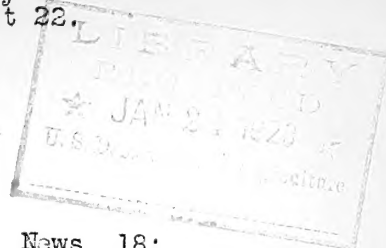


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Table

Date	Description	Amount	Balance
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1/15/17
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6/1/17
7/1/17
8/1/17
9/1/17
10/1/17
11/1/17
12/1/17
12/31/17	Balance		...



- Agr. News
Nowell, Wm.
Red ring diseases of coco-nuts Agr. News 18:
398 D.13, 1919. No.460,
Paper read before Board of agriculture, Trinidad
O.16, 1919.
- Amer. Midl. Nat.
Bush, B. F.
The Missouri Muhlenbergias II-IV Amer. Midl.
Nat. 6: 33-49, 57-77, 81-102 My.-N.1919. No.3/4-6.
Farwell, O. A.
Panicum lineare Linn. Amer. Midl. Nat. 6: 49-51
My./Jy.1919. No.3/4
- Ann. Rep. South Carolina Agr. Exp. Stat.
Barre, H. W.
Report of the division of botany Ann. Rep. South
Carolina Agr. Exp. Stat. 32(1918/19): 29-34 D.1919.
- Bergens Mus. Aarbeg
Jørgensen, E.
Die Euphrasia-arten Norwegens Bergens Mus.
Aarbeg 1916-17 Naturv. Raek. 5 337 p. xiv pl.
xi maps 1919
Litteraturliste: p. 328-333
- Bot. Gaz.
Belyea, H. C.
Ray tracheid structure in second growth Sequoia
washingtoniana. Bot. Gaz. 68: 467-473 illus.
D.1919. (Literature cited: p. 473)
Hendricks, H. V.
Torsion studies in twining plants Bot. Gaz. 68:
425-440 illus. D.1919 No.6.
Knudson, L. and Smith, R. S.
Secretion of amylase by plant roots. Bot. Gaz.
68: 460-466 illus. D.1919
Literature cited: p. 465-466
Schertz, F. M.
Early development of floral organs and embryonic
structures of Scrophularia marylandica Bot. Gaz.
68: 441-450 pl. xxvii-xxix D.1919. No.6.
Stevens, F. L.
Perithecia with an interasicular pseudoparenchyma
Bot. Gaz. 68: 474-476 pl. xxx D.1919. No.6.
Desmotascus gen. nov. D. portoricensis
Thompson, W. P.
Companion cells in bast of Gnetum and angiosperms
Bot. Gaz. 68: 451-459 illus. D.1919. No.6.
Literature cited: p. 459
Weaver, J. E. and Mogensen, A.
Relative transpiration of coniferous and broad-
leaved trees in autumn and winter Bot. Gaz. 68:
393-424 illus. D.1919. No.6.
Literature cited: p. 423-424
- Bull. Dept. Agr. & Hort. Univ. Coll. Reading
Mosley, F. O.
Pests of apple trees. American blight and canker
Bull. Dept. Agr. & Hort. Univ. Coll. Reading no.29
8 p. illus. [1919?]
- Bull. Econ. Indochine
Crevost, Ch. & Lemarié, Ch
Plantes et produits filamenteux et textiles de
l'Indochine (suite) Bull. Econ. Indochine 22:
675-709 illus. plates S./O.1919. No.138.

[The main body of the document contains several paragraphs of text that are extremely faint and illegible due to low contrast and blurring. The text appears to be organized into sections, but the specific content cannot be discerned.]

Bull. Jard. Bot. Buitenz. III.

Cohen Stuart, C.P.

A basis for tea selection Bull. Jard. Bot. Buitenz. III, 1: 193-320 pl. 22-31(incl. 3 maps). S.1919. No.4.

Contents: IV. The genus *Camellia* (L.) Sweet, V. The species *Camellia theifera* (Griff.) Dyer. VI. Four noteworthy *Camellia* species. App. A. Synoptical tables of the principal diagnoses of tea varieties extant in botanical literature.)

Bull. Soc. Bot. France

Bois, D.

Notice sur M. Maurice Lévêque de Vilmorin. Bull. Soc. Bot. France 66: 140-143 1919. No.3/4

Bois, D.

Sur un palmier nouveau le *Pelagodoxa henryana* Bull. Soc. Bot. France 66: 12-13 1919. No.1.

Bugnon, P.

Sur l'emploi du vert lumière (lichtgrün) (F.S.) en histologie végétale Bull. Soc. Bot. France 66: 44-49 1919. No.1.

Moreau, F.

Sur une nouvelle méthode d'étude du mouvement des microorganismes Bull. Soc. Bot. France 66: 66-79 1919. No.2.

Moreau, VF.

Les urédinées du groupe *Endophyllum* Bull. Soc. Bot. France 66: 14-44 illus. 1919. No.1.
Bibliographical foot notes

Reynier, Alfred

Aperçu sur la flore du Maroc occidental; d'après des récoltes et observations faites dans cette région par M. Perrier de la Bathie, en 1917-1918 Bull. Soc. Bot. France 66: 79-98 1919 No.2.

Bull. Soc. Bot. Genève II

Chaborski, G.

Recherches sur les levures thermophiles et cryophiles. Bull. Soc. Bot. Genève II, 11: 70-116 illus. Ja./Ap.1919

Zygosaccharomyces ficicola n. sp., *Asporomyces* n. gen. *A. asporus*
Studies on figs, bananas & *Arenga saccharifera*

Chodat, R.

Sur quelques faits de botanique et de géographie économique à Bourg-Saint-Pierre Bull. Soc. Bot. Genève II, 11: 30-41 Ja./Ap. 1919. No.1/4
Etudes faites au Jardin alpin de la "Linnaea" I.

Penard, E.

Mallomonas insignis spec. nova? Bull. Soc. Bot. Genève II, 11: 122-128 illus. Ja./Ap.1919.

Calif. Agr. Exp. Stat. Circ.

Batchelor, L. D. and Reed, H. S.

Winter injury or die-back of the walnut. Calif. Agr. Exp. Stat. Circ. 216 20 p. illus. N.1919.

Canad. For. Journ.

Pemberton, C. C.

An odd study of tree stumps. Grafted roots form underground pipe lines to keep alive the defoliated trunk Canad. For. Journ. 15: 498-501 illus. D.1919 No.12.

La Cellule

Smet, E. de

Chromosomes, prochromosomes et nucléole dans quelques dicotylées La Cellule 29: 333-377 v pl. 1914 (Liste bibliographique: p. 371-373)

Sharp, L. W.

Somatic chromosomes in *Vicia* La Cellule 29: 295-

Faint, illegible text, possibly bleed-through from the reverse side of the page. The text is arranged in several paragraphs and includes some numbers and dates, but is too light to transcribe accurately.

La Cellule (cont.)

331. v pl. 1914. (Literature cited: p.325-328.) No.3.

Compt. Rend. Acad. Sci. Paris

Dangeard, P. A.

Sur la distinction du chondriome des auteurs en vacuome Compt. Rend. Acad. Sci. Paris 169: 1005-1010 1919. No.22

Contr. Bot. Labor. Penn. Univ.

Pennypacker, J. Y.

Observations on the beach plum, a study in plant variations Contr. Bot. Labor. Penn. Univ. 4: 231-269 pl. lxvi-lxx. 1919. No.2. Bibliography: p. 268-269

Curt. Bot. Mag. IV, 15 Jy./S.1919.

- Kochia scoparia forma trichophila pl.8808
- Odontoglossum cristatum pl.8809
- Abelia longituba pl.8810
- Wistaria venusta pl.8811
- Iris reichenbachii pl.8812
- Delphinium pylzowii pl.8813
- Mosembryanthemum nobile pl.8814
- Rhododendron dichroanthum pl.8815
- Primula chionantha pl.8816
- Brachystelma foetidum pl.8817
- Crataegus wattiana pl.8818

Florida Grow.

Sherbakoff, O. D.

About trucking and truck diseases Florida Grow. v.21, no.1. p.8; no.2, p.8, 16, 18 illus. Ja.3, 10, 1920.

Stevens, H. E.

Citrus scab Florida Grow. v.21, no.1, p.9 illus. Ja.3, 1920.

Fühl. Landw. Zeit.

Baumann, E.

Zur frage der individual- und der immunitätszucht bei der kartoffel. Fühl. Landw. Zeit. 67: 246-253 Jy.1918. No.13/14.

Becker, J.

Versuche zur unterscheidung landwirtschaftl. sämereien und futtermittel mit hilfe der serumreaktion. Fühl. Landw. Zeit. 67: 114-120 No.5/6 Mr.1918.

Broili, J.

Zur feststellung der Ustilago nuda im embryo der gerste Fühl. Landw. Zeit. 67: 335-337 S.1918. [Literatur]: p.336-337 no.17/18

Ehrenberg, P.

Zur frage der beizung des winterweizens gegen steinbrand. Fühl. Landw. Zeit. 67: 425-432 D.1918. No.23/24.

Schander, R.

Beobachtungen und versuche über kartoffeln und kartoffelkrankheiten im sommer 1917 Fühl. Landw. Zeit. 67: 204-226 illus. 1918. No.11/12.

Garden

Bowles, E. A.

Schinus molle Garden 83: 579-580 illus. D.6, 1919

Gilchrist, J. C.

Northern Russia, some flora of the Murmansk coast Garden 83: 582-583 illus. D.6, 1919

Gard. Chron. III.

Farrer, R.

Mr. Reginald Farrer's second exploration in Asia..11. Hpwashi bum. Gard. Chron. III, 66: 288-289 D.6, 1919.

Faint, illegible text, possibly bleed-through from the reverse side of the page. The text is scattered across the page and is mostly illegible due to low contrast and blurring.

Gard. Chron. III.

Rolfe, R. A.

The pre-Mendelian age Gard. Chron. III, 66:
288 D.6,1919.

Salmon, C. E.

Anemone halleri, A. pulsatilla and A. Montana
Gard. Chron. III, 66: 273 illus. N. 29, 1919.

Gard. Mag.

Wilson, E. H.

The romance of our trees IV. The Yew Gard.
Mag. 30: 213-217 illus. Ja.1920. No.6.

Gartenfl.

Laubert, R.

Phänologische und pflanzenpathologische notizen
aus dem jahre 1919 Gartenfl. 68: 172-175
Jy.15,1919. No.13/14.

Laubert, R.

Zur frage der uebertragbarkeit der peronospora-
ceen (falscher meltau) mittels der samen der wirts-
pflanze Gartenfl. 68: 175-176 Jy.15,1919.
No.13/14.

Iowa Agr. Exp. Stat. Circ.

Melhus, I. E. and Durrell, L. W.

Cereal rust and small grains Iowa Agr. Exp.
Stat. Circ. 62. 16 p. illus. N.1919.

Journ. Agr. Victoria

Brittlebank, C. C.

The Iceland poppy disease Journ. Agr. Victoria
17: 700 N.1919. No.11.

Caused by species of Phytophthora

Journ. Bd. Agr. Brit. Guiana

Hohenkerk, L. S.

British Guiana timbers Journ. Bd. Agr. Brit.
Guiana 12: 152-185 Jy.1919. No.3.

Under vernacular names

Waby, J. F.

Notes on a collection of preserved dry fruits and
seeds (cont.) Journ. Bd. Agr. Brit. Guiana 12:
198-205 Jy.1919. No.3.

Waby, J. F.

Some interesting species of palms. (cont.) Journ.
Bd. Agr. Brit. Guiana 12: 188-195 Jy.1919

Journ. Bot.

Church, A. H.

Historical review of the Florideae II Journ. Bot.
57: 329-334 D.1919 No.684.

Wernham, H. F.

Rubiaceae batesianae II Journ. Bot. 57: 342-347
D.1919. No.234

Journ. Coll. Sci. Imp. Univ. Tokyo

Yendo, K.

A monograph of the genus Alaria Journ. Coll. Sci.
Imp. Univ. Tokyo v.43, art. 1 143 p. xix pl.
My.30, 1919. (List of literature: p. 136-141)

Yoshii, Y.

Oekologische studien über vegetation der Ota dünen
Journ. Coll. Sci. Imp. Univ. Tokyo v.43, art. 3 68 p.
illus., ii pl. Jy.30,1919.

[The body of the page contains extremely faint and illegible text, likely bleed-through from the reverse side of the paper. The text is too light to transcribe accurately.]

Journ. Industr. & Engin. Chem.

Church, M. B.

Laboratory experiments on the manufacture of Chinese
ang-khak in the United States Journ. Industr. &
Engin. Chem. 12: 45-46 Ja.1920. No.1.

Bibliographical foot notes

Ang-khak(ang-quac), Chinese red rice, produced by
fungus, *Monascus purpureus* Went.

Rabak, F.

The effect of mold upon the oil in corn. Journ. Industr.
& Engin. Chem. 12: 46-48 Ja,1920, No.1.

Journ. R. Micros. Soc.

Mutch, N.

The isolation of the single bacterial cell Journ. R.
Micros. Soc. 1919 p.221-224 illus. S.1919. No.3.

Journ. Wash. Acad. Sci.

Blake, S. F.

A preliminary revision of the North American and
West Indian avocados (*Persea* spp.) Journ. Wash. Acad.
Sci. 10: 9-21 illus. Ja.4,1920. No.1.

P. cinerascens, *P. leiogyna* n. sp.

Month. Bull. Dept. Agr. Calif.

Howard, W. L.

Circumventing the pear blight Month. Bull. Dept.
Agr. Calif. 8: 603-604 O.1919. No.10.

Month. Bull. Ohio Agr. Exp. Stat.

Van Pelt, W.

Corn smut in Ohio Month. Bull. Ohio Agr. Exp.
Stat. 4: 323-324 illus. O,1919. No.10.

Nature

Bose, J. C.

The response of plants to wireless stimulation
Nature 104: 172-174 O.30,1919.

Naturw. Wochenschr.

Dahms, P.

Der pfeffermilchling *Lactarius piperatus* Scop. und
seine verwendung in Westpreussen Naturw. Wochenschr.
n.f., 18: 505-513 S.7,1919. No.36.

Literatur: p. 512-513.

Parfum, Mod.

Gattefossé, J. & Meunissier, A.

Les fleurs et les parfums en Chine. Parfum. Mod.
12: 172-174 O.1919. No.10.

Jahandiez, E.

Utilisation des lichens. Parfum. Mod. 12: 162-
166 illus. O.1919. No.10.

Lorgues, J. de

L'indentité de la monthe peivree du Japon Parfum.
Mod. 12: 159-160 O.1919. No.10.

Pharm. Journ.

Small, J.

The application of botany in the utilisation of medicinal
plants III Pharm. Journ. 103: 248-250 S.30,1919.
No.2918.

Philipp. Agr.

Baker, C. F.

A contribution to Philippine and Malayan technical bibli-
ography. Work fundamental to plant pathology and economic
entomology Philipp. Agr. 8: 32-37 Ag./S.1919.

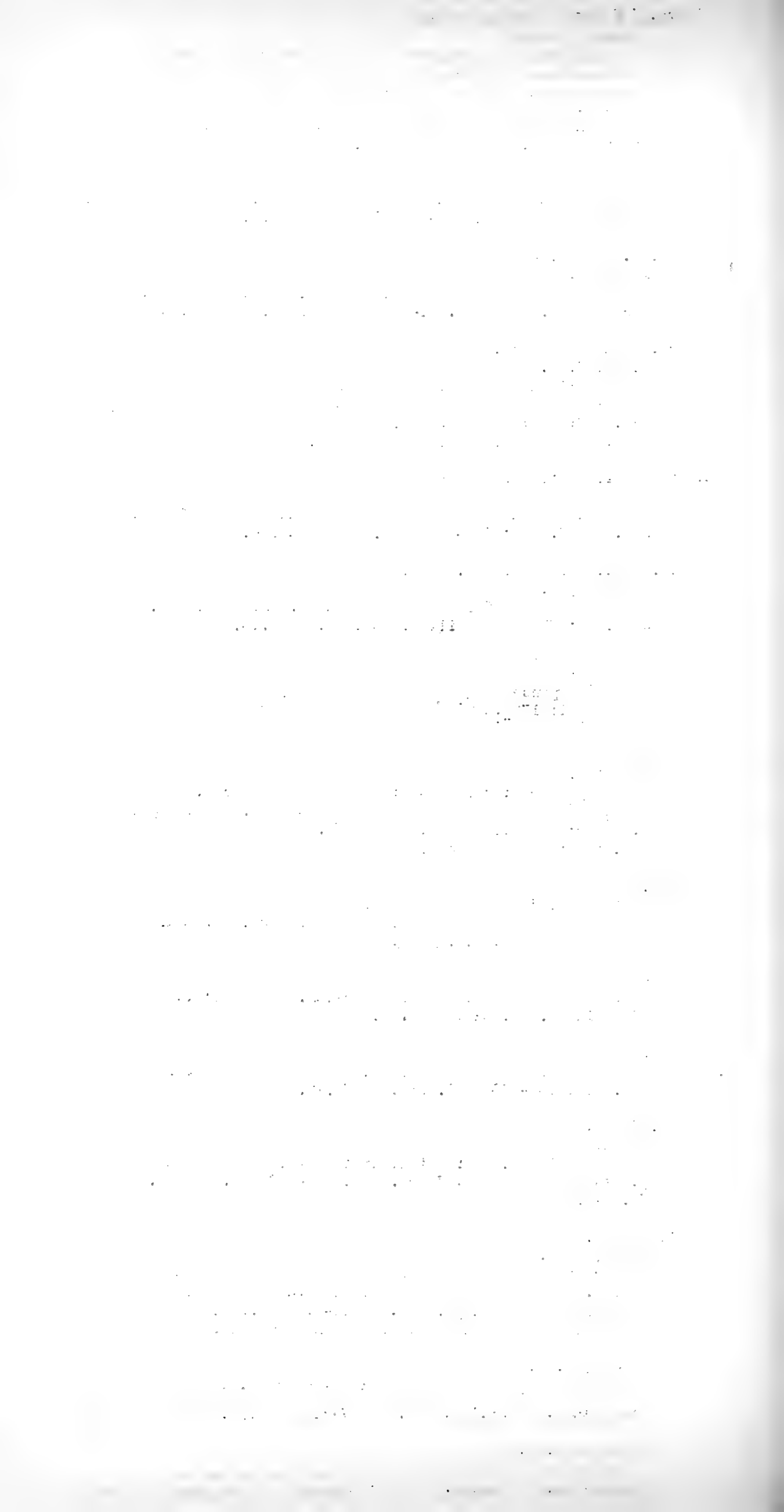
Mycological and Entomological contributions.

McLean, F. T.

Opportunities for research in plant physiology in the
Philippines. Philipp. Agr. 8: 27-31 Ag./S.1919. No.1/2.

Reinking, O. A.

Host index of diseases of economic plants in the
Philippines. Philipp. Agr. 8: 38-54 Ag./S.1919. No.1/2.



Philippine Agr.

Trelease, S. F.

Mount Makiling as a station for botanical research

Philippine Agr. 8: 6-16 pl.i-v Ag./S.1919. No.1/2.

Forman T. McLean, joint author

Phytopath.

Chapman, G. H.

"Cranck-neck": a non-parasitic disease of chrysanthemums
Phytopath. 9: 432-534 pl. x xxxvii
N.1919.

Hartley, C., Pierce, R.G., and Hahn, G.G.

Moulding of snow-smothered nursery stock Phytopath.
9: 521-531 N.1919. No.11.

Link, G. K. K. and Gardner, M. W.

Market pathology and market diseases of vegetables

Phytopath. 9: 497-520 N.1919. No.11.

Literature cited: p. 519-520

Orton, C. R.

The Long Island potato diseases conference

Phytopath. 9: 536-537 N.1919.

Held Jan. 24-28, 1919.

Shapavalov, M. and Edson, H. A.

Wound-cork formation in the potato in relation to
seed-piece decay Phytopath. 9: 483-496 illus.

N.1919. (Literature cited: p. 495-496)

Plant World

Pulling, H. E.

Sunlight and its measurement II Measurement of solar
radiation Plant world 22: 187-209 Jy.1919. No.7.

Bibliographical foot notes

Shull, C. A.

Correlation of wind flow and temperature with evaporation.
Plant world 22: 210-215 Jy.1919. No.7.

Proc. Ann. Meet. Soc. Promot. Agr. Sci.

Beath, O. A.

Poisonous plants Proc. Ann. Meet. Soc. Promot. Agr.
Sci. 39: 39-47 1919.

Queensl. Agr. Journ.

White, C. T.

Records of poisoning of birds by two species of Cassia

Queensl. Agr. Journ. 12: 306 D.1919. No.6.

C. bicapsularis, *C. sophera* var. *schirifolia*.

Rec. Albany Mus.

Salisbury, F. S.

Naturalised plants of Albany and Bathurst Rec. Albany
Mus. 3: 161-177 S.1919.

Schönland, S.

Klingia, a new genus of Amaryllidaceae Rec. Albany

Mus. 3: 178-181 illus. S.1919. No.3.

Rev. R. Acad. Cienc.

Lázaro e Ibiza, B.

Revisión crítica de las especies peninsulares del
género *Viola* (concl.) Rev. R. Acad. Cienc. Madrid 12; 17:
391-421 4 pl. 1919. No.10/12.

Rev. Gén. Sci.

