of curly leaf of sugar beets in the Argentine Republic. Phytopath. 13: 458-460. O. 1923. no. 10.

Brown, J. G. & Gibson, Frederick.
A new host for Bacterium malvacearum. Phytopath. 13: 455-457. illus. O. 1923. no. 10.
Thurberia thespesioides.

Cook, M. T.
Brown rot of apple. Phytopath. 13: 462. O. 1923. no. 10.
Decay in winesaps due to either Botrytis or Sclerotinia.

Cook, M. T.
A greenhouse disease of melons. Phytopath. 13: 462-463. O. 1923. no. 10.

Graves, A. H.
The Melanconis disease of the butternut (Juglans cinerea L.) Phytopath. 13: 412-435. illus., pl. xix-xx. O. 1923. no. 10.
Literature cited: p. 434.

Phytopath. (cont.)

Hungerford, C. W.
A serious disease of wheat caused by Sclerotium rhizodes in Idaho. Phytopath. 13: 463-464. O. 1923. no. 10.

John Asbury Elliott. Phytopath. 13: 464. O. 1923. no. 10.

Malloch, Walter Scott.
The problem of breeding nematode-resistant plants. Phytopath. 13: 436-450. illus. O. 1923. no. 10.
Literature cited: p. 450.

Roberts, J.W.
Apple bitter-rot cankers in the eastern United States. Phytopath. 13: 461. O. 1923. no. 10.

Roberts, J. W.
Plum blotch. Phytopath. 13: 461-462. O. 1923. no. 10.
Mention of what is undoubtedly this disease by L.H. Bailey in his "The cultivated native plums and cherries" Cornell Agr. Exp. Stat. Bull. 38, p. 95, 1892.

Plant. Chron.

Sundararaman, S.
Fungus diseases of plantation crops. Plant. Chron. 18: 549-552, 571-572. S.15, 22, 1923. no. 37-38.

Queensl. Agr. Journ.

Wells, W.G.
Cotton cultivation in Queensland. Queensland Agr. Journ. 20: 239-267. pl. i-xii. S. 1923. no. 3.

White, C.T. & Francis, W.D.
Queensland trees, no. 24. The blue Quandong. Queensland Agr. Journ. 20: 175-177. pl. 39-40. S. 1923. no. 3.

White, C. T.
The weeds of Queensland. no. 34. A "rattle pod" (Crotalaria striata.) Queensland Agr. Journ. 20: 236-239. pl. 61. S. 1923. no. 3.

Rep. Brit. Assoc. Adv. Sci.

Dixon, H. H.
Transport of organic substances in plants. Rep. Brit. Assoc. Adv. Sci. 1922. 90: 193-203. 1923.

Scott, D. H.
The present position of the theory of descent, in relation to the early history of plants. Rep. Brit. Assoc. Adv. Sci. 1921, 89: 170-186. 1922.

Rep. Iowa State Hort. Soc.

Childs, Leroy.
The drift and development of spray practices in America. Rep. Iowa State Hort. Soc. 57: 180-195. 1923.

Rep. Iowa State Hort. Soc. (cont.)

Doolittle, S. P.
The mosaic disease of cucumbers and melons. Rep. Iowa State Hort. Soc. 57: 393-396. 1923.

Fitch, C.L.
Disease resistant cabbage. History of the work in Iowa. Rep. Iowa State Hort. Soc. 57: 383-385. pl. 1923.

Gould, H.P.
The geography of apple growing in America. Rep. Iowa State Hort. Soc. 57: 102-111. 1923.

Holland, C.S.
Recent developments in spraying. Rep. Iowa State Hort. Soc. 57: 300-304. 1923.

King, C.M.
Phenology notes for Iowa, 1922. Rep. Iowa State Hort. Soc. 57: 73-80. 1923.

Lafferty, T.W.
Greenhouse soil sterilization. Rep. Iowa State Hort. Soc. 57: 340-344. 1923.

Magness, J.R.
The handling of apples in storage. Rep. Iowa State Hort. Soc. 57: 209-226. 1923.

Maney, T.J.
Spencer Ambrose Beach. Rep. Iowa State Hort. Soc. 57: 58-62 port. [1923]

Scott, L.B.
Nursery stock investigations. Rep. Iowa State Hort. Soc. 57: 172-176. 1923.
Address before Amer. Pomological Soc.

Shannon, Harry.
The history and extent of Fusarium wilt or cabbage yellows in the Nichols-Muscatine district. Rep. Iowa State Hort. Soc. 57: 438-439. 1923.

Stuckey, H.P.
The investigational work with pears at the Georgia experimental station. Rep. Iowa State Hort. Soc. 57: 169-172. 1923.
Experiments to test resistant to blight, pineapple pear gave best results.

Rev. Agr. Com. y Trab. Cuba.

Agete, Fernando.
Seleccion del maiz. Rev. Agr. Com. y Trab. Cuba. v.5, no. 8/9. p. 36-40. illus. 1923.

Calvino, Mario.
El anhidrido carbonico y las plantas. Rev. Agr. Com. y Trab Cuba. v.5, no.8/9. pl.49-50. 1923.

Calvino, Mario.
El Empleo del suero-diagnostico para conocer si una planta tiene afinidad con otra. Rev. Agr. Com. y Trab. Cuba. v.5, no. 8/9. p. 51-52. 1923.

Una nueva enfermedad de la caña. Rev. Agr. Com. y Trab. Cuba. v.5, no. 8/9. p. 9-10. 1923.

Rev. Agr. Puerto Rico.

Ramos, R.M.

El suelo no puede ser responsible del matizado de la caña. Rev. Agr. Puerto Rico. v.11, no.3. p.13-19. S. 1923.

Literatura citado: p. 18-19.

Rev. Agr. Santo Domingo.

Negretti, A.N.

Tratamientos contra las enfermedades del cacao. Rev. Agr. Santo Domingo. 17: 188-192. Je. 1923. no. 12.

Faris, J. A.

Enfermedades de los productos de valor económico. Rev. Agr. Santo Domingo. 17: 161-168, 177-187. My.-Je. 1923. no.11-12.

Rev. Hort.

Durivault, Georges.

Le sassafras officinal. Sassafras officinalis Nees, Syn: Laurus sassafras L et Persea sassafras Spreng. Rev. Hort. 95: 485-486. illus. O.16, 1923. no.22.

Guillaumin, André.

Nouveaux hybrides de Phalaenopsis. Rev. Hort. 95: 497-499. O.16, 1923. no.22.

Leray, Charles.

Le Cornus nuttallii Audubon. Rev. Hort. 95: 497-499. illus. O.16, 1923. no.22.

Rev. Industr. y Agr. Tucumán.

Cross, W E.

Sobre una enfermedad del tomate en Lules. Rev. Industr. y Agr. Tucumán. 13: 142-144. D.1922- Ja. 1923. no. 7/8.

Disease identified by G.L. Fawcett.

Fawcett, G.L.

La transmisión del mosaico de la caña. Rev. Industr. y Agr. Tucumán. 13: 129-131. D.1922-Ja. 1923. no. 7/8.

Rev. Path. Veg. & Entom. Agr.

Blaringhem, Louis.

Notes sur la biologie des rouilles et des charbons. II. La rouille noire (Puccinia graminis Pers.), au printemps de 1923, à Bellevue (S.-et-O.), sur les blés résistants et sur leurs hybrides. Rev. Path. Veg. & Entom. Agr. 10: 225-234. Jl.-S. 1923. no.3.

Killian, Charles.

Le Polythrincium trifolii Kunze parasite du trèfle. Rev. Path. Veg. & Entom. Agr. 10: 202-219. Jl.-S. 1923. no.3.

"Le stade ascosporé ne peut appartenir au genre Phyllachora parce que les ascospores sent régulièrement bicellulaires...Je propose de supprimer le nom de Phyllachora trifolii et de le remplacer par celui de Plowrightia trifolii."

Riv. Biol.

Calvino, E.M.

Sulla differenziazione del glicogeno dalla destrina specialmente nelle ricerche di microchimica vegetale. Riv. Biol. 5: 486-496. Jl.-Ag. 1923. no. 4.

Perooti, Renato.

La "batterioriza." Riv. Biol. 5: 497-502. Jl.-Ag. 1923. no.4.

Bibliografia: p. 501-502.

Riv. Biol. (cont.)

Peyronel, Beniamino.
Prime richerche sulle micorize endotrofiche e sulla micoflora radicicola normale delle fanerogame. Riv. Biol. 5: 463-485. illus. Jl.-Ag. 1923. no.4.

Science.

The American chestnut crop. Science n.s. 58: Suppl. p. x,xii. 0.19, 1923. no.1503.

Campbell, D. H.
A remarkable development of the sporophyte in Anthoceros. Science n.s., 58: 307-308. 0.19, 1923. no. 1503.

Cannon, W.A.
The influence of the temperature of the soil on the relation of roots to oxygen. Science. 58: 331-332. 0.26, 1923. no. 1504.

Robbins, W.J.
A case of supersensitiveness to the poisonous action of the castor bean. Science. n.s.,58: 305-306. 0.19, 1923. no. 1503.

Torrey, R.E.
The significance of the "foliar ray" Science. n.s.,58: 304-305. 0.19, 1923. no. 1503.

Whitney, Milton.
The yield of wheat in England during seven centuries. Science. 58: 320-324. 0.26, 1923. no. 1504.

Succulenta.

Verbeek Wolthuys, J.J.
Zuid-Afrika. III. Succulenta. 5: 101-103. illus. 0.13, 1923. no.9/10.

Terre Vaud.

La gale commune de la pomme de terre. Terre Vaud. 15: 559-560. illus. 0.13, 1923. no.41.

Martinet, Gustave.
Maladies des céréales. Terre Vaud. 15: 556-557. illus. 0.13, 1923. no. 41.

Trav. Office Nat. Mat. Prem. Veg. France.

Perrot, Emile.
Sur la production des plantes médicinales et des plantes aromatiques en Afrique du Nord. Trav. Office Nat. Mat. Prem. Veg. France. no. 15. 8 p. Je. 1923.

Perrot, Emile.
Le thé. Origine, culture, préparation, commerce. Trav. Office Nat. Mat. Prem. Veg. France. no.14. 48 p. illus., pl. iii-vi. My. 1923.

U.S. Dept. Agr. Circ.

Clark, J.A. & Waldron, L.R.
Kota wheat. U.S. Dept. Agr. Circ. 230. 16 p. illus. Ag. 1923 (0.20, 1923)

Godfrey, G.H.
The eelworm disease; a menace to alfalfa in America. U.S.Dept. Agr. Circ. 297. 8 p. illus. O. 1923.

U.S. Dept. Agr. Circ. (cont.)

Winston, J.R., Fulton, H.R. & Bowman, J.J.
Commercial control of citrus stem-end rot. U.S. Dept. Agr. Circ.293. 10 p. O. 1923.

U.S. Dept. Agr. Farm.Bull.

Martin, J.H.
Polish and Poulard wheats. U.S. Dept. Agr. Farm Bull. 1340. 9 p. illus. Jl. 1923. (O.1923)

Vie Agr. et Rur.

Diffloth, P.
Les parasites de la betterave a sucre. Le nématode. Vie Agr. et Rur. 23: 253-256. illus. O.6, 1923. no.40.

Exper. Stat. Publ.

Mackie, W.W. & Briggs, F.N.
Fungicidal dusts for the control of bunt. California Agr. Exp. Stat. Bull. 364. p. 533-572. illus., pl. 1-3. My. 1923 (Rec'd O. 1923)
Literature cited: p. 570-571.

Brown, B.A. & Slate, W.L.
Studies on certified seed potatoes. Connecticut Agr. Exp. Stat. Bull. 114. p. 285-296. My.1923. (Rec'd O. 1923)

Doyle, L.P. & Walkey, F.L.
White snakeroot (Eupatorium urticaefolium) poisoning in livestock. Indiana Agr. Exp. Stat. Bull. 270. 15 p. illus. My. 1923 (Rec'd O. 1923)

Durrell, Lawrence.
Dry rot of corn. Iowa Agr. Exp. Stat. Res. Bull. 77. p. 347-376. illus., plates (part col.) J. 1923. (Rec'd O. 1923)
Bibliography: p. 376.

Fenton, F.A. & Hartzell, Albert.
Bionomics and control of the potato leafhopper. Iowa Agr. Exp. Stat. Res. Bull. 78. p. 379-440. illus., pl. i-iv. (part col.) Jl. 1923 (Rec'd o. 1923)
Bibliography: p. 437-440.

Balch, W. B.
House plants and their care. Kansas Agr. Exp. Stat. Circ.100. 16 p. illus. O. 1923.

Miller, E.C.
Relative water requirement of corn and sorghums. Kansas Agr. Exp. Stat. Techn. Bull. 12. 34 p. illus. O. 1923.
Literature cited: p. 34.

Ferris, E.B. & Richardson, F.B.
The Satsuma orange in South Mississippi. Mississippi Agr. Exp. Stat. Bull. no. 217. 28 p. illus. Ap. 1923 (Rec'd O. 1923)

Taubenhaus, J.J. & Killough, D.T.
Texas root rot of cotton and methods of its control. Texas Agr. Exper. Stat. Bull. 307. 98 p. illus. Ap. 1923 (Rec'd O. 1923)
References: p. 97-98.

New Books.

Bailey, L.H.
Gentes herbarum: occasional papers on the kinds of plants. IV. Various cultigens, and transfers in nomenclature. v.1, no.3. p.113-136. illus. 1923.

Britton, N.L. & Rose, J.N.
Cactaceae... vol.IV, p. 1-80. illus. Washington, Oct.9, 1923 (Carnegie Inst. Pucl. 248)

Brosch, Anton.
Der flachs in der fachliteratur. 86 p. 1922.

Dowson, V.H.W.
Dates & date cultivation of the "Iraq. pt.3. The varieties of date palms of the Shatt al "Arab. 97 p. pl. i-liii. 1923.

König, J.
Die untersuchung landwirtschaftlich und landwirtschaftlich-gewerblich wichtiger Stoffe. Ed.5. 1923.

Maiden, J.H.
The forest flora of New South Wales. v.8, pt. 3 (pt.73) 1923.

Miyabe-festschrift, or, A collection of botanical papers... 1911.

Petherbridge, F.R.
Fungoid and insect pests of the farm. Ed.2. 1923.

Poucher, W.A.
Perfumes and cosmetics. London. 1923.
Dictionary of the more important raw materials and miscellaneous bodies including pigments and dyestuffs of interest to the chemist and perfumer: p. 3-153.
The production of natural perfumes: p. 157-179.
Monographs on flower perfumes: p. 204-280.

Rydberg, P.A.
Flora of the Rocky Mountains and adjacent plains... 2d ed. New York, 1922.

Library, Bureau of Plant Industry
Current Authors Entries, 1923, no. 122.
Indexed Nov.5, - Nov. 17, 1923.

Addisonia.
Addisonia, v.8, no.3. S. 1923.
Alstroemeria aurantiaca. p. 33. col.pl.273.
Dudleya arizonica. p. 35. col.pl. 274.
Rosa palustris. p. 37-38. col.pl. 275.
Bignonia radicans. p.39-40. col.pl. 276.
Menispermum canadense. p. 41. col.pl. 277.
Swainsona galegifolia. p. 43. col.pl. 278.
Hamatocactus setispinus. p.45-46. col.pl.279.
Phlebotaenia cowellii. p.47-48. col.pl. 280.

Amer. Journ. Sci.
Clock, W.S.
Algae as limestone makers and climatic indicators.
Amer. Journ. Sci. V,6: 377-408. N. 1923. no.35.
Bibliography: p. 406-408.

Amer. Midl. Nat.
Wolf, W.
Notes on Alabama plants. Amer. Midl. Nat. 8: 104-127. pl. i-iii. Jl.-S. 1923. no. 4/5.
Cryptophila pudica, spec.nov.

Amer. Nat.
Malloch, W.S.
Experimental accuracy in fruit breeding. Amer. Nat. 57: 435-442. S.-O. 1923. no.652.
Literature cited: p. 442.

Nuttall, G.H.F.
Symbiosis in animals and plants. Amer.Nat. 57: 449-475. S.-O. 1923. no.652.

Ann. Mycol.
Petrak, Franz. & Sydow, H.
Kritisch-systematische originaluntersuchungen über pyrenomyzeten, sphaeropsideen und melanconieen. Ann. Mycol. 21: 349-384. 1923. no.5/6.

Arch. Suikerind. Ned.Indie.
Wolzogen Kühr, C.A.H. von.
Onderzoekingen aangaande de mikroflora, aanwezig in normaal en serehziek suikerriet. Arch. Suikerind. Ned.Indië. 1923. p. 321-481. plates. no.9.

Bengal Agr. Journ.
Roy, Taranath.
Notes on the identification of sugarcane. Bengall Agr. Journ. 3: 43-51. Je. 1923. no.2.

Biochem. Zeitschr.
Němec, Antonín & Kás, Václav.
Studien über die physiologische bedeutung des titans im pflanzenorganismus. Biochem. Zeitschr. 140: 583-590. illus. S. 1923. no.4/6.

Rippel, August.
Ueber die durch mangan verursachte eisenchlorose bei grünen pflanzen. Biochem. Zeitschr. 140: 315-323. S. 1923. no.4/6.

Brooklyn Bot. Gard. Rec.
Gager, C.S.
The first "botanic" garden in Brooklyn. Supplementary note. Brooklyn Bot. Gard. Rec. 12: 119-125. O. 1923. no.4.

Bryologist.

Andrews, A.L.
A new Bryum from Alberta. Bryologist. 26: 43-45. S. 1923. no.5.
Bryum brinkmanii

Holzinger, J. M.
Desmatodon arenaceus Sull. redivivus. Bryologist. 26: 48-49. S. 1923. no.5.

Holzinger, J. M.
Unusual provision for vegetative reproduction in Syrrhopodon parasiticus. Bryologist. 26: 47. S. 1923. no.5.

Williams, R.S.
Pilotrichum leoni, sp.nov. Bryologist. 26: 50-51. illus. S. 1923. no.5.

Williams, R. S.
Syrrhopodon parasiticus (SW.) Besch. in Florida. Bryologist. 26: 46. illus. S. 1923. no.5.

Bull. Gard. Club. Amer.

Lloyd, M. H. W.
Plant material in South Carolina. Bull. Gard. Club Amer. no.14. p. 41-47. N. 1923.

Marquand, E. C.
The plants of Jekyl Island. Bull. Gard. Club Amer. no.14. p. 3-7. N. 1923.

Young, R. A.
Two new starchy vegetables. Bull. Gard. Club Amer. no.14. p.11-14. N. 1923.

Bull. Imp. Inst. Gt. Brit.

Essential oil of Stirlingia latifolia from Western Australia. Bull. Imp. Inst. Gt. Brit. 21: 318-320. 1923. no.2.

Indian Artemisia as a source of santonin. Bull. Imp. Inst. Gt. Brit. 21: 316-318. 1923. no.2.

The trees of the Gold Coast. Bull. Imp. Inst. Gt. Brit. 21: 348-363. pl.i-ii. 1923. no.2.

Bull. Soc. Mycol. France.

Bataille, Frédéric.
Flore analytique et descriptive des hyménogastracées d'Europe. Bull. Soc. Mycol. France. 39: 157-196. O. 1923. no.3.
Principaux auteurs et ouvrages cités: p. 195.

Citrus Leaves.

Chace, E. M.
Production of essential oils from citrus fruits. Citrus Leaves. v.2, no.11. p.1-3. illus. N. 1923.

Compt. Rend. Acad. Agr. France.

Vilcoq, Albert.
Les pommes de terre a l'école du Chesnoy. Compt. Rend. Acad. Agr. France. 9: 726-730. O.10, 1923. no.27.

Compt. Rend. Acad. Sci. Paris.

Bridel, Marc & Delauney, Pierre.
Sur les propriétés de la loroglossine et sur ses produits de dédoublement: glucose et loroglossigénine. Compt. Rend. Acad. Sci. Paris. 177: 776-778. 0.22, 1923. no.17.

Fromageot, C.
Influence de la concentration en sels de l'eau de mer sur l'assimilation des algues vertes. Compt. Rend. Acad. Sci. Paris. 177: 779-780. 0.22, 1923. no.17.

Hunger, F. W. T.
La nature de la perle de noix de coco et sa formation. Compt. Rend. Acad. Sci. Paris. 177: 780-782. 0. 1922.
Can be considered analogous to phenomenon in animal and human pathology, the mumification or petrification of the embryo, known as lithopaedion or lithoterion respectively.

Lubimenko, Vladimir.
Influence des blessures des feuilles sur la production substance séche chez les plantes vertes. Compt. Rend. Acad. Sci. Paris. 177: 708-711. 0.15, 1923. no.16.

Souèges, René.
Embryogénie des joncacées. Développement de l'embryon chez le Luzula forsteri DC. Compt. Rend. Acad. Sci. Paris. 177: 705-708. illus. 0.15, 1923. no.16.

Country Life. London.

Bean, W. J:
Oaks. II. Deciduous. Country Life. 54: 532-534. 0.20, 1923. no.1398.

Forrest, George.
Some Meconopsis of Yunnan. I- Country Life. 54: 614-615. illus. N.3, 1923. no.1400.

Jones, A. G.
Alpines in Savoy. Country Life. 54: 578-579. illus. 0.27, 1923. no.1399.

Jones, A. G.
Bunt in wheat. Country Life. 54: 579. illus. 0.27, 1923. no.1399.

Deut. Landw. Presse.

Appel, Otto.
Rüben krankheiten. Deut. Landw. Presse. 50: 352. col.pl. 0.20, 1923. no.42.

Görbing, Johannes.
Säureschäden bei getreidearten. Deut. Landw. Presse. 50: 352-353. illus. 0.20, 1923. no.42.

Ernahr. Pflanz.

Hiltner, Erhard.
Die dörrfleckenkrankheit des hafers und ihre heilung durch mangan, zugleich ein beitrag zur kohlensäurefrage. Ernahr. Pflanz. 19: 129-132. illus. 0.15, 1923. no.20.

Floralia.

Dix, J. F. Ch.
Hollandsche iris. Floralia. 44: 655-657. illus. 0.26, 1923. no.43.

Schenk, P. J.
De iepenziekte. Floralia. 44: 659-660. 0.26, 1923. no.43.

Florida Grow.

Leaf burn. Florida Grow. v.28, no.19. p.21. N.10, 1923.

Fertilizer injury of lemons.

Fough handling causes sweet potato rotting. Florida Grow. v.28, no.19. p.50. N.10, 1923.

Stevens, H. E.

The present status of spraying and dusting for the control of citrus diseases. Florida Grow. v.28, no.19. p.16-17. illus. N.10, 1923.

Winston, J.R., Fulton, H.R., Bowman, J.J.

Commercial control of citrus stem-end rot. Florida Grow. v.28, no.18. p.6, 26. illus. N.3, 1923.

Flor. Exch.

Plant quarantines - are they salvation or a menace. Flor. Exch. 56: 1291, 1318. N.10, 1923. no.19.

The war to save our crops, by F.M. Russell; The menace of plant quarantine, by The Comm. on Plant quarantines & their administration, Merchant's assoc. N.Y.

Forstwissensch.Centralbl.

Saussenthaler, Harry.

Ueber den wilden hopfen. Forstwissensch. Centralbl. 45: 383-385. O. 1923. no.10.

Fruit Flower & Veg. Trades Journ.

Wiltshire, S. P.

Canker infection of apple trees through scab wounds. Fruit, Flow. & Veg. Trades Journ. 45: 446-447. O.20, 1923. no.16.

Fruitm.

Howard, W. L.

New varieties of California fruits. Fruitm. v.3, no.9. p. 7, 14-15. S. 1923.

Pierce, W.D.

The bearing of climatic laws on plant and animal activity. I- Fruitm. v.3, no.9. p. 9, 12-13, 16. S. 1923.

Gard Agr.

Cabane, Et.

Les maladies des arbres fruitiers dans la région d'Alais. (Supplement) Gard Agr. n.s.2: 239. O. 1923. no.10.

Garden.

Alpines and their culture. Garden. 87: 537-539. illus. O.20, 1923. no. 2709.

Canning-Wright, H.W.

Insectivorous plants. IV. Pinguiculas and Nepenthes. Garden. 87: 560. O.27, 1923. no.2710.

Irving, Walter.

Autumn-flowering crocuses. Garden. 87: 550-551. illus. O.27, 1923. no.2710.

K , A.

Ornamental vines. Garden. 87:541. illus. O.20, 1923. no.2709.

Garden (cont.)

Osborn, Arthur.
Deciduous rhododendrons. Garden. 87: 552-554. illus. O.27, 1923. no.2710.

Osborn, Arthur.
The later-flowering evergreen rhododendrons. Garden. 87: 539-540. illus. O.20, 1923. no.2709.

Gard. Chron.

Auton, W.
Late flowering shrubs. Gard. Chron. III,74: 251-252. illus. O.27, 1923. no.1922.

Krelage, E.H.
The development of the dahlia. Gard. Chron. III,74: 238, 250-251. O.20, 27, 1923. no.1921-1922.

Ward, F. K.
Mr. Kingdon Ward's seventh expedition in Asia. no.22. The gorge of the Taron. Gard. Chron. III,74: 234-235. illus. O.20, 1923. no.1921.

Gard. Illus.

Bowles, E.A.
The Farrar roses. Gard. Illus. 45: 658, 670. O.20-27, 1923.

Hints Potato Grow.N.J. Potato Grow. Assoc.

Martin, W.H.
Potato fertilizer and scab. Hints Potato Grow. N.J. Potato Assoc. v.4, no.6. p. 1-2. O. 1923. no.6.

Indian For. Rec.

Simonsen, J. L.
The constituents of some Indian essential oils. IX-X. Indian For. Rec. v.9, pt.8. 8 p. 1923.

Ital. Agr.

Morettini, Alessandro.
Le sarchiature nella coltura del frumento e le piante infeste. Ital. Agr. 60: 379-388. illus. O.15, 1923. no.10.

Journ. Agr. Res.

Gardner, M. W.
Origin and control of apple-blotch cankers. Journ. Agr. Res. 25: 403-418. pl. 1-3. S.8, 1923 (Rec'd N. 1923) no.10.
Literature cited: p. 417-418.

Hungerford, C.W. & Owens, C.E.
Specialized varieties of Puccinia glumarum, and hosts for variety tritici. Journ. Agr. Res. 25: 363-401. pl. 1-6. S. 1923.

Journ. Amer. Soc. Agron.

Newton, W.
The nutrition of the potato plant with special reference to water cultures. Journ. Amer. Soc. Agron. 15: 392-399. O. 1923. no.10.
Literature cited: p.399.

Stewart, George.
Sevier wheat. Journ. Amer. Soc. Agron. 15: 385-392. O. 1923. no.10.
Literature cited: p.392.

Journ. Assoc. Off. Agr. Chem.

Wichmann, H. J.
Report on determination of pectin in fruit and fruit products. Journ. Assoc. Off. Agr. Chem. 7: 107-112. N. 1923. no.2.

Journ. Bot.

Baker, E. G.
Heliocarpus americanus L. Journ. Bot. 61: 177. Je. 1923. no. 726.

Binstead, C. H. & Armitage, Eleonora.
Herefordshire sphagna. Journ. Bot. 61: 215-218. Ag. 1923. no. 728.

Blake, S. F.
On the type-species of Bignonia. Journ. Bot. 61: 191-193. Jl. 1923. no. 727.
Comment and reply by T. A. Sprague.

Britten, James.
A note on Primula sinensis. Journ. Bot. 61: 171-172. Je. 1923. no. 726.

Crown, W. B.
Freshwater plankton algae from Ceylon. Journ. Bot. 61: 164-171. illus. Je. 1923. no. 726.

Good, R. D'O.
Anomacanthus: a new genus of Acanthaceae. Journ. Bot. 61: 161-164. illus. Je. 1923. no. 726.
A. drupaceus.

Jackson, B. D.
The evolution of Linné's "Species plantarum." Journ. Bot. 61: 174-175. Je. 1923. no. 726.
Bibliographical notes LXXXVIII.

Lyle, Lilian.
Additions to the marine flora of the Channel islands. Journ. Bot. 61: 197-200. Jl. 1923. no. 727.

Merrill, E. D.
Sandoricum koetjape and Dendrobium caninum. Journ. Bot. 61: 172-174. Je. 1923. no. 726.
See also note by H. N. Ridley (Koetjape and sentol) p. 200.

Pugsley, H. W.
A new British Calamintha. Journ. Bot. 61: 185-191. illus. Jl. 1923. no. 727.
C. baetica.

Riley, L. A. M.
Variable aestivation of Ranunculus bulbosis and R. acer. Journ. Bot. 61: 209-212. Ag. 1923. no. 728.

Saunders, C. F.
Mimulus moschatus scentless. Journ. Bot. 61: 176. Je. 1923. no. 726.

Sprague, T. A.
Calathodes. Journ. Bot. 61: 218-219. Ag. 1923. no. 728.

Stojanoff, N. & Stefanoff, B.
A new Veronica from Bulgaria. Journ. Bot. 61: 219-220. Ag. 1923. no. 728.
V. turrilliana.

Watson, William.
William Henry Pearson, M. Sc., A.L.S. (1849-1923) Journ. Bot. 61: 194-197: Jl. 1923. no. 727.

Wilmott, A. J.
Myosotis sicula Gussone in Jersey. Journ. Bot. 61: 212-215. Ag. 1923. no. 728.

Journ. Dept. Agr. So. Africa.

Arghan fibre. Journ. Dept. Agr. So. Africa. 7: 297. O. 1923, no. 4.
Thought to be Annas macrodontes.

Dodonea thunbergiana (Bosysterhout). Journ. Dept. Agr. So. Africa. 7: 296. O. 1923. no. 4.
Supposed drug plant, of dubious value.

Phillips, E. P.
Note on a little-known poisonous plant. Journ. Dept. Agr. So. Africa. 7: 366-368. pl. O. 1923. no. 4. Lasiosiphon anthylloides

Putterill, C. A.
Plant diseases in the western Cape province. X. Some of the causes of wastage in export grapes. Journ. Dept. Agr. South Africa. 7: 332-336. illus. O. 1923. no. 4.

Journ. Hered.

Cook, O. F.
Malformations of cotton plants in Haiti. A new disease named smalling or stenosis, causing abnormal growth and sterility. Journ. Hered. 14: 323-335. illus. O. 1923. no. 7.

Demerec, M.
Germless seeds. Heritable characters in maize XV. Journ. Hered. 14: 297-300. illus. O. 1923. no. 7. (Rec'd N.)

Stanton, T. R.
Prolific and other dwarf oats. Dominant dwarfness observed in two oat crosses. Journ. Hered. 14: 301-305. illus. O. 1923. no. 7.

Journ. Indian Bot. Soc.

Agharkar, S. P.
The present position of our knowledge of the aquatic flora of India. Journ. Indian Bot. Soc. 3: 252-260. S. 1923. no. 9/10.
Bibliography: p. 258-260.

Ajrekar, S. L. & Tonapy, B. R.
A note on the life history of Uromyces aloës (Cke) P. Magn. Journ. Indian Bot. Soc. 3: 267-269. pl. S. 1923. no. 9/10.

Debbarman, P. M.
A critical note on Crotalaria madurensis W. and C. candicans W. & A. Journ. Indian Bot. Soc. 3: 292-295. S. 1923. no. 9/10.

Debbarman, P. M.
An instance of staminody and multiplication of petals, etc, in Cadaba trifoliata W. & A. Journ. Indian Bot. Soc. 3: 275-276. illus. S. 1923. no. 9/10.
Books and papers consulted: p. 276.

Debbarman, P. M.
A peculiar bulb of Allium sativum Linn. Journ. Indian Bot. Soc. 3: 296-297. pl. S. 1923. no. 9/10.
Books and papers consulted: p. 297.

Journ. Indian Bot. Soc. (cont.)

Dudgeon, Winfield.
Succession of epiphytes in the Quercus incana forest at Landour, Western Himalayas. Preliminary note. Journ. Indian Bot. Soc. 3: 270-272. S. 1923. no. 9/10.

Mehta, K. C.
On the mode of infection and perennation of the smut of "doob" (Cynodon dactylon Pers.) Journ. Indian Bot. Soc. 3: 244-251. pl. S. 1923. no. 8/10.
Literature: p.251.

Parthasarathy Iyengar, M. O.
Note on a bulbiferous cocoanut tree from Malabar. Journ. Indian Bot. Soc. 3: 289-291. pl. S. 1923. no. 9/10.
Literature: p. 290-291.

Parthasarathy Iyengar, M.O.
Two instances of short-cuts by animals to the nectaries of flowers. Journ. Indian Bot. Soc. 3: 285-288. pl.i-iii. S. 1923. no. 9/10.
Literature: p. 287.

Sabnis, T. S.
The flora of Sind. Journ. Indian Bot. Soc. 3: 277-284. S. 1923. no. 9/10.

Tirunarayana Iyengar, M. O.
On the protandry of the flowers of Aeschynanthus hookeri, Clarke. Journ. Indian Bot. Soc. 3: 273-274. pl. i-ii. S. 1923.

Journ. N. Y. Bot. Gard.

Small, J. K.
Green deserts and dead gardens. A record of exploration in Florida in the spring of 1921. Journ. N. Y. Bot. Gard. 24: 193-247. plates. O. 1923. no. 286.

Journ. Soc. Nat. Hort. France.

Mottet, Seraphim.
La disparition du rouge chez certains glaieuls nouveaux. Journ. Soc. Nat. Hort. France. IV, 24: 403-405. S. 1923.

Mottet, Seraphim.
La multiplication asexuée des glaieuls horticoles. Journ. Soc. Nat. Hort. France. IV, 24: 400-403. S. 1923.

Journ. Wash. Acad. Sci.

Cook, O. F.
Pseudophoenix insignis, a new palm from Haiti, and two other new species from the West Indies. Journ. Wash. Acad. Sci. 13: 397-408. pl. N. 4, 1923. no. 18.
Pseudophoenix insignis, P. saonae, P. linearis, sp. nov.

Louisiana Plant.

Brandes, E. W. & Klaphaak, P. J.
Growth stimulation and pest and disease control by hot-water treatment of sugar cane "seed." I- Louisiana Plant. 71: 371-372. N.10, 1923. no. 19.

Magyar Bot. Lap.

Degen, Árpád.
Megjegyzések néhány keleti növényfajról (Bemerkungen über einige orientalische pflanzenarten) Magyar Bot. Lap. 21: 64-66. 1923.
LXIII. Alectorolophus hayekii Deg. nov. spec.
LXXXIII. Carduus nutans L. f. huljakii.

Magyar Bot. Lap. (cont.)

Jávorka, Sandor.
Plantae in insula Creta a Ludovico Biró lectae. Magyar Bot. Lap. 21: 25-26. 1923.

Kümmerle, J. B.
Pteridologiai közlemények (Pteridologische mitteilungen) 4. Két új haraszt albániából. (Zwei neue farne aus Albanien) Magyar Bot. Lap. 21: 1-5. illus. 1923.
Asplenium lepidum x ruta muraria; A. csikii.

Moesz, Gusztav.
Mykologiai közlemények V. Magyar Bot. Lap. 21: 5-16. pl. i-iii. 1923. no. 1.
Phaeochora sphaerotheca (Earle) Moesz; Plectophomella visci? (Sacc.) Moesz; Pyrenopeziza lini.

Raymund, Rapaics.
Újabb adatok Debreczen növényzetének ismeretéhez (Neuere beiträge zur kenntnis der flora von Debreczen) Magyar Bot. Lap. 21: 16-17. 1923. no. 1.

Matières Grass.

Michotte, Félicien.
Les palmiers producteurs d'huiles. Matières Grass. 15: 6547-6550. O.15, 1923. no. 186.

Meded. Algemeen Proefs. A.V.R.O.S. Algemeene ser.

Maas, J.G.J.A.
Voorloopige mededeelingen betreffende de selectie van den oliepalm. Meded. Algemeen Proefs. A.V.R.O.S. Algemeene ser. 15. 47 p. illus. 1923.

Meded. Inst. Plantenz. Dep. Landb. &c. Nederl. Ind.

Gäumann, Ernst.
Onderzoekingen over de bloedziekte der bananen op Celebes. II (Investigations on the blood disease of bananas in the Celebes.II) Meded. Inst. Plantenz. Nederl. Ind. no. 59. 45 p. pl. i-ii. 1923.
Pseudomonas celebensis n.sp. ad interim.
English summary: p. 43-45.

Van der Goot, P. L.
Levensduur en opbrengst van sawah-padi in verband met ouderdom der bibit, planttijd, E.A. factoren. Meded. Inst. Plantenz. Nederl. Ind. no. 60. 51 p. 1923.
English summary: p. 35-39.

Mem. Dept. Agr. India. Bot. Ser.

Kottur, G. L.
Studies in inheritance in cotton. I. Mem. Dept. Agr. India. Bot. Ser. 12: 71-133. Ag. 1923. no. 3.
I. History of a cross between Gossypium herbaceum and Gossypium neglectum.

McRae, William.
History of the operations against bud rot of palms in South India. Mem. Dept. Agr. India. Bot. Ser. 12: 21-56. Jl. 1923. no. 2.

McRae, William.
Inoculation experiments with Phytophthora palmivora Butl. on Borassus flabellifer Linn. and Cocos nucifera Linn. Mem. Dept. Agr. India. Bot. Ser. 12: 57-70. Jl. 1923. no. 2.

Minn. Hort.

Fall plowing will reduce tomato leaf-spot or blight. Minn. Hort. 51: 334. N. 1923. no.11.

Harvey, R. B.

Conditions for heat caker and sunscald in plants. Minn. Hort. 51: 331-333. illus. N. 1923. no. 11.

Missouri Bot. Gard. Bull.

An expedition for orchids to Central and South America. Missouri Bot. Gard. Bull. 11: 97-107. pl. 25-27. O. 1923. no. 8.

Nat. Canad.

Maheux, George.

Provancher, The Canadian Linnaeus. His life and works. Nat. Canad. 50: 80-85. O. 1923. no. 4.

Nature.

Armstrong, H. E.

The occurrence of urease. Nature. 112: 620-621. O.27, 1923. no. 2817.

Nederl. Kruidk. Arch.

Cool, Catharina.

Bijdrage tot de mycologische flora van Nederland. Nederl. Kruidk. Arch. 1921. p. 114-145. 1922.

Lanser, B. H.

De nederlandsche Rumex-bastaarden. Nederl. Kruidk. Arch. 1921. p. 229-265. pl. i-ii. 1922.

Door mij geziene, tevens geciteerde literatuur: p. 264-265.

New Zeal. Journ. Agr.

Levy, E. B.

The grasslands of New Zealand. Ser. II. The Taranaki back-country. New Zeal. Journ. Agr. 27: 138-156. illus. S. 1923. no. 3.

Bibliographical foot-note.

Neill, J. C.

Stinking-smut of wheat. New Zeal. Journ. Agr. 27: 159-167. S. 1923. no. 3.

Literature consulted: p. 166-167.

I. The effect on germination of some seed-disinfectants.

Pflügers Arch. Ges. Phys.

Höber, Rudolf & Banus, M. G.

Zur theorie der sog. physiologischen permeabilität der zellen. Pflugers Arch. Ges. Phys. 201: 14-15. 1923. no.1/2.

Thomas, A. & Kapfhammer, J.

Die best immung pflanzlicher zellmembrane bei ausnutzungsversuchen. Pflügers Arch. Ges. Phys. 201: 6-13. 1923. no. 1/2.

Pharm. Journ.

Read, B. E.

Fatty oils of the chaulmoogric acid series. The comparative merits of Chaulmoogra oil, B. P., and Hydnocarpus oil, J.P. Pharm. Journ. 111: 412-414. O.20, 1923. no. 3131.

References to literature: p. 414.

Phytopath.

Abstracts of papers presented at 1st annual meeting of Inland empire section, Pacific division, American phytopathological society, Pullman, Wash., and Moscow, Idaho, Feb. 3 and 10, 1923. Phytopath. 13: 509-512. N. 1923. no. 11.

Blodgett, F. M.
Time-temperature curves for killing potato tubers by heat treatments. Phytopath. 13: 465-475. N. 1923. no. 11.
Literature cited: p.475.

Cook, M. T.
Early stages of crown gall. Phytopath. 13: 476-482. illus. N. 1923. no. 11.

Crawford, R. F.
Fungi isolated from the interior of cotton seed. Phytopath. 13: 501-503. N. 1923. no. 11.
Literature cited: p. 503.

Jones, E. S.
Taxonomy of the Sclerotinia on Helianthus annuus L. Phytopath. 13: 496-500. illus. N. 1923. no. 11.
Literature cited: p. 499-500.

LaRue, C. D.
Helminthosporium heveae in Sumatra. Phytopath. 13: 483-487. N. 1923. no. 11.

Lee, H. A.
Gum diseases of sugar cane in the Philippines. Phytopath. 13: 504. N. 1923. no. 11.

Schmitz, Henry.
Leaf cast of Larix occidentalis by Hypodermella laricis Tubeuf in north Idaho. Phytopath. 13: 505-506. illus. N. 1923. no. 11.

Tanaka, Tyôzaburô.
A brief history of citrus scab in Japan. Phytopath. 13: 492-495. N. 1923. no. 11.

Welles, C. G. & Roldan, E. F.
Another economic host of Bacterium solanacearum. Phytopath. 13: 488-491. illus. N. 1923. no. 11.
Literature cited: p. 491.

Proc. Amer. Wood Preserv. Assoc.

Humphrey, C. J.
The destruction by the fungus "Poria incrassata" of coniferous timber in storage and when used in the construction of buildings. Proc. Amer. Wood Preserv. Assoc. 19: 188-207. pl. i-iii. 1923.