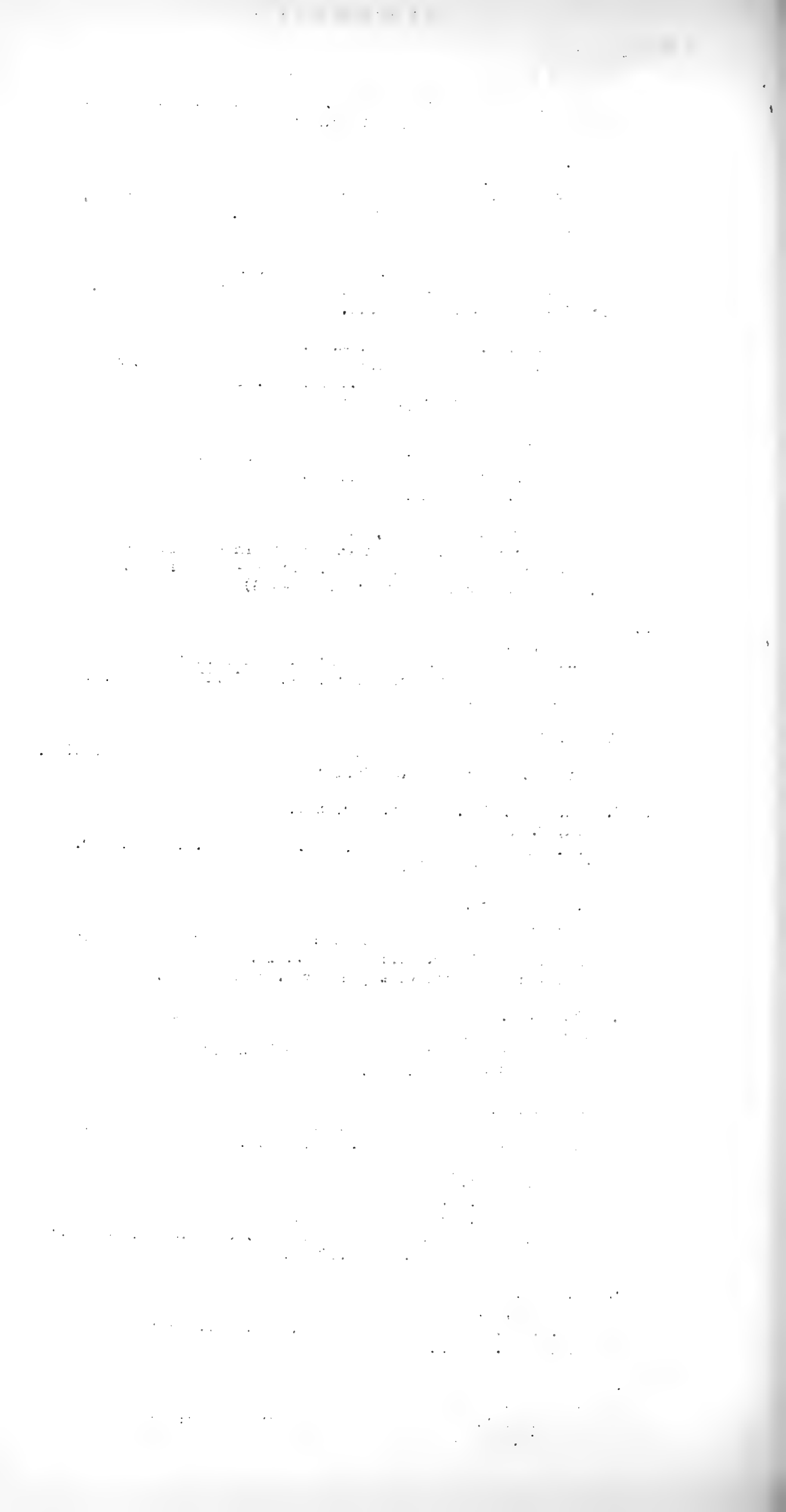
Grandidier, G.

Les forêts à Madagascar Rev. Gén. Sci. 30: 624-629
N. 15, 1919. No.21.

Science

Coulter, J. M.

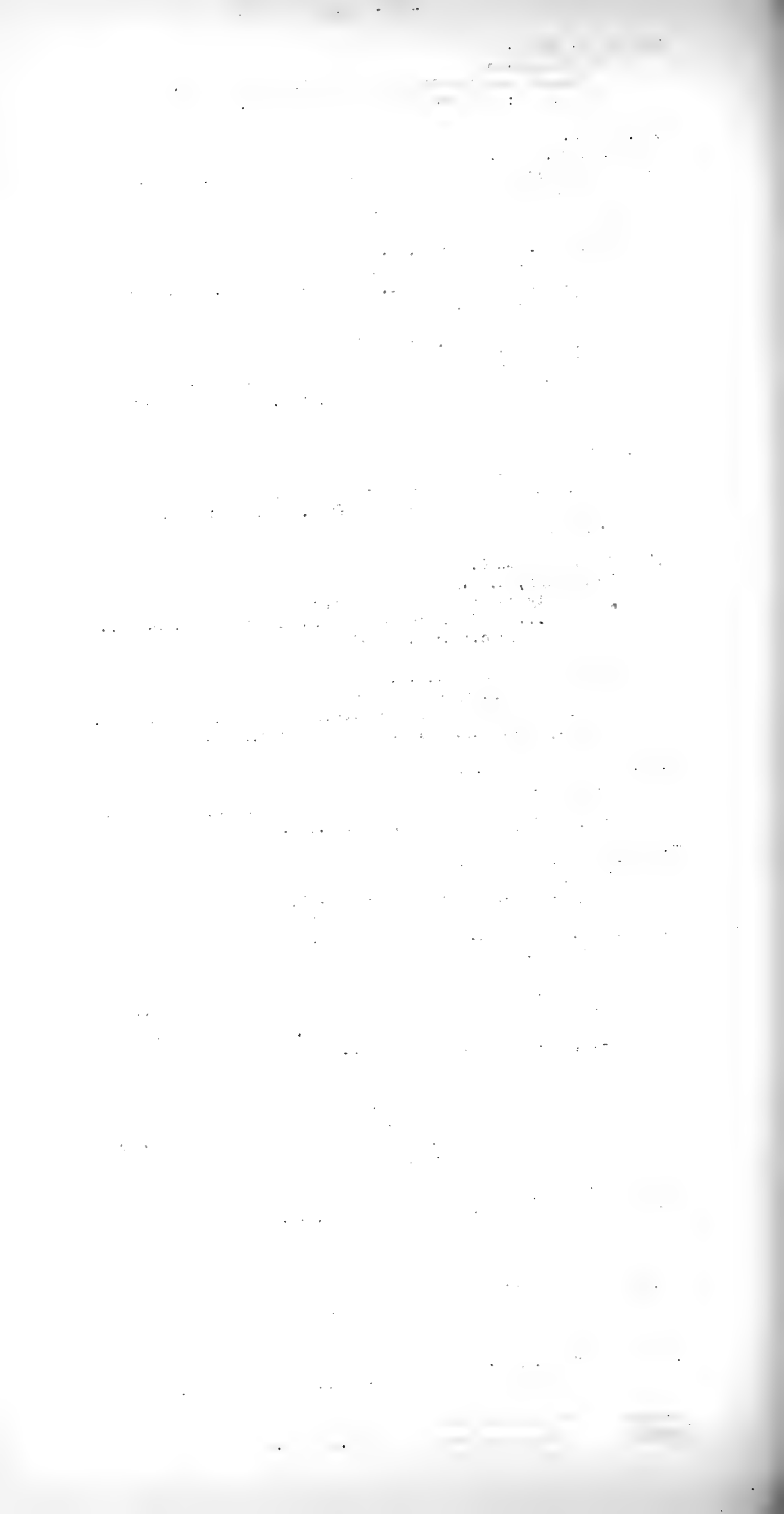
The evolution of botanical research Science 51:
1-8 Ja.2, 1920.



- Sci. Amer. Suppl.
Mculten, R. H.
Kudzu, the latest forage plant. Sci. Amer.
Suppl. 88: 364-365 illus. D.20,1919. No.2291.
- Sci. Month.
Anders, J. M.
Growing plantas as health-giving agents. Sci.
Month, 10: 63-69 Ja.1920.
- Soil Sci.
Truog, E. and Meacham, M.R.
Soil acidity II Its relation to the acidity of the
plant juice Sci Sci. 7: 469-474 Je.1919. No.6.
References: p. 474
- Trans. Highl. & Agr. Soc. Scotl. V
Hendrick, J.
The use of lime in controlling finger- and -toe in
turnips Trans. Highl. & Agr. Soc. Scotl. V, 30:
137-145. 1918.
- Trop. Agr.
Stockdale, F. A.
Memo. on plant pest and disease inspectorate
branch of the department Trop. Agr. 53: 260.
O.1919.
- U. S. Dept. Agr. Bull.
Dachnowski, A. P.
Quality and value of important types of peat
material... U. S. Dept. Agr. Bull. 802 40 p. D.1919.
Literature cited: p. 39-40.
- Byars, L.P. & Gilbert, W.V.
Soil disinfection with hot water to control the
root-knot nematode and parasitic soil fungi. U. S. Dept.
of Agr. Bull. 818. 14 p. v pl. Ja.5,1919.
- U. S. Dept. Agr. Farm. Bull.
Walker, J. C.
Onion diseases and their control U. S. Dept. Agr.
Farm. Bull. 1060. 23 p. illus, N.1919.
- Weekbl. Bloembollencult.
Slogteren, van
De herkenning van het aaltjes-ziek der narcissen en de
bestrijding der ziekte in een partij, zolang deze te velde
staat. Weekbl. Bloembollencult. 29: 361-364 My.2,1919.
Eelworm.
- Slogteren, van
De toepassing van warmte als bestrijdingsmiddel van
eenige bloembollenziekten Weekbl. Bloembollencult. 30:
63-66, 69-71 Ag.19, 22, 1919.

Recent books.

- 93.B39 Bedard, Herbrand Arthur Russell & Pickering, Spencer
Science of fruit growing
- 99.79 Castro, E.B.
C21 Las madaras argentinas 1918.
Vernacular names
- 451.1 Garcia Cañizres, Felipe
G16 El jardin botanico del Instituto de segunda en-
señanza de l a Habana. 1918.
- Fo
9.B865 Girola, C.D.
Variedades de maiz cultivadas en Argentina 1919.
- 99.36 Henry, Augustine
H392 Forests, woods and trees. 1919.



Bureau of Plant Industry Library
Current Author Entries, 1920, List No.23.
Indexed Jan.19-31, 1920.

Acta Soc. Fauna et Flora Fenn.
Saelan, T.

Finslands botaniska litteratur till och med år 1900
Acta Soc. Fauna et Flora Fenn. v.43, 633 p. 1919.

Addisonia

Leucothoe catesbaei	Addisonia 4: 61-62	pl.151.	D.1919
Bryophyllum crenatum	---- --	4: 63 pl.152	D.1919.
Lilium henryi	-----	4: 65-66 pl.153.	D.1919.
Crataegus calpodendron	-----	4: 67-68 pl.154.	D.1919.
Elasagnus multiflora	-----	4: 69-70 pl.155.	D.1919.
Bulbophyllum grandiflorum	---	4: 71-72 pl.156.	D.1919.
Fagelia diversifolia	----	4: 73-74 pl.157.	D.1919.
Euonymus patens	-----	4: 75 pl.158.	D.1919.
Poinsettia heterophylla	-----	4: 77-78 pl.159.	D.1919.
Penstemon tenuiflorus	-----	4: 79-80 pl.160.	D.1919.

Agron. Colon.

Itis, G.

Sur le chinin ou coyo (*Persea schiedeana* Nees) Agron.
Colon. 4: 78-82. illus. N./D.1919. No.27.

Schaeffer, G.

Contribution à l'étude des citromelles, culture, exploitation, commerce. Agron. Colon. 4: 65-73 pl.
N./D.1919. No.27.

Wildeman, E. de

A propos des fruits du *Melia azedarach* L. Agron. Colon.
4: 74-77 N./D.1919. No.27.

Ann. Rep. Dept. Agr. Colony Mauritius

Emmerez de Charmoy, D. d'

Report of work of the Division of biology Ann. Rep.
Dept. Agr. Colony Mauritius 1918. p.10-12. 1919.
Includes phytopathology.

Ann. Rep. Dept. Agr. W. Austr.

Herbert, D. A.

Report of botanical and pathological assistant
Ann. Rep. Dept. Agr. W. Austr. 1918/19 p.27-29. 1919.

Ann. Rep. Insular Exp. Stat. Porto Rico

Matz, J.

Report of the Division of plant pathology and botany
Ann. Rep. Insular Exp. Stat. Porto Rico 1918/19 p.33-
36 1919
J. Matz acting chief

Ann. Sci. Nat. X, Bot.

Costantin, J.

Physiologie de l'anthocyane et chimie de la chlorophylle.
Ann. Sci. Nat. X, Bot. 1: xxxviii-lix N.1919. No.5/6.
Index bibliographique: p. xlix-lix

Guilliermond, A.

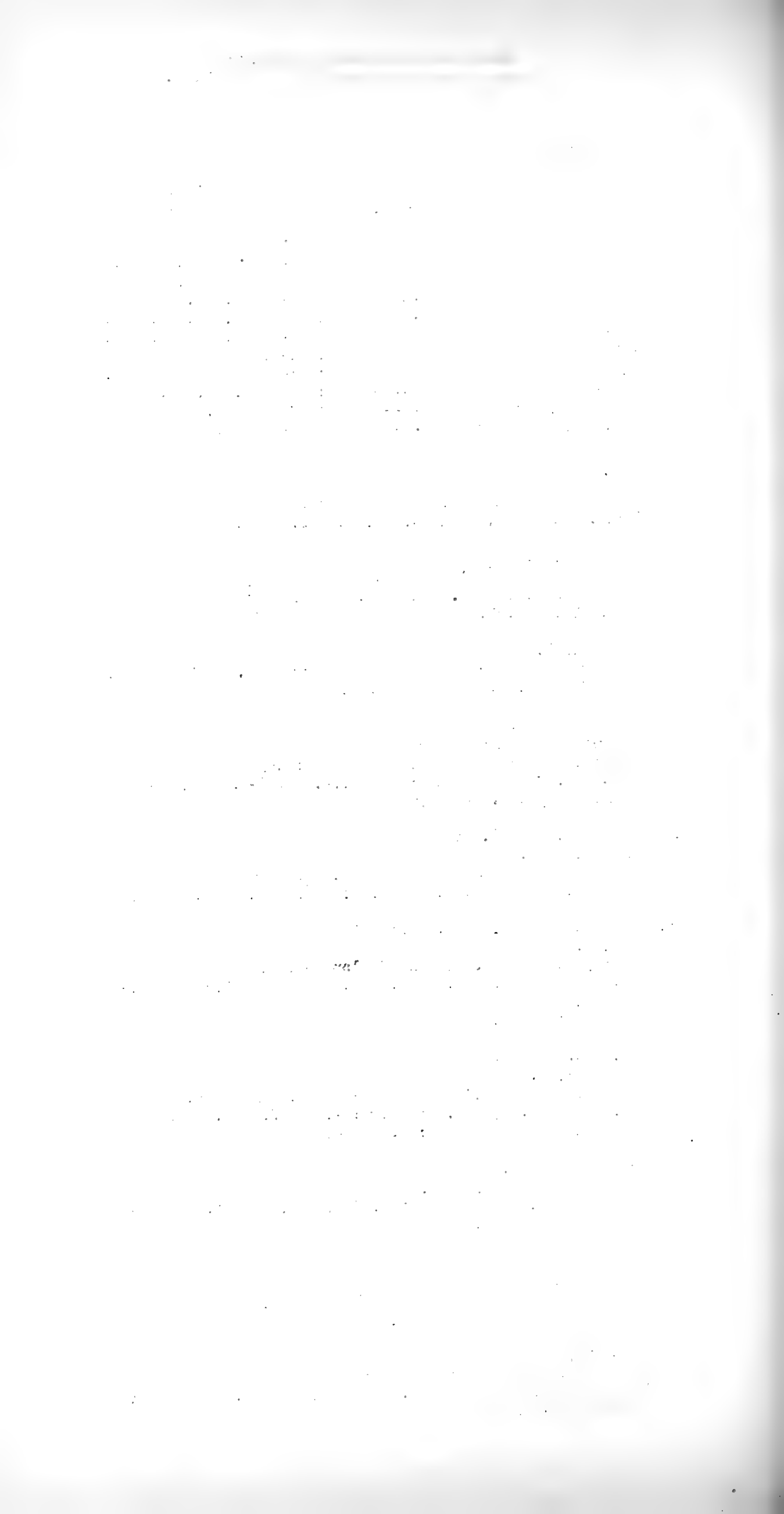
Sur l'origine mitochondriale des plastides a propos d'un
travail de M. Mottier Ann. Sci. Nat. X, Bot. 1: 225-246
p.14-18. N.1919.

Moreau, F. and Moreau, Mme.

Recherches sur les lichens de la famille des peltigéracées
Ann. Sci. Nat. X, Bot. 1: 29-137. illus., pl.i-xiii. N.1919
Index bibliographique: p.128-131

Wildeman, E. de

Notes sur des espèces continentales africaines du genre
"Baphia" Afzelius. Ann. Sci. Nat. X, Bot. 1: 201-224
No.5/6. N.1919



Bot. Jahrb. Engl.

Drude, O.

Die elementar-assoziation im formationsbilde

Bot. Jahrb. Engl. 55(Beibl.122): 45-48, 49-81

Ag.-S.1919. No.4-5.

Literaturnachweise: p.80-82

Drude, O.

Formationen und relikst-standorte des kulm- und diabas-durchbruchs an der oberen saale. Mit vergleichenden ausblicken auf analoge standorte am Main und Naab. Bot. Jahrb. Engl. 55(Beibl.): 160-179 S.1919. No.5.

Engler, A.

Guttiflorae africanae III His Beiträge zur flora von Afrika XLVII Bot. Jahrb. Engl. 55: 381-396 Ag.1919. No.4.

Engler, A.

Kurzer bericht über die in den letzten zehn jahren von deutschen botanikern unternommenen forschungs-expeditionen nach Afrika und Papuasien Bot. Jahrb. Engl. 55 (Beibl.122): 5-23 Ag.1919. No.4.

Engler, A.

Sterculiaceae africanae VI His Beiträge zur flora von Afrika XLVII Bot. Jahrb. Engl. 55: 350-380 Ag.1919. No.4.

Engler, A.

Violaceae africanae IV. Zur kenntnis der afrikanischen Hybanthus-arten Bot. Jahrb. Engl. 55: 397-400 Ag.1919 No.4.

Engler, Adolf

Die vegetationsverhältnisse des Kongoa-gebirges und der Bambuto-berge in Kamerun. Nach den sammlungen Ledermanns Bot. Jahrb. Engl. 55(Beibl. 122): 24-32 Ag.1919. No.5.

Ledermann, E.

Einiges von der Kaiserin-Augusta-Fluss-expedition Bot. Jahrb. Engl. 55 (Beibl. 122): 33-44 Ag.1919. No.4.

Pilger, R.

Ueber Coralliraceae von Annobon In Engler, A. Beiträge zur flora von Afrika XLVII Bot. Jahrb. Engl. 55: 401-408, 409-435 illus. Ag.-S.1919. No.4-5.

Schellenberg, G.

Connaraceae africanae III In Engler, A. Beiträge zur flora von Afrika XLVII Bot. Jahrb. Engl. 55: 436-456 S.1919. No.5.
No.I-II by Gilg, E.

Schellenberg, G.

Ueber die comaraceen-gattung Jaundea Gilg. In Engler, A. Beiträge zur flora von Afrika XLVII Bot. Jahrb. Engl. 55: 457-463 S.1919. No.5

Schweinfurth, G.

Pflanzenbilder im tempel von Karnak (Theben) Bot. Jahrb. Engl. 55: 464-480 illus. S.1919. No.5.

Bull. Dept. Agr. Trinidad & Tobago

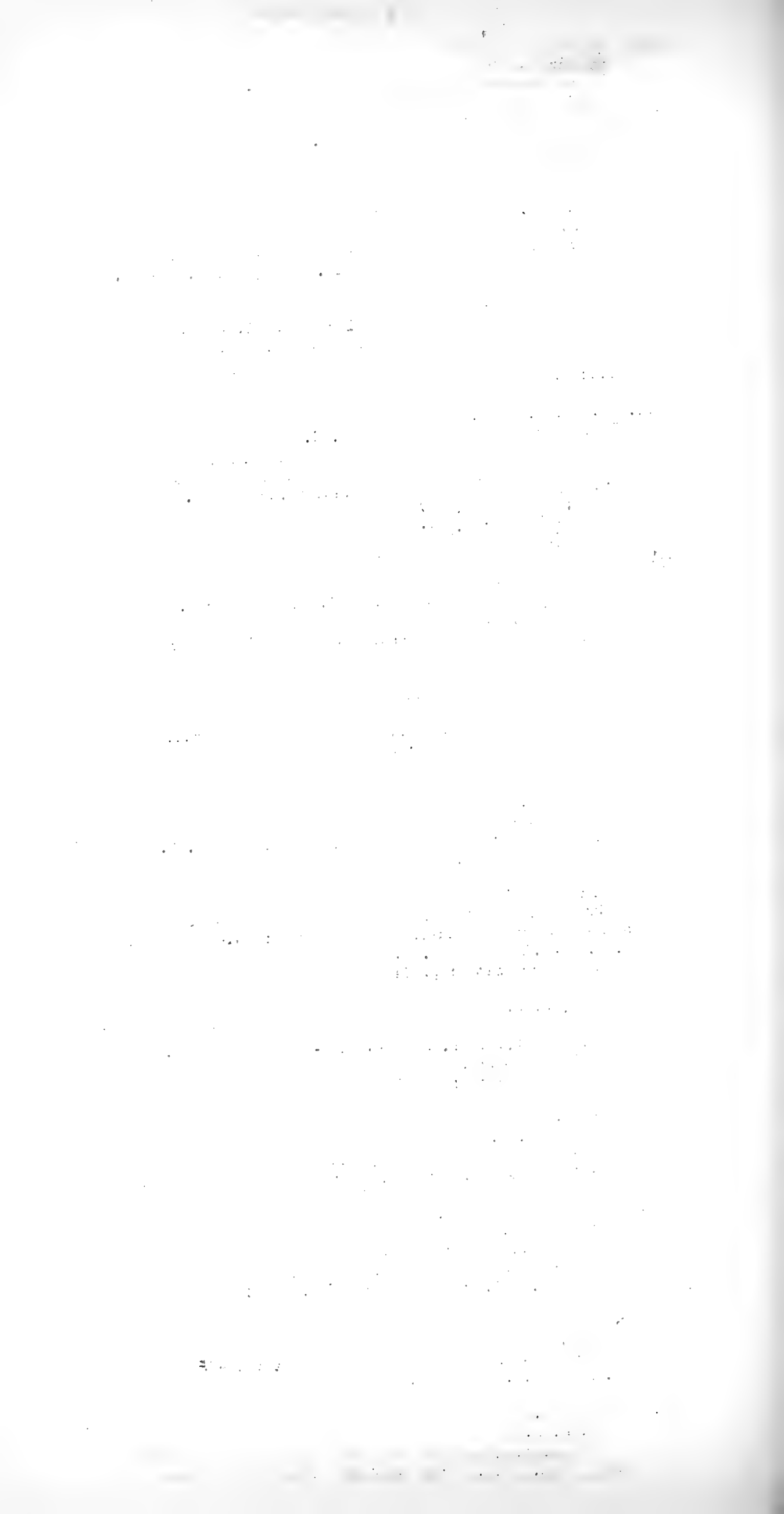
Freeman, W. G.