Richards, C. A.
Methods of testing the relative toxicity of wood preservatives. Proc. Amer. Wood Preserv. Assoc. 19: 127-135. 1923.

Quart. Journ. For.

Dallimore, William.
The hardy walnuts. Quart. Journ. For. 17: 239-245. O. 1923. no. 4.

Rep. Brit. Assoc. Adv. Sci.

Dixon, H. H.
Transport of organic substances in plants. Rep. Brit. Assoc. Adv. Sci. 1922. 90: 193-203. 1923.

Rep. Iowa State Hort. Soc.

Doolittle, S. P.
The mosaic disease of cucumbers and melons. Rep. Iowa State Hort. Soc. 57: 393-396. 1923.

Fitch, C. L.
Disease resistant cabbage. History of the work in Iowa. Rep. Iowa State Hort. Soc. 57: 383-385. pl. 1923.

Gould, H. P.
The geography of apple growing in America. Rep. Iowa State Hort. Soc. 57: 102-111. 1923.

Rev. Bot. Appl.

C , A.
Les Dicentra, plantes toxiques pour le bétail. Rev. Bot. Appl. 3: 626-627. S.30, 1923. no.25.

Dufrenoy, Jean.
L'utilisation de l'azote de l'air par les plantes. Rev. Bot. Appl. 3: 587-593. S.30, 1923. no.25.

Kopp , A.
Ipomoea aquatica, légume vert. Rev. Bot. Appl. 3: 627. S.30, 1923. no.25.

Kopp, A.
L'Hibiscus sabdariffa, plante potagère et textile. Rev. Bot. Appl. 3: 620-624. S.30, 1923. no.25.

Uphof, J.C.T.
La culture du mangier dans le sud de la Floride. Rev. Bot. Appl. 3: 624-626. S.30, 1923. no.25.

Rev. Eaux et For.

Doé, Fr.
L'oïdium et le traitement des forêts feuillues du nord-est de la France. Rev. Eaux et For. 61: 429-436. O. 1923. no.10.

Rev. Gén. Bot.

Carpentier, A.
Revue des travaux de paléontologie végétale publiés dans les cours des années 1910-1919. 2. pt. Mésozoïque. Rev. Gén. Bot. 35: 421-432, 472-477. Ag.-S.1923. no. 416-417.

Chauveaud, Gustave.
Dans le monde des plantes vasculaires le type unicotylé serait en voie d'acquérir la prépondérance. Rev. Gén. Bot. 35: 440-454. S. 1923. no. 417.

Choux, Pierre.
Revue des travaux de botanique tropicale et subtropicale. (1910-1919) Rev. Gén. Bot. 35: 416-420, 465-471. Ag.-S. 1923. no. 416-417.
Les plantes textiles.

Jacob de Cordemoy, Hubert.
Contribution a l'étude de la morphologie, de l'anatomie comparée, de la phylogénie et de la biogéographie des casuarinacées. Rev. Gén. Bot. 35: 399-415. Ag. 1923. no. 416.
Bibliographie: p. 414-415.

Rev. Gén. Bot. (cont.)

Litardière, René de.
Les anomalies de la caryocinèse somatique chez le Spinacia oleracea L. Rev. Gén. Bot. 35: 369-381. pl. 8-9. Ag. 1923. no. 416.

Téodoresco, E. C.
L'athermanéité des essences végétales et la transpiration. Rev. Gén. Bot. 35: 382-398, 455-464. illus. Ag.-S. 1923.

Rev. Hist. Nat. Appl. Pt. I.

Chevalier, Auguste.
Les chénopodes cultivès propiétés, usages, culture, avenir colonial. Le chónopode a essence vermifuge ou thé du Mexique (Chenopodium ambrosioides L.) Rev. Hist. Nat. Appl. Pt.I. 4: 58-64. F. 1923. no.2.

Rev. Hort. Algérie.

Répertoire des plantes médicinales de l'Afrique du Nord. Rev. Hort. Algerie. 27: 169-179. O.1923. no.8.

Rev. Vitic.

Kuhlmann, Eugene.
L'Hybridation de la vigne et la creation d'hybrides producteurs directs. Rev. Vitic. 59: 253-260. O.18, 1923. no. 1520.

Rhodora.

Ashe, W. W.
Notes on trees and shrubs of the Southeastern United States. Rhodora. 25: 179-183. O. 1923. no. 298.
Quercus caput-rivuli, Carya ovalis mollis, Robinia speciosa, R.pallida, R. fertilis.

Fernald, M. L.
The American variety of Scheuchzeria palustris. Rhodora. 25: 177-179. O. 1923. no. 298.

Long, Bayard.
Naturalized occurrence of Prunus padus in America. Rhodora. 25: 169-177. O. 1923. no. 298.

New England Botanical club.
Reports on the flora of the Boston district. XLI. Rhodora. 25: 185-187. O. 1923. no. 298.

Parlin, J. C.
Selaginella apoda in Maine. Rhodora. 25: 188. O. 1923. no. 298.

Svenson, H. K.
Plant notes from Squam Lake, New Hampshire. Rhodora. 25: 183-185. O. 1923. no. 298.

Scient. Agr.

Eastham, J. W.
Some potato disease problems in British Columbia. Scient. Agr. 4: 89-94. N. 1923. no.3.

Soil Sci.

Hoagland, D. R.
The absorption of ions by plants. Soil Sci. 16: 225-246. O. 1923. no.4.
References: p. 245-246.

Soil Sci. (Cont.)

McGeorge, W. T.
The chlorosis of pineapple plants grown on manganiferous soils. Soil Sci. 16: 269-274. O. 1923. no. 4.
References: p. 274.

Waksman, Selman A. & Starkey, R. L.
Partial sterilization of soil, microbiological activities and soil fertility. II. Soil Sci. 16: 247-268. O. 1923. no. 4.
References: p. 268.

Staz. Sper. Agr. Ital.

Ciferri, R.
Un nuovo saccaromicete del fico d'India. Staz. Sper. Agr. Ital. 56: 237-243. 1923. no.4/6.
Bibliografia: p. 242-243.
Zygosaccharomyces opuntiae n.sp.

Draghetti, Alfonso.
Anomalie fogliari in Medicago sativa L. Staz. Sper. Agr. Ital. 56: 153-177. pl. iii-iv. 1923. no.4/6.

LoPriore, Giuseppe.
Le basse temperature in rapporto alla germinazione dei semi di Cuscuta. Staz. Sper. Agr. Ital. 56: 271-276. 1923. no.4/6.
Lavori citati: p. 276.

Tropenpfl.

Paravicini, Eugen.
Die kartoffelkultur in Niederländisch-Ostindien. Tropenpfl. 26: 123-126. Ag.-D. 1923. no.4.
Krankheiten: p. 125-126.

Uphof, J. C. T.
Der avocado in Süd-Florida. Tropenpfl. 26: 118-123. Ag.-D. 1923. no. 4.
Pilzkrankheiten: p. 122-123.

Wunder, B.
Baumwollbau und züchtung in Deutsch-Ostafrika. Tropenpfl. 26: 111-118. Ag.-D. 1923. no.4.

U. S. Dept. Agr. Bull.

Davis, R. L.
Flax-stem anatomy in relation to retting. U.S. Dept. Agr. Bull. 1185. 26 p. illus. O. 1923.
Bibliographical foot-notes.

Godfrey, G. H.
Root-knot: its cause and control. U.S. Dept. Agr. Farm. Bull. 1345. 26 p. illus. O. 1923.
A revision & extension of Farm. Bull. 648, "The control of root-knot." by Ernst A. Bessey and L. P. Byars.

Kearney, T. H.
Segregation and correlation of characters in an Upland-Egyptian cotton hybrid. U.S. Dept. Agr. Bull. 1164. 57 p. pl. i-xxi. Ag. 1923.
Literature cited: p. 56-57.

Morrison, B. Y.
Chrysanthemums for the home. U.S. Dept. Agr. Farm.Bull. 1311. 16 p. illus. No. 1923.

Zeitschr. Bot.

Huber, Bruno.
Transpiration in verschiedener stammhöhe. I- Zeitschr. Bot. 15: 465-501. 1923. no. 9.
Literatur: p. 500-501.
I. Sequoia gigantea.

Schweizer, Georg.
Ein beitrag zur entwicklungsgeschichte und biologie von Ascobolus citrinus nov. spec. Zeitschr. Bot. 15: 529-556. illus. 1923. no. 10.
Literaturverzeichnis: p. 555-556.

Zeitschr. Pflanzenkr.

Burk.

Zur steinbrandbekämpfung des weizens. Zeitschr. Pflanzenkr. 33: 193-240. 1923. no. 5/6.

Exper. Stat. Publ.

Georgeson, C. C.

Production of improved hardy strawberries for Alaska. Alaska Agr. Exp. Stat. Bull. no.4. 13 p. pl. i-x. O. 1923.

Batchelor, L. D. & Reed, H. S.

The seasonal variation of the soil moisture in a walnut grove in relation to the hygroscopic coefficient. California Agr. Exp. Stat. Techn. Paper. no.10. 31 p. S. 1923 (Rec'd N. 1923)

Literature cited: p. 31.

Hibbard, P.L.

Experiments on the reclamation of alkali soils by leaching with water and gypsum. California Agr. Exp. Stat. Techn. Paper. no. 9. 14 p. Ag. 1923 (Rec'd N. 1923)

Literature cited: p.14.

Hoagland, Dennis & Martin, J. C.

Effect of salts on the intake of inorganic elements and on the buffer system of the plant. California Agr. Exp. Stat. Techn. Paper. no. 8. 26 p. Jl. 1923. (Rec'd N.1923)

Literature cited: p. 26.

Reed, H. S. & Haas, A. R. C.

Studies on the effects of sodium, potassium, and calcium on young orange trees. California Agr. Exp. Stat. Techn. Paper. no. 11. 32 p. pl. 1-5. O. 1923.

Literature cited: p. 22-23.

Chung, H. L.

The sweet potato in Hawaii. Hawaii Agr. Exp. Stat. Bull. 50. 20 p. pl. i-iv. 1923.

Fungus diseases and means of controlling them; p. 13-15.

Martin, W. H.

Late blight of potatoes and the weather. New Jersey Agr. Exp. Stat. Bull. 384. 23 p. Ap. 1923. (Rec'd O. 1923)

References: p. 22-23.

Martin, W. H.

Ten years of potato spraying in New Jersey. New Jersey Agr. Exp. Stat. Bull. 383. 32 p. Ap. 1923 (Rec'd N. 1923)

Young, W. J.

Clover root rots and powdery mildew. Ohio Agr. Exp. Stat. Mo. Bull. 8: 157-160. illus. S.-O. 1923. no.9/10.

New Books.

Ascherson & Graebner.
Synopsis der Mittelsuropäischen flora lfg. 107 (bd.V,pt.2, bog.31-35) Caryophyllaceae (Dianthae); Ranales (Nymphaeceae - Ranunuculaceae) Leipzig. 1923.

Bernard, Noel.
Principes de biologie végétale. Paris, 1921.

Berry, E. W.
Tree ancestors. Baltimore, Wilkins & Wilkins Co., 1923.

Godfrey, G. H.
The stem and bulb infesting nematode, Tylenchus dipsaci, in the Pacific Coast states [Washington, D.C.] Sept.29, 1923.
15 p.
Abstract of paper presented at Federal Hort. Bd. hearing, O.2, 1923.
Mimeographed publication.

Kirchner, Oskar.
Lebensgeschichte der blütenpflanzen Mitteleuropas lfg. 23/24 (v.4, abt.1, p. 1-164: Ericaceae bearb. von A.Y. Grevillius und O. Kirchner) Stuttgart, 1923.
Wichtigste spezielle literatur: p. 1-10.

Macself, A. J.
Delphiniums and how to excel with them. London, 1923.
Fungus diseases: p. 23.

Maiden, J.H.
Forest flora of New South Wales. no.73 (v.8,pt.3) 1923.

Mattoon, W.R. & Rosenkrans, D.B.
Common forest trees of South Carolina. How to know them. 72 p. illus. 1923.

Merrill, E.D.
An enumeration of Philippine flowering plants. Manila, 1922-23.
v.1,-v.2, fasc.3.

Mourre, Charles
La lavande francaise. Paris, 1923
Les maladies: p. 87-92.

Rosenthaler, Leopold.
Grundzüge der chemischen pflanzenuntersuchung. 2.verb. u. verm. aufl. Berlin, J. Springer, 1923.

Sartory, A. & Maire, L.
Compendium hymenomycetum. Amanita. Fasc.11-14. 1923.

Swart, N.I. & Rutgers, A.A.L. ed.
Handbook voor der rubber cultuur in Nederlandsch-Indië. Amsterdam, J.H. de Bussy, 1921.
Ziekten en plagen en hare bestrijding: p. 158-229.

Transeau, E. N.
General botany. Yokners, World book Co., 1923 (New world science series)

White, C. T.
An elementary text-book of Australian forest botany. vol.1. Sydney, 1922.

Wilson, A.D. & Warburton, C.W.
Field crops. Revised. 1923.
Grain crops - Forage crops - Miscellaneous.
Sections on diseases under each crop treated.

Translations
available in the Bur. of Plant Industry Library.

Fischer, Wilhelm.
Zur frage der kalkempfindlichkeit unserer kulturpflanzen und ihrer behebung durch kali (A contribution to the problem of the sensitivity to lime of our agricultural plants and its inhibition by potassium.) Landw. Jahrb. 58: 1-53. Ja. 1923.

Marchal, Emile.
Recherches sur la rouille des céréales; résultats d'une enquête sur la rouille des céréales en Belgique (Research on the rust of the cereals...) Bull. Agr. Belg. 19: 114-153. 1903.

Library, Bureau of Plant Industry
Current Authors Entries, 1923, no. 123.
Index Nov. 19 - Dec. 1, 1923.

Agricultor.

Edible lichens as food for men and animals. Agricultor. v.10, no. 18. p. 6-7. (English section) N.15, 1923.

Agr. Gaz. N.S.W.

Blakely, W. F.

Weeds of New South Wales. Flixweed (Sisymbrium sophia L.) Agr. Gaz. New South Wales. 34: 743-745. illus. O. 1923. no.10.

Amer. Bot.

Amphichromy in four-o'clock. Amer. Bot. 29: 164-165. N. 1923. no.4.

Aster laevis. Amer. Bot. 29: 166-167. N. 1923. no. 4.

Bidens tricohosperma. Amer. Bot. 29: 160. N. 1923. no. 4.

Clute, W. N.

Our native phloxes. Amer. Bot. 29: 137-138. pl. N. 1923. no.4.

Clute, W. N.

Plant names and their meanings XVII. Cruciferae II. Amer. Bot. 29: 149-156. N. 1923. no. 4.

Diddell, M. W.

Botanizing in south-east Georgia. Amer. Bot. 29: 138-142. N. 1923. no. 4.

Fitzpatrick, T. J.

The arborescent flora of midwest farmsteads. Amer. Bot. 29: 142-149. N. 1923. no. 4.

Lonicera tatarica speciosa. Amer. Bot. 29: 166. N. 1923. no. 4.

Nectaries of toad lily. Amer. Bot. 29: 161. N. 1923. no. 4.

Purslane with double flowers. Amer. Bot. 29: 168-169. N. 1923. no. 4.

Quack grass. Amer. Bot. 29: 167-168. N. 1923. no. 4.

Symbiosis in the Rubiaceae. Amer. Bot. 29: 161-162. N. 1923. no. 4.

Amer. Journ. Bot.

Bailey, I. W.

The cambium and its derivative tissues. IV. The increase in girth of the cambium. Amer. Journ. Bot. 10: 499-509. pl. xxxvi. N. 1923. no. 9.
Literature cited: p. 508.

Davis, B. M.

Pollen and seed-sterility in hybrids. Amer. Journ. Bot. 10: 462-467. N. 1923. no. 9.
Bibliographical foot-note.

Amer. Journ. Bot. (cont.)

Dorsey, M. J.
Sterility in relation to horticulture. Amer. Journ. Bot. 10: 474-484. N. 1923. no. 9.
Literature cited: p. 483-484.

East, E. M.
Genetical aspects of self and cross-sterility. Amer. Journ. Bot. 10: 468-473. N. 1923. no. 9.

Hitchcock, A. S.
Type species of the first 100 genera of Linnaeus' Species plantarum. Amer. Journ. Bot. 10: 510-514. N. 1923. no. 9.

Rydberg, P. A.
Genera of North American Fabaceae. I - Amer. Journ. Bot. 10: 485-498. pl. xxxiii-xxxv. N. 1923. no. 9.
I. Tribe galegeae.

Stout, A. B.
The physiology of incompatibilities. Amer. Journ. Bot. 10: 459-461. N. 1923. no. 9.

Ann. Accad. Agr. Torino.

Crivelli, E.
Il solfato di rame come anticrittogamico e funghicida. Ann. Accad. Agr. Torino. v.65, p. 23-48. 1923.

Negri, Giovanni.
Il "Prunus brigantiaca" Vill. nell'alta Valle di Susa. Ann. Accad. Agr. Torino. v.65, p. 83-135. 1923.

Voglino, Piero.
I funghi parassiti più dannosi alle piante coltivate nella provincia di Torino e regioni vicine nel 1921. Ann. Accad. Agr. Torino. 65: 53-64. 1923.

Vignolo-Lutati, Ferdinando.
La "Caesalpinia sappan" L. per l'industria della concia. Ann. Accad. Agr. Torino. v. 65. p. 13-22. illus. 1923.

Ann. Bot.

Browne, I. M. P.
Anomalous traces in the cone of Equisetum maximum, Lam. Ann. Bot. 37: 595-604. O. 1923. no. 148.
Literature cited: p. 604.

Fritsch, F. E. & Haines, F. M.
The moisture relations of terrestrial algae. II. The changes during exposure to drought and treatment with hypertonic solutions. Ann. Bot. 37: 683-728. O. 1923. no. 148.
Literature cited: p. 728.

Gates, R. R.
The chromosomes of a triploid Oenothera hybrid. Ann. Bot. 37: 565-569. pl. xii. O. 1923. no. 148.
Literature cited: p. 569.

Ann. Bot. (cont.)

Gates, R. R.
The trisomic mutations of Oenothera. Ann. Bot. 37: 543-563. pl. xl. O. 1923. no. 148.
Literature cited: p. 562-563.

Holdon, H. S. & Bexon, Dorothy.
On the seedling structure of Acer pseudoplatanus. Ann. Bot. 37: 571-594. illus. O. 1923. no. 148.
Bibliography: p. 594.

Jones, S. G.
Life-history of Rhytisma acerinum (Preliminary account) Ann. Bot. 37: 731-732. O. 1923. no. 148.

Warington, Katherine.
The effect of boric acid and borax on the broad bean and certain other plants. Ann. Bot. 37: 629-672. illus., pl. xiii. O. 1923. no. 148.
Bibliography: p. 670-671.

Willis, J. C.
The origin of species by large, rather than by gradual, change, and by Gupp's method of differentiation. Ann. Bot. 37: 605-628. O. 1923. no. 148.
Literature cited: p. 628.

Ann. Inst. Nat. Agron.

Lindet, Léon. & Nottin, P.
Evolution des grains de fécule dans le tubercule de pomme de terre. Ann. Inst. Nat. Agron. 17: 25-54. illus. 1923.

Ann. Mus. Colon. Marseille.

Chermezon, Henri.
Revision des Cypéracées de Madagascar. II. Ann. Mus. Colon. Marseille. v. 30 (III, 10) fasc. 1. p.1-62. 1922 (Rec'd N. 1923)

Jumelle, Henri.
Les Aponogeton malgaches. Ann. Mus. Colon. Marseille. v. 30 (III, 10) fasc. 2. p. 5-14. 1922. (Rec'd N. 1923)

Jumelle, Henri.
Catalogue descriptif des collections botaniques du Musée Colonial de Marseille: Afrique équatoriale française. Ann. Mus. Colon. Marseille. v.31 (IV, 1) fasc. 1. 80 p. 1923.

Jumelle, Henri.
Les Chrysalidocarpus, palmiers de Madagascar. Ann. Mus. Colon. Marseille. v. 30 (III, 10) fasc. 3. 32 p. 1922 (Rec'd N. 1923)

Jumelle, Henri.
Le Cycas thouarsii. Ann. Mus. Colon. Marseille. v. 30 (III, 10) fasc. 2. p. 15-16. 1922. (Rec'd N. 1923)

Stone, Herbert.
Les bois utiles de la Guyane française. III. Ann. Mus. Colon. Marseille. v. 28 (III, 8) fasc. 2 p. 1-98. 1922. (Concl.) (Rec'd N. 1923)

Biol. Bull.

Schrader, Franz.
The origin of the Mycetocytes in Pseudococcus.
Bio. Bull. 45: 279-302. pl. i-iii. D. 1923.
no. 6.
References: p. 295-296.

Bol. Soc. Nac. Agr. Chile.