The avocado in Trinidad and Tobago Bull. Dept. Agr. Trinidad & Tobago 18: 113-124 illus. 1919. No.3.

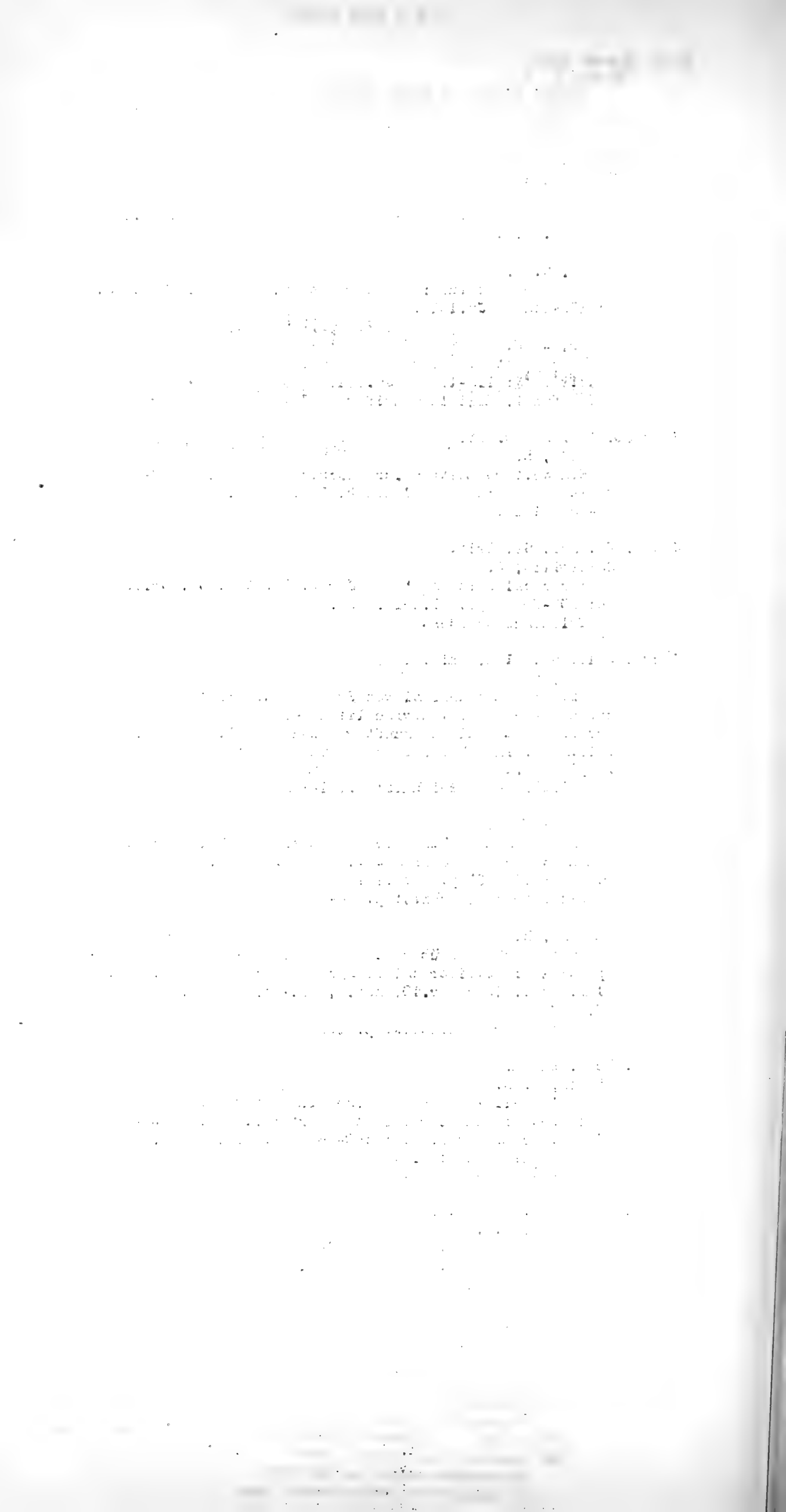
Rorer, J. B.

The fungous diseases of the avocado Bull. Dept. Agr. Trinidad & Tobago 18: 132-133 2 pl. 1919.
Anthracnose; die-back, Diplodia cacaoicola.

- Bull. Exp. Farms Canada
Masson, W. T.
The strawberry and its cultivation in Canada ...
with sections on insects... and common strawberry
diseases by W. A. McCubbin. Bull. Exp. Farms
Canada 92 29 p. illus. 1919
Revision of Bull. 62 with addition of sections on
insects and diseases.
- Bull. Jard. Bot. Bruxelles
Wildeman, E. de
Additions à la flore du Congo Bull. Jard. Bot.
Bruxelles 5: 269-364, 365-412. My., D. 1919. No. 3-4.
- Wildeman, E. de
Alfred Cogniaux (1841-1916) Bull. Jard. Bot.
Bruxelles 5: i-xxx part. My. 1919. No. 4.
Relevé chronologique des principales publications
...: p. xxiii-xxx
- Bull. North Car. Dept. Agr.
Wolf, Frederick A. and Moss, E. G.
Diseases of flue-cured tobacco with suggestions
for palliative, preventive and remedial measures
Bull. North Car. Dept. Agr. v. 40, no. 12 45 p. illus.
D. 1919 (whole no. 263)
References: p. 44.
- Bull. Pharm.
Farwell, O. A.
The identity of commercial blue flag Bull. Pharm.
33: 475 N. 1919.
Includes *Iris caroliniana* as well as *I. versicolor*
Reprinted
- Bull. Soc. Nat. Acclim. France
Henry,
Les îles Marquises - flore et cultures Bull. Soc.
Nat. Acclim. France 65: 315-320 O. 1918.
- Bull. Torr. Club
Evans, A. W.
Three South American species of *Asterella*. Bull.
Torr. Club 46: 469-480 D. 1919 [Ja. 1920] No. 12.
A. chilensis, *A. macrospora*; *A. boliviana*
- Woodburn, W. L.
Preliminary notes on the embryology of *Reboulia*
hemisphaerica Bull. Torr. Club 46: 461-464 pl. 19
D. 1919 [Ja. 1920] No. 12.
Literature cited: p. 464
- Stevens, N. E.
The development of the endosperm in *Vaccinium corym-*
bosum. Bull. Torr. Club 46: 465-468 illus. D. 1919
[Ja. 1920] No. 12.
Literature cited: p. 468
- Calif. Citrogr.
Bonquet, P. A.
June drop, citrus blast, bud drop, are they re-
lated? Calif. Citrogr. 5: 27 N. 1919. No. 1.
- Compt. Rend. Acad. Sci. Paris
Blarirghem, L.
Anomalies florales observées sur la descendance
de l'hybride *Linaria vulgaris* x *L. striata* Compt.
Rend. Acad. Sci. Paris 169: 1103-1105 1915. No. 23.
- Cuba Rev.
Neville, H. O.
Hardwoods in Cuba Cuba Rev. 18: 13-25 illus.
D. 1919. No. 1.
- Gard. Chron. Amer.
Moore, H. J.
Descriptive list of hardy and semi-hardy primulas
Gard. Chron. Amer. 24: 401-402 Ja. 1920. No. 1.



- Gard. Chron. Amer.
Clute, W. N.
Plant names and their meanings Gard. Chron.
Amer. 24: 397-398 Ja.1920.
- Gardens Bull. Straits Settle.
Burkill, I. H.
The Gardens' Hevea tree no. 1844 H. confusa Hemsl.
Gardens Bull. Straits Settle. 2: 113-115 illus.,
pl. Jy.1919.
- Baker, C. F.
Hevea versus fungi Gardens Bull. Straits Settle.
2: 109-112 Jy.1919.
- Baker, C. F.
Mango pests in Singapore Gardens Bull. Straits
Settle. 2: 115-116 Jy.1919
Two fungi, *Meliola mangiferae*, *Zimmermaniella trispora*
- Jahresb. Ver. Angew. Bot.
Schwede, R.
Ein weitere beitrag zur geschichte des altameri-
kanischen papiers Jahresb. Ver. Angew. Bot. 13:
35-55 1916.
- Journ. Bi. Agr. Gt. Brit.
Somerville, W.
Ear cockles in wheat Journ. Bi. Agr. Gt. Brit.
26: 907-909 pl. D.1919. No.9
Tylenchus scandens
- Journ. Coll. Sci. Imp. Univ. Tokyo
Kuwada, Y.
Die chromosomenzahl von *Zea mays* L. Ein beitrag
zur hypothese der individualität der chromosomen und
zur frage über die herkunft von *Zea mays* L. Journ.
Coll. Sci. Imp. Univ. Tokyo v.39, art.10 148 p.
ii pl. Ag.1919
Literaturverzeichnis: p.141-145.
- Matsushima, T.
Untersuchungen über die wasseraufnahme bei abschnit-
tenen zweigen Journ. Coll. Sci. Imp. Univ. Tokyo
v.43, art.2 27 p. Jy.1919
Literaturverzeichnis: p. 26-27
- Nakano, H.
Untersuchungen über die entwicklungs- und ernährungs-
physiologie einiger chlorophyceen Journ. Coll. Sci.
Imp. Univ. Tokyo v.40, art.2, 214 p. illus., iii pl.
N.1917
Literaturverzeichnis: p. 198-207
- Journ. Econ. Entom.
Smith, R. B.
A preliminary note concerning a sericus nematode
diseases of red clover in the northwestern states
Journ. Econ. Entom. 12: 460-462 D.1919. No.6.
Bibliography: p. 462
Tylenchus dipsaci
- Journ. & Proc. R. Soc. N.S.W.
Cambage, R.H.
Acacia seedlings IV Journ. & Proc. R. Soc. N.S.W.
52: 410-434 pl. xxxi-xxxv. 1918
E. mitchelli, *E. pumila*
- Challinor, R. W.
A new species of *Leptospermum* and its essential
oil Journ. & Proc. Roy. Soc. New South Wales 52:
175-180 1918. (*L. citratum*)
- Darnell-Smith, G. P.
Preliminary investigations on a bacterial disease
of tobacco Journ. & Proc. Roy. Soc. New South Wales
52: 435-453 pl. xxxvi 1918
Literature cited: p. 452-453
Probably *Bacterium solanacearum*



Journ. & Proc. Roy. Soc. N.S.W.

Maiden, J. H.

A contribution to a history of the Royal society of New South Wales (with information in regard to other New South Wales societies.) Journ. & Proc. Roy. Soc. N.S.W. 52: 215-361. 1918.

Maiden, J. H.

Notes on Eucalyptus n. VI. with descriptions of two new species in co-operation with Mr. R. H. Cambage Journ. & Proc. Roy. Soc. New So. Wales 52: 486-519 1918. (E. grandis, E. blaxlandi)

Journ. Wash. Acad. Sci.

Hopkins, A. D.

The bioclimatic law. Journ. Wash. Acad. Sci. 10: 34-40 Ja. 19, 1920 No. 2.

Pittier, H. F.

The Venezuelan mahogany, a hitherto undescribed species of the genus Swietenia Journ. Wash. Acad. Sci. 10: 32-34 Ja. 19, 1920, No. 2.

Meded. Landbouwhoegech. Wageningen

Pelak, I. M. W.

Het steriliseeren van grond door middel van stoom Meded. Landbouwhoegech. Wageningen 17: 91-108 illus., pl. 1919

Quanjier, H. M., Dorst, J. C., Dijt, M. D. and Haar, A. W. v. d.

De mozaiekziekte van de solanaceeën hare verwantschap met de phloemnecrose en hare beteekenis voor de aardappelcultuur. Meded. Landbouwhoegech. Wageningen 17: 1-74 pl. i-viii (i-iii ccl.) 1919. No. 1/3.

Literatuur: p. 67-79

English summary (The mosaic diseases of the Solanaceae, its relation to phloem-necrosis and its effect on potato culture): p. 71-74.

Monatsschr. Kakteenk.

Purpus, J. A.

Pachyphytum cviferum J. A. Purpus nov. spec. Monatsschr. Kakteenk. 29: 100-103 pl. S. 1919. No. 9

Vaupel, F.

Aus der alten kakteenliteratur (cont.) Monatsschr. Kakteenk. 29: 115-120 O. 1919. No. 10.

Plantarum seu stirpium historia, Matthiae de Lobel, insulani... 1576

Nat. Hist.

Mills, E. A.

The wars of the wind at timber-line... Nat. Hist. 19: 425-426 illus. Ap./My. 1919. No. 4/5.

Nature

Bateson, W.

The progress of Mendelism Nature 104: 214-216. N. 6, 1919. No. 2610.

Vries, H. de

The present position of the mutation theory Nature 104: 213-214. N. 6, 1919. No. 2610.

Nederl. Kruidk. Arch.

Henrari, J. Th

Galeopsis. Een systematisch-floristische studie Nederl. Kruidk. Arch. 1918 p. 158-188. 1919.

Luijk, A. van

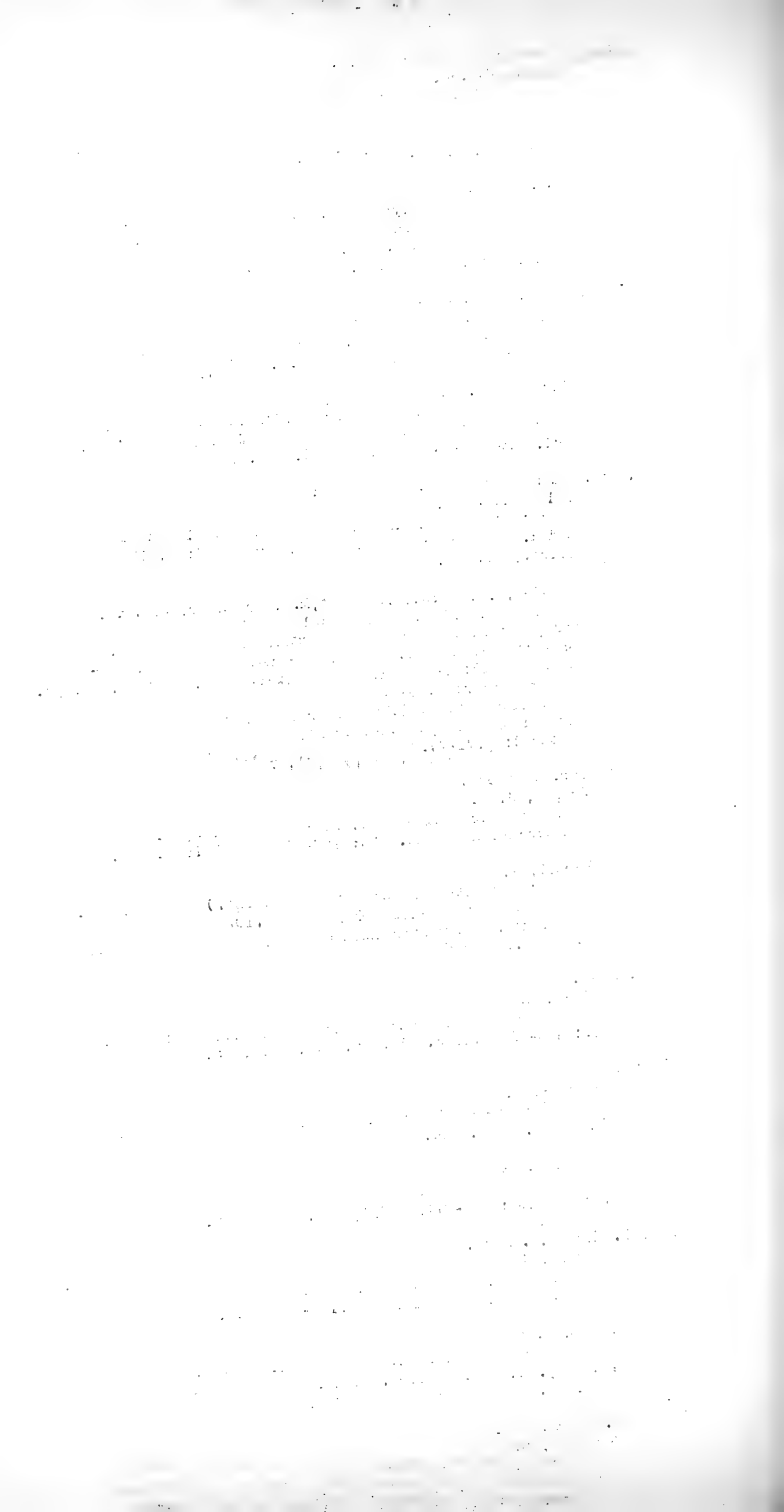
Fungi van Nederland I. Nederl. Kruidk. Arch. 1918 p. 111-144. illus. 1919.

1. De Geoglossaceae van Nederland

New Zeal. Journ. Agr.

Cockayne, L.

An economic investigation of the montane tussock grassland of New Zealand IV. Increase of the Californian thistle (Cnicus arvensis) on the Dunstan



range, central Otago New Zeal. Journ. Agr.
19: 342-346 illus. D.1919. No.6.

Ohio Journ. Sci.

Grier, N. M.

Note on proliferative power of *Pinus* sp.
Ohio Journ. Sci. 20: 21-23 N.1919. No.1.

Philipp. Agr. Rev.

Merino, G.

Bud-rot Philipp. Agr. Rev. 12: 91-96 pl.
xxxi-xxxiv. 1919.

Quisumbing y Argüelles, E.

Studies of Philippine bananas Philipp. Agr.
Rev. 12: 1-73 xxx pl. 1919. No.3.

King, A. E. W.

The mechanical properties of Philippine bastfiber
ropes. Philipp. Journ. Sci. 14: 561-555 v pl.
Je.1919. (Rec'd. Ja.1920) No.6.

Names of species yielding fiber given under name
of family with vernacular names.

Lee, H. A. and Yates, H. S.

Pink disease of citrus Philipp. Journ. Sci.
14: 657-673 vii pl. (2 col.) Je.1919 (Rec'd. Ja.1920)
Bibliographical foot notes (No.6)
Corticium salmonicolor

Yates, H. S.

The growth of *Hevea brasiliensis* in the Philippine
Islands. Philipp. Journ. Sci. 14: 501-525 My.1919.
(Rec'd. Ja.1920)

Phytopath.

Bakke, A. L.

The comparative rate of desiccation of tubers from
normal and diseased potato plants Phytopath. 9:
541-546 D.1919 [1920] No.12.

Durrell, L. W.

Tongs for handling disinfected seed Phytopath.
9: 581-582 illus. D.1919 [1920] No.12.

Godfrey, G. H.

Sclerotinia ricini n. sp. parasitic on the castor
bean (*Ricinus communis*) Phytopath. 9: 565-567
pl. xi-xli D.1919 [1920] No.12.

Gregory, C. T.

Heterosporium leafspot of timothy Phytopath.
9: 576-580 illus. D.1919 [1920] No.12.
Heterosporium phlei n. sp.

Pritchard, F. J. and Clark, W. B.

Effect of copper soap and of Bordeaux soap spray
mixtures on control of tomato leaf spot. Phytopath.
9: 554-564 illus. D.1919 [1920]. No.12.

Rosen, H. R. and Kirby, R. S.

A comparative morphological study of aecia of four
different rusts found upon barberries in North America.
Phytopath. 9: 569-573. illus., pl.xxxviii-xxxix
D.1919 [1920] No.12.

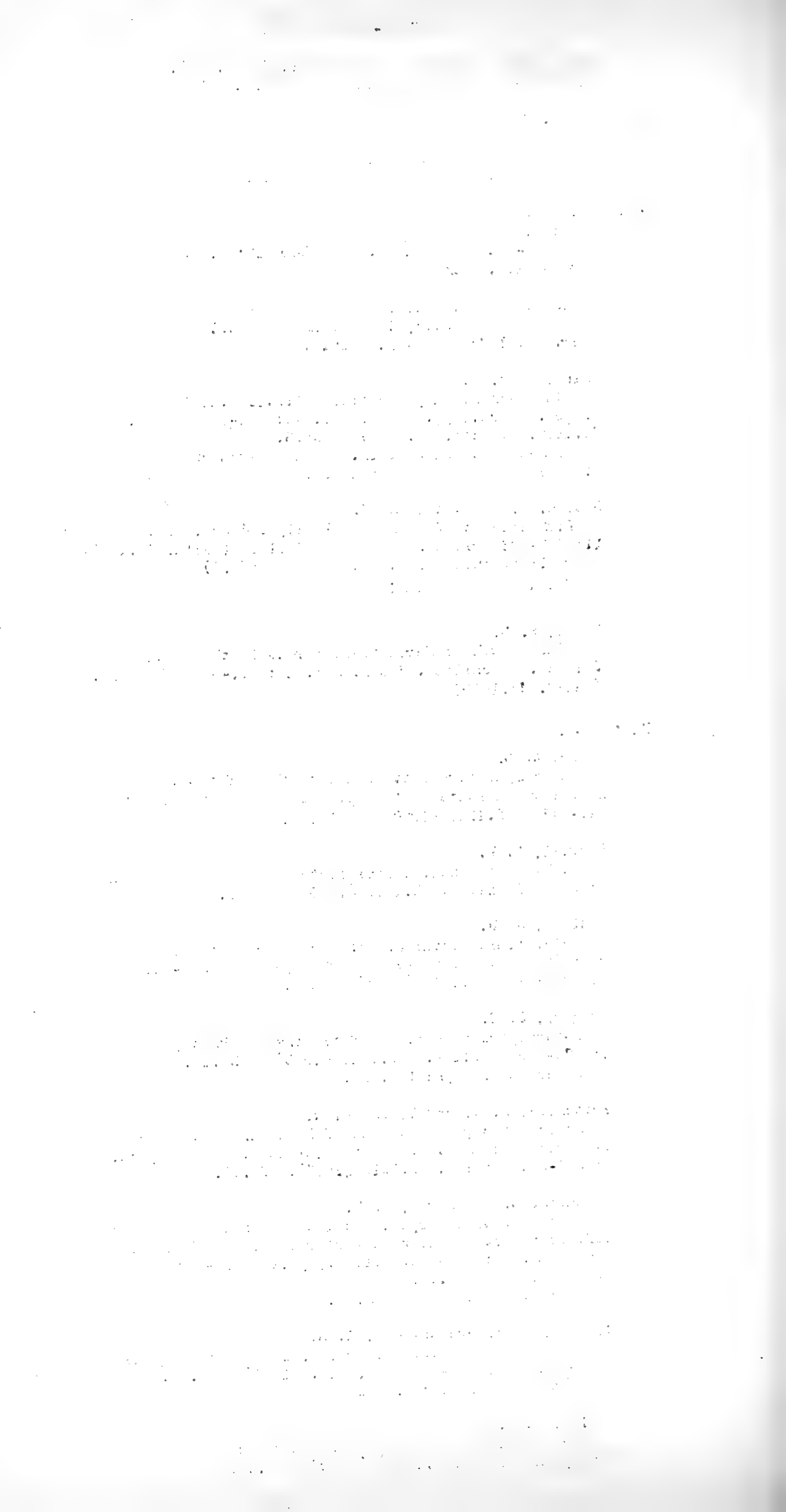
Aecidium butlerianum n.sp.

Stevens, N. E. and Chivers, A. H.

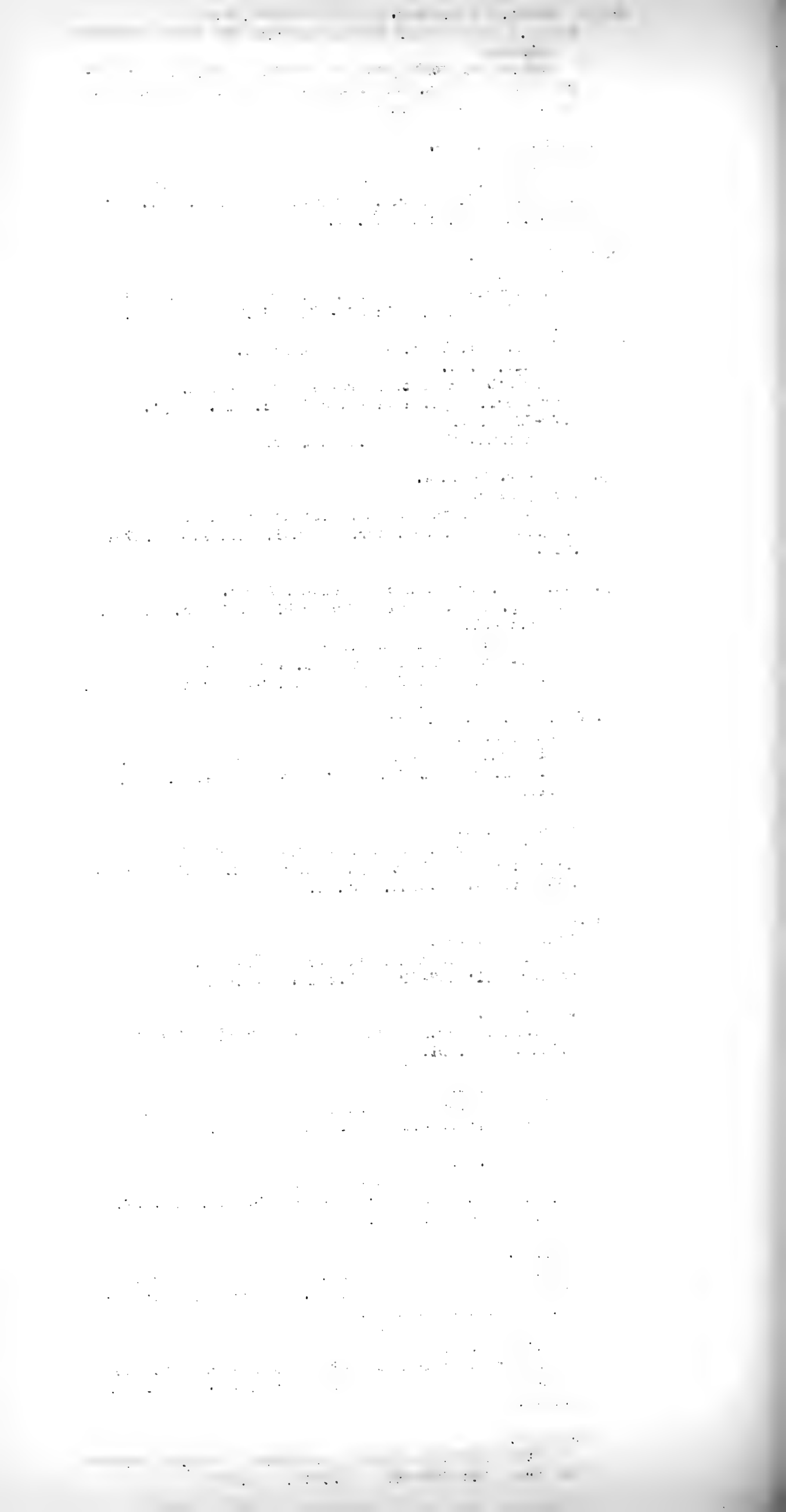
Fanning strawberries in relation to keeping quality
Phytopath. 9: 547-553 D.1919. [1920] No.12.
Literature cited: p. 553

Taylor, M. W.

The overwintering of *Cronartium ribicola* on *Ribes*.
Phytopath. 9: 575 D.1919 [1920] No.12.



- Prakt. Blätt. Pflanzenkr. u. Pflanzensch. n.s.
 Bayer. Landesanstalt für pflanzenbau und pflanzenschutz,
 München
 Aufruf zur bekämpfung der brandkrankheiten des ge-
 treides Prakt. Blätt. Pflanzenkr. u. Pflanzensch.
 n.s., 17: 77-81 illus. Jy./Ag.1919 No.7/8.
- Proc. Nat. Acad. Sci.
 Zinn, J.
 On variation in Tartary buckwheat *Fagopyrum*
tataricum (L.) Gaertn. Proc. Nat. Acad. Sci. 5:
 506-514. N.1919. No.11.
- Pulp & Paper Mag.
 Acree, S. F.
 Destruction of wood and pulp by fungi and bacteria
 Pulp & Paper Mag. 17: 569-571 Jy.17,1919. No.29.
- Quart. Journ. Sci. Dept. Indian Tea Assoc.
 Tunstall, A. C.
 An outbreak of black rot in upper Assam. Quart.
 Journ. Sci. Dept. Indian Tea Assoc. 1918 pt.3
 p.70-72 1919
Hypochnus theae or allied spec.
- Rep. Dep. Agr. Queensl.
 Tryon, Henry
 Report of the entomologist and vegetable path-
 cologist Rep. Dep. Agr. Queensl. 1918/19 p.37-48.
 1919.
- Rep. Exp. Stat. Hawaiian Sugar Plant. Assoc.
 Rep. Exp. Stat. Hawaiian Sugar Plant. Assoc. 1918/19
 p.18-21.
 Contains following notes on diseases:
 Root-rot or Lahaina disease. Yellow stripe disease.
 Eye-spot disease. Pehala blight. Other cane diseases.
- Rev. Agr. Com. y Trab. Cuba
 Bruner, S. C.
 Informe sobre enfermedades del cafeto Rev.
 Agr. Com. y Trab. Cuba 2: 533-535 illus. N.1919.
 No.11.
- Bruner, S. C.
 Notas sobre la enfermedad del mosaico de la caña
 de azucar Rev. Agr. Com. y Trab. Cuba 2: 532-
 533 illus. N.1919. No.11.
- Rhodora
 Andrews, A. LeR.
Dicranoweisia crispula in the White Mountains
 Rhodora 21: 207-208 N.1919. No.251.
- Collins, F. S.
 Chinese marine algae Rhodora 21: 203-207
 N.1919. No.251.
- Fernald, M. L.
Lomatogonium the correct name for *Pleurogyne*
 Rhodora 21: 193-198 N.1919 No.251.
- Fernald, M. L.
Nymphoanthus the correct name for the cow
 lilies. Rhodora 21: 183-188 O.1919. No.250.
N. luteus nov. comb.
- Helm, T.
 The history of the popular name "flower de luce"
 or "fleur de lis" of the Iris. Rhodora 21: 180-
 181 O.1919. No.200.
- Knowlton, C. H.
 An excursion to Mt. Washington, Massachusetts and
 Bash-bish Falls Rhodora 21: 198-202 No.251.
 N.1919.
- Long, B.
 Notes on the American occurrence of *Crepis biennis*
 Rhodora 21: 209-214 D.1919. No.252.



Rhodora (cont.)

Nelson, J. C.

The new genus Bromelica (Thurb.) Farwell
Rhodora 21: 215-216 D.1919.

Phelps, O. P.

Ranunculus boreanus in eastern New York
Rhodora 21: 208 N.1919 No.251.

St. John, H.

Phanerotaenia, a new genus of Umbelliferae
Rhodora 21: 181-183 O,1919. No.250.
P. texana

St. John, H.

Two color forms of Lobelia cardinalis L.
Rhodora 21: 217-218. D.1919. No.252.

Weatherby, C. A.

Changes in the nomenclature of the Gray's Manual
ferns Rhodora 21: 173-179 O,1919. No.250.

Woodward, R. W.

Further notes on Philctria Rhodora 21: 218-
219 D.1919. No.252.

Science

Moore, B.

The Ecological society and its opportunity
Science 51: 66-69 Ja,16, 1920. No.1307.

Research en rubber cultivation Science 51:
82-83 Ja.23,1920. No.1308.

From a correspondent in Sumatra, mainly on con-
ference en brown bast.

Soil Science

Clevenger, C. B.

Hydrogen-ion concentration of plant juices.
Soil Sci. 8: 217-242 S.1919, No.3.
References: p. 226, 241-242.

Waksman, S. A.

Cultural studies of species of Actinomyces
Soil Sci. 8: 71-207 pl.1-4 Ag.1919 (Ja.1920)
References: p. 206-207 No.2.

Staz. Sper. Agr. Ital.

Lepricre, G. and Scalia, G.

L'arrossamento delle foglie del sommacco Staz.
Sper. Agr. Ital. 52: 227-237 pl.v-vi 1919.
Lavori citati: p. 237 No.5/6
Excascus purpurascens

Traverso, G. B.

La "lebbra" ed il "vaiclo" del semmacco. Due
malattie nuove per l'Italia Staz. Sper. Agr. Ital.
52: 213-226 pl. v-vi 1919. No.5/6
Bibliographical foot notes
Excascus purpurascens: Septoria rhoina.

Torreyia

Hopkins, L. S.

The occurrence and distribution of Vasey's pond-
weed in northeastern Ohio Torreyia 19: 243-244
D.1919 [Ja.1920] No.12.

Pennell, F. W.

Scrophulariaceae of the local flora V (concl.)
Torreyia 19: 235-242 D.1919 [Ja.1920] No.12.

Trans. British Mycol. Soc.

Cotton, A. D.

Entomogenous fungi new to Britain Trans.
British Mycol. Soc. 6: 200-203 S.1919. No.2.
Literature cited: p. 203.
Empusa aphidis, E. fresenii, E. sphaerosperma.

Trans. British Mycol. Soc.

Cotton, A. D.

The occurrence of oak mildew on beech in Britain
Trans. British Mycol. Soc. 6: 198-200 S.1919

Cotton, A. D. and Wakefield, E. M.

A revision of the British Clavariaceae Trans.
British Mycol. Soc. 6: 164-198 S.1919

Brierly, W. B.

Some concepts in mycology - an attempt at synthesis
Trans. British Mycol. Soc. 6: 204-235
S.1919 No.2.

Literature referred to: p.234-235

I. The species concept. II. Educability of fungi.

Paul, D.

On the earlier study of fungi in Britain Trans.
British Mycol. Soc. 6: 91-103. S.1919. No.2.

Pearson, A. A.

A new *Mycena* Trans. British Mycol. Soc. 6:
135-136 illus. S.1919

M. epipterygicoides

Petch, T.

Further notes on *Colus gardneri* (Berk.) Fischer
Trans. British Mycol. Soc. 6: 121-132 pl. v
S.1919. No.2.

Pethybridge, C. H.

Notes on some saprophytic species of fungi, associated with diseased potato plants and tubers
Trans. British Mycol. Soc. 6: 104-120 pl.iii-iv
S.1919.

Nectria inventa, *Colletotrichum tabificum*, *Hypomyces sclani*, *Verticillium nubilum*, *V. nigrescens*,
Langicisula macrospora

Smith, A. M.

New or rare microfungi (cont.) Trans. British
Mycol. Soc. 6: 149-157 illus. S.1919. No.2.

Wager, H.

A fluorescent colouring matter from *Leptonia incana*
Gill. Trans. British Mycol. Soc. 6: 158-164 S.1919
No.2.

Wakefield, E. M.

New British fungi Trans. British Mycol. Soc.
6: 132-134. S.1919.

Wakefield, E. M. and Pearson, A. A.

Additional resupinate hymenomycetes from the Wey-
bridge district Trans. British Mycol. Soc. 6:
136-143 illus. S.1919. No.2.

Wheldon, H. J.

Observations on the fungi of the Lancashire and
Cheshire sand-dunes. Trans. British Mycol. Soc.
6: 143-148 S.1919. No.2.

Zeitschr. Pflanzenkr.

Appel, O. and Westerdijk, J.

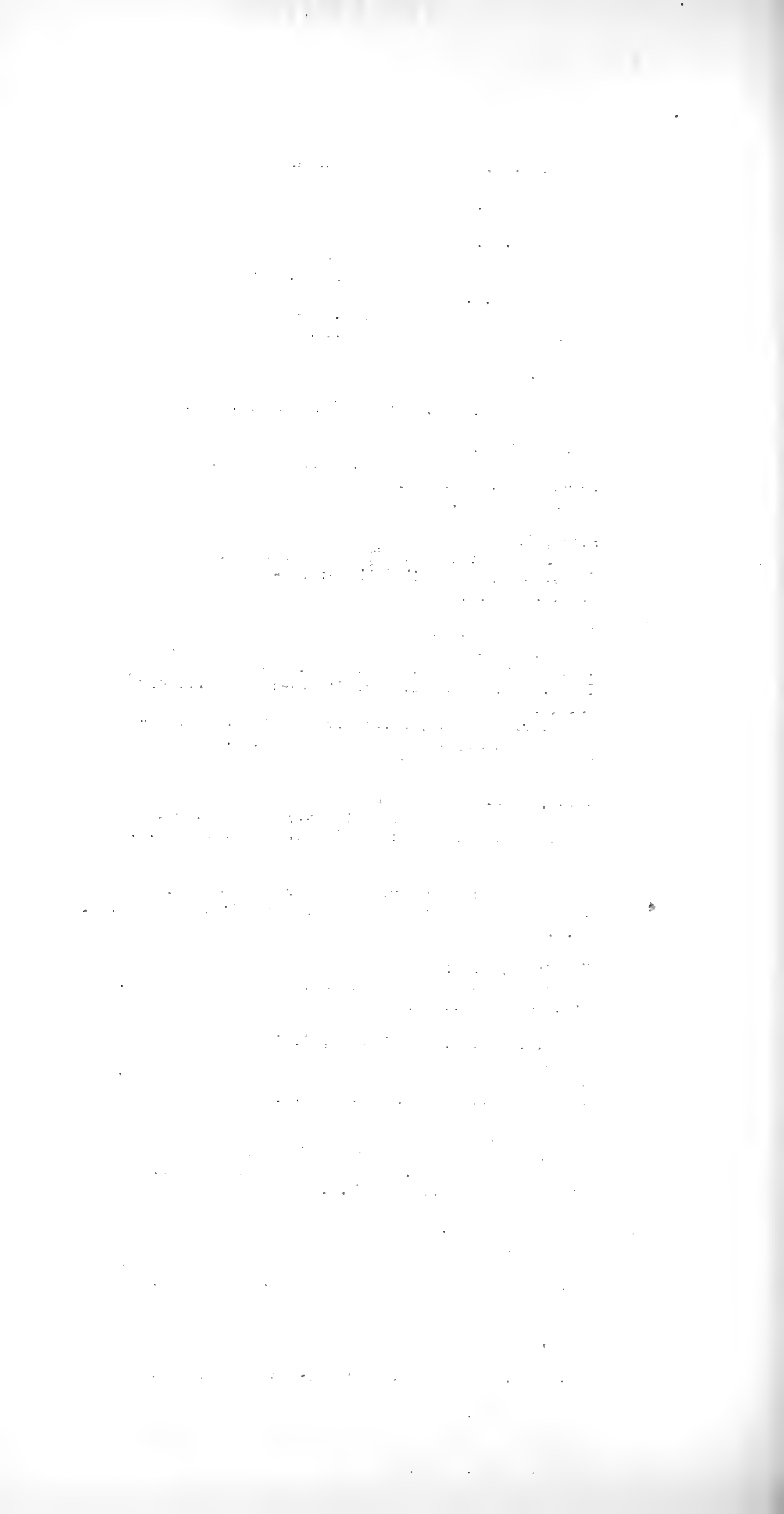
Die gruppierung der durch pilze hervorgerufenen
pflanzenkrankheiten Zeitschr. Pflanzenkr. 29:
176-186 1919

Beas, F.

Beiträge zur kenntnis des kartoffelbaues
Zeitschr. Pflanzenkr. 29: 171-176 1919. No.5/6.

Bredemann, G.

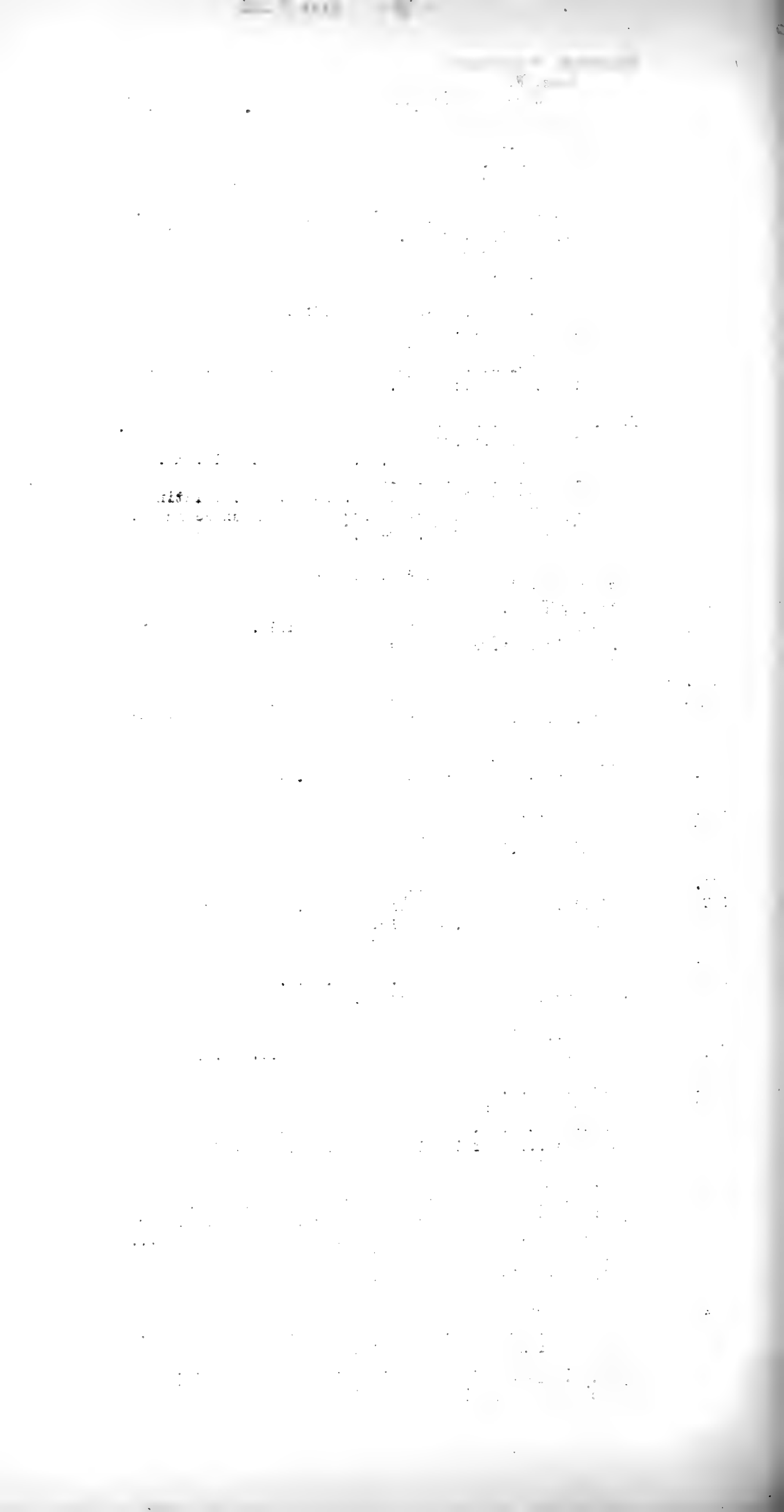
Beobachtungen über weinschädlinge in Obermesc-
potamien Zeitschr. Pflanzenkr. 29: 166-171
illus. 1919. No.5/6.