Canu, G.
Oidium y azufre. Bol. Soc. Nac. Agr. Chile,
54: 620-624. O. 1923. no. 10.

Bot. Arch.

Spirgatis, Paul.
Untersuchunger über den wachstumsfaktor kohlensäure. Bot. Arch. 4: 381-403. N. 1923.
Literatur-verweise: p. 403.

Ruppert, Joseph.
Ophrys fuciflora x muscifera. Bot. Arch.
4: 405-412. illus. N. 1923. no. 5.

Bot.Jahrb. Engl.

Engler, Adolf.
Zustimmende bemerkungen zu Herrn Elmer D. Merrills. Abhandlung über die pflanzengeographische scheidung von Formosa und den Philippinen. Bot. Jahrb. Engler.
58: 605-606. 1923. no. 5.

Ihering, Hermann von.
Der periodische blattwechsel der bäume im tropischen und subtropischen Südamerika. Bot. Jahrb.
Engler. 58: 524-598. 1923. no. 5.

Lauterbach, C.
Beiträge zur flora von Papuasien. X. Bot. Jahrb.
Engler. 58: 449-495. 1923. no. 5.
87. O. Beccari. Neueu palmen Papuasiens. II. (cont.)
88. K. Krause. Die sapotaceen Papuasiens.
89. Otto Chr. Schmidt. Neue aristolochiaceen Papuasiens.
90. O. Schewe. Neue Cinnamomum-arten aus Neu-Guinea.

Merrill, E. D.
Die pflanzengeographische scheidung von Formosa und den Philippinen. Bot. Jahrb. Engler. 58:
599-604. 1923. no. 5.

Regel, Constantin.
Associationen und assoziationskomplexe der Kola Lappmark. Bot. Jahrb. Engler. 58: 607-635,
1923. no. 5.
Literatur: p. 634-635.

Bull. Ontario Dept. Agr.

Fulmer, H. L.
Insecticides and fungicides. Bull. Ontario
Dept. Agr. 302. 48 p. illus. S. 1923 (Rec'd
N. 1923.)

Bull. Sultanic Agr. Soc. Techn. Section.

Forbes, R. H.
Plant introductions. Bull. Sultanic Agr. Soc.
Techn. Section. no.10. 64 p. pl. iii-vi. 1923.

Bull. Torrey Club.

Goldstein, Bessie.
Resting spores of Empusa muscae. Bull. Torr. Bot. Club. 50: 317-327. pl. 19. O. 1923. no. 10.
Bibliography: p. 326-327.

Pickett, F. L.
An ecological study of Cheilanthes gracillima. Bull. Torr. Bot. Club. 50: 329-338. illus. O. 1923. no. 10.

Il Coltiv.

Gabotto, Luigi.
Le macchie ocracee del pioppo canadese. Il Coltiv. 69: 369-371. illus. O.30, 1923. no.30.

Compt. Rend. Acad. Agr. France.

Miège, Emile.
Sur les essais de culture de pyrèthre effectués au Maroc. Compt. Rend. Acad. Agr. France. 9: 780-784. O.31, 1923. no. 30.

Compt. Rend. Acad. Sci. Paris.

Beauverie, Jean.
La rouille jaune du blé (Puccinia glumarum) en 1923. Compt. Rend. Acad. Sci. Paris. 177: 969-971. N. 12, 1923. no. 20.

Colin, Henri, & Belval, H.
Les lévulosanes dans les céréales. Compt. Rend. Acad. Sci. Paris. 177: 973-975. N.12, 1923. no.20.

Costantin, Julien. & Dufour, L.
Une maladie secondarie du chêne causée par le Polyporus (Phellinus) rubriporus. Compt. Rend. Acad. Sci. Paris. 177: 806-809. O.29, 1923. no. 18.

Costantin, Julien.
Sur la récolte et la culture des Pleurotus d'eryngium. Compt. Rend. Acad. Sci. Paris. 177: 921-925. illus. N.12, 1923. no.20.

Costantin, Julien.
Sur le pleurote du chardon bleu de la Vanoise. Compt. Rend. Acad. Sci. Paris. 177: 849-852. N. 5, 1923. no. 19.

Coupin, Henri.
Le gonflement des graines et la pression osmotique du milieu. Compt. Rend. Acad. Sci. Paris. 177: 971-972. N. 12, 1923. no. 20.

Daniel, Lucien, & Ripert, Jean.
Recherches sur les variations du chimisme chez les plantes greffées. Compt. Rend. Acad. Sci. Paris. 177: 894-895. N. 5, 1923. no. 19.

Dauvergne, J. & Weil, L.
Sur la culture des plantes en milieu liquide stérile. Compt. Rend. Acad. Sci. Paris. 177: 889-892. N.5, 1923. no. 19.

Dauvergne, J. & Weil, L.
Sur un procédé de bouturage en milieu liquide stérile. Compt. Rend. Acad. Sci. Paris. 177: 967-968. N. 12, 1923. no.20.

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

Fromageot, C.
L'assimilation chez les cellules vertes et la structure du protoplasma. Compt. Rend. Acad. Sci. Paris. 177: 892-894. N.5, 1923. no.19.

Lubimenko, Vladimir. & Fichtenholz, S.
Contribution à l'étude du rôle physiologique de la nervation des feuilles. Compt. Rend. Acad. Sci. Paris. 177: 833-836. O.29, 1923. no. 18.

Maige, Albert.
Métabolisme des sucres dans la cellule et amylogénèse. Compt. Rend. Acad. Sci. Paris. 177: 895-898. N.5, 1923. no.19.

Souèges, René.
Embryogenie des plantagacées. Développement de l'embryon chez le Plantago lanceolata L. Compt. Rend. Acad. Sci. Paris. 177: 964-967. illus. N.12, 1923. no.20.

Terroine, E.F., Bonnet, R. & Joëssel, P. H.
Composition des graines et rendement énergétique dans la germination. Compt. Rend. Acad. Sci. Paris. 177: 900-903. N.5, 1923. no.19.

Wolff, Jules.
Conditions favorables ou nuisibles à la germination des semences d'orchidées et au développement des plantules. Compt. Rend. Acad. Sci. Paris. 177: 888-889. n.5, 1923. no.19.

Compt. Rend. Soc. Biol. Paris.

Guillaume, A.
Sur les huiles retirées des graines de lupin. Compt. Rend. Soc. Biol. Paris. 89: 887-889. N.3, 1923. no. 30.

Country Life. London.

Forrest, George.
Some Meconopsis of Yunnan. II. Country Life. 54: 652-653. illus. N.10, 1923. no.1401.

Wilson, E. H.
Hawthorns. Country Life. 54: 681-683. illus. N.17,1923. no. 1402.

Defensa Agr. Uruguay.

La sarna de la papa y manera de combatirla. Defensa Agr. Uruguay. 4: 106-108. illus. S.-O. 1923. no. 9/10.

Ernahr. Pflanz.

Dr. Lorenz Hiltner, sein leben und werk. Ernahr. Pflanz. 19: 137-140. illus., port. N.1, 1923. no. 21.

Fauna & Flora.

Wibom, C. O. G.
En ny form af Anthemis L. tinctoria L. Fauna & Flora. 1923. p. 206-207. no.5.

Florida Grow.

Burger, O. F.
Melanose control. Florida Grow. v.28, no.20. p. 7, 17. illus. N.17, 1923.

Flor. Exch.

Autumn berry bearing shrubs. Flor. Exch. 61: 1381. N.17, 1923. no. 20.

Electric light as an aid to plant growth. Flor. Exch. 61: 1365. illus. N.17, 1923. no.20.

Fruit, Gard. & Home.

Hansen, A. A.
Strange habits of carnivorous plants. Plants that prey on insects are found in many parts of this country. Fruit, Gard. & Home. v.2, no.4. p. 6-7, 36. illus. D. 1923.

Tillotson, H. S.
Our oldest botanical garden. John Bartram was our first great gardener. Fruit, Gard. & Home. v.2, no.4. p. 17, 35. illus. D. 1923.

Garden.

Irving, Walter.
The snake-roots. Garden. 87: 563. illus. N.3, 1923. no. 2711.

Jacob, Joseph.
Nerines. History - cultivation - appreciation. Garden. 87: 572. N.3, 1923. no. 2711.

Osborn, Arthur.
Chinese rhododendrons. Some interesting and distinct kinds. Garden. 87:565-566. illus. N.3, 1923. no. 2711.

Osborn, Arthur.
Pyruses of the Aucuparia section. Garden. 87: 576-577. illus. N.10, 1923. no. 2712.

Osborn, Arthur.
The wild roses. Garden. 87: 588-590. illus. N.17, 1923. no. 2713.

Trees and shrubs for foliage. Garden. 87: 573-574. illus. N.10, 1923. no. 2712.

Wettern, H. L.
About weeping standard roses. Garden. 87: 592-593. illus. N.17, 1923. no. 2713.

Z ,
Wind-swept seaside gardens. Some suggestions for providing shelter. Garden. 87: 575-576. illus. N.10, 1923. no. 2712.

Gard. Mag.

Berry, S. S.
A hobby in crested irises. A dainty group of elfin-like flowers whose fugitive beauty and cultural interest fascinate the fancier. Gard. Mag. 38: 211-215. illus. D. 1923. no. 4.

Danforth, R. H.
Gardening in jungle fashion. Gard. Mag. 38: 201-204. illus. D. 1923. no. 4.

Gard. Chron.

Auton, W.
The heath garden. Gard. Chron. III, 74: 293. N.17, 1923. no. 1925.

Bean, W. J.
Buddleia auriculata. Gard. Chron. III, 74: 279. illus. N.10, 1923. no. 1924.

Brotherston, R. P.
Some old Scottish plant names. Gard. Chron. III, 74: 278. N.10, 1923. no. 1924.

C , F. C.
Prunus dielsiana var. laxa. Gard. Chron. III, 74: 279. N.10, 1923. no. 1924.

Gard. Chron. (cont.)

Durham, H. E.
Wound dressings. Gard. Chron. III, 74: 278-279. N.10, 1923. no. 1924.

Krelage, E. H.
The development of the dahlia. The paeony-flowered and decorative dahlias. Gard. Chron. III, 74: 265. N.3, 1923. no. 1923.

Preston, F. G.
Asimina triloba. Gard. Chron. III, 74: 295. illus. N.17, 1923. no. 1925.

R. , M. C.
Soil acidity. Gard. Chron. III, 74: 296. N.17, 1923. no. 1925.

R , M. C.
Soil sourness. Gard. Chron. III, 74: 263-264. N.3, 1923. no. 1923.

Ward, F. W.
Mr. Kingdon Ward's seventh expedition in Asia. no. 23. Over the Taru Tra. Gard. Chron. III, 74: 262. N.3, 1923.

----- ----- no. 24. The backbone of the Irrawaddy. Gard. Chron. III, 74: 294. illus. N.17, 1923. no. 1925.

Westerdijk, Johanna.
The relations between horticulture and phyto-pathology. Gard. Chron. III, 74: 264-265, 280-281. N.3-10, 1923. no. 1923.

Wilson, E. H.
Symplocos paniculata. Gard. Chron. III, 74: 262-263. illus. N.3, 1923. no. 1923.

Gard. Chron. Amer.

Mackay, E. S.
Electric light speeds up plant growth. Gard. Chron. America. 27: 276-277. illus. N. 1923. no.11.

Gard. Illus.

Mayne, J.
Hollyhocks and their requirements. Gard. Illus. 45: 719. illus. N.17, 1923. no. 2332.

Genetics.

Heppner, M. J.
The factor for bitterness in the sweet almond. Genetics. 8: 390-391. Jl. 1923. no. 4.

Sax, Karl.
The relation between chromosome number, morphological characters and rust resistance in segregates of partially sterile wheat hybrids. Genetics. 8: 301-321. illus. Jl. 1923. no. 4.
Literature cited: p. 320-321.

Uda, Hajime.
On "maternal inheritance" Genetics. 8: 322-325. illus. Jl. 1923. no. 4.
Literature cited: p. 324-325.

Genetics (cont.)

Child, C. M.
Physiological polarity and symmetry in relation to heredity. Genetics. 8: 336-354. illus. Jl. 1923. no. 4.
Literature cited: p. 353-354.

Mavor, J. W.
An effect of X rays on the linkage of Mendelian characters in the first chromosome of Drosophila. Genetics. 8: 355-366. Jl. 1923. no. 4.
Literature cited: p. 366.

Lefevre, George. & Rucker, E. H.
The inheritance of spangling in poultry. Genetics. 8: 367-389. illus. Jl. 1923. no. 4.
Literature cited: p. 389.

Hacienda.

Taylor, W. A.
Las enfermedades del algodón. II. Hacienda. 18: 359-362. illus. D. 1923. no. 12.

Thompson, N. F.
Los estragos que el bórbero ocasiona en los campos de cereales. Hacienda. 18: 365-366. illus. D. 1923. no. 12.

Valdivia, M. A.
El cultivo de la vainilla. Hacienda. 18: 374-376. illus. D. 1923. no. 12.

Wester, P. J.
El cultivo y explotación racional del mango. III. Hacienda. 18: 370-373. illus. D. 1923. (Concl.) no. 12.

Meded. Inst. Plantenz. Dep. Landb. &c. Nederl. Ind.

Hall, C. J. J. van.
Ziekten en plagen der cultuurgewassen in Nederlandsch Indië in 1922. Meded. Inst. Plantenz. Dep. Landb. &c. Nederl. Ind. no. 58. 42 p. 1923.

Jahrb. Wiss. Bot.

Bode, H. R.
Beiträge zur dynamik der wasserbewegung in den gefässpflanzen. Jahrb. Wiss. Bot. 62: 92-127. 1923.
Zitierte Literatur: p. 126-127.

Journ. Amer. Soc. Agron.

Dunlavy, Henry.
Correlation of characters in Texas cotton. Journ. Amer. Soc. Agron. 15: 444-448. N. 1923. no. 11.

Wolfe, T. K.
Correlation between certain characters of the Green Mountain Irish potato. Journ. Amer. Soc. Agron. 15: 467-470. N. 1923. no. 11.

Journ. Arnold Arb.

Rehder, Alfred.
New species, varieties and combinations from the herbarium and the collections of the Arnold Arboretum. Journ. Arnold Arb. 4: 246-253. O. 1923. no. 4.

Journ. Arnold Arb. (cont.)

Schneider, Camillo.
Notes on hybrid Berberis and some other garden forms. Journ. Arnold Arb. 4: 193-232. O. 1923. no. 4.

Wilson, E. H.
The hortensias; Hydrangea macrophylla DC. and Hydrangea serrata DC. Journ. Arnold Arb. 4: 233-246. O. 1923. no. 4.

Journ. For.

Durland, W. D.
Notes on Quebracho colorado. Journ. For. 21: 600-603. O. 1923. no. 6.

Journ. Gen. Physiol.

Loeb, Jacques.
Theory of regeneration based on mass action II. Journ. Gen. Physiol. 6: 207-214. illus. N. 1923. no. 2.

Winslow, C.E.A., Falk, I.S., & Caulfield, M.F.
Electrophoresis of bacteria as influenced by hydrogen ion concentration and the presence of sodium and calcium salts. Journ. Gen. Physiol. 6: 177-200. N. 1923. no. 2.
Bibliography: p. 198-200.

Journ. Min. Agr. Gt. Brit.

The prevention of bunt in wheat. Journ. Min. Agr. Gt. Brit. 30: 710. N. 1923. no. 8.

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

Hiura, M.
Investigations on flax anthracnose. Journ. Soc. Agr. & For. Sapporo, Japan. v.15, no. 64. p. (1)-(23) O. 1923.
"Bibliography" p. (23)
In Japanese.

Kihara, H.
On the physical nature of protoplasm of the wheats. Journ. Soc. Agr. & For. Sapporo, Japan. v.15, no. 64. p. (55)-(68). O. 1923.
"Bibliography" p. (68)
In japanese.

Togashi, K.
Comparative studies on cultural characters of the three species of Valsa. Journ. Soc. Agr. & For. Sapporo, Japan. v.15, no.64. p. (29)-(38). O. 1923.
"Bibliography" p. (38).
In Japanese.

Journ. Wash. Acad. Sci.

Pittier, Henri.
Note on plants collected in tropical America. Journ. Wash. Acad. Sci. 13: 428-431. N.19, 1923. no. 19.

Louisiana Plant.

Brandes, E. W.
Growth stimulation and pest and disease control by hot-water treatment of sugar cane "seed". II-III. Louisiana Plant. 71:392-394, 412. illus. N.17, 24, 1923. (Concl.) no. 20, 21.

Meded. Deli Proefst. Medan, Sumatra.
Palm, B. T.
Bestrijding van plagen en ziekten in de tabak-cultuur. Verslag van een studiereis in Europa en de ver. staten. Meded. Deli Proefst. Medan, Sumatra. II. no. 30. 54 p. 1923.

Meld. Norges Landbruks.
Frisak, Astri.
Korrelationer mellem frøets ytre praeg og dets spirings- og plantefrembringelsesevne. Meld. Norges Landbruks. 1923. no. 4. p. 189-236. illus.

Mem. Brooklyn Bot. Gard.
Taylor, Norman.
The vegetation of Long Island. I- Mem. Brooklyn Bot. Gard. v.2. p. 1-107. illus. Je. 1923.
I. The vegetation of Montauk, a study of grassland and forest.

Month. Bull. Dept. Agr. Calif.
Godfrey, G. H.
The alfalfa stem nematode (Tylenchus dipsaci) Month. Bull. Dept. Agr. Calif. 12: 299-303. Je. 1923. no. 6.

Orton, W. A. & Godfrey, G. H.
Dissemination of plant diseases by contaminated seed. Month. Bull. Dept. Agr. Calif. 12: 297-299. Je. 1923 (Rec'd N. 1923.) no. 6.

Robinson, C. L.
Quarantine conditions in Washington with special reference to white pine blister rust eradication. Month. Bull. Dept. Agr. Calif. 12: 262-263. Je. 1923. (Rec'd N. 1923.) no. 6.

Western plant quarantine board.
Proceedings of the 5th convention, My. 1923. Month. Bull. Dept. Agr. Calif. v. 12, no.6. p.235-313. Je. 1923.

Nature Mag.
Hansen, A. A.
Fringed gentian (Gentiana crinita) Nature Mag. 2: 357-358, 363. illus. D. 1923. no.6.

Ohio Journ. Sci.
Schaffner, J. H.
The time of sex determination in plants. Ohio Journ. Sci. 23: 225-240. S.-O. 1923. no. 5.

Parfum. Mod.
Gattefosse, Jean.
Les produits aromatiques de Madagascar. Parfum. Mod. 16: 224-228. illus. O. 1923. no. 10.

Philipp. Agr.
Cavarra, Perpetuo. & Espino, R. B.
Foliar transpiring power of different varieties of abaca grown at the College of Agriculture. Philipp. Agr. 12: 135-140. Ag.-S. 1923. no. 3/4.
Bibliography: p. 139.

Philipp. Agr. (cont.)

Espino, R. B. & Cruz, S. M.
Absorption of complete culture solutions by abaca roots with reference to growth of branch roots. Philipp. Agr. 12: 111-119. pl. i. Ag.-S. 1923. no. 3/4.
Literature cited: p. 115.

Espino, R. B., Esguerra, Felix, & Reyes, J. C.
Comparative study of fibers produced by six varieties of abaca when grown in Los Baños: I-II. Philipp. Agr. 12: 141-151, 153-164. pl. i-vii, i-vii. Ag.-S. 1923. no. 3/4.
Bibliography: p. 146,157.

Espino, R. B. & Novero, Teofilo.
Comparision of forty-seven varieties of abaca grown under Los Baños conditions. Philipp. Agr. 12: 165-170. Ag.-S. 1923. no.3/4.
Literature cited: p. 168.

Ferrer, L. G. & Espino, R. B.
A study on the germination of abaca seeds. Philipp. Agr. 12: 101-109. Ag.-S. 1923. no. 3/4.
Bibliography: p. 104.

Hernair, P. & Espino, R. B.
Soil moisture requirements of young abaca plants. Philipp. Agr. 12: 121-126. Ag.-S. 1923. no. 3/4.

Proc. Staten Isl. Inst.

Hollick, Arthur
Erect silky leather flower on Staten Island. Proc. Staten Island Inst. 1: 120-122. O. 1921-My. 1922. (Rec'd N. 1923.) no. 4.

Queensl. Nat.

Illidge, R.
A piece of fungus, Polyporus portentosus. Queensl. Nat. 4: 33-34. S. 1923 (Rec'd N.) no. 2.

Rev. Bot. Appl.

Camus, Aimée.
Une graminée fourragère introduite récemment à Madagascar. Rev. Bot. Appl. 3: 686. O. 1923. no. 26.
Ischaemum rugosum.

Chevalier, Auguste.
Le Pita ou Arghan, plante textile. Rev. Bot. Appl. 3: 652-660. O. 1923. no. 26.

Foëx, Etienne
Quelques problèmes relatifs aux rouilles des céréales. Rev. Bot. Appl. 3: 641-652. O. 1923. no. 26.