- Zeitschr. Pflanzenkr.
Kryz, F.
Ueber den einfluss von ultramarin auf pflanzen
Zeitschr. Pflanzenkr. 29: 161-166 1919. No.5/6
- West Ind. Bull.
Cobb, N. A.
A newly discovered nematode (*Aphelenchus cocco-*
philus n. sp.) connected with a serious diseases of
the cocconut palm. West Ind. Bull. 17: 208-210
illus. 1919. No.4.
- Newell, W.
The red ring or "root" diseases of coco-nut
palms. West Ind. Bull. 17: 189-202 pl.i-ix
1919. No.4.
Aphelenchus coccophilus
Preliminary note as to this article in Agr. News
18: 398 D.13,1919.
- U. S. Dept. Agr. Bull.
Mulford, F. L.
Street trees U. S. Dept. Agr. Bull. no.816,
58 illus. Ja.19,1919
Publications of the U.S.Dept. Agr. relating to
diseases and insects affecting shade shade and or-
namental trees: p. 57-58.

Recent Books.

- 463.36 Douglass, A.E.
D74 Climatic cycles and tree growth 1919.
(Carnegis Inst. Publ. 289)
- 463.38 Ernst, A.
Er6 Bastardierung als ursache der epogamie im pflanzen-
reich. 1918.
- 97 Farrer, Reginald
F24 The English rock-garden 2 v. 1919.
- 457.2 Heehne, F.C.
H67B Botanica Expedição scientifica Russevelt-Rondon
Annexe 2 N.1914
- 464.9 India. Board of agriculture
In2 Proceedings of 2d meeting of myccological workers in
India held at Pusa, Feb. 1919.
462. Lloyd, C. G.
L77 The large Pyrenomyces. Jy.1919.
(His Myccological writings v.5)
- 462 Oudemans, C.A.J.A.
Ou2E Enumeratio systematica fungorum v.1. 1919.
- 463.2 Reichert, E.T.
R27B A biochemic basis for the study of problems of taxonomy,
heredity, ewlution etc, with especial reference to the
starches ... 1919 (Carnegie Inst. Publ.270)
- 464.09 Valle Zenc, Rafael del
V24 La enfermedad del "matizado" o "manchas amarillas" de
la caña de azucar. Algunos datos relativos a la importancia
del descubrimiento de la causa morbosa hecho por el...
Rafael del Valle Zenc New York, 1919.
cover-title, 16 p. 22cm.
- 18 Wehsarg, Otto
D48 Die bekämpfung des unkrautes 14. St. Dieverbreitung
und bekämpfung der ackerunkräuter in Deutschland bd.I.
Biologische studien und allgemeine bekämpfung 1918
(Arb. Deut. Landw. Ges. h. 294)



Acta Soc. Fauna et Flora Fenn.

Florström, B.

Studier öfver Taraxacum-floran i Satakunta Acta Soc. Fauna et Flora Fenn. v.39, no.4 124 p. 10 fold. maps 1914.

Hjelt, H.

Corspectus florae fennicae V Dicotyledonae pars IV Rosaceae-Solanaceae Acta Soc. Fauna et Flora Fenn. v.41 no.1 502 p. 1919.

Notae auctorum VI: p. 490-497

Lindroth, afterwards Lirc, Johan Iwar

Ålandska växtnamn Acta Soc. Fauna et Flora Fenn. v.40, no.4 40 p. 1915

Palmgren, A.

Studier öfver löfängschräderna på Åland Acta Soc. Fauna et Flora Fenn. v.42 633 p. fold. tab., 2 fold. maps 1915-17

Teräsvuori, K.

Ueber in Finnland feldmässig gebaute erbsenformen. Experimentelle vererbungsuntersuchungen mit besonderer berücksichtigung der anzahl der samenanlagen und samen in den hülisen Acta Soc. Fauna et Flora Fenn. v.40, no.9 142 p. 1915.

Agr. Gaz. N.S.W.

Breakwell, B.

Popular descriptions of grasses (cont.) The Danthonia grasses Agr. Gaz. N.S.W. 31: 24-28 illus. Ja.1920. No.1.

Amer. Fern Journ.

Clarkson, E. H.

The irresistible charm of the ferns Amer. Fern Journ. 9: 109-115 pl. 7-8 O./D.1919. No.4.

Graves, E. W.

A new station for *Cyrtomium falcatum* and *Pteris longilobata* in Alabama. Amer. Fern Journ. 9: 119-120 O./D.1919 No.4.

Harper, R. M.

Water and mineral content of an epiphytic fern Amer. Fern Journ. 9: 99-103 O./D.1919. No.4.

Jennings, O. E.

Some curiously cut specimens of *Dryopteris* Amer. Fern Journ. 9: 117-119 O./D.1919. No.4.

Nelson, J. C.

Another freak *Equisetum* Amer. Fern Journ. 9: 103-106 illus. O./D.1919. No.4.

Steil, W. N.

On the viability of certain fern spores Amer. Fern Journ. 9: 120-121 O./D.1919.

Weatherby, C. A.

A neglected character in the beech-ferns Amer. Fern Journ. 9: 121-122 illus. O./D.1919. No.4.

Weatherby, C. A.

Records of monomorphic *Equisetum telmateia* Amer. Fern Journ. 9: 122-123 O./D.1919. No.4.

Winslow, E. J.

Willoughby Lake, Vt., a candidate for the title of "richest fern locality" Amer. Fern Journ. 9: 107-109 O./D.1919.

Amer. Journ. Bot.

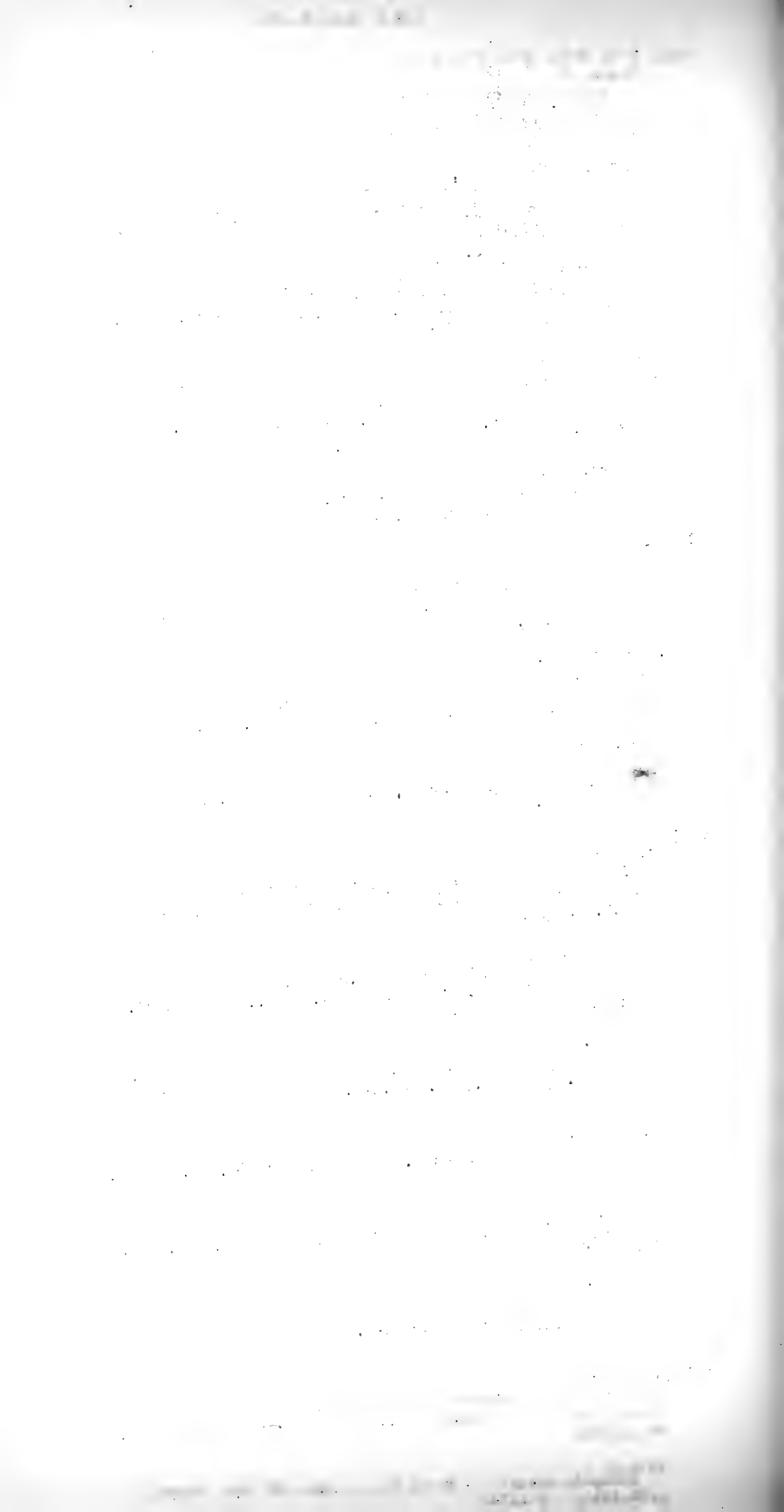
Androneanu, D. I.

Germination and further development of the embryo of *Zea mays* separated from the endosperm Amer. Journ. Bot. 6: 443-452 pl. xli D.1919 [Ja.1920] No.11. Literature: p. 451.

[The page contains extremely faint and illegible text, likely bleed-through from the reverse side of the document. The text is scattered across the page and does not form any recognizable words or sentences.]

- Amer. Journ. Bot.
Knulson, L. and Lindstrom, E. W.
Influence of sugars on the growth of albino plants
Amer. Journ. Bot. 6: 401-405 D.1919 [Ja.1920] No.10.
Literature cited: p. 405
- Weimer, J. L.
Variations in *Pleurage curvicolla* (Eint.) Kuntze
Amer. Journ. Bot. 6: 406-409 D.1919 [Ja.1920] No.10.
- Yampolsky, C.
Inheritance of sex in *Mercurialis annua* Amer. Journ.
Bot. 6: 410-442 illus., pl. xxxvii-xl. D.1919 [Ja.1920]
No.10. (Bibliography: p. 440-442)
- Thaxter, R.
William Gilson Farlow, Dec.17, 1844 - June 3, 1919
Amer. Journ. Sci. IV, 49: 87-95 part. F.1920. No.290.
Reprinted from the Harvard Graduates Mag. Dec.1919.
- Ann. Rep. New Jersey Agr. Exp. Stat.
Blake, M. A.
Report of the Dept. of horticulture Ann. Rep. New
Jersey Agr. Exp. Stat. 39(1917/18): 39-64 1919
- Cock, M. T.
Report of Dept. of plant pathology Ann. Rep. New
Jersey Agr. Exp. Stat. 39(1917/18): 276-302 1919.
- Halsted, B. D.
Report of Dept. of botany Ann. Rep. New Jersey
Agr. Exp. Stat. 39(1917/18): 195-201 1919
- Atti R. Accad. Lincei V, Rend. Cl. Sci. Fis. Mat. e Nat.
Peglion, V.
La forma ascofera (*Miscosphaera quercina*) dell'
cidio della quercia nel Bolognese Atti R. Accad.
Lincei V. Rend. Cl. Sci. Fis. Mat. e Nat. 28(2): 197-
198 1919. No.5/8
- Strampelli, M.
Esperienze intorno alla carie (*Tilletia caries*) del
frumento Atti R. Accad. Lincei V, Rend. Cl. Sci. Fis.,
Mat. e Nat. 28(2): 151-153 1919.
Tests of varieties for susceptibility and treatment.
- Biochem. Zeitschr.
Gomnermann, M.
Die saponine von *Chenopodium quinca*, *Euphorbia* (*Tithy-
matus helioscopius*) *helioscopia*, *Euphorbia pepplus*, *Mercur-
ialis perennis* Biochem. Zeitschr. 97: 24-39. 1919. No.5/6.
- Bot. Gaz.
Clayberg, H. D.
Upland societies of Petoskey-walloon lake region. Bot.
Gaz. 69: 28-53 illus. (map) Ja.1920. No.1.
Literature cited: p. 52-53
Contr. Hull Bot. Labor. 256.
- Kanda, M.
Field and laboratory studies of *Verbena* Bot. Gaz. 69:
54-71. illus. pl.vi-ix Ja.1920. No.1.
Literature cited: p. 68-69
Contr. Hull Bot. Labor. 257.
- Schertz, F. M.
A chemical analysis of Sudan grass seed Bot. Gaz. 69:
72-82 illus. Ja.1920. No.1.
Contr. Hull Bot. Labor. 258.
- Thaxter, R.
Second note on certain peculiar fungus-parasites of
living insects Bot. Gaz. 69: 1-27 pl.i-v Ja.1920.
No.1 (Contr. Cryptog. Labor. Harv. Univ. no.85)
- Bull. Agr. Inst. Sci. Saigon
Vincens, F.
Maladies de l'*Hevea* dues au *Diplodia* Bull. Agr.
Inst. Sci. Saigon 1: 321-329 N.1919. No.11.

- Bull. Soc. Hist. Nat. Afr. Nord.
Maire, R.
Schedae ad mycothecam Borelai-africanam Ser.4,
fasc.13-16 Bull. Soc. Hist. Nat. Afr. Nord.10: 130-
151. illus., pl.2 Je.1919. No.6.
- Nicholas, G.
Remarques sur l'androcée des crucifères à propos de
fleurs anormales d'*Isatis djurdjurae* Coss. et Dur.
Bull. Soc. Hist. Nat. Afr. Nord 10: 111-114 illus. Je.1919
No.6.
- Trabut, L.
Sur un Pennisetum nouveau de la région de Tombouctou
Bull. Soc. Hist. Nat. Afr. Nord 10: 187 N.1919. No.8.
P. subglume n. sp.
- Canad. Field Nat.
Hatley, H. M.
Bctrychium obliquum Muhl. and var. *dissectum* (Spreng.)
new to the province of Quebec. Canad. Field Nat. 33:
97 N.1919. No.5.
- Henry, J. K.
Ribes divaricatum x *Ribes lobtii* Canad. N. Field.
Nat. 33: 94 N.1919. No.5.
- Compt. Rend. Soc. Biol. Paris
Widdeman, E. de
La myrmécophile dans le genre *Uncaria* (rubiacées) en
Afrique Compt. Rend. Soc. Biol. Paris 82: 1076-1078
1919 No.25.
- Deut. Obstbauzeit.
Laubert, R.
Ungewöhnliche flecke an äpfeln und birnen Deut.
Obstbauzeit. 65: 255-256 illus. N.1919. No.15.
- Drugs, Oil & Paints
Lin, D. Y.
China wood oil Drugs, Oil & Paints 35: 292-293
Ja.1920. No.8.
- Flora
Biedermann, W.
Der lipidgehalt des plasmas bei *Monotropas hypopitys*
und *Orobancha (speciosa)* Flora 113: 133-154 pl. iv-v
S.1919. No.1/2.
- Heinricher, E.
Ist die mistel (*Viscum album* L.) wirklich nur insekten-
blütler? Flora 113: 155-167 pl. vi S.1919. No.1/2.
Bibliographical foot notes
- Stahl, E.
Zur physiologie und biologie der exkrete Flora 113:
1-132 pl. i-iii S.1919. No.1/2.
- Garden
Bliss, A. J.
A new iris classification. Garden, 83: 602. D.20,1919.
No.2509.
- C.,R.S.
Curtis's "Botanical magazine" Garden 84: 3. No.2511.
Ja.3,1920.
- Joseph, J.
"The compleat gardener's practice" Garden 84: 6-7,
20-21 Ja.3,10,1920. No.2511-2.
- Gard. Chron. III.
Farrer, R.
Mr. Reginald Farrer's second exploration in Asia no.12
First seeds Gard. Chron. III, 67: 6-7 illus. No.1723
Ja.3,1920.
- Irving, W.
Gentiana crinita. Gard. Chron. III. 66: 311. illus.
D.20,1919. No.1721.



- Gard. Chron.III.
Thomson, P. M.
Mistletoe growing on a rose bush. Gard. Chron.III
66: 322. illus. D.27,1919. No.1722.
- Geogr. Journ.
Olgivie, A. G.
A contribution to the geography of Macedonia Geogr.
Journ. 55: 1-34 plates fold. map Ja.1920.
Vegetation: p. 9-15 (vegetation map, inset on fold. map)
- Hawaii Agr. Exp. Stat. Bull.
Carpenter, C. W.
Potato diseases in Hawaii and their control Hawaii
Agr. Exp. Stat. Bull. 45 42 p. illus., xv pl. Ja.1920.
- Intern. Sugar Journ.
Rosenfield, A. H.
Kavangire: Porto Rico's mosaic disease-resisting cane.
Something of its history and behaviour in the Argentine.
Intern. Sugar Journ. 22: 26-33 Ja.1920. No.253.
- Journ. Agr. Res.
Atanasoff, D. & Johnson, A.G.
Treatment of cereal seeds by dry heat Journ. Agr. Res.
v.18, no.7 p.379-390 pl.48-49 Ja.2,1920.
Literature cited: p.377-378
- LeClerc, J.A. & Breazeale, J.F.
Effect of lime upon the sodium-chlorid tolerance of
wheat seedlings Journ. Agr. Res. v.18, no.7 p.347-356
pl.38-47 Ja.2,1920.
- Menaul, P. and Dowell, C.T.
Cyanogenesis in Sudan grass: a modification of the Francis-
Cornell method of determining hydrocyanic acid Journ. Agr.
Res. v.18, no.8 p.447-450. Ja.15,1920.
- Shive, J. W.
Relation of moisture in solid substrata to physiological
salt balance for plants and to the relative plant producing
value of various salt proportions. Journ. Agr. Res. v.18,
no.7, p.357-378 Ja.2,1920.
Literature cited: p. 377-378.
- Speare, A. T.
Further studies of *Sorosporella uvella*, a fungous parasite
of noctuid larvae Journ. Agr. Res. v.18, no.8 p.399-440
pl.51-56 Ja.15,1920.
Literature cited: p.438-439
- Journ. Agr. Sc. Austr.
Osborn, T. G. B.
Two serious new wilt diseases Journ. Agr. Sc. Austr.
23: 437 D.1919
Spotted wilt of tomatoes; strawberry wilt causes as yet
undetermined.
- Journ. Dept. Agr. Brit. Guiana
Waby, J. F.
Notes on a collection of preserved dry fruits and seeds
(cont.) Journ. Dept. Agr. Brit. Guiana 12: 275-282
O.1919. No.4.
- Waby, J.F.
Some interesting species of palms (cont.) Journ. Dept.
Agr. Brit. Guiana 12: 271-275 O.1919. No.4.
Acroecmia sclerocarpa Dictyosperma, *Astrocaecium* Didymos-
perma, *Ravenalia*.
- Journ. Dept. Agr. Techn. Instr. Ireland.
Ireland. Dept. of agriculture and technical instruction
Celery leaf-spct disease or blight Journ. Dept. Agr.
Techn. Instr. Ireland, 20: 86-87. pl.1919. No.1.
- Journ. Elisha Mitchell Sci. Soc.
Coker, W. C.
Craterellus, Cantherellus and related genera in North
Carolina; with a key to the genera of gill fungi. Journ.
Elisha Mitchell Sci. Soc. 35: 24-48 pl.1-17 (1, col.) O.1919
Rec'd. Ja.1920. No.1/2.

Journ. Elisha Mitchell Sci. Soc.
Coker, W. C.

The distribution of *Rhizolendron catawbiense*,
with remarks on a new form Journ. Elisha Mitchell
Sci. Soc. 35: 76-82 pl.19-22 (incl.map) O.1919. No.1/2.
R. catawbiense form *insularis*

McAtsee, W. L.

Notes on the flora of Church's Island, North Carolina
Journ. Elisha Mitchell Sci. Soc. 35: 61-75 O.1919. (Rec'd.
Ja.1920) No.1/2.

Journ. For.

Hubert, E. E.

The disposal of infected slash on timber-sale areas in
the northwest Journ. For. 18: 34-56 Ja.1920. No.1.
Bibliography: p. 55-56

Journ. Min. Agr. Gt. Brit.

Paine, S. G. and Bewley, W.F.

"Stripe" disease of tomatoes Journ. Min. Agr. Gt.
Brit. 26: 998-1000 Ja.1920

An abridgement of an article which is to appear in
Ann. Appl. Biol. v.6.
Bacillus lathyri

Minn. Hort.