Gaignebet, Jean.
La culture de la truffe dans le Causse de Martel. Rev. Bot. Appl. 3: 660-666. O. 1923. no. 26.
Bibliographie sommaire: p. 665-666.

Gèze, J. B.
Classification et culture des sorghos. Rev. Bot. Appl. 3: 666-681. O. 1923. no. 26.

Rev. Hist. Nat. Appl. pt. I.
Meunissier, A. A.
Un congrès des iris. Rev. Hist. Nat. Appl. Pt. I. 4: 281-288. S. 1923. no. 9.

Rev. Hort. Algérie.
Ducomet, Vital. & Foex, Et.
Les maladies de dégénérescence de la pomme de terre. Rev. Hort. Algerie. 27: 190-191. N. 1923. no. 9.

Répertoire des plantes médicinales de l'Afrique du Nord. Rev. Hort. Algerie. 27: 196-200. N. 1923. (cont.) no. 9.

T. ,
La gommose ou maladie du pied des orangers. Rev. Hort. Algerie. 27: 182-183. N. 1923. no. 9.

Riv. Biol.
Campanile, Giulia.
Contribuzioni allo studio della biologia delle cuscute (Nota seconda) Riv. Biol. 5: 627-643. illus. S.-O. 1923. no. 5.
Scritti citati: p. 643.

Science.
McCrea, Adelia.
Longevity in spores of Aspergillus oryzae and Rhizopus nigricans. Science. 58: 426. N.23, 1923. no. 1508.

Sci. Proc. Roy. Soc. Dublin.
Mason, T. G.
Ligneous zonation and die-back in the Lime (Citrus medica, var. adida) in the West Indies. Sci. Proc. Roy. Dublin Soc. 17: 255-262. Pl. xiii-xvi. Ag. 1923. no. 31.
Literature cited: p. 262.

Murphy, P. A.
On the cause of rolling in potato foliage; and on some further insect carriers of the leaf-roll disease. Sci. Proc. Roy. Dublin Soc. 17: 163-184. pl. vi. Je. 1923. (Rec'd N. 1923.) no. 20.
Literature cited: p. 183.
"Excess of starch in the rolled leaves of diseased plants is a constant symptom of leaf-roll."

Skogen.
Ridderstrale, C. A.
Angaende utbredningen i sverige av tallens knäckesjuka. Skogen. 10: 327-331. illus. N. 1923. no. 11.

Sugar Centr. & Plant. News.
Lee, H. A.
Report of the committee on cane diseases. Sugar Centr. & Plant. News. 4: 505-519. illus. O. 1923. no. 10.

Svensk Bot. Tidskr.

Ahlander, Fr.E.
Förtechning över svensk botanisk litteratur under aren 1914-och 1915. Svensk Bot. Tidskr. 17: 331-368. 1923. no. 2/3.

Alm, C. G.
Platanthera parvula Schltr. en nybeskriven svensk växt. Svensk Bot. Tidskr. 17: 224-227. illus. 1923. no. 2/3.
Litteraturförtechning: p. 227.

Du Rietz, G. E.
Statistisk vegetationsanalys. Svensk Bot. Ridskr. 17: 154-164. 1923. no. 2/3.
Litteraturförteckning: p. 164.

Fries, T. C. E.
Zwei neue riesen-senecionen aus Afrika. Svensk Bot. Tidskr. 17: 228-230. 1923. no. 2/3.
S. elgonensis, S. alticola.

Johansson, K.
Växtgeografiska spörsmål rörande den svenska Hieraciumfloran. Svensk Bot. Tidskr. 17: 175-214. 1923. no. 2/3.
Litteraturförtechning: p. 214.

Johansson, Nils.
Zur kenntnis der kohlensäureassimilation einiger farne. Svensk Bot. Tidskr. 17: 215-223. 1923. no. 2/3.
Zitierte literatur: p. 223.

Laurent, Vivi.
Zur entwicklungsgeschichte von Corytoloma cyclophyllum Dus. n.sp. ined. Svensk Bot. Tidskr. 17: 165-174. illus. 1923. no. 2/3.
Litteraturverzeichnis: p. 174.

Romell, Lars-Gunnar.
Till frågen om frekvensfördelnings-regelns tolkning. Svensk Bot. Tidskr. 17: 231-240. 1923. no. 2/3.
Litteratur: p. 240.

Samuelsson, Gunnar.
Revision der südamerikanischen Epilobium-arten. Svensk Bot. Tidskr. 17: 241-296. 1923. no. 2/3.

Segerstad, F. H. av.
Juncus kochii F. Schultz, dess systematiska rang och växtgeografiska stallning. Svensk Bot. Tidskr. 17: 143-153. illus. 1923. no. 2/3.
Litteraturförtechning: p. 151.
French résumé: p. 152-153.

Trans. Roy. Soc. So. Austr.

Adamson, R. S. & Osborn, T.G.B.
On the ecology of the Ooldea district. Trans. Roy. Soc. So. Austr. 46: 539-564. pl. xxxii-xxxvi. D. 1922. (Rec'd N. 1923)

Berry, P. A.
An investigation of the essential oil from Eucalyptus cneorifolia, D.C. (The "narrow leaf mallee" of Kangaroo Island.) Trans. Roy. Soc. So. Austr. 46: 207-221. D. 1922. (Rec'd N. 1923)

Trans. Roy. Soc. So. Austr. (cont.)

Black, J. M.
Additions to the flora of South Australia. no. 20. Trans. Roy. Soc. So. Austr. 46: 565-571. pl. xxxvii. D. 1922. (Rec'd N. 1923)

Ising, E. H.
Ecological notes on South Australian plants. I- Trans. Roy. Soc. So. Austr. 46: 583-606. pl. xxxviii-xlii. D. 1922. (Rec'd N. 1923.)

Osborn, T. G. B.
A sketch of the ecology of Franklin Islands. Trans. Roy. Soc. So. Austr. 46: 194-206. pl. viii-xi. D. 1922. (Rec'd N. 1923.)
Flora and fauna of Nuyt's Archipelago no. 3.

Rogers, R. S.
Contributions to the orchidology of Australia and New Zealand. Trans. Roy. Soc. So. Austr. 46: 148-159. D. 1922. (Rec'd N. 1923.)

U. S. Dept. Agr. Bull.

Winston, J.R., Bowman, J.J. & Yothers, W.W.
Bordeaus-oil emulsion. U. S. Dept. Agr. Bull. 1178. 22 p. N. 21, 1923.
Literature cited: p. 23.

Verh. Zool.-Bot. Ges. Wien.

Demelius, Paula.
Beitrag zur kenntnis der hyphomyceten Niederösterreichs. Verh. Zool.-Bot. Ges. Wien. 72: 66-109. illus. 1923.
Angeführte literatur: p. 66-67.

Gáyer, Julius.
Die hybriden Aconita der ostalpen und sudeten. Verh. Zool.-Bot. Ges. Wien. 72: 35-41. 1923.

Handel-Mazzetti, H. F. von.
Beiträge zur kenntnis der orientalischen flora. I-II. Verh. Zool.-Bot. Ges. Wien. 64: 309-320, 1914; 72: 31-35. 1923.

Limberger, Alfred.
Neuere ergebnisse der symbiose-forschung. Verh. Zool.-Bot. Ges. Wien. 72: (65)-(68). 1923.

Neumayer, Hans.
Die frage der gattungsabgrenzung innerhalb der silenoideen. Verh. Zool.-Bot. Ges. Wien. 72: (53)-(59). 1923.

Robinsohn, Isak. & Zweigelt, Fritz.
Ueber den nachweis autotropher funktion des chlorophyllapparates in den blüten und früchten von Cuscuta epithymum. Verh. Zool.-Bot. Ges. Wien. 72: (143)-(147). 1923.

Vetter, Johann.
Neue pflanzenfunde aus Niederösterreich und Tirol. Verh. Zool.-Bot. Ges. Wien. 72: 110-121. 1923.

Vict. Nat.

Hart, T. S.
Botanical notes about Bairnsdale and the Eastern Lakes. Vict. Nat. 40: 107-116. pl. viii-ix. O. 1923. no. 6.

Wiener Landw. Zeit.

Dafert, F. W.
Kohlensäure und pflanzenwachstum. Wiener Landw. Zeit. 73: 357. N.3, 1923. no. 87/88.

Zeitschr. Sukkulent.

Vaupel, Friedrich.
Cereus hamatus Scheidw. Zeitschr. Sukkulent. 30: 72-73. illus. O.1, 1923. no. 7.

New Books.

Britton, N. L. & Wilson, Percy.
Botany of Porto Rico and the Virgin Islands. Ag. 10, 1923 (New York Acad. Sci. Scientific survey of Porto Rico and the Virgin Islands. v.5, pt.1)
Descriptive flora - Spermatophyta (to Amaryllidaceae - Atamasco)

Evans, I. B. Pole ed.
The flowering plants of South Africa. v.2. London, 1922.

Harding, Mrs. Edw.
Peonies in the little garden. Boston c1923.
Diseases: p. 86-91.

Hornibrook, Murray.
Dwarf and slow-growing conifers. 194 p. plates. London, 1923.

Maiden, J. H.
Critical revision of the genus Eucalyptus. pt. LXI (v.7, pt.1) 1923.

Wallace, H. A. & Bressman, E. N.
Corn and corn growing. Des Moines, 1923.
Diseases of corn: p. 135-139.

ERRATA (LIST 121)

Ann. Rep. Wisc. State Hort. Soc. should read v.53 instead of 52.

Journ. Agr. Res. 1st entry should read Dodge, B. O. (Systemic) infections of Rubus with the orange-rusts...

Library, Bureau of Plant Industry
Current Authors Entries, 1923, no. 123. no. 124
Indexed Dec. 3 - Dec. 15, 1923.

Acta Soc. Bot. Polon.

Dziubałtowski, Seweryn.
La distribution et l'ecologie des associations steppiques sur le plateau de la Petite Pologne. Acta Soc. Bot. Polon. 1: 185-200. 1923. no.3.

Łukaszewicz, Józef.
Przyczynek do mikrochemji włoska parzacego Urtica dioeca L. (Une contribution à la microchimie du poil piquant chez Urtica dioeca L.) Acta Soc. Bot. Polon. 1: 165-167. illus. 1923. no.3.
French résumé: p. 166-167.

Rouppert, Kazimierz.
Mrówkosiewność lulecznicy (Scopolia carniolica) (Dissémination de Scopolia carniolica par les fournis). Acta Soc. Bot. Polon. 1: 201-204. illus. 1923. no.3.
French résumé: p. 204.

Szymkiewicz, Dezydery.
Recherches biométriques sur les composées. Acta Soc. Bot. Polon. 1:168-184. 1923. no.3.

Wóycicki, Zygmunt.
Einige beobachtungen über prothallien und archegonien bei Larix dahurica Turcz. und Larix europaea DC. Acta Soc. Bot. Polon. 1: 149-164. pl.ii-iv. 1923. no.3.

Agr. Journ. B. C.

Eastham, J. W.
Plant-disease survey of central B.C. Agr. Journ. B.C. 8:224-225,233. illus. D. 1923. no.10.

Amer. For.

Perry, W.J.
Mistletoe - The insidious enemy of trees. Amer. For. 29: 748-749. illus. D. 1923. no. 360.

Ann. Rep. Dept. Agr. So. Austr.

Osborn, T.G.B.
Annual report of the consulting botanist and vegetable pathologist. 1921-22. Ann. Rep. Dept. Agr. So. Austr. 1921/22. p. 57-59. (Rec'd D. 1923)

Arch. Rubbercult. Nederl.-Ind.

Meulen, G. F. van der.
Centrosema pubescens. Arch. Rubbercult. Nederl.-Ind. 7: 467-470. pl. i-iii. O. 1923. no.10.
English summary: p. 470.

Overeem, Caspar van & Steinmann, A.
Over de roode wortelschimmel van Hevea brasiliensis M.A. Arch. Rubbercult. Nederl.-Ind. 7: 453-460. pl. i-iv. O. 1923. no.10.
English summary: p. 466.
Phytopathological ser. no.4.

Steinmann, A.
Aanvullende mededeeling over het optreden van Ustulina bij Hevea brasiliensis in Java. Arch. Rubbercult. Nederl.-Ind. 7: 448-452. pl. i-iv. O. 1923. no.10.
English summary: p. 463-465.
Phytopathological ser. no.3.
Confirms Petch's conclusions as to identity of U. zonata with U. vulgaris.

Arch. Rubbercult. Nederl.-Ind. (cont.)

Steinmann, A.

Over eene ziekte van op de kweekbedden staande Hevea-zaailingen. Arch. Rubbercult. Nederl.-Ind. 7: 444-445. pl. i-ii. O. 1923. no.10.

English summary: p. 461.

Phytopathologyical ser. no.1.

Disease due to tremendous heat of sun, especially by abnormal heating of soil by sun-rays.

Ber. Deut. Bot. Ges.

Cholodny, N.

Zur frage nach der rolle der ionen bei geotropisschen bewegungen. Ber. Deut. Bot. Ges. 41: 300-311. 1923. no.7.

Hesse, Otto.

Ueber die keimungsauslösende wirkung chemischer stoffe auf lichtempfindliche samen. Ber. Deut. Bot. Ges. 41: 316-322. 1923. no. 7.

Schriftenverzeichnis: p. 322.

Kolkwitz, Richard. & Kolbe, R.

Zur kenntnis der kalktuffbildung durch grünalgen. Ber. Deut. Bot. Ges. 41: 312-316. illus. 1923. no. 7.

Literatur: p. 316.

Kostytschew, S.

Die photosynthese der insecktivoren. Ber. Deut. Bot. Ges. 41: 277-280. 1923. no.7.

Lepeschkin, Wladimir.

Ueber aktive und passive wasserdrüsen und wasserspalten. Ber. Deut. Bot. Ges. 41: 298-300. 1923. no. 7.

Maximow, N.A. & Lebedincev, Elisabeth.

Ueber den einfluss von beleuchtungsverhältnissen auf die entwickelung des wurzelsystems. Ber. Deut. Bot. Ges. 41: 292-297. 1923. no. 7.

Literatur: p. 297.

Warth, Gustav.

Ueber fuchsien mit verscheieden gestalteten pollen und verschiedener chromosomenzahl. Ber. Deut. Bot. Ges. 41: 281-285. illus. 1923. no. 7.

Literatur: p. 284-285.

Zimmermann, Walter.

Neue einzellige Helgoländer meeresalgen. Zugleich ein beitrag zur polaritätsfrage der algen. Bot. Ges. 41: 285-292. illus. 1923. no. 7.

Better fruit.

Root, E.R.

Are bees carriers of fire-blight. Better Fruit 18: 8, 26. Jl. 1923 (Rec'd D.) no.1.

Biochem. Zeitschr.

Koga, Torao.

Zur frage der differenzierung tierischer und pflanzlicher diastasen. Biochem. Zeitschr. 142: 159-164.

Biol. Zentralbl.

Pfeiffer, Hans.

Dedifferenzierungen bei atypischem dickenzuwachs von pflanzen. Biol. Zentralbl. 43: 528-534. O.15, 1923. no.5.

Literaturverzeichnis: p. 533-534.

Bot. Arch.

Budde, Hermann.
Beiträge zur anatomie und physiologie des blattes auf grund volumetrischer messungen. Bot. Arch. 4: 443-487. illus. D. 1923. no. 6.
Literaturverzeichnis: p. 486-487.

Heumann, Martin.
Ueber die wachstumsbeschleunigung der pflanzen bei vermindertem sauerstoff-druck. Bot. Arch. 4: 413-443. D. 1923. no.6.
Literatur-verweise: p. 443.

Kleinmann, Anton.
Ueber kern und zellteilungen in cambium. Bot. Arch. 4: 113-147. illus. Ag. 1923 (Rec'd D. 1923) no. 2.
Literatur: p. 146.

Pfeiffer, Hans.
Histologische untersuchungen an den stammchen von Lagenocarpus dracaenula Pfeiff. und an den knollstöcken anderer sclerieen. Bot. Arch. 4: 147. Ag. 1923 (Rec'd D. 1923) no.2.

Ruppert, Jos.
Ophrys fuciflora x muscifera. Bot. Arch. 4: 405-412. illus. N. 1923. no. 5.

Spirgatis, Paul.
Untersuchungen über den wachstumsfaktor kohlensäure. Bot. Arch. 4: 381-403. N. 1923. no. 5.
Literatur-verweise: p. 403.

Bot. Tidsskr.

Christensen, Carl.
Joachim Frederik Schouw i anledning af hundredaaret for udgivelsen af hans plantegeografi. Bot. Tidsskr. v. 38 no. 1. p.1-56. port. 1923.

Lynge, Bernt.
Lavslegten Parmelia i Danmark. Bot. Tidsskr. v.38 no. 1. p. 69-78. 1923.

Brooklyn Bot. Gard. Leafl.

Graves, A. H.
The collection of water lilies at the Brooklyn botanic garden. Brooklyn Bot. Gard. Leafl. IX. no. 8. 4 p. O.19, 1923.

Bull. Soc. Agriculteurs France.

Pluchet, Emile.
L'hérédité chez la betterave cultivée. Bull. Soc. Agriculteurs France. 55: 299-300. N. 1923, no.11.
Abstract of work by Jacques de Vilmorin.

Bull. Torr. Club.

Ashe, W. W.
Further notes on trees and shrubs of the southeastern United States. Bull. Torr. Bot. Club. 50: 359-363. N. 1923. no. 11.

Mackenzie, K.K.
Notes on Carex. XIII. Bull. Torr. Bot. Club. 50: 343-358. N. 1923. no. 11.

Circ. So. Dakota Geol. & Nat. Hist. Surv.

Over, W. H.
Trees and shrubs of South Dakota. Circ. So. Dakota Geol. & Nat. Hist. Surv. no. 11. 13 p. Ja. 1923. (Rec'd D. 1923)

Compt. Rend. Acad. Agr. France.

Paillot, A.

Nouvelle formule de bouillie mixte pour le traitement d'hiver des arbres fruitiers. Compt. Rend. Acad. Agr. France. 9: 809-812. N.7, 1923. no.31.

Compt. Rend. Acad. Sci. Paris.

Beauverie, Jean.

Sur les circonstances qui peuvent modifier l'effet de la "période critique" sur le rendement du blé. Compt. Rend. Acad. Sci. Paris. 177: 1060-1061. N.19, 1923. no.21.

Charpentier, Jean.

Application du procédé biochimique de caractérisation du galactose à l'étude de la composition des pectines. Compt. Rend. Acad. Sci. Paris, 177: 1057-1059. N.19,1923. no.21.

Colin, Henri. & Belval, H.

Les lévulosanes dans les céréales. Compt. Rend. Acad. Sci. Paris. 177: 973-975. N.12, 1923. no.20.

Daniel, Lucien.

Nouvelles recherches sur la migration de l'inuline dans les greffes de composées. Compt. Rend. Acad. Sci. Paris. 177: 1135-1137. N.26, 1923. no.22.

Guilliermond, Alexandre.

Nouvelles observations sur l'évolution du chrondriome dans le sac embryonnaire des liliacées. Compt. Rend. Acad. Sci. Paris. 177: 1138-1140. illus. N.26, 1923. no.22.

Nicolas, Emile. & Nicolas, G.

Nouvelles observations sur l'influence de l'hexaméthylènetétramine et de l'aldéhyde formique sur le haricot. Compt. Rend. Acad. Sci. Paris. 177: 1062-1064. N.19, 1923. no.21.

Nobécourt, Pierre.

Sur la production d'anticorps par les tubercules des ophrydées. Compt. Rend. Acad. Sci. Paris. 177: 1055-1057. N.19, 1923. no.21.

Ricôme, Hilaire.

Intervention de la pesanteur dans le phototropisme. Compt. Rend. Acad. Sci. Paris. 177: 1064-1066. N.19, 1923. no.21.

Vuillemin, Paul.

Nouvelles preuves de l'origine dystrophique des scyphies. Compt. Rend. Acad. Sci. Paris. 177: 999-1001. N.19, 1923. no.21.

Country Life. London.

Tipping, H. A.

Wall and wood in November. Country Life. 54: 709-711. illus. N.24, 1923. no.1403.

Curt. Bot. Mag.

Curt. Bot. Mag. v.149, pt.I. N. 1923.

Phytolacca clavigera. 2 p. col.pl. 9878.
Maxillaria chrysantha. 3 p. col. pl. 8979.
Viburnum davidii. 4 p. col.pl. 8980.
Candidea stenostegia. 4 p. col. pl. 8981.
Caralluma pseudo-N.E. Brownii. 2 p. col. pl. 8982.
Rhododendron thayerianum. 3 p. col. pl. 8983.
Turraea floribunda. 4 p. col.pl. 8984.
Sempervivella alba. 4 p. col.pl. 8985.
Primula calciphila. 4 p. col.pl. 8986.
Tecophilaea cyanocrocus. 4 p. col.pl. 8987.
Rhododendron lacteum. 2 p. col.pl. 8988.
Cyclamen balearicum. 2 p. col.pl. 8989.

Deut. Landw. Presse.
Snell, Karl.
Kartoffelkrebs und kartoffelsaatgutanerkennung.
Deut. Landw. Presse. 50: 377. N.10, 1923. no.45.

Deut. Obstb. Zeit.
Lisges, H.
Die einwirkung niedriger wärmegrade auf die pflanze. Deut. Obstb. Zeit. 69: 344-347. N.9, 1923. no. 45/46.

Farm & Gard.
Cooper, E.
Orchid growing and hybridizing. Farm & Gard. 11: 6-10. illus. D. 1923. no.6.

Farm Bull. N.S.W. Dept. Agr.
Wenholz, Harold. & Clayton, E.S.
The cultivation of cotton in New South Wales. N.S.W. Dept. Agr. Farm. Bull. 150. 29 p. illus. 1923.

Floralia.
Dominicus, J.K.
De Iepenziekte. Floralia. 44: 739. illus. N.30, 1923. no. 48.

Flow. Grow.
Brown, C. W.
Gladiolus nomenclature. Flow. Grow. 10: 432. D. 1923. no.12.

Soares, A. J.
The rhododendron: the state flower of Washington and West Virginia. Flow. Grow. 10: 434-435. illus. D. 1923. no.12.

Garden.
Irving, Walter.
The knot grasses. Garden. 87: 603-605. illus. N.24, 1923. no. 2714.
Polygonum.

Osborn, Arthur.
The Genistas. Garden. 87: 620-621. illus. D.1, 1923. no. 2715.

Osborn, Arthur.
Some ericaceous shrubs. Garden. 87: 606-607. illus. N.24, 1923. no. 2714.

Gard. Chron.
Abbiss, H. W.
Red plant of strawberries. Gard. Chron. III, 74: 326. D.1, 1923. no. 1927.

Grove, Abel.
Sterility in lilies. Gard. Chron. III, 74: 308-309. illus. N.24, 1923. no. 1926.
Partial abstract of "Sterility in lilies" by A.B. Stout.

Henry, Augustine.
The Cedar grove on Mount Lebanon. Gard. Chron. III, 74: 325-326. illus. D.1, 1923. no.1927.

Osborn, Arthur.
The climbing honeysuckles. Gard. Chron. III, 74: 183. illus. S.29, 1923. no.1918.

Gard. Chron. (cont.)

Pieters, A. J.
Bokhara clover. Gard. Chron. III, 74: 326. D.1, 1923. no. 1927.

Schneider, Camillo.
Pruhonice park, Czechoslovakia. Gard. Chron. III, 74: 310-311. N.24, 1923. no. 1926.

Ward, F. K.
Mr. Kingdon Ward's seventh expedition in Asia. no.25. The plains at last. Gard. Chron. III, 74: 322. D.1, 1923. no. 1927.

Hawaiian Plant Rec.

Lyon, H. L.
The root-rot problem up to date. Hawaiian Plant. Rec. 27: 259-266. O. 1923. no.4.

Lyon, H. L.
A simple cure for sereh. Hawaiian Plant. Rec. 27: 352-356. O. 1923. no.4.
English abstract of Wilbrink, G. Warmwaterbehandeling van stekken als geneesmiddel tegen de serehziekte van het suikerriet.

Verret, J.A.
Bud selection. A preliminary report on results and methods. Hawaiian Plant. Rec. 27: 271-282. illus. O. 1923. no.4.

Hereditas.

Kajanus, Birger.
Ueber ährchenabst und ährchenzahl bei einigen weizenkreuzungen. Hereditas. 4: 290-340. 1923. no.3.
English summary: p. 298-300.
Zitierte literatur: p. 300.

Kajanus, Birger.
Ueber die fertilität in kreuzungen zwischen verschiedenen weizenarten. Hereditas. 4: 341-350. 1923. no.3.
Zitierte literatur: p. 350.

Kristofferson, K. B.
Crossings in melanium-violets. Hereditas. 4: 251-289. illus. 1923. no.3.
Literature cited: p. 288-289.

Tedin, Hans. & Tedin, Olof.
Contributions to the genetics of Pisum. III. Internode length, stem thickness and place of the first flower. Hereditas. 4: 351-362. 1923.
Literature cited: p. 362.
English summary: p. 361-362.

Indian For.

Osmaston, A. E.
Frost as a cause of unsoundness in sal. Indian For. 49: 539-543. O. 1923. no.10.

Ital. Agr.

Banal, R.
L'elettrogenetica e i suoi orizzonti. Ital. Agr. 60: 415-423. illus. N.15, 1923. no.11.

Bedini, R.
La cultura del Ribes. Ital. Agr. 60: 423-425. col. pl. N.15, 1923. no.11.

Journ. Agr. Res.

Dodge, B. O.
Effect of the orange-rusts of Rubus on the development and distribution of stomata. Journ. Agr. Res. 25: 495-500. pl. 1. S.22, 1923. no.12. (Rec'd D.12, 1923)

Dodge, B. O.
A new type of orange-rust on blackberry. Journ. Agr. Res. 25: 491-494. S.22, 1923 (Rec'd D.12, 1923. no.12.

Hurd, A.M.
Acidity of corn and its relation to vegetative vigor. Journ. Agr. Res. 25: 457-469. S.15, 1923. (Rec'd D.12, 1923) no.11.
Literature cited: p. 468-469.

Jones, L.R., Williamson, M.M., Wolf, F.A. & McCulloch. Lucia.
Bacterial leafspot of clovers. Journ. Agr. Res. 25: 471-490. illus., pl. 1-6. S.22, 1923. no.12. (Rec'd D.12, 1923)
Literature cited: p. 490.

Richards, B.L.
Soil temperature as a factor affecting the pathogenicity of Corticium vagum on the pea and the bean. Journ. Agr. Res. 25: 431-450. pl. 1-2. S.15, 1923. (Rec'd D.12, 1923) no.11.
Literature cited: p. 449.

Journ. Dept. Agr. So.Africa.

Lansdell, K. A.
Weeds of South Africa. XI. The "Imbricate cactus" (Opuntia imbricata) Haw.) Journ. Dept. Agr. So. Africa. 7: 407-410. pl. ii-iii. N. 1923. no.5.

A pineapple disease. Journ. Dept. Agr. So. Africa. 7: 397. N. 1923. no.5.

Putterill, V.A.
Plant diseases in the western Cape province. XI. Note on a case of gumming in the fruit of the bitter Seville orange. Black scurf of citrus fruits. Journ. Dept. Agr. So. Africa. 7: 403-406. illus. N. 1923. no.5.

Journ. Dept. Agr. Victoria.

Farrell, J.
Passion fruit culture in Victoria. XVI. Insect pests and fungous diseases, and their treatment; experimental spraying, and woodiness. Journ. Dept. Agr. Victoria. 21: 605-611. illus. O. 1923. no.10.

Journ. For.

Drinker, H.S., Pinchot, Gifford & Stuart, R.Y.
Dr. Joseph Trimble Rothrock. Journ. For. 21: 669-676. N. 1923. no.7.

Journ. Genetics.

Cayley, D.M.
The phenomenon of mutual aversion between monospore mycelia of the same fungus (Diaporthe perniciosa, Marchal). With a discussion of sex-heterothallism in fungi. Journ. Genetics. 13: 353-370. pl.xix-xx. N. 1923. no.3.
Literature: p. 370.

Journ.Genetics. (cont.)

Harrison, J.W.H.
The inheritance of wing colour and pattern in the lepidopterous genus Tephrosia (Ectropis) with an account of the origin of a new allelomorph. I. Experiments involving melanic Tephrosia crepuscularia. Journ. Genetics. 13: 333-352. pl. xviii. N. 1923. no. 3.
Literature cited: p. 351-352.

Kopeć, Stefan.
On the offspring of rabbit-does mated with two sires simultaneously. Journ. Genetics. 13: 371-382. illus. N. 1923. no. 3.
Literature referred to: p. 382.

Yule, G.U.
The progeny, in generations F_{12} to F_{17} of a cross between a yellow-wrinkled and a green-round seeded pea; a report on data afforded by experiments initiated by the late A.D. Darbishire, M.A., in 1905, and conducted by him until his death in 1915. Journ. Genetics. 13: 255-331. N. 1923. no.3.

Journ. Immun.

Alexander, M. E.
Observations on the anaphylactogenic properties of rye pollen. (Secale cereale) Journ. Immun. 8: 457-467. N. 1923. no. 6.
References: p. 467.

Journ. Jamaica Agr. Soc.

Hansford, C.G.
Mosaic disease of canes. Journ. Jamaica Agr. Soc. 27: 961-964. O.1923. no.10.

Journ. N.Y. Bot. Gard.

Boynton, K. R.
Early-flowering shrubs. Journ. N.Y. Bot. Gard. 24: 262-265. N. 1923. no. 287.

Britton, E.G.
Cultivation of the fringed gentian. Journ. N.Y. Bot. Gard. 24: 258-259. illus. N. 1923. no.287.

Murrill, W.A.
Botanical features of Mountain Lake, Virginia. Journ. N.Y. Bot. Gard. 24: 249-256. N. 1923. no. 287.

Norton, G.F.
How to have fringed gentians. Journ. N.Y. Bot. Gard. 24: 256-258. N. 1923. no. 287.

Journ. Soc. Nat. Hort. France.

Rivière, Gustave.
Contribution alla physiologie de la greffe. Influence du sujet porte-greffe sur les produits du greffon. Journ. Soc. Nat. Hort. France. IV, 24: 431-433.

Journ. Wash. Acad. Sci.

Standley, P. C.
New species of plants from Salvador. II. Journ. Wash. Acad. Sci. 13: 436-443. D.4, 1923. no.20.

Mem. Nat. Acad. Sci.

Holm, Theodore.
The vegetation of the Alpine region of the Rocky Mountains in Colorado. Mem. Nat. Acad. Sci. v. 19, no. 3. 45 p. pl. 1-7. 1923.

Missouri Bot. Gard. Bull.

Austumn flowering elms. Missouri Bot. Gard. Bull. 11: 127. pl. 31. N. 1923. no. 9.

The private orchid collection of Mr. C. W. Powell, Missouri Bot. Gard. Bull. 11: 117-126. pl. 29-30. N. 1923. no. 9.

Nature.

Dixon, H.H.

The nerves of plants. Nature. 112: 799-800. D.1, 1923. no. 2822.

Nature Study Rev.

Bailor, W. G.

The longleaf pine. Nature Study Rev. 19: 359-360.

Perfum. & Essent. Oil Rec.

Penfold, A.R.

Some valuable essential oil-yielding plants of Australia worthy of attention. Perfum. & Essent. Oil Rec. 14: 403-408. illus. N. 1923. no.11.

Abstract of pamphlet of the same title.

Pharm. Journ.

Holmes, E.M.

How to make a herbarium. Pharm. Journ. IV, 57: 533-535. N.24, 1923. no. 3136.

References: p. 535.

Mellor, E. M.

The countries our drugs come from. IX. Zanzibar and Pemba (The Clove Islands) with some notes on Arabia. Pharm. Journ. IV, 57: 536-538. illus. N.24, 1923. no.3136.

Proc. California Acad. Sci.

Evans, A.W.

Notes on the Hepaticae of California. Proc. California Acad. Sci. 13: 111-130. N.6, 1923. no.6.

Rep. Bd. & Dept. Agr. Bermuda.

The control of plant diseases and pests. Rep. Bd. & Dept. Agr. Bermuda. 1922. p. 18-20. 1923.

Whetzel, H.H.

Report of the plant pathologist Ja.1 - My. 31, 1922. Rep. Bd. & Dept. Agr. Bermuda. 1922. p.28-32. 1923.

Rep. Special Comm. on Wood Preserv. Amer. Electric Railway Assoc.

Humphrey, C.J.

Decay of poles and the fungi which cause it. Rep. Special Comm. on Wood Preserv. Amer. Electric Railway Assoc. 312. p. 52-63. 1923.

Rev. Agr. Ile Maurice.

S , E.F.S.

Une maladie sur le filao "Casuarina equisetifolia a Maurice. Rev. Agr. Ile Maurice. no.11. p. 285-287. S.-O. 1923.

Cause undetermined, does not seem to be due to Trichosporium vesiculosum but to a parasite which invades the roots.

Sornay, P. de.

Plantes utiles. Rev. Agr. Ile Maurice. no.11. p. 234-240. S.-O. 1923.

Earlier numbers not rec'd.

Rev. Gén. Bot.

Carpentier, A.
Observations sur des fructifications de genre Sphyropteris Stur et de genre Boweria Kidston provenant du Westphalien de nord de la France. Rev. Gén. Bot. 35: 481-486. pl. i-ii. O. 1923. no. 418.

Carpentier, A.
Revue des travaux de paléontologie végétale publiés dans le cours des années 1910-1919 (Cont.) Rev. Gén. Bot. 35: 531-543. O. 1923. no. 418.

Choux, Pierre.
Revue des travaux de botanique tropicale et subtropicale (1910-1919) (cont.) Rev. Gén. Bot. 35: 520-530. O. 1923. no. 418.

Douin, Ch.
Recherches sur le gametophyte des marchantiées. III. Le thalle stérile des marchantiées développement basilaire des feuilles et autres organes latéraux chez les muscinées. (cont.) Rev. Gén. Bot. 35: 487-508. O. 1923. no. 418.

Téodoresco, E. C.
L'athermanéite des essences végétales et la transpiration. (cont.) Rev. Gén. Bot. 35: 509-519. illus. O. 1923. no. 418.

Rev. Hort.

Lesourd, Félicien.
Azalée Albert-Elisabeth. Rev. Hort. 95: 520. col. pl. N.16, 1923. no. 23.

Rev. Hort. Tunisie.

Sagnard, C.
Les mimisas sur la Côte d'Azur. (cont.) Rev. Hort. Tunisie. 21: 186-187. N.15, 1923. no. 184.

Rhodora.

Eames, A.J. & Wiegand, K. M.
Variations in Trillium cernuum. Rhodora. 25: 189-191. N. 1923. no. 299.

Evans, A. W.
Second revised list of New England Hepaticae. Rhodora. 25: 192-199. N. 1923. no. 299.

Nichols, G. E.
Cercis canadensis in Connecticut. Rhodora. 25: 203-204. N. 1923. no. 299.

Wiegand, K. M.
Notes on Triosteum perfoliatum and related species. Rhodora. 25: 199-203. N. 1923. no. 299.

Science.

Hitchcock, A. S.
Sodiro herbarium. Science. 58: 465. D. 7, 1923. no. 1510.

McClintock, J. A.
The transmission of nematode resistance in the peach. Science. 58: 466-467. D.7, 1923. no. 1510.

Rock, J. F.
The expedition to Tibet of the National geographic society. Science. 58: 460. D. 7, 1923. no.1510.
Extract from letter of Mr. Rock to the Society.

Stimulation of plants by ether. Science. 58: x. N.30, 1923. no. 1509.

Soil Sci.

Hoagland, D.R. & Martin, J. C.
A comparison of sand and solution cultures with soils as media for plant growth. Soil Sci. 16: 367-388. N. 1923. no.5.
References: p. 387-388.

Waksman, S.A. & Starkey, R. L.
Partial sterilization of soil, microbiological activities and soil fertility. III. Soil Sci. 16: 343-357. N. 1923. no. 5.
References: p. 356-357.

So. African Gard.

Chittenden, F.J.
A noteworthy plant. So. African Gard. 13: 439. illus. N. 1923. no. 11.
Primula winteri.

W. , H.H.
Some familiar plants and their movements. So. African Gard. 13: 442-444. illus. N. 1923. no.11.

So. African Sugar Journ.

Mosaic disease in Natal. So. African Sugar Journ. 7: 808c. O. 1923. no. 10.

Storey, H.H.
The control of cane diseases. Mosaic and streak disease specially dealt with. Personal and practical advice to planters. So. African Sugar Journ. 7: 813-823. O. 1923. no. 10.

U.S. Dept. Agr. Bull.

Smith, R.W., Waldron, L.R. & Clark, J.A.
Improvement of Kubanka durum wheat by pure-line selection. U.S. Dept. Agr. Bull. 1192. 14 p. illus. N. 1923 (Rec'd D.)

U.S. Dept. Agr. Farm. Bull.

Morrison, B. Y.
Dahlias for the home. U.S. Dept. Agr. Farm. Bull. 1370. 16 p. illus. N. 1923.

Univ. Iowa Studies Nat. Hist.

Wylie, R.B. & Yocum, A.E.
The endosperm of Utricularia. Univ. Iowa Studies Nat. Hist. v.10, no.2. p. 3-18. pl. i-iv. My. 1923 (Rec'D. 1923)
Bibliography: p. 18.

Zeitschr. Pflanzenernähr. u. Düng. A. Wiss. Teil.

Neubauer, H. & Schneider, W.
Die nährstoffaufnahme der keimpflanzen und ihre anwendung auf die bestimmung des nährstoffgehalts der böden. Zeitschr. Pflanzenernähr. u. Düng. A. Wiss. Teil. 2: 329-382. 1923. no. 5.

Exper. Stat. Publ.

Ryerson, Knowles, Jaffa, M.E., & Goss, H.
Avocado culture in California. California Agr. Exp. Stat. Bull. 365. p. 575-638. illus. Je. 1923 (Rec'd D.)
I. History, culture, varieties, and marketing. By Knowles Ryerson.
II. Composition and food value. By M.E. Jaffa and H. Goss.

Exper. Stat. Publ. (cont.)

Clinton, G.P.
Diseases carried by seed potatoes. Connecticut Agr. Exp. Stat. Bull. Immediate Inform. no.23. 1 p. My. 1923 (Rec'd D. 1923)

Tisdale, W.B.
Control of tobacco wildfire. Florida Agr. Exp. Stat. Press Byl. 349. 2 p. N. 1923.

Cullinan, F.P. & Baker, C.E.
Pruning young apple trees. Indiana Agr. Exp. Stat. Bull. 274. 40 p. illus. My. 1923 (Rec'd D. 1923)
Literature cited: p. 40.

Coe, D.G.
"Ammo-phos." its effect upon seed germination and plant growth. New Jersey Agr. Exp. Stat. Bull. 375. 102 p. pl. 1-10. Ja. 1923. (Rec'd D. 1923)
References: p. 91-92.

Thayer, Paul.
The strawberry; its culture and varieties. Ohio Agr. Exp. Stat. Bull. 364. p. 63-98. illus. Je. 1923 (Rec'd D. 1923)

State Publications.

Weiss, H.B.
The occurrence of the devastating nematode of Europe, Tylenchus dipsaci Kuhn, in New Jersey. Circ. Bur. Stat. & Inspection, New Jersey Dept. Agr. 64. 4 p. illus. Je. 1923.

New Books.

American Joint committee on horticultural nomenclature. Standardized plant names. Salem. Mass., 1923.
Prepared by F.L. Olmsted, F.V. Coville, & H.P. Kelsey.

Bailey, L.H. editor.
The cultivated evergreens... N. Y. Macmillan 1923.
Contributions by various authors.
Diseases and injuries of ornamental conifers, F. Dickson: p. 138-166; Diseases and injuries of ornamental broad-leaved evergreens. F. Dickson: p. 341-345.

Bailey, L.H.
Gentes herbarum: occasional papers on the kinds of plants. V. Certain cultivated rubi. p. 139-200. illus. N. 1923.

Bewley, W.F.
Diseases of greenhouse plants. London, E. Benn., 1923.

Blawue, Georges.
Les plantes a thymol. Notice no.13. Trav. Off. Nat. Mat. Prem. Vég. France. 77 p. illus. iv pl. Mr. 1923.

Bonnier, G.E.M.
Flore complète illustrée en couleurs de France... fasc. 63-64. 1923.

New Books, (Cont.)

Christ, Hermann.
Zur geschichte des alten bauerngartens der Schweiz...2 sehr. verm aufl. Basel, 1923.

Maiden, J.H.
The forest flora of New South Wales. v.8, pt. 4 (pt.74) illus. col.pl. 280-283. 1923.

Merrill, E.D.
An enumeration of Philippine flowering plants. v.3, fasc. 1-4. (Publication Philippine Islands Bur. Sci. no.18)

Meyer, F.J.
Das tropische parenchym. A. Assimilations-gewebe. Berlin, 1923 (Handbuch der pflanzen-anatomie... hrsg. von K. Linsbauer...I. abt... Histologie bd.4) 1 hälfte)

Quintus, R.A.
The cultivation of sugar cane in Java. London, N. Rodger, 1923.
Diseases: p. 62-72

Robinson, G.C.
The therapeutic use of Digitalis. Baltimore, 1923.

Sartory, Auguste.
La cellule. 210 p. illus. Paris, c1923.

Tansley, A.G.
Practical plant ecology. London, G. Allen & Unwin; N. Y. Dodd Mead & Co., 1923.

Thompson, H. C.
Vegetable crops. N.Y., McGraw-Hill Book Co., 1923.