Bisby, G. R.

Progress in 1918 in controlling potato diseases. Minn.
Hort. 47: 462-465 illus. D.1919.

Mycologia

Adams, J. F.

The alternate stage of *Pucciniastrum hydrangeae*
Mycologia 12: 33-35 Ja.1920.

Publications cited: p. 35

Peridermium hydrangeae

Centr. Dept. Bot. Penn. State Coll. no.19

Martin, G. W.

An early American record of mushroom poisoning
Mycologia 12: 53-54 Ja.1920. No.1.

Murrill, W. A.

Collecting fungi at Yama Farms Mycologia 12: 42-43
Ja.1920. No.1.

Murrill, W. A.

Collecting fungi near Washington Mycologia 12: 51-
52 Ja.1920. No.1.

Murrill, W. A.

Corrections and additions to the polypores of temperate
North America Mycologia 12: 6-24 Ja.1920. No.1.

Murrill, W. A.

The genus *Poria* Mycologia 12: 47-51 Ja.1920.

Murrill, W. A.

Trametes serpens Mycologia 12: 46-47 Ja.1920. No.1.

Seaver, F. J.

Photographs and descriptions of cup-fungi VIII *Elvela*
infula and *Gyromitra esculenta* Mycologia 12: 1-5, pl.1.
1920. No.1.

Rosen, H. R.

Ergot on *Paspalum* Mycologia 12: 40-41 Ja.1920.

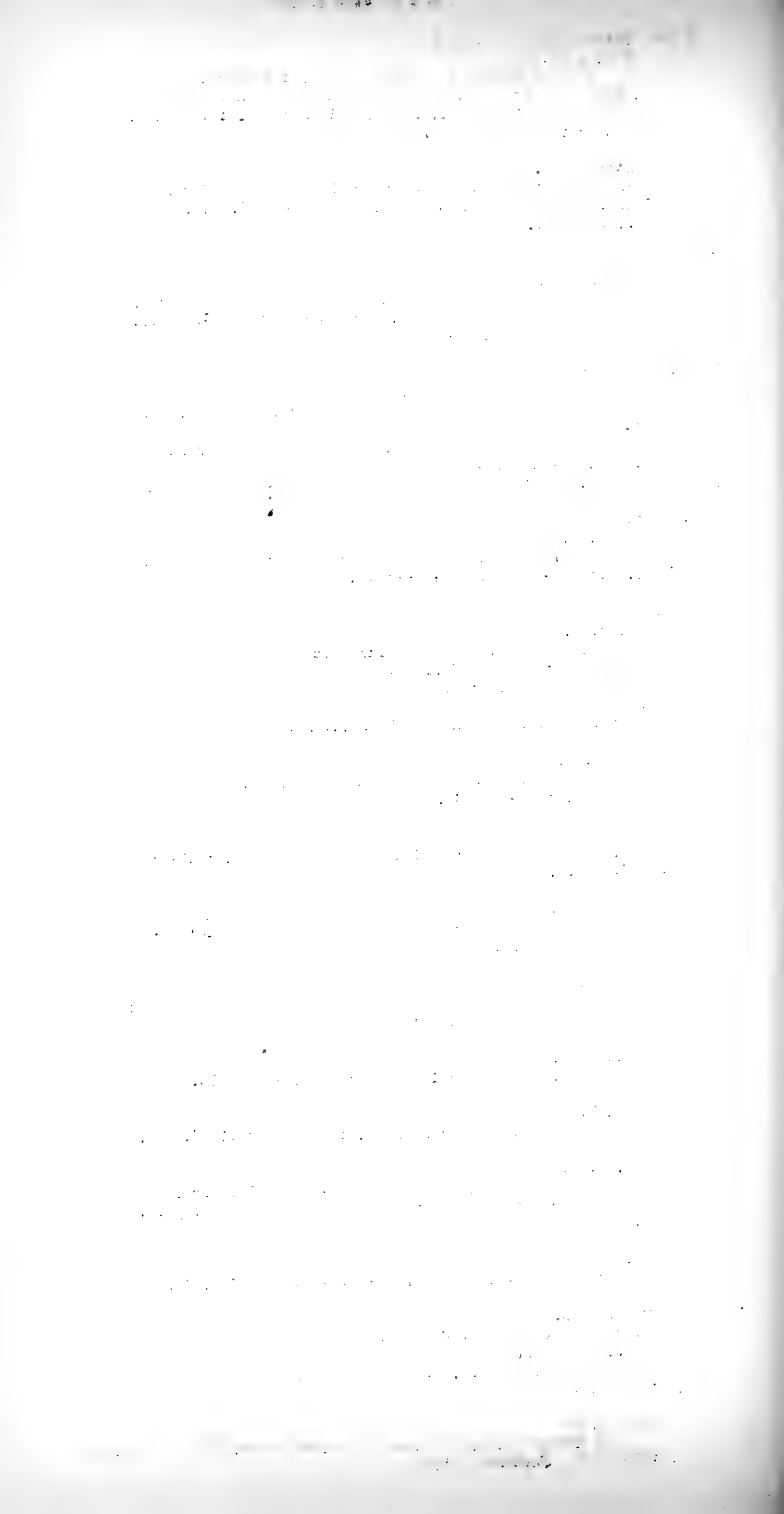
Stevens, F. L.

Three new fungi from Porto Rico Mycologia 12: 52-
53 Ja.1920. No.1.

Microstema ingaicola, *M. pithecolobii*, *Periconoplasma para*
portericensis.

Tanaka, T.

New Japanese fungi. Notes and translations VIII Mycologia
12: 25-32 Ja.1920. No.1.



Naturw. Wochenschr.

Killerman, S.

Die herkunft des kalmus (*Accrus calamus* L.)

Naturw. Wochenschr. n.f., 18: 633-637 illus. No.44.
N.2,1919. (Bibliographical foot notes)

Killerman, S.

Zur geschichte der kakteen Naturw. Wochenschr. n.f.,
18: 665-668 N.16,1919. No.46.
Bibliographical foot notes

Marzell, H.

Zur kulturgeschichte des schellkrautes Naturw. Woch-
enschr. n.f., 18: 601-604 O.19,1919. No.42.
Chenopodium bonus henricus
Bibliographical foot notes

Schüpp, O.

Die formen des labblattes, ihre entstehung und umbildung
Naturw. Wochenschr.n.f., 18: 585-592 illus. O.12,1919.
No.41.

Parfum. Med.

Gattefossé, Jean

Catalogue des végétaux aromatiques de l'Indochine
Parfum. Med. 12: 183-197 illus. No.11. N.1919.

Lergues, J. de

Nos ressources végétales odorantes (fin) Parfum.
Med. 12: 206-208 N.1919. No.7.

Plant World

Pickler, W. E.

Water content and temperature as factors influencing
diastase formation in the barley grain Plant World
22: 221-238 Ag.1919[1920] No.8.
Literature cited: p. 233.

Reed, H. S. and Halma, F. F.

The evidence for a growth-inhibiting substance in the
pear tree Plant World 22: 239-247 Ag.1919 [1920]
Paper 59, Univ. Calif. Graduate school of tropical agri-
culture and citrus experiment station. No.8.

Wells, B. W.

An aberrant inflorescence of *Allium mutabile* Plant
World 22: 251-252 illus. Ag.1919 [1920] No.8.

Potato Mag.

Orton, C. R.

The potato diseases problem Potato Mag. v.2, no.7,
p.10-14 illus. Ja.1920.

Proc. Roy. Soc. Ser. B

Arber, A

The vegetative morphology of *Pistia* and the Lemnaceae
Proc. Roy. Soc. Ser. B, 91: 96-103 Ja.1920. No.6363.
List of memoirs cited: p. 102-103

Smith, F. and White, C. T.

An interim census of cyanophoric plants in the Queensland
flora Proc. Roy. Soc. Queensl. 30: 84-90 Jy.1918.
References: p. 90.

Pulp & Paper Mag.

Acree, S. F.

Destruction of wood and pulp by fungi and bacteria
Pulp & Paper Mag. 17: 569-571 Jy.17,1919.

Queensl. Agr. Journ.

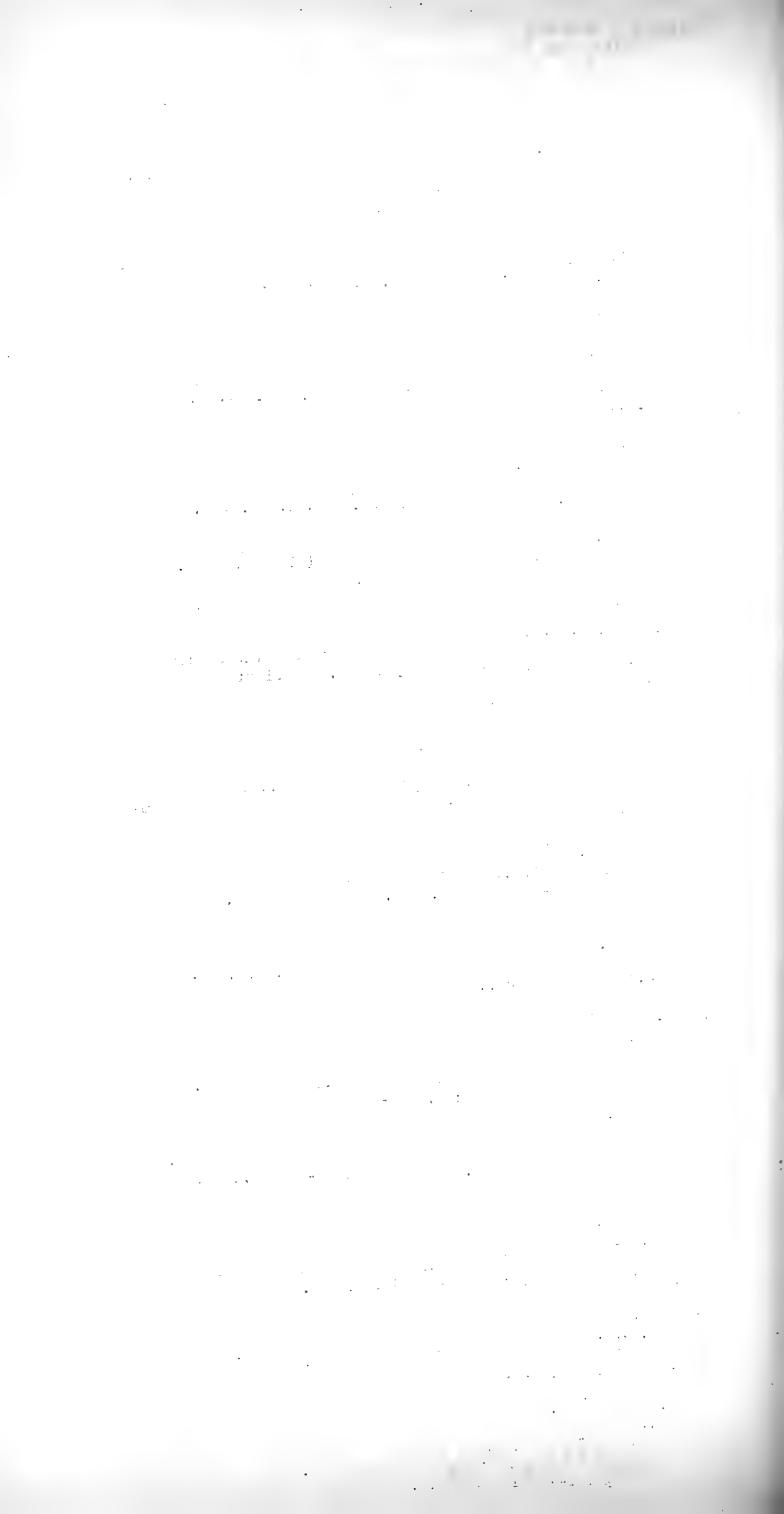
White, C.T.

Flora of the Bunya mountains Queensl. Agr. Journ. 13:
25-31 Ja.1920. No.1.

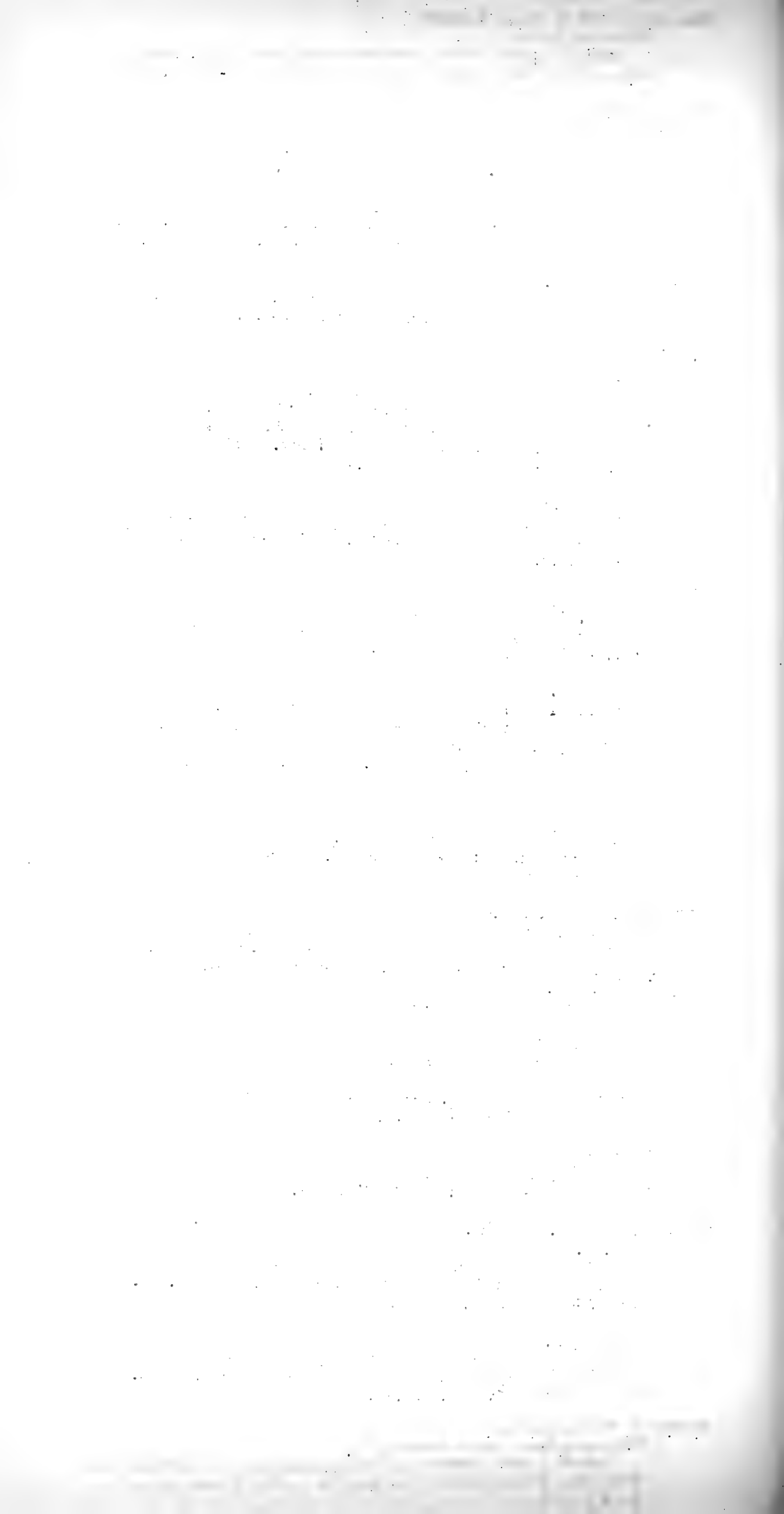
Rec. Trav. Bot. Néerl.

Vries, E. de

Versuche über die frucht- und samenbildung bei artkreu-
zungen in der gattung *Primula* Rec. Trav. Bot. Néerl. 16:
63-205 pl. i-ii 1919. No.2.



- Rep. Agr. & Stock Dept. Tasmania
Nichols, H. M.
Annual report of the government microbiologist 1918/19
Rep. Agr. & Stock Dept. Tasmania 1918/19 p.20-23 1919
- Rev. Agr. Puerto Rico
Legrand, J. F.
Plantas utiles de Puerto Rico Rev. Agr. Puerto
Rico v.3, no.7 p.12-16 illus. D.1919.
- Matz, J.
Algunas enfermedades del follaje en plantas Rev. Agr.
Puerto Rico v.3, no.7, p.20-24 illus. D.1919.
- Stevenson, J. A.
Enfermedades del citro en Puerto Rico (cont.) Rev.
Agr. Puerto Rico v.3, no.7, p.25-32. D.1919.
- Rev. Gén. Bot.
Guilliermond, A.
Observations vitales sur le chondriome des végé-
taux et recherches sur l'origine des chromoplastides
et le mode de formation des pigments xanthophylliens
& carotiniens... (suite) Rev. Gén. Bot. 31: 532-603
illus., pl.11-20 1919. No.371.
- Sprecher, A.
Étude sur la semence et la germination du *Garcinia*
mangostana L. Rev. Gén. Bot. 31: 513-531. illus.,
pl.5-7 1919. No.371.
- Science
McMurphy, J. and Peirce, G. J.
Drought and the root-system of *Eucalyptus* Science
51: 118-120 Ja.1920. No.1509.
- Trelease, W.
Botanical achievement Science 51: 121-131 F.6, 1920.
Address of retiring president of the Botanical society
of America, D.31, 1919.
Some suggestive addresses: p. 130-131. No.1310.
- Sci. Amer. Month.
Schanz, F.
The effects of light on plants, light as a catalyzer
Sci. Amer. Month. 1: 12-16 Ja.1920. No.1.
Transl. from Biol. Zentralbl.
- Trans. Amer. Micros. Soc.
Gilbert, E. M.
A peculiar entomophthoroid fungus Trans. Amer.
Micros. Soc. 38: 263-269 pl.xxvii-xxviii O.1919.
[Rec'd. Feb.1920] No.4.
Bibliography: p. 267-268
- Steil, W. N.
The distribution of the archegonia and the antheridia
on the prothallia of some homosporous leptosporangiate
ferns. Trans. Amer. Micros. Soc. 38: 271-274 illus.
O.1919 (Rec'd. F.1920) No.4.
- Taylor, F. B.
Diatoms, new genera and species Trans. Amer. Micros.
Soc. 38: 283-290 O.1919 (Rec'd. Feb.1920) No.4.
- Zeitschr. Obst- u. Gartenb.
Bode, A.
Bekämpfung der schädlinge und krankheiten auf obstbäumen
und beerensträuchern Zeitschr. Obst- u. Gartenb. n.f.,
45: 168-169 1919. No.11.
- Fischer, H.
Beitrag zur graphischen auswertung der wachstums er-
scheinungen bei pflanzen Zeitschr. Forst- u. Jagdw.
51: 527-534 O.1919. No.10.
- Zeitschr. Pflanzenzucht.
Akermann, Ake and Johansson, H.
Beiträge zur kenntnis der kälteresistenz des winterweizens
Zeitschr. Pflanzenzucht. 5: 349-356 1917. (Bibliographical
foot notes)



Zeitschr. Pflanzenzücht.

Kiessling, L.

Ueber die spezifische empfindlichkeit der gerste gegenüber der streifenkrankheit Zeitschr. Pflanzenzücht. 5: 31-40 1917.

Molz, E.

Ueber züchtung widerstandsfähiger sorten unserer kulturpflanzen Zeitschr. Pflanzenzucht. 5: 121-244 illus. 1917.

Recent Books.

- 90 Bailey, L.H.
B15A The nursery-manual 1920.
- 460.41 Beguinot, A. & Varcari, A.
B39 Contributo alla flora della Libia 1912
(Monografia e rapporti coloniali n.16)
- 98 Bellair, G.A.
B41 Parcs and jardins 1919.
- 90 Bois, D.
B63P Le petit jardin 1919
- 452.9 Engler, A.
En3V3 Die vegetation der erde, v.IX, v.3, pt.1 1915.
Die pflanzenwelt Afrikas insbesondere seiner tropischer gebiete.
- 97 Frey, M.
P75 Flowers of winter 1917 (Pocket garden library v.IV)
- 455.83 Jaeger, E.C.
J17 The mountain trees of Southern California. 1919
- 409 New York Academy of Science
N483 Scientific survey of Porto Rico and the Virgin Islands.
v.1, pt.1. 1919.
History of the survey, by N. L. Britton (remainder of this part on Geology)
- 97 Shaw, E.E.
P97 Garden flowers of autumn 1917(Pocket garden library v.III)
- 97 Shaw, E.E.
P75 Garden flowers of spring 1917(Pocket garden library v.I)
- 97 Shaw, E. E.
T38 Garden flowers of summer 1917(Pocket garden library II)
- 443 Thomson, J. A.
T38 Haredity 3d ed. 1919.
- 460.41 Trotter, A.
T75 Flora economica della Libia 1915.
- 93 Wickson, E.J.
W63C California fruits 8th ed. fully rev. 1919
- 99.79 Winn, W.
W73 Timbers and their uses. 1919.
Fungoid pests: p. 139-152.

Agric. Colon.

Maugini, A.

Appunti sulla vegetazione della Cirenaica e sulla sua utilizzazione agraria. Agric. Colon. 13: 515-546 illus. D. 1919. No. 12.

Amer. Journ. Bot.

Potter, G. F.

An apparatus for automatically changing the temperature of a chamber Amer. Journ. Bot. 7: 39-43 pl. i-ii Ja. 1920 No. 1.

Rumbold, C.

The injection of chemicals into chestnut trees Amer. Journ. Bot. 7: 1-20 Ja. 1920. No. 1.
Literature cited: p. 19-20.

Yampolsky, C.