U.S. Bureau of fisheries.
Aquatic plants in pond culture. 2d ed. Washington, 1923.
Document no.948.
By John W. Titcomb, Chief of Division of fish culture.

Woolley, R.V.G.
Roses and how to excel with them. London, "Country life", 1923.

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

Tovey, J.R.
Contributions of the National herbarium of Victoria no.3. Reprinted from Proc. Roy. Soc. Victoria. 35: 194-196. My. 1923.

Library, Bureau of Plant Industry.
Current Author Entries, 1923, No. 125.
Indexed Dec.17-23,1923.

(Note: Kindly change number of C.A.E. indexed Dec.3-15,1923 to No.124)

Abh. Zool.-Bot. Ges. Wien
Benz, Robert
Die vegetationsverhältnisse der Lavanttaler Alpen Abh. Zool.-Bot. Ges. Wien v.13, h.2, 210 p. 2 pl., fold. map 1922 (Vorarbeiten au einer pflanzengeographischen karte Oesterreichs XI)
Benutzte literatur: p. 1-4.

Agr. Gaz. N.S.W.
Birmingham, W. A. and Hamilton, I. G.
Diseases of the cotton plant. Agr. Gaz. N.S.W. 34: 805-814. illus. N.1923. no.11.

Birmingham, W. A.
An uncommon condition of mandarin fruit. Agr.Gaz. N.S.W. 34: 815-818. illus. N.1923. no.11.
Thinks it may be due to poor soil, lack of humus and other essential constituents.

Agr. Journ. India
Brown, W. R.
The mesquite (Prosopis juliflora) Agr. Journ. India 18:596-598. pl.xxi-xxii. N.1923.

Hutton, J. H.
Some economic plants of the Naga Hills. Agr. Journ. India 18: 567-571. N.1923. no.6.

McKerral, A.
A note on Fusarium wilt of gram in Burma and measures taken to combat it. Agr. Journ. India 18: 608-613. pl. xxiii. N.1923. no.6.

Thadani, K. I.
Linkage relations in the cotton plant. Agr. Journ. India 18: 572-579. illus. N.1923. no.6.

Youngman, W. and Roy, S. C.
Pollination methods amongst the lesser millets. Agr. Journ. India. 18:580-583. illus. N.1923. no.6.

Agron. Colon.
Chalot, Charles
Le parasolier ou "Combo-combo" Musanga smithii R. Br. de la côte occidentale d'Afrique. Agron. Colon. 9:129-135. N.1923. no.71.

Amer. Midl. Nat.
Farwell, O. A.
Botanical gleanings in Michigan. Amer. Midl. Nat. 8: 263-280. N.1923. no.12.
Allionia gladewitzii n. sp.

Ann. Parasit. Humaine et Comp.
Ota, Masao and Langeron, Maurice
Nouvelle classification des dermatophytes. Ann. Parasit. Humaine et Comp. 1: 305-336. illus. O.1923.
Bibliographie: p. 335-336.

Ann. Rep. Fruit Grow. Assoc. Ontario
Hockey, J. F.
Raspberry diseases. Ann. Rep. Fruit Grow. Assoc. Ontario 54th p.26-30. 1923.

Arch. Protistenk.

Geitler, Lothar
Der zellbau von Glaucocystis nostochinearum und Gloeochaete wittrockiana und die chromatophoren-symbiosetheorie von Mereschkowsky. Arch. Protistenk. 47: 1-24. illus., pl. 1. N. 1923. no.1.
Literaturverzeichnis: p. 23-24.

Ber. Deut. Pharm. Ges.

Kofler, L. and Dafert, O.
Ueber das saponin von Gypsophila paniculata (grosse weisse seifenwurzel) Ber. Deut. Pharm. Ges. 33: 215-229. S. 1923. no.6/7.
Literatur: p. 229.

Swirlowsky, Ed.
Das oel der in Lettland kultivierten pfefferminze und der einfluss des frostes auf die zusammensetzung des pfefferminzöles. Ber. Deut. Pharm. Ges. 33: 190-195. S.1923. no.6/7.

Zimmermann, Walther
Friedrich Wilhelm Schultz (1804-1876) ein unverdient vergessener apotheker und florist. Ber. Deut. Pharm. Ges. 33: 205-210. S.1923.

Better Fruit

Allen, F. W.
Growing of Japanese persimmons. Better Fruit v.18,no.6, p.11-12. illus. D.1923.

Reimer, F. C.
Blight and other pear problems. Better Fruit v.18, no.6, p.5-6. illus. D.1923.

Biochem. Zeitschr.

Lepeschkin, W. W.
Permeabilitätsänderungen des protoplasmas nach der methode der isotonischen koeffizienten. Biochem. Zeitschr. 142: 291-307. 1923. no.3/4.

Sjöberg, Knut
Beiträge zur kenntnis der amylase in pflanzen III. Biochem. Zeitschr. 142: 274-279. N.6,1923. no.3/4.

Bot. Gaz.

Brannon, J. M.
Influence of glucose and fructose on growth of fungi. Bot. Gaz. 76: 257-273. N.1923. no.3.
Literature cited: p. 271-273.

Hale, J. D.
The bars or rims of Sanio. Bot. Gaz. 76:241-256. illus., pl. xxiv-xxvi. N.1923. no.3.
Literature cited: p. 255.

Lund, E. J.
Electrical control of organic polarity in the egg of Fucus. Bot. Gaz. 76: 288-301. illus., pl. xxvii. N.1923. no.3.
Literature cited: p. 301.

Namikawa, Isawo
Growth of pollen tubes in self-pollinated apple flowers. Bot. Gaz. 76: 302-310. illus. N.1923. no.3.
Literature cited: p. 309-310.

Bot. Gaz. (cont.)

Pool, R. J.
Xerophytism and comparative leaf anatomy in relation to transpiring power. Bot. Gaz. 76: 221-240. pl. xx-xxiii. N.1923. no.3.
Literature cited: p. 239.

Robbins, W. J. and Maneval, W. E.
Further experiments on growth of excised root tips under sterile conditions. Bot. Gaz. 76: 274-287. illus. N.1923. no.3.

Bull. Jard. Bot. Buitenzorg.

Alderwerelt van Rosenburgh, C. R. W. K. van
New or interesting Malayan ferns. 12. Bull. Jard. Bot. Buitenz. III, 5: 179-240. D.1922 (Rec'd. Dec.1923) no.3.

Cammerloher, Hermann
Die loganiaceen und buddleiaceen Niederländisch-Indiens. Bull. Jard. Bot. Buitenz. III, 5: 294-336. illus. Ag.1923. no.4.
Literaturverzeichnis: p. 336-337.

Overeem, Caspar van
Beiträge zur pilzflora von Niederländisch Indien Bull. Jard. Bot. Buitenz. III, 5: 247-293. illus. Ag.1923.
1. Ueber Chondromyces aurantiacus. 2. Nectriella (Cryptonectriella) geoglossi n. sp.) 3. Ueber eine blattfleckenkrankheit von Baccaurea javanica (Physalospora baccaureae n. sp.) 4. Ueber die von Holtermann aufgestellten arten Calocera odorata und C. Major. 5. Ueber Javanische Clavariaceae. 6. Ueber einige Rumphianische arten. 7. Ueber Geotrichum zingiberis saccharati n. sp. 8. Ueber Clasterosporium glomerae n. sp. 9. Ueber Spegazzinia ornata.

Smith, J. J.
Tafeln javanischer orchideen. Bull. Jard. Bot. Buitenz. III, 5: 245. pl. 18-37. D.1922. (Rec'd. D.1923.) no.3.
Unter obigem titel beabsichtige ich die figuren der in den nachträgen zu "Die orchideen von Java behandelten arten zu veröffentlichen.

Valeton, Theodoric
Alpinia hulstijnii Val. nov. spec. (Zingiberaceae) Bull. Jard. Bot. Buitenz. III, 5: 343-345. pl. 39. Ag.1923. no.4.

Valeton, Theodoric
Phrynium obscurum T. et B. Eine noch unvollständig bekannte Marantacea (Neue beschreibung nach der lebenden pflanze) Bull. Jard. Bot. Buitenz. III 5: 339-342. illus., pl. 38. Ag.1923. no.4.

Bull. Sci. Pharm.

Guillaume, Albert
Sur la teneur en alcaloïdes des graines de quelques légumineuses (genres Lupinus et Lathyrus) Emploi du silicotungstate de potassium. Bull. Sci. Pharm. 30: 604-609. N.1923. no.11.
Bibliographie: p. 608-609.

Perrot, Emile
Le premier herboriste diplômé de France: Edme Gillot (1778) Bull. Sci. Pharm. 30: 624-630. N.1923. no.11.

Bull. Soc. Chim. Biol.

Bridel, Marc
Etude biochimique sur la composition du Monotropa hypopitys L.: obtention d'un nouveau glucoside, la monotropéine. Bull. Soc. Chim. Biol. 5: 722-730. S.-O.1923. no.8.

Calif. Citrogr.

Mertz, W. M.
Windburning of citrus trees. Calif. Citrogr. 9:85, 101, 103-105. Ja.1924. no.3.

Citrus Indust.

Cambron, L. R.
Some suggestions on dusting. Citrus Indust. v. 4, no.12, p.16. D.1923.

Lenfest, R. E.
Dieback of citrus trees. Citrus Indust. v.4, no.12, p.5-7. D.1923.

Citrus Leaves

Fawcett, H. S., Horne, W. T. and Camp, A. F.
Citrus blast and black pit caused by same bacteria. Citrus Leaves. v.2, no.12, p. 1-3. illus. D.1923.

Fawcett, H. S.
Gum diseases of California citrus fruits. Citrus Leaves. v.2, no.12, p. 6-7, 9, 16-18. illus. D.1923.

Compt. Rend. Acad. Agr. France

Mangin, Louis
Observations sur le Monilia de l'abricotier et le Coryneum du pêcher dans la vallée du Rhone. Compt. Rend. Acad. Agr. France. 9: 868-873. N.28,1923. no.34.

Marchal, Paul
La lutte contre les insectes par les champignons parasites. Compt. Rend. Acad. Agr. France. 9: 863-867. N.28,1923. no.34.

Compt. Rend. Acad. Sci. Paris

Ravaz, Louis and Verge, G.
Le rougeau de la vigne. Compt. Rend. Acad. Sci. Paris. 177: 1237-1238. D.1923. no.23.
Lack of aeration in soil

Souèges, René
Embryogénie des salicacées. Développement de l'embryon chez le Salix triandra L. Compt. Rend. Acad. Sci. Paris 177: 1234-1237. illus. D.1923. no.23.

Compt. Rend. Assoc. Franç. Avanc. Sci.

Blaringhem, Louis
Nouvelles recherches sur les hybrides. Compt. Rend. Assoc. Française Avancement Sci. 46: 322-330. illus. 1923.

Cadoret, Arthur
La lutte contre le mildiou de la vigne au-dessus de la ligne Bordeaux-Briançon. La vigne bleue. Compt. Rend. Assoc. Française Avancement Sci. 46: 869-872. 1923.

Dufrenoy, Jean
Les maladies parasitaires des plantes de la Vallee de Bareges. Compt. Rend. Assoc. Française Avancement Sci. 46: 371-375. 1923.

Emberger, Louis
Sur l'evolution des plastides chez les vegetaux (Equisetacees) Compt. Rend. Assoc. Française Avancement Sci. 46: 330-333. illus. 1923.

Lagarde, J.
Quelques remarques sur le genre Verpa. Compt. Rend. Assoc. Française Avancement Sci. 46: 334-339. illus. 1923.

Pellegrin, François
Remarques sur quelques legumineuses-papilionees du Mayombe congolais. Compt. Rend. Assoc. Française Avancement Sci. 46: 377-382. 1923.

Perret, Claude
La maladie de l'enroulement des pommes de terre dans le centre. Compt. Rend. Assoc. Française Avancement Sci. 46: 884-889. illus. 1923.

Sartory, Auguste and Bailly, P.
Action combinee de l'agitation et du sulfate de thorium sur l'Aspergillus fumigatus Fr. Compt. Rend. Assoc. Française Avancement Sci. 46: 788-790. 1923.

Sartory, Auguste and Bailly, P.
Influence des sels de terres rares sur la structure du mycelium de l'Aspergillus fumigatus Fr. et sur la formation de l'appareil conidien. Compt. Rend. Assoc. Française Avancement Sci. 46: 783-788. illus. 1923.

Sartory, Auguste and Maire, L.
Le Polyporus tomentosus, Fr. Le type, ses formes, ses variétés. Compt. Rend. Assoc. Française Avancement Sci. 46: 773-783. illus. 1923.

Soursac, Louis
Etude de quelques maladies de la laitue et des moyens de les prevenir ou de les combattre. Compt. Rend. Assoc. Française Avancement Sci. 46: 845-849. 1923.
I. Pourriture du collet de la laitue et de la chicorée. II. Le cabuchage de la laitue. III. Laitue composée.

Comp. Rend. Soc. Biol. Paris
Aubertot, Maurice
Présence du Leptomonas davidi Lafont chez une euphorbe d'Alsace Compt. Rend. Soc. Biol. Paris 89: 1111-1113. D.1923. no.34.

Petrescu, C.
Contribution a l'étude biologique de la flore de Moldavie. Compt. Rend. Soc. Biol. Paris. 89: 1067-1068. N.24,1923. no.33.
"Puccinia malvacearum et 3 espècesdu genre maiva."

Country Life
Bean, W. J.
Fir cones. Country Life 54: 856-858. illus. D.1923. no.1406.

Flora
Czurda, Viktor
Zur kenntnis der brutwiebeln von Lycopodium selago und L. lucidum. Flora 116: 457-475. illus. 1923.
Literaturverzeichnis: p. 475.

Demeter, Karl
Ueber "plasmotysen"-myrkorrhiza Flora 116: 405-456. illus., pl. vii. 1923. no.4.
Literaturverzeichnis: p. 453-456.

Florida Grow.
Lord
Grape diseases. Florida Grow. v.28, no.24, p. 7. illus. D.15,1923.

Fruitman.
Pierce, D. W.
The bearing of climatic laws on plant and animal activity II. Fruitman v.3, no.10,p.7,15. O.1923.

Garden
Irving, Walter
Toadflaxes and snapdragons. Garden 87: 633-634. illus. D.8,1923. no.2716.

Gard. Chron.
T. F. Cheeseman. Gard. Chron. III, 74: 343. D.8,1923. no. 1928.
Notice of death.

Gard. Illus.
Dykes, W. R.
Wild species of tulip. Gard. Illus. 45: 769 illus. D.8,1923. no. 2335.

Gard. Mag.
Wilson, E. H.
Travel tales of a plant collector. XI. The tropics of the old world pt.2. Gard.Mag. 38: 285-287. illus. Jan.1924. no.5.

Geogr. Journ.
Stigand, A. G.
Ngamiland. Geogr. Journ. 62: 401-419. plates. D.1923. no.6.

Gulf Coast Grow.

James, C. P.
Blueberries; a little known crop. Gulf Coast Grow. v.1, no.8/9. p. 1-2, 8. illus. O.-N. 1923.

Pressey, H. F.
Frost protection of a citrus property. Gulf Coast Grow. v.1, no. 8/9. p. 9-10, 12. O.-N. 1923.

Jahrb. Wiss. Bot.

Gradmann, Hans.
Die windschutzeinrichtungen an den spaltöffnungen der pflanzen. Jahrb. Wiss. Bot. 62: 449-527. illus. S. 1923. no. 4.
Literatur: p. 525-527.

Schilling, Ernst.
Ein beitrag zur physiologie der verholzung und des wundreizes. Jahrb. Wiss. Bot. 62: 528-562. illus. S. 1923. no. 4.
Literaturverzeichnis: p. 561-562.

Stoppel, Rose.
Beitrag zum problem der perzeption von licht- und schwerereiz durch die pflanze. Jahrb. Wiss. Bot. 62: 563-593. S. 1923. no. 4.
Literatur: p. 592-593.

Journ. Agr. Res.

Baughman. W.F. & Jamieson, G. S.
The constituents of "Chufa" oil, a fatty oil from the tubers of Cyperus esculentus Linné. Journ. Agr. Res. 26: 77-82. O.13, 1923. no.2.
Literature cited: p.82.

Khazanoff, Amram.
A new tumor of the apricot. Journ. Agr. Res. 26: 45-60. pl. 1-13. O.13, 1923. no. 2.
Literature cited: p. 59.

Power, F.B. & Chesnut, V.K.
Chemical examination of "Chufa", the tubers of Cyperus esculentus Linné. Journ. Agr. Res. 26: 69-75. O.13, 1923. no. 2.
Literature cited: p. 75.

Journ. Agr. Sci.

Engledow, F.L. & Wadham, S.M.
Investigations on yield in the cereals. I- Journ. Agr. Sci. 13: 390-439. illus., pl. iv. 1923. no.4.
Bibliography: p. 437-439.

Salaman, R. N.
The determination of the best method for estimating potato yields, together with a further note on the influence of size of seed on the character and yield of the potato. III. Journ. Agr. Sci. 13: 361-389. O. 1923. no. 4.
Bibliography: p. 389.

Journ. Dept. Agr. Victoria.

Castella, F. de. & Brittlebank, C.C.
Oidium of the vine. Uncinula spiralis (Berkeley & Cooke.) Journ. Dept. Agr. Victoria. 21: 673-685, illus. N. 1923. no. 11.

Journ. Hered

Kempton, J. H.
Dead leaf margins. Journ. Hered. 14: 349-351. illus. N. 1923 (Rec'd Dec.) no. 8.
Heritable characters of maize XVI.

Richey, F. D.
Defective seeds in maize - an ancient character. Journ. Hered. 14: 359-360. illus. N. 1923 (Rec'd Dec.) no. 8.
Literature cited: p. 360.

Journ. Min. Agr. Gt. Brit.

Ware, W. M.
"Scorch" or Gloeosporium disease of red clover. Journ. Min. Agr. Gt. Brit. 30: 833-836. plates. D. 1923. no. 9.

Malayan Agr. Journ.

Belgrave, W.N.C.
Report of the plant physiologist. Malayan Agr. Journ. 11: 306-308. O. 1923. (Rec'd D.) no. 10.

Jack, H. W.
Annual report of the economic botanist. Malayan Agr. Journ. 11: 263-266. O. 1923. (Rec'd D.) no. 10.

Sharples, A.
Annual report of the mycologist. Malayan Agr. Journ. 11: 267-272. O. 1923. (Rec'd D.) no. 10.

South, F. W.
Annual report of the chief agricultural inspector for 1922. Malayan Agr. Journ. 11: 242-262. O. 1923 (Rec'd D.) no. 10.

South, F. W.
Diseases and pests of rubber. Malayan Agr. Journ. 11: 244-248. O. 1923. (Rec'd. D.) no. 10.
Contained in Ann. Rep. of the chief agr. inspector for 1922.

Monatsh. Chem.

Dischendorfer, Otto
Untersuchungen auf dem gebiete der phytochemie I. mitteilung. Monatsh. Chem. 44: 123-139. O. 1923. no. 3/4.
I. Ueber das betulin.

Späth, Ernst & Gangl, Josef.
Ueber die anhalonium-alkaloide VI. Anhalonin und lophophorin. Monatsh. Chem. 44: 103-113. O. 1923. no. 3/4.

Mycologia.

Herre, A. W. C. T.
Cordyceps sphingum (SCHW.) in the Philippines. Mycologia. 15: 280-281. illus. N. 1923. no. 6.

Humphrey, C. J.
Decay of lumber and building timbers due to Poria incrassata (B. & C.) Burt. Mycologia, 15: 258-277. pl. 28-30. N. 1923. no. 6.

Murrill, W. A.
Florida fungi. I- Mycologia. 15: 278-279, N. 1923. no. 6.

Walker, L. B.
Some observations on the development of Endogone malleola Hark. Mycologia. 15: 245-257. pl. 26-27. N. 1923. no. 6.
Literature cited: p. 256.

Nat. Hist.

Jones, F. M.
The most wonderful plant in the world, with some unpublished correspondence of Charles Darwin.
Nat. Hist. 23: 589-596. illus. N./D. 1923.
no. 6.
Venus's fly-trap (Dionaea muscipula)

New Zeal. Journ. Agr.

Levy, E. B.
The grasslands of New Zealand Ser. II. The Taranaki back-country. New Zealand Journ. Agr. 27: 281-293. illus. N. 1923. no. 5.

Notizbl. Bot. Gart. Berl.

Fries, T.C.E.
Beiträge zur kenntnis der flora des Kenia, Mt. Aderdare und Mt. Elgon. Notizbl. Bot. Gart. Berlin. 8: 475-504. illus. Ag. 1923 (Rec'd D.) no. 77.

Fries, T.C.E.
Die Swertia-arten der afrikanischen Hochgebirge. Notizbl. Bot. Gart. Berlin. 8: 505-534. illus. Ag. 1923 (Rec'd D.) no. 77.