The occurrence and inheritance of sex intergradation in plants Amer. Journ. Bot. 7: 21-38 Ja. 1920. No. 1. (Bibliography: p. 37-38)

Ann. Bot.

Bergman, H. F.

The relation of aeration to the growth and activity of roots and its influence on the ecesis of plants in swamps. Ann. Bot. 34: 14-33 Ja. 1920. No. 133.
Bibliography: p. 32-33.

Bristol, B. M.

On the alga-flora of some desiccated English soils: an important factor in soil biology. Ann. Bot. 34: 35-80 illus. pl. ii Ja. 1920. No. 133.

Campbell, D. H.

Studies in some East Indian Hepaticae, *Calobryum blumei*, N. ab E. Ann. Bot. 34: 1-12 illus., pl. i Ja. 1920. No. 133.

Ghose, S. L.

A new species of *Urcnema* from India Ann. Bot. 34: 95-98 illus. Ja. 1920. No. 133. (*U. indicum*)

Ann. Rep. Smithson. Inst.

Hitchcock, A. S.

Floral aspects of the Hawaiian Islands. Ann. Rep. Smithson. Inst. 1916/17 p. 449-462 25 pl. 1919.

Safford, W. E.

Natural history of Paradise Key and the nearby Everglades of Florida. Ann. Rep. Smithson. Inst. 1916/17 p. 377-434. illus., 64 pl. (partly col.) map 1919

True, R. H.

Notes on the early history of the pecan in America. Ann. Rep. Smithson. Inst. 1916/17 p. 435-448 1919.
Bibliographical fact notes (Reprinted 1919)

Arch. Rubbercult. Nederl- Ind.

Hauser, C.

Over de wortplantingsorganen van *Hevea brasiliensis* Müll. Arg. Arch. Rubbercult. Nederl- Ind. 3: 455-514 incl. xv pl. D. 1919. No. 11.
Meded. Algem. Proefst. A.V.R.O.S. Rubber ser. no. 24.

Ber. Deut. Pharm. Ges.

Michaelis, H.

Zur geschichte der lupine. Ber. Deut. Pharm. Ges. 29: 518-530. 1919. (Bibliography in fact notes) No. 6.

Bot. Gaz.

Buchholz, J. T.

Polyembryony among Abietineae Bot. Gaz. 69: 153-167 illus. F. 1920. No. 2.
Literature cited: p. 167
Contr. Hull. Bot. Labor. 231.

[The page contains extremely faint and illegible text, likely bleed-through from the reverse side of the document. The text is arranged in several paragraphs and is difficult to decipher.]

Bot. Gaz.

Jones, H. A.

Physiological study of maple seeds Bot. Gaz.
69: 127-152 F.1920. No.2.
Literature cited: p. 151-152.
Contr. Hull. Bot. Labor. 260.

Phillips, T. G.

Chemical and physical changes during geotropic
response Bot. Gaz. 69: 168-172 F.1920. No.2.
Literature cited: p. 178.
Contr. Hull Bot. Labor. 262.

Walster, H. L.

Formative effect of high and low temperature upon
growth of barley: a chemical correlation. Bot. Gaz.
69: 97-126 illus. F.1920. No.2.
Literature cited p. 126
Contr. Hull Bot. Labor. 259.

Weatherwax, P.

Position of scutellum and homology of coleoptile
in maize Bot. Gaz. 69: 179-182 illus. F.1920. No.2.

Bot. Mag. Tokyo

Koidzumi, G.

Contribuciones ad floram Asiae Orientalis (cont.)
Bot. Mag. Tokyo 33: 217-223 D.1919. No.396

Nakai, T.

Notulae ad plantas Japoniae et Koreae XXI Bot.
Mag. Tokyo 33: 193-216 N.1919. No.395.

Bacteria

Rick, J.

Contributio II ad monographiam agaricinarum brasil-
iensium Bacteria Ser. Bot. 17: 101-111 1919. No.3.

Bryologist

Britton, E. G.

Mosses of Bermuda Bryologist 22: 87 N.1919.
No.6 (Flora of Bermuda: p. 430-448)

Plitt, C. C.

A short history of lichenology Bryologist 22:
77-85 N.1919 [1920] No.6.

Seymour, M. E.

Mosses of the Cascade Mountains, Washington collected
by J. A. Allen Bryologist 22: 85-86 N.1919[1920]
No.6.

Bull. Agr. Inst. Sci. Saigon

Cohen Stuart, C. P.

Le nom scientifique de la plante de thé Bull.
Agr. Inst. Sci. Saigon 1: 358-361. D.1919. No.12.

Sahasrabudhe, D.L.

The deterioration of cardamom cultivation. The pests
and blights found in the spice garden. In his The spice
gardens of Sirsi in Kanara Bull. Dept. Agr. Bombay 83
of 1917 p.41-49 pl.v-viii 1917.
[Describes the "kutte disease"]

Bull. Soc. Bot. France

Gandoger, M.

Sertum plantarum novarum, pars secunda Bull. Soc.
Bot. France 66: 216-233 S.1919

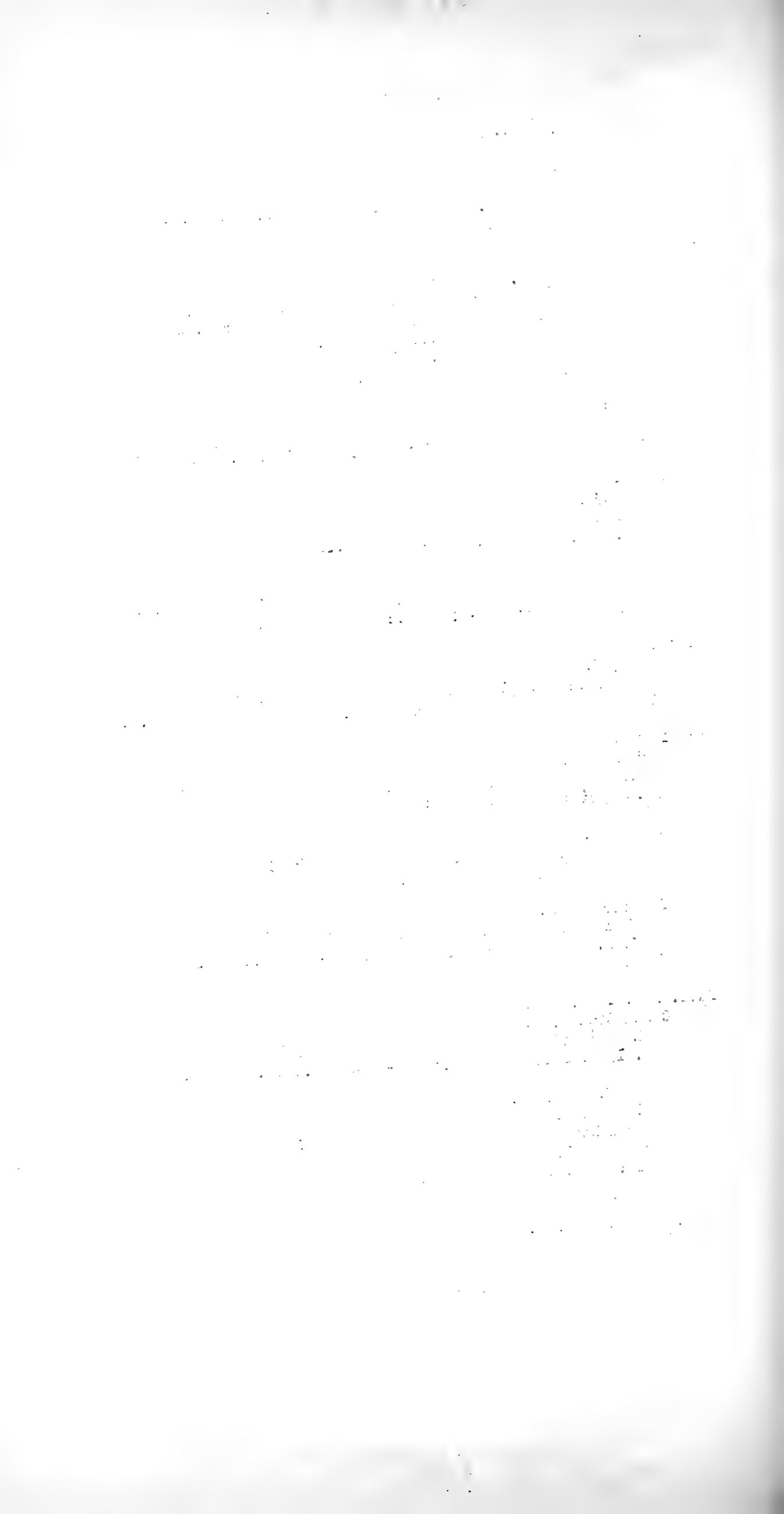
Pallegrin, F.

La variabilité du *Trichilia emetica* Vahl dans le
Haut Sénégal et le Niger. Bull. Soc. Bot. France 66:
229-240 S.1919. No.5/6

Bull. Torr. Club

Gleason, H. A.

Some application of the quadrat method Bull. Torr.
Club 47: 21-33 Ja.1920. No.1.
Literature cited: p. 32-33



Bull. Terr. Bot. Club

Howe, M. A.

Observations on amsporangial discs in the
genus *Liagora* Bull. Terr. Bot. Club 47: 1-8
pl. 1. illus. Ja.1920. No.1.

Merriman, M. L.

Studies in the conjugation of *Spirogyra ternata*
Bull. Terr. Club 47: 9-20 illus. Ja.1920. No.1.
Literature cited: p. 20.

Canad. Field Nat.

Victorin, Bro. Marie

Random botanical notes III. Isle-aux-Coudres, Que.
Canad. Field Nat. 33: 114-117. illus. (map) D.1919.
No.6.

Centralbl. Bakt. abt.II.

Stift, A.

Ueber im jahre 1917 veröffentlichte bemerkens-
werte arbeiten und mitteilungen auf dem gebiete der
tierischen und pflanzenlichen feinde der zuckerrübe
Centralbl. Bakt. abt.II, 49: 433-445 N.1919.

Bibliographical foot notes No.18/21

Compt. Rend. Acad. Sci. Paris

Licent, E.

La forme ascophore du *Clasterosporium fungorum*
(Fr.) Sacc. (*Anphisphaeria fungorum* n. sp. Eug.
Licent) Compt. Rend. Acad. Sci. Paris 170:
60-62 illus. 1920. no.1.

Sauvageau, C.

Sur le parasitisme d'une algue rouge (*Polysiphonia fastigata* Grev.)
Compt. Rend. Acad. Sci. Paris 169: 1383-1386 1919. No.26.

Parasitic on *Ascophyllium*

Wildeman, E. de

Un *Pterygota* (sterculiacées) nouveau de l'Af-
rique tropicale. Compt. Rend. Soc. Biol. Paris
82: 1397-1398 1919. No.34.

P. bequaerti

Country Life

Shipley, A. E.

New light on plant disease. Country Life, 47:
148-149. illus. Ja.31,1920. No.1204.

Curtis's Bot. Mag. IV, 15, no. 178/180 Oct./D.1919.

Baikiaea insignis Curt. Bot. Mag. IV, 15. 2 p.

col. pl. 8819 O./D.1919

Atraphaxis billardieri Curt. Bot. Mag. IV, 15

2 p. col. pl. 8820 O./D.1919.

Primula spicata Curt. Bot. Mag. IV, 15 2 p.

col. pl. 8821 O./D.1919.

Cotyledon oppositifolia Curt. Bot. Mag. IV, 15 2 p.

col. pl. 8822 O./D.1919

Eucynmus alatus Curt. Bot. Mag. IV, 15 2 p. col.

pl. 8823 O./D.1919

Thermoclethra longiflora Curt. Bot. Mag. IV, 15.

2 p. col. pl. 8824 O./D.1919

Sigmatostalix costaricensis Curt. Bot. Mag. IV,

15. 2 p. col. pl. 8825 O./D.1919.

Rosa glutinosa var. *dalmatica* Curt. Bot. Mag. IV,

15 2 p. col. pl. 8826 O./D.1919.

Campanula sulphurea Curt. Bot. Mag. IV, 15 2 p.

col. pl. 8827 O./D.1919.

Haworthia chalwini Curt. Bot. Mag. IV, 15 2 p.

col. pl. 8828 O./D.1919

Gaultheria cuneata Curt. Bot. Mag. IV, 15 3 p.

col. pl. 8829 O./D.1919

Florists' Exch.

Baxter, S. N.

Substitutes for the rust infected barberry and
other plants. Florists' Exch. 49: 367. F.14,
1920. No.7.

Fruit, Flow. & Veg. Trades Journ.

Wormald, H.

Some fungous diseases of fruit trees. Fruit, Flow. & Veg. Trades Journ. 36: 679, 681, 705, 707, illus. D.20-27, 1919; 37: 5 illus. Ja.3, 1920. No.25-26, No.1.

Gard. Chron. III.

Farrer, R.

Mr. Reginald Farrer's second exploration in Asia no.13 The rains. Gard. Chron. III, 67: 29 illus. Ja.17, 1920. No.1725.

Gough, G. C.

Plant hygiene. Gard. Chron. III, 67: 40-41 No.1726 Ja.24, 1920.

Garden Mag.

Wilson, E. H.

The romance of our trees. V. The horsechestnut. Garden Mag. 30: 267-271. illus. Feb.1920. No.7.

Genetics

Stout, A. B.

Further experimental studies on self-incompatibility in hermaphrodite plants Genetics 9: 85-129 pl. iii-iv Ja.1920. No.2.

References: p. 128-129

Journ. Arnold Arb.

Rehder, A.

New species, varieties and combinations from the herbarium and the collections of the Arnold Arboretum (cont.) Journ. Arnold Arb. 1: 191-210. Ja.1920.

Philadelphus rhombifolia, *Fendlera linearis* new species

Rehder, A.

Tetraplasia, a new genus of Rubiaceae Journ. Arnold Arb. 1: 190-191. Ja.1920.

T. biflora

Schneider, C. K.

Notes on American willows VII. a. The species of the section *Adenophyllae*. b. Sect. *Balsamiferae* Journ. Arnold Arb. 1: 147-171. Ja.1920. No.3.

Wilson, E. H.

The Liukiu Islands and their ligneous vegetation. Journ. Arnold Arb. 1: 171-186 Ja.1920. No.3.

Wilson, E. H.

Four new conifers from Korea Journ. Arnold Arb. 1: 186-190 Ja.1920. No.3.

Thuja koraiensis, *Abies koreana*, *A. nephrolepis* f. *chlorocarpa*, *Larix lahurica* var. *principis-rupprechtii* f. *viridis*.

Journ. Coll. Agr. Hokkaido Imp. Univ. Sapporo.

Tadokoro, T.

Kolloidchemische forschungen über das pflanzenplasma. Journ. Coll. Agr. Hokkaido Imp. Univ. Sapporo, 8: 143-152. Ag.1919.

Bibliographical footnotes

Journ. Ecol.

McLean, R. C.

Studies in the ecology of the tropical rain-forest: with special reference to the forests of South Brazil. Pt. I. Humidity (concl.) Pt. II. Illumination. Journ. Ecol. 7: 121-172 N.1919. No.3/4.

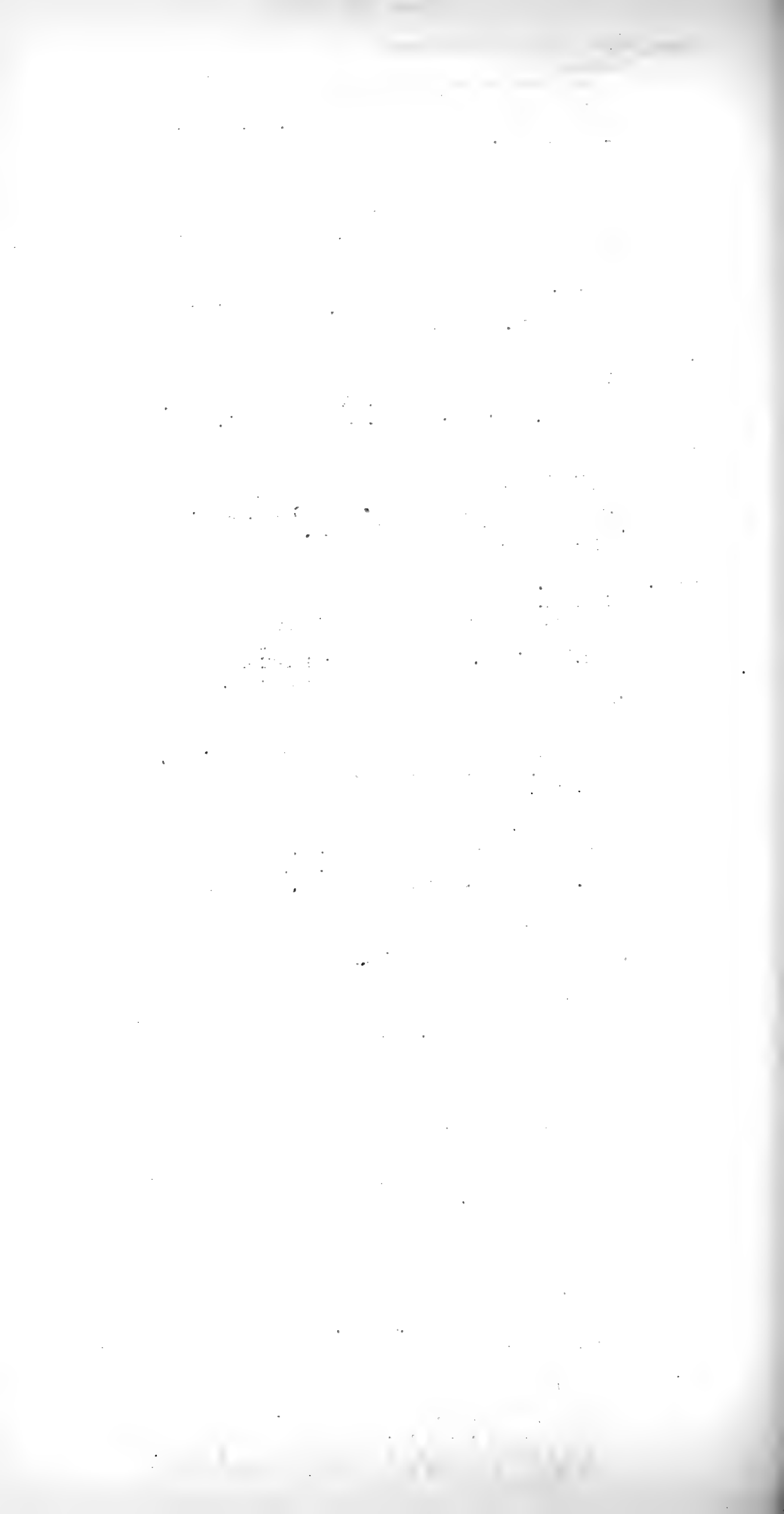
Bibliography: p. 171-172.

Journ. Franklin Inst.

Hepburn, J. S., St. John, E. Q. and Jones, F. M.

The absorption of nutrients and allied phenomena in the pitchers of the Sarraceniaceae. Journ. Franklin Inst. 189: 147-184. illus. F.1920. No.2.

Bibliography



- Journ. N. Y. Bot. Gard.
Murrill, W. A.
The lotus of ancient Egypt. Journ. N. Y. Bot. Gard. 20: 231. D.1919.
Plant known in America as "Egyptian lotus" was held sacred in India, China, and Japan, but never used as decorative motive by ancient Egyptians.
- Journ. N. Y. Bot. Gard.
Stout, A. B.
The aims and methods of plant breeding Journ. N. Y. Bot. Gard. 21: 1-16. Ja.1920. No.241.
- Mont. Agr. Exp. Stat. Bull.
Whipple, O. B.
Degeneration in potatoes. Montana Agr. Exp. Stat. Bull. 130 29 p. illus. Ap.1919.
Spindle-sprout; mosaic; curly-dwarf.
- Ohio Journ. Sci.
Schaffner, J. H.
Dieckmossness in *Thalictrum dasycarpum*. Ohio Journ. Sci. 20: 25-34. D.1919 [1920] No.2.
Schodde, D. E.
Polemoniaceae of Ohio Ohio Journ. Sci. 20: 43-47 D.1919 [1920] No.2.
- Philipp. Agr.
Maceda, F. N.
Selection in soy beans. Philipp. Agr. 8: 92-98. O.1919. No.3. (Bibliography, p.98)
Merrill, E. D.
On the application of the generic name *Melodorum* of Loureiro. Philipp. Journ. Sci. 15: 125-137. Ag.1919. No.2.
Retains genus *Melodorum* based on type *M. fruticosum* Lour., transferring other species of generic name *Fissistigma* Griff.
- Phytopath.
Botjes, J. O.
Raising phloem-necrosis and mosaic free potatoes and a source of infection whose nature has not yet been elucidated. Phytopath. 10: 48-49 Ja.1920.
Clinton, G. P.
William Gilson Farlow Phytopath. 10: 1-8 part. Ja.1920. No.1.
Quanjer, H. M.
The mosaic disease of the Solanaceae, its relation to the phloem-necrosis, and its effect upon potato culture. Phytopath. 10: 35-47 illus. No.1. Ja.1920.
Literature cited: p. 47.
- Rosenbaum, J.
Studies with *Macrosporium* from tomatoes. Phytopath. 10: 9-21 illus., pl. ii-iii Ja.1920.
Literature cited: p. 21.
Macrosporium tomato; *M. solani*
- Rumbold, C.
Causes for the production of pathological xylem in the injected trunks of chestnut trees. Phytopath. 10: 23-33 pl. iv-v. Ja.1920. No.1.
Literature cited: p. 33.
- Abstracts of papers presented at 11th annual meeting of Amer. Phytopath. Soc., St. Louis, 1919-20.
Phytopath. 10: 51-68 Ja.1920.
- Recent studies of *Septoria* wheat. R. O. Crowell.
An epidemic of *Fusarium* blight (scab) of wheat and other cereals. A. G. Johnson, J. G. Dickson & H. Johann.

Abstracts of papers presented at 11th annual meeting
of Amer. Phytopath. Soc., St. Louis, 1919-20. (cont.)

Foot-rot of wheat and its fungous associates. F. L. Stevens.

The resistance shown by three hard winter wheats, Kanred (P762), P1066 and P1068 to plant disease. L. E. Melchers.

The resistance of Kanred (P762), P1066, and P1068, three hard winter wheats, to leaf rust. L. E. Melchers and J. H. Parker.

The development of loose smut of wheat as modified by soil fertility. F. D. Fromme.

Relation between soil moisture and bunt infection in wheat. C. W. Hungerford and A. E. Wade.

Experiments on the control of stinking smut of wheat. G. H. Coons.

Evidence of disease resistance in barley to attacks of *Rhynchosporium*. A. G. Johnson and W.W. Mackie.

The purple sheath spot of corn. L. W. Durrell.

Some results of corn root rot work in Ohio. W.G. Stover.

Corn root and stalk rots. J. R. Holbert and G. N. Hoffer.

I. Iron accumulation and mobility in diseased cornstalks. G. N. Hoffer and R. H. Carr.

II. Experiments to test effects of iron salts on corn plants. G.N. Hoffer and R. H. Carr.

Correlation of early growth, variation and productivity of maize as influenced by certain pathologic factors. J. R. Holbert, J. G. Dickson, and H. H. Biggar.

Apple blister canker. W. O. Glover.

A preliminary report on apple scab and its control in Wisconsin. G. W. Keitt.

Results of spraying the apple for blotch in Ohio in 1919. W. G. Stover, F. H. Beach, and T. H. Parks.

A stem disease of tomato caused by *Macrosporium solani* E. & M. J. Rosenbaum.

Field tests with strains of wilt-resistant tomato seed in 1919. J. A. McClintock.

The *Alternaria* fruit rot and *Rhizoctonia* stem rot of tomatoes. M. T. Cook.

Spacing tomato plants for field spraying. C. E. Temple.

Tomato spraying experiments for the control of *Septoria*. C. E. Temple.

Effect of straw mulch on potato leaf roll. W. O. Glover.

Sulfur experiments for the control of potato scab. W. H. Martin.

The 1919 survey for potato wart. G. R. Lyman.

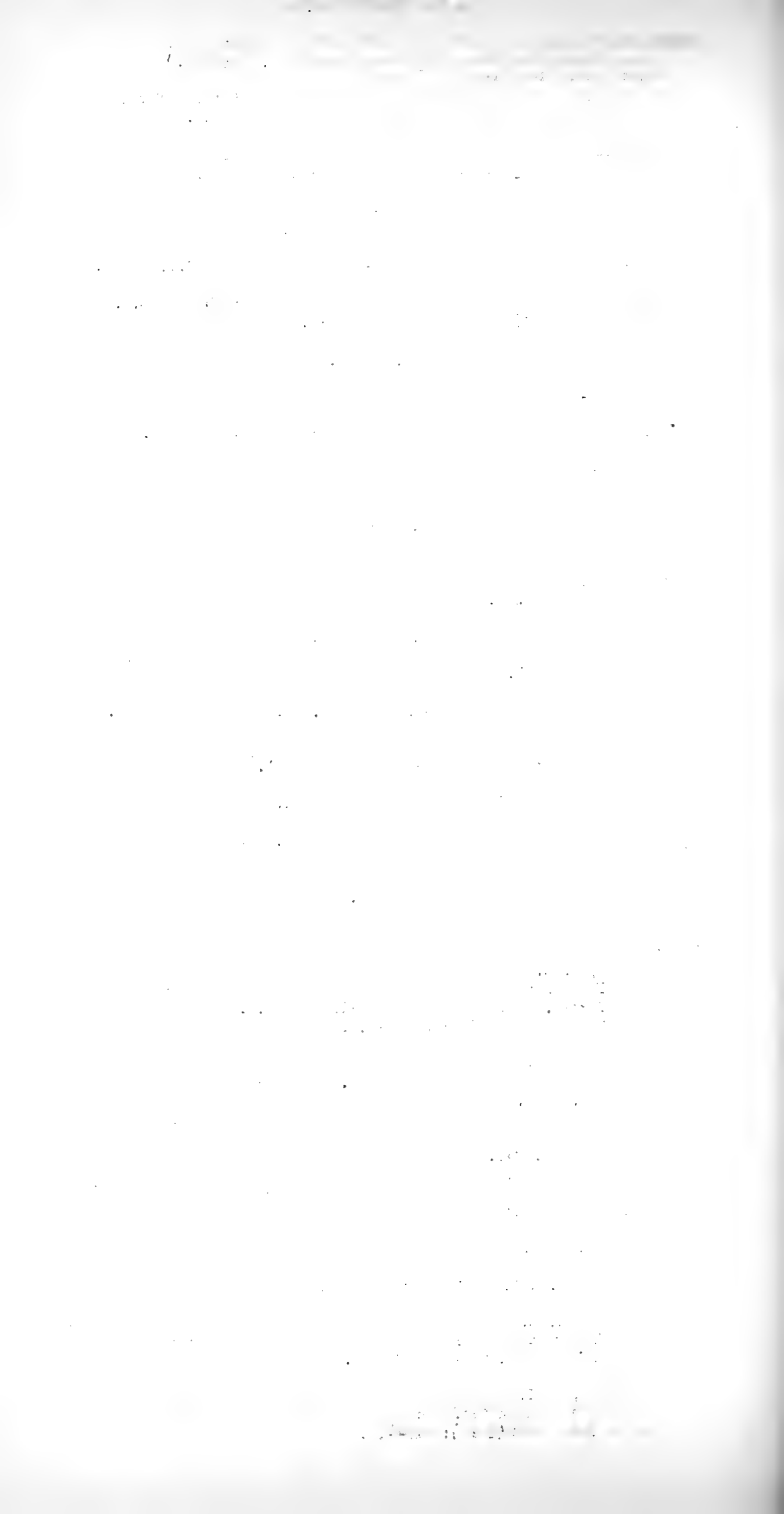
Wood-destroying fungi in pulp and paper mill roofs. R. J. Blair.

Black crust of Brazil nuts. E. R. Spencer.

Leaf hoppers and hopperburn of potato leaves. J. E. Kotila.

Main body of handwritten text, consisting of several paragraphs. The text is very faint and mostly illegible due to the quality of the scan. It appears to be a continuous narrative or a list of items.

- Abstracts of papers presented at 11th annual meeting of Amer. Phytopath. Soc., St. Louis, 1919-20. (cont.)
Phytopath. 10: 51-68. Ja. 1920.
- The relation of soil temperature and soil moisture of the occurrence of cabbage yellows. W. B. Tisdale.
- The influence of soil temperature on the development of potato scab. L. R. Jones and H. H. McKinney.
- The relation of soil temperature of the development of the tomato Fusarium wilt. E. E. Clayton.
- Occurrence and control of black leg of cabbage. J. C. Walker.
- Fifth progress report on Fusarium-resistant cabbage. L. R. Jones, J. C. Walker, W. B. Tisdale.
- Blossom blight of the peach. M. T. Cook.
- A heart-rot of peach. W. A. McCubbin.
- Changes of a decade in Plant Pathology. F. L. Stevens.
- The development of Urophlyctis alfalfae. F. R. Jones and C. Drechsler.
- Two destructive rusts ready to invade the United States. J. C. Arthur.
- Overwintering and control of bur clover leaf-spct. E. F. Hopkins.
- A disease of red clover and strawberry in the Pacific Northwest caused by the nematode Tylenchus dipsaci (Kühn), Bastian. L. P. Byars.
- Flax canker, a non-parasitic disease. C. S. Reddy and V. E. Brentzel.
- Pythium as a causal factor in "pea blight". F. R. Jones.
- Phoma root-rot of celery. C. W. Bennett.
- Scientific instruments and patent rights. D. Reddick.
- Studies on varietal resistance and susceptibility to bacterial blight of the soy bean. C. M. Woodworth and F. C. Brown.
- Proc. Amer. Phil. Soc.
Allen, C. E.
The basis of sex inheritance in Sphaerocarpa. Proc. Amer. Phil. Soc. 58: 289-316. illus. 1919.
Literature cited: p. 315-316.
- MacDougal, D. T.
Hydration and growth. Proc. Amer. Philos. Soc. 58: 346-372. 1919. No. 6.
Abstract prepared by author from lengthy manuscript.
- Proc. Iowa Acad. Sci.
Anderson, J. P.
Plants of southeastern Alaska. Proc. Iowa Acad. Sci. 25 (1918): 427-449.
- Conard, H. S.
The general classification of higher plants. Proc. Iowa Acad. Sci. 25 (1918): 237-240.
- Conard, H. S.
The white waterlily of McGregor, Iowa. Proc. Iowa Acad. Sci. 25 (1918): 235-236.
- Cratty, R. I.
Notes on an introduced woodland flora. Proc. Iowa Acad. Sci. 25 (1918): 411-412.



Proc. Iowa Acad. Sci.

Fitzpatrick, T. J.

The fern flora of northeastern Iowa Proc.
Iowa Acad. Sci. 25(1918): 417-421.

Hayden, A.

Notes on the floristic features of a prairie
province in central Iowa Proc. Iowa Acad. Sci.
25(1918): 369-389 illus.

Literature cited: p. 388-389.

Jaques, H. E.

Some phenological records of spring flowering
plants in Henry County Proc. Iowa Acad. Sci.
25 (1918): 413-415.

Kirby, R. S.

A study of the formation and development of the
flower buds of Jonathan and Grimes Golden in relation
to different types (clover soil, blue grass soil, cover
crop and clean tillage) of soil management Proc.
Iowa Acad. Sci. 25(1918): 265-287 pl.vii

Bibliography: p. 285-287.

Martin, J. N. and Yocum, L. E.

A study of the pollen and pistils of apples in
relation to the germination of the pollen Proc.
Iowa Acad. Sci. 25 (1918): 393-410.

Literature cited: p. 409-410.

Maxwell, H. L. and Knight, N.

The oil in cherry pits Proc. Iowa Acad. Sci.
25(1918): 451-455

Pammel, L. H. and King, C. M.

An annual white sweet clover Proc. Iowa Acad.
Sci. 25(1918): 249-251 pl.iv-vi.

Bibliographical foot notes

Pammel, L. H. and King, C. M.

The germination of some trees and shrubs and their
juvenile forms. Proc. Iowa Acad. Sci. 25(1918):
291-340. illus.

General bibliography: p. 340.

Pammel, L. H.

Perennial mycelium of parasitic fungi Proc. Iowa
Acad. Sci. 25(1918): 259-263

Bibliographical foot notes

Pammel, L. H. and C. M. King

A variation in the black walnut Proc. Iowa Acad.
Sci. 25(1918): 241-242. pl. i-iii.

Thoms, F. E. A.

Pioneer plants on a new levee IV Proc. Iowa Acad.
Sci. 25 (1918) : 423-425

Willey, F.

The vegetative organs of some perennial grasses
Proc. Iowa Acad. Sci. 25(1918): 341-347. illus.

Bibliography: p. 365-367.

Proc. Soc. Exp. Biol. & Med.

MacDougal, D. T. and Spehr, H. A.

Hydration effects of amine-compounds Proc.
Soc. Exp. Biol. & Med. 17: 33-36 1918. No.2.

Quart. Bull. Mich. Agr. Exp. Stat.

Spragg, F. A. and Down, E. E.

Rusts resisting sunflowers Quart. Bull. Mich.
Agr. Exp. Stat. 2: 128-129 illus. F.1920.

South American var. Kanurpher

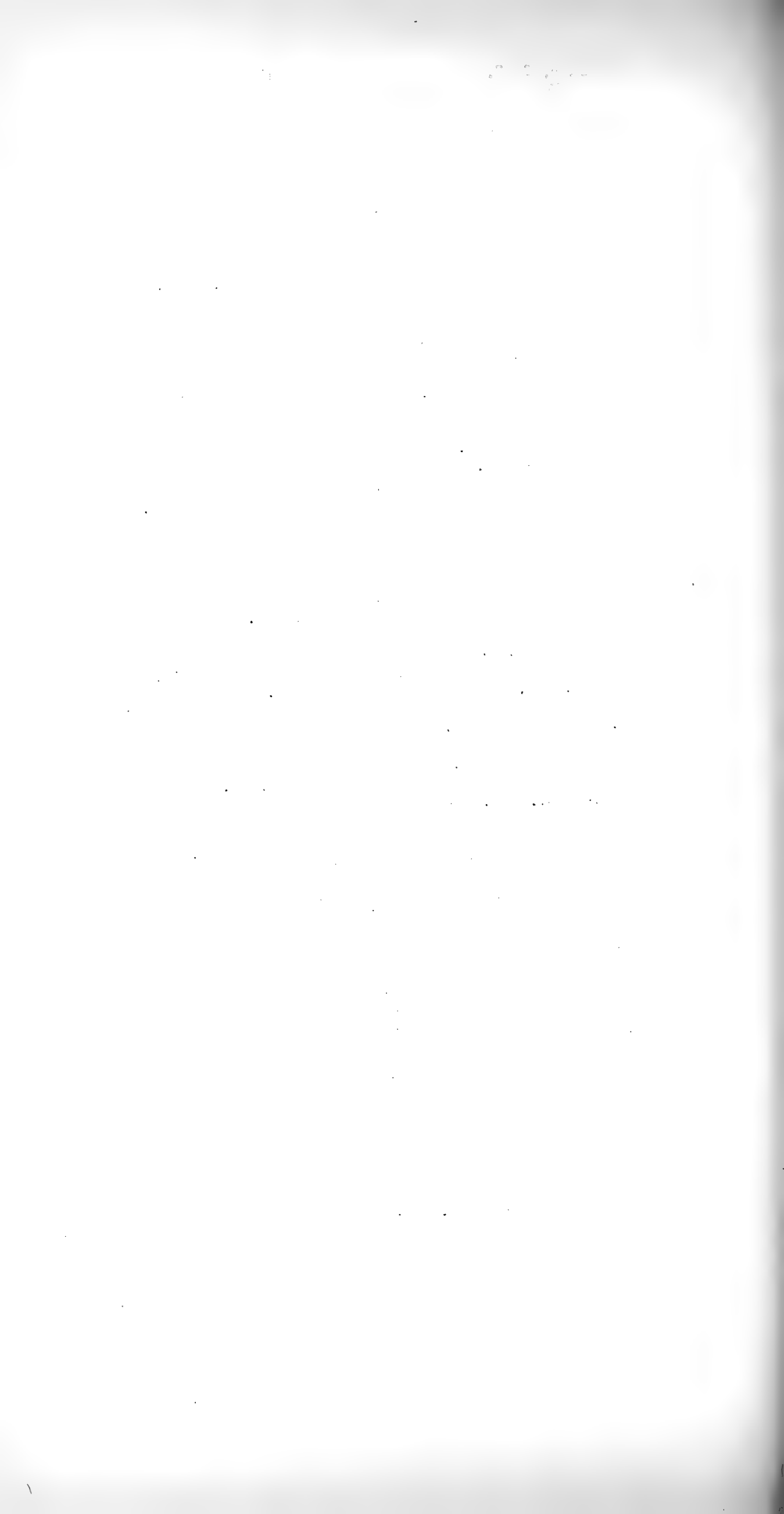
Rec. Bot. Surv. India

Calder, C. C.

A new Indian Veronica Rec. Bot. Surv. India
6: 343-345. pl. x Ja.1918. No.8.

V. fyzoni

- Rec. Bot. Surv. India
Calder, C. C.
The species of Oxalis now wild in India
Rec. Bot. Surv. India 6: 326-341. ix pl.
Ja.1919. No.8.
- Sedgwick, L.J.
A new Indian Habenaria Rec. Bot. Surv.India
6: 352 Ja.1919 No.8.
H. mult-caudata
- Sedgwick, L. J.
A new Indian Impatiens Rec. Bot. Surv.
India 6: 351 Ja.1919. No.8.
I. kleiniformis
- Sedgwick, L. J.
On *Trichodesma indicum* R. Br. and *T. amplexi-*
caule auctt. Rec. Bot. Surv. India 6: 347-350.
pl. xi Ja.1919. No.8.
- Rep. Agr. Research Inst. Pusa
Butler, E. J.
Report of the imperial mycologist 1918/19
Rep. Agr. Research Inst. Pusa 1918/19 p.68-85.
1919.
- Rev. Agr. Puerto Rico
Legrand, J. F.
Plantas utiles de Puerto Rico Rev. Agr. Puerto
Rico 4: 20-26 illus. Ja.1920. No.1.
- Stevenson, J. A.
Enfermedades del citro en Puerto Rico (cont.)
Rev. Agr. Puerto Rico 4: 31-38 Ja.1920. No.1.
- Schweiz. Zeitschr. Forstw.
Hess, G.
Die mistel auf dem schwarzen walnussbaum (*Jug-*
lands regia) Schweiz. Zeitschr. Forstw. 71:
1-2 pl. Ja.1920.
- Science
A journal of ecology Science 51: 161 F.13,1920.
Plant world given by its owners of the Ecological
society of America to be continued as its official
organ, under the title of Ecology.
- Sci. Amer. Month.
Bergner,
Singular phenomena in the kingdom of plants -
Curious vegetable deformities. Sci. Amer. Month.
1: 121-123. illus. F.1920. no.2.
- Smithson. Misc. Coll.
Candolle, C. de
New species of Piper from Panama Smithson.
Misc. Coll. v.71, no.6. 17 p. F.12,1920.
- Virginia Agr. Exp. Sta. Bull.
Fromme, F. D. and Ralston, G. S.
Dusting experiments in peach and apple orchards.
Virginia Agr. Exp. Sta. Bull. 223: 1-15. illus.
N.1919.
- West Wash. Agr. Exp. Stat. Month. Bull.
Frank, A.
Disease and insect troubles of raspberries and
their control West Wash. Agr. Exp. Stat. Month.
Bull. 7: 188-192 illus. F.1920.



Recent Books.

- 71 G67 Gcris, A. & Demilly, J.
La culture de plantes m dicinales. 1919.
- The Journal of pomology. v.1, no. [Nov.?,1919]
- Quarterly.
Ed. by Edward A. Bunyard
Pub. by George Bunyard & Co., ltd., Royal nurseries,
Maidstone.
- Contents: Stutton, I.A. Report on tests of self-sterility in plums, cherries, and apples at the John Innes horticultural institution (reprint).- Bunyard, E.A. The length of stem in pears and apples.- Bioletti, F.T. The seedless raisin grapes (reprint).- Durham, H.E. The recognition of fruit-graphic characters.- Bunyard, E.A. Henry van Oosten and the "Dutch gardener".- Notes, reviews, descriptions of fruits, etc.
- 456.1 R27E pt.2 Reiche, Carlos
Elementos de botanica.... 2. parte. Systematica.
1915.
- 459.1 W23 Warming, Eugene
Dansk plantevækst II Klitterne 2 pts.
1907-09



Amer. For.

Dickie, F.

Discovery of sugar on Douglas fir. Amer. For.
26: 84-86 illus. F.1920. No.3/4.

Amer. Journ. Bot.

Ramaley, F.

Subalpine lake-shore vegetation in north-central
Colorado Amer. Journ. Bot. 7: 57-74 illus. (incl.
maps) F.1920. No.2.

Literature cited: p. 73-74

Weimer, J. L.

Some observations on the spore discharge of *Pleurage
curvicolla* (Wint.) Kuntze. Amer. Journ. Bot. 7: 75-77.
F.1920. No.2.

Amer. Journ. Sci.

Holm, T.

Studies in the Cyperaceae XXVIII Notes on *Carex
franklinii* Boott and *C. spectabilis* Dew. Amer. Journ.
Sci. IV, 49: 195-206 illus. Mar.1920. No.291.

Ann. Rep. Quebec Soc. Prot. Plants

DuPorte, E. M.

Insect carriers of plant diseases. Ann. Rep. Quebec
Soc. Prot. Plants 11(1918/19): 59-65 1919.

Rankin, W. H.

Efficiency factors in potato spraying Ann. Rep.
Quebec Soc. Prot. Plants 11(1918/19): 49-55. 1919.

Publications referred to: p. 55.

Atti R. Accad. Lincei V. Rend. Cl. Sci. Fis., Mat. e Nat.

Peglion, V.

Intorno al comportamento di alcune varietà di
frumento rispetto alla carie. Atti R. Accad. Lincei
V. Rend. Cl. Sci. Fis., Mat. e Nat. 28(2): 398-400. 1919.

Bull. Géogr. Bot.

Delaunay, P.

Un botaniste Manceau. Hector Lévaille (1863-1918)

Bull. Géogr. Bot. 27: 57-96 Jy./D.1919. No.352-7.

Publications de Mgr Lévaille: p. 83-96

Bull. Soc. Bot. Ital.

Dhicvenda, E.

Di tre graminacee usate nell'alimentazione al Sennaar
Bull. Soc. Bot. Ital. 1919 p.27-30. No.2/6.

Cureb (*Dactyloctenium aegyptius* var. *mucronatum*); *Ancum*
(*Andropogon fazoglensis*); *Difra* (*Panicum brevibradiatum*).

Mattirolo, O.

Pasquale Baccarini Bull. Soc. Bot. Ital. 1919
p. 48-49. No.2/6.

Mattirolo, O.

Saverio Belli Bull. Soc. Bot. Ital. 1919 p.21-22
date of birth given by mistake as 1892.

Bull. Sc. Calif. Acad. Sci.

Davidson, A.

[Botanical notes] Bull. Sc. Calif. Acad. Sci. 