Markgraf, Fr.
Ueber die verwandtschaftliche gliederung und die verbreitung der gattung Acocanthera G. Don. Notizbl. Bot. Gart. Berlin. 8: 459-474. illus. Ag. 1923.(Rec'd D.) no. 77.

Pilger, Robert.
Plantae lützelburgianae brasilienses II. Notizbl. Bot. Gart. Berlin. 8: 535-536. Ag. 1923. (Rec'd D.) no. 77.

Pilger, Robert.
Rosaceae-chrysobalanoideae austro-americanae novae vel minus cognitae. Notizbl. Bot. Gart. Berlin. 8: 537-543. Ag. 1923. (Rec'd D.) no. 77.

Schulz, O. E.
Eine neue sektion der gattung Cochlearia L. Notizbl. Bot. Gart. Berlin. 8: 544-546. Ag. 1923. (Rec'd D.) no. 77.

Notulae Sys. Herb. Hort. Bot. Petrop.

Alechin, V. V.
Alchimilla semilunaris n.sp. Notulae System. Herb. Hort. Bot. Petrop. 3: 132. Ag. 19, 1922. no. 32/33.

Aleksandrov, L. P.
Anemone ranunculoides L. and varieties. Notul. System. Herb. Hort. Bot. Petrop. 3: 185-190. D.2, 1922. no. 47/48.
Russian: Latin diagnosis.

Busch, N.A.
De conspecie arabide petraea Lam. in Sibiria et Oriente extremo. Notul. System. Herb. Hort. Bot. Petrop. 3: 9-16. map. Ja.28, 1922. no. 3/4.
Russian with Latin diagnosis.
Arabis septentrionalis, A. media, A. amurensis, A.maximoviczi.

Notulae Sys. Herb. Hort. Bot. Petrop. (cont.)

Czerniakowska, E. G.
Revisio Gypsophilarum turkestanicarum e sectione capituliformes Williams. Notul. System. Herb. Hort. Bot. Petrop. 3: 124-131. Ag.19, 1923. no. 32/33.
Russian; Latin diagnosis.

Czerniakowska, E. G.
Fragmenta florae Transcaspicae I. Generis orchidis species turkestanicae novae et rariores. Notul. System. Herb. Hort. Bot. Petrop. 3: 146-148. S.16, 1922. no. 36/37.
Russian; Latin diagnosis.
Orchis fedtschenkoi n.sp.

Fedchenko, B. A.
De plumbeginaceearum nonnullarum phylogenesi Notul. System. Herb. Hort. Bot. 3: 1-4. illus. (map) Ja.6, 1922. no. 1.
Russian with Latin diagnosis.
Chomutowia gen.nov. C. ekatherinae.

Fedchenko, B. A.
De generis Tamaricis specie nova annua. Notul. System. Herb. Hort. Bot. Petrop. 3: 182-184. N.18, 1922. no. 44/46.
Russian with Latin diagnosis.
T. spiridonowi.

Flaksberger, Konstantin.
Triticum compactum auct. Notul. System. Herb. Hort. Bot. Petrop. 3: 29-30. illus., pl. Mr.4, 1922. no. 8/9.
English resumé: p. 36.
T. compactum subspecies of T. vulgare.

Iljin, M. M.
Anacantha Iljin - cirsii sectio nova. Notul. System. Herb. Hort. Bot. Petrop. 3: 57-66. Ap.29, 1922. no. 16/17.
C. mirum sp.n., C. jucundum, C. darwasicum comb. nov.

Iljin, M. M.
Echinopes novi. Notul. System. Herb. Hort. Bot. Petrop. 3: 173-181. N.18, 1922. no.44/46.

Iljin, M. M.
Lathyrus litvinovi Iljin sp.nov. Notul. System. Herb. Hort. Bot. Petrop. 3: 92. Je.10, 1922. no. 22/23.

Iljin, M. M.
Olgaea genus novum ex Asia centrali. Notul. System. Herb. Hort. Bot. Petrop. 3: 141-146. S.16, 1922. no. 36/37.

Iljin, M. M.
Saussurearum species novae Asiaticae. Notul. System. Herb. Hort. Bot. Petrop. 3: 101-103. Jl.1, 1922. no. 26.
S. sulcata, S. caespitosa sp. n.

Juzepchuk, P. N.
Descriptiones alchimillarum novarum 1-2. Notul. System. Herb. Hort. Bot. Petrop. 3: 41-48. Mr.25, 1922. no. 11/12.
A. cymatophylla, A. heptagona.

Notulae Sys. Herb. Hort. Bot. Petrop. (cont.)

Korovin, E.
De generis Acantholimon specie nova e Transcaspia Notul. System. Herb. Hort. Bot. Petrop. 3: 191-192. D.2, 1922. no. 47/48.
Russian; Latin diagnosis.
A. puchellum.

Kosinsky, K.
Asplenium pseudofontanum sp.n. Notulae Sys. Herb. Hort. Bot. Petrop. 3: 121-124. map. Ag.5, 1922. no. 31.

Kosinsky, K.
Asplenium samarkandense sp.n. Notul. System. Herb. Hort. Bot. Petrop. 3: 67-68. Ap.29, 1922. no. 15/17.

Kozo-Polianski, B.M.
Species novae V-VI. Notul. System. Herb. Hort. Bot. Petrop. 3: 69-72, 171-172. My.6, O.28, 1922. no. 18, 42/43.
Carum aphanopleurae, Ferula syreitschikowi, F. kelleri.
Russian; Latin diagnosis.

Krashenninikov, I. M.
Compositae austro-amerianae novae I. Notul. System. Herb. Hort. Bot. Petrop. 3: 157-162. O.14, 1922. no. 40/41.

Krashenninikov, I. M.
Generis Artemisia species novae II. Notul. System. Herb. Hort. Bot. Petrop. 3: 17-28. F.18, 1922. no. 5/7.
Russian with Latin diagnosis.

Krashenninikov, I. M.
De generibus Cancrinia Kar. et Kir., Trichanthemis Rgl. et Schm. et Lepidolopha C. Winkl. Notul. System. Herb. Hort. Bot. Petrop. 3: 73-34. My.27, 1922. no. 19/21.
Russian; Latin diagnosis.

Kuznetsov, N. I.
Florae articae origo. I. Genus Dryas L. Notul. System. Herb. Hort. Bot. Petrop. 3: 93-100, 133-140, 149-154. map. Je.24, S.2, 30; 1922. no. 24/25, 34/35, 38/39.
Russian; Latin diagnosis.

Lawrenko, E.
Festuca rubra L. var. cretacea Lawrenko. Notul. System. Herb. Hort. Bot. Petrop. 3: 5-8. Ja.14, 1922. no.2.

Litvinov, Dimitri.
Betula divaricata Led. Notul. System.Herb. Hort. Bot. Petrop. 3: 193-198. D.16, 1922. no. 49/50.
In Russian.

Ovchinnikov, P. N.
Androsace olgae Ovczinn, sp.n. Notul. System. Herb. Hort. Bot. Petrop. 3: 103-104. Jl.1, 1922. no.26.

Notulae Sys. Herb. Hort. Bot. Petrop. (cont.)

Ovchinnikov, P. N.
De Ranunculo auricomo et Ranunculo caesubico auct. Fl. Sibir. Notul. System. Herb. Hort. Bot. Petropol. 3: 49-56. Ap.8, 1922. no. 13/14.
Russian; Latin diagnosis.
R. monophylla, R. anadryriensis n.sp.

Raikova, H. A.
Ammodendron longiracemosum H. Ra. sp.n. Notul. System. Herb. Hort. Bot. Petrop. 3: 163-164. O.14, 1922. no. 40/41.
Russian; Latin diagnosis.

Roshevitz, R.
Generis Calamgrostis species novae. Notul. System. Herb. Hort. Bot. Petrop. 3: 199-200. D.16, 1922. no. 49/50.
Russian; Latin diagnosis.
C. alopecuroides, A. agrostiiformis.

Roshevitz, R.
Poae novae Sibiricae. Notulae System. Herb. Hort. Bot. Petrop. 3: 91-92. Je.10, 1922. no. 22/23.
P. pseudoabbreviata, P. irkutica.

Roshevitz, R.
Triseta nova Asiatica. Notul. System. Herb. Hort. Bot. Petrop. 3: 85-90. map. Je.10, 1922. no.22/23.
T. altaicum, T. seravschanicum.

Tolmachev, A. I.
Labiatae riedelianae. Notul. System. Herb. Hort. Petrop. 3: 165-170. O.28, 1922. no. 42/43.
Rissian; Latin diagnosis.
Eriope silvatica, E. tomentosa.

Wolf, Egbert.
Juniperus nienannii sp.nov. Notul. System. Herb. Hort. Bot. Petrop. 3: 37-40. Mr.11, 1922. no.10.

Ochrana Rostlin.

Baudyš, Eduard.
Předčansé opadávání listu platanových. Ochrana Rostlin. 3: 41-42. illus. N. 1923. no. 5.
Leaf and twig blight of sycamore.

Pharm. Journ.

Woodhead, John E.
How to make a herbarium. Pharm. Journ. 111: 604. D.8, 1923. no. 3138.
Supplement and criticism to "How to make a herbarium" by Edward M. Holmes, in Pharm. Journ. N.24, 1923.

Phytopath.

Allard, H. A.
Some possible relationships of the mosaic diseases. Phytopath. 13: 555-557. D. 1923. no. 12.

Doran, W. L.
Toxicity studies with some copper fungicides. Phytopath. 13: 532-542. D. 1923. no. 12.
Literature cited: p. 541-542.

Phytopath. (cont.)

Fahmy, T.
The production by Fusarium solani of a toxic excretory substance capable of causing wilting in plants. Phytopath. 13: 543-550. D. 1923. no.12.

Hotson, J. W. & Hartge, Lena.
A disease of tomato caused by Phytophthora mexicana, sp.nov. Phytopath. 13: 520-531. illus., pl. xxii-xxiii. D. 1923. no. 12.
Literature cited: p. 530-531.

Mackie, W.W. & Paxton, G.E.
A new disease of cultivated barley in California caused by Helminthosporium californicum, n.sp. Phytopath. 13: 562. D. 1923. no. 12.

Mackie, W.W.
Foot-rot or Ophiobolus in California. Phytopath. 13: 561-562. D. 1923. no. 12.

Rhoads, A. S.
Notes on the failure of grapevines to set fruit and on shelling. Phytopath. 13: 513-519. pl. xxi. D. 1923. no. 12.
Literature cited: p. 519.

Roberts, J. W.
A method of isolating selected single spores. Phytopath. 13: 558-560. illus. D. 1923. no. 12.

Tisdale, W. H.
An effective method of inoculating barley with covered smut. Phytopath. 13: 551-554. D. 1923. no.12.

Proc. Indiana Acad. Sci.

Anderson, Flora.
Development of sporogenous tissue in the foot of the sporophyte of Porella navicularis. Proc. Indiana Acad. Sci. 38 (1922): 261-262. illus. 1923.

Anderson, Flora.
Unusual stipules of Acer nigrum Michaux. Proc. Indiana Acad. Sci. 38 (1922): 259-261. illus. 1923.

Andrews, F. M.
Chloroplasts of Martynia fragrans. Proc. Indiana Acad. Sci. 38 (1922): 267-268. illus. 1923.

Andrews, F.M.
The effect of pressure on growth. Proc. Indiana Acad. Sci. 38 (1922): 265-266. 1923.
Experiments with effect of water pressure on corn seedlings.

Andrews, F. M.
Quantitative estimation of aeration in leaves. Proc. Indiana Acad. Sci. 38 (1922): 268-270. 1923.

Andrews, F. M.
Second blooming of snowball bush in the same year. Proc. Indiana Acad. Sci. 38 (1922): 270-271. 1923.

Andrews, F. M.
Some problems of plant physiology. Proc. Indiana Acad. Sci. 38 (1922): 37-55. 1923.
Literature cited: p. 53-55.

Proc. Indiana Acad. Sci. (cont.)

Andrews, F. M.
An unusual iris. Proc. Indiana Acad. Sci. 38 (1922): 270. 1923.
Unusual form of Iris versicolor.

Deam, C. C.
Plants new to Indiana XI. Proc. Indiana Acad. Sci. 38 (1922): 263-264. 1923.

Dietz, H. F.
Earl Jerome Grimes. Proc. Indiana Acad. Sci. 38 (1922): 35-36. 1923.
Papers by E.J. Grimes: p. 36.

Gregory, C. T.
Onion smut in Indiana. Proc. Indiana Acad. Sci. 38 (1922): 318-320. 1923.

Gregory, C. T.
The present status of the hot water treatment in Indiana. Proc. Indiana Acad. Sci. 38 (1922): 315-318. 1923.

Hansen, A. A.
Recent Indiana weeds. Proc. Indiana Acad. Sci. 38 (1922): 293-295. 1923.

Hansen, A. A.
Wild corn, a serious weed in Indiana. Proc. Indiana Acad. Sci. 38 (1922): 295-296. 1923.
Andropogon sorghum drummondii.

Heimlich, L. F.
Plants of White County V. Proc. Indiana Acad. Sci. 38 (1922): 281-289. illus. 1923.

Jackson, H. S.
The Ustilaginales of Indiana. III. Proc. Indiana Acad. Sci. 38 (1922). 291-292. 1923.

Kendrick, J. B.
Phytophthora rot of tomato, eggplant and pepper. Proc. Indiana Acad. Sci. 38 (1922): 299-306. illus. 1923.

Kendrick, J. B. & Gardner, M. W.
A simple method of determining the thermal death-point. Proc. Indiana Acad. Sci. 38(1922): 257-258. illus. 1923.

Mains, E. B.
Differences in the susceptibility of clover to powdery mildew. Proc. Indiana Acad. Sci. 38 (1922): 307-313. illus. 1923.

Markle, M. S.
Notes on microtechnique II Proc. Indiana Acad. Sci. 38 (1922): 323-324. 1923.

Mottier, D. M.
Polyembryony in certain nut bearing pines. Proc. Indiana Acad. Sci. 38 (1922): 297-298. illus. 1923.

Van Hook, J. M.
The making of genera of fungi. Proc. Indiana Acad. Sci. 38 (1922): 321-322. 1923.

Proc. Indiana Acad. Sci. (cont.)
Yuncker, T.G.
The Convolvulaceae of Indiana. Proc. Indiana Acad. Sci. 38:(1922): 273-280. illus. 1923.

Proc. Linn. Soc. N. S. W.
Blakely, W. F.
The Loranthaceae of Australia. pt.iv. Proc. Linn. Soc. N.S.W. v.48, pt.2. p. 130-152. pl. iii-xiv. Je. 1923. no. 191.

Lawson, A. A.
The life history of Microcachrys tetragona (Hook) Proc. Linn. Soc. N.S.W. v.48, pt.2. p. 177-193. illus., pl. xv-xvi. Je. 1923. no. 191.
Literature cited: p. 192-193.

McLuckie, John.
Studies in symbiosis. III-IV. Proc. Linn. Soc. N.S.W. v.48, pt.2. p. 82-93, 194-204. illus. Je. 1923.
III. Contribution to the morphology and physiology of the root-nodules of Podocarpus spinulosa and P. elata.
IV. The root-nodules of Casuarina cunninghamiana and their physiological significance.

Proc. R. Soc. Victoria.
McLennan, Ethel.
Additions to the Australian ascomycetes. I- Proc. Roy. Soc. Victoria. 35: 153-158. illus., pl. ix-x. My. 1923. no.2.
References: p. 158.

Quart. Journ. Ind. Tea Assoc.
Tunstall, A.C.
Some observations on stem and root diseases. Quart. Journ. Indian Tea Assoc. Sci. Dept. 1923. p. 86-91. no.3.

Queensl. Agr. Journ.
White, C.T. & Francis, W.D.
Queensland trees. no.25. Pepperberry tree. Queensland Agr. Journ. 20: 362-364. pl. 95-96. N.1923. no.5.

Rev. Agr. Com. y Trab. Cuba.
Bruner, S. C.
La pudricion de la corona de la piña (Ananas sativa Schult. F.) Rev. Agr. Com. y Trab. Cuba. 5: 32-36. illus. 1923. no.10/11.
Caused by Phytophthora terrestris.

Calvino, E. M.de.
Anomalias sexuales en la floracion del Codiaeum variegatum (L.) Bl. Rev. Agr. Com. y Trab. Cuba. 5: 44-46. illus. 1923. no.10/11.

Calvino, Maria.
La ciruela gobernadora. Rev. Agr. Com. y Trab. Cuba. 5: 48-49. illus. 1923. no.10/11.
Flacourtia ramontchi.

Rev. Gén. Bot.
Carpentier, A.
Revue des travaux de paléontologie végétale publiés dans les cours des années 1910-1919. II. Mésozoïque. (cont.) Rev. Gen. Bot. 35: 585-591. N. 1923. no. 419.

Rev. Gén. Bot. (cont.)

Choux, Pierre.
Revue des travaux de botanique tropicale et subtropicale (1910-1919) Rev. Gen. Bot. 35: 576-584. N. 1923. no. 419.

Douin, Ch.
Recherches sur le gametophyte des marchantiées. III. Le thalle stérile des marchantiées. développement basialaire des feuilles et autres organes latéraux chez les muscinées. (cont.) Rev. Gen. Bot. 35: 553-565. N. 1923. no. 419.

Nicoloff, Théodor.
Contribution a la physiologie de la nutrition des parasites végétaux supérieurs. Rev. Gen. Bot. 35: 545-552. N. 1923. no. 419.

Téodorescu, E. C.
L'athermanéite des essences végétales et la transpiration. (concl.) Rev. Gen. Bot. 35: 566-575. N. 1923. no. 419.

Rev. Sci.

Costantin, Julien.
La vie mystérieuse des champignons. Mise au point du problème des mycorhizes ses conifères. Rev. Scient. 61: 733-737. illus. D.8, 1923. no. 23.

Rev. Vitic.

Maquenne, Léon
Action des sels de cuivre sur la végétation. Rev. Vitic. 59: 371-373. D.6, 1923. no. 1536.

Scient. Month.

Kenoyer, L.A.
Plant life of British India. Scient. Month. 18: 48-65. illus. Ja. 1924. no. 1.

U.S. Dept. Agr. Bull.

Florell, V.H.
Cereal experiments at Chico, California. U.S. Dept. Agr. Bull. 1172. 33 p. illus. Ag. 1923. (Rec'd D.)

Pearson, G.A.
Natural reproduction of western yellow pine in the southwest. U.S. Dept. Agr. Bull. 1105. 143 p. pl. i-xxii. Ap. 1923.
Literature cited: p. 142-143.

Univ. Calif. Publ. Agr. Sci.

Briggs, F.N.
The toxicity of copper sulfate to the spores of Tilletia tritici (Bjerk.) Winter. Univ. Calif. Publ. Agr. Sci. 4: 407-412. N. 1923. no. 13.
Literature cited: p. 412.

Vict. Nat.

Sutton, C.S.
Cradle Mountain (Tasmania) and its flora. Vict. Nat. 40: 131-137. pl. xi-xiii. N. 1923. no. 7.

Weekbl. Bloembollencult.

Westerdijk, Johanna.
Het berband tusschen den tuinbouw en de plantenziektenkunde. Weekbl. Bloembollencult. 34: 203-204, 210-211. D.4, 11, 1923. no. 45, 47.
See English version in Gard. Chron. (Relation between horticulture and phytopathology.)

Exper. Stat. Publ.

Edgerton, C.W.
The control of the bean anthracnose or pod spot disease. Louisiana State Univ. & Agr. & Mech. Coll. Ext. Div. Circ. 16. 4 p. illus. My. 1916.

Folsom, Donald.
Potato spindle-tuber. Maine Agr. Exp. Stat. Bull. 312. p. 21-44. plates. Ag. 1923 (Rec'd D.)

Waldron, L. R.
Kota wheat. North Dakota Agr. Exp. Stat. Circ. 19. 10 p. illus. N. 1922 (Rec'd D. 1923)
Rust resistant variety.

New Books.

Arnell, H.W.
Vegetationons arliga utvecklingsgang i Svealand 1923. (Medd. Stat. Meteor.-Hydorgr. Anst. bd.2, n:o 1)

Barns, T.A.
Across the great craterland to the Congo. London, 1923.

Bose, Sir J.C.
Life movements in plants. London, 1923. (Trans. Bose Inst. v. 3 & 4)

Durand, Herbert.
Taming the wildings. 380 p. New York, 1923.

Hartman, C.J.
Hartmans Handbok i Skandinaviens flora redigerad av Otto R. Holmberg. Stockholm, [1922] pt.1.

Knoll, Fritz.
Insekten und blumen, eperimentalle arbeiten zur vertiefung unserer kenntnisse über die wechselbeziehungen zwischen pflanzen und tieren. Abh. Zool.-Bot. Ges. Wien. v.12, hft. 1-2. 1921-22.

Lloyd, C.G.
Mycological notes no. 63-69. In his Mycological writings. v.7, no.3-4. Ja.-Jl. 1923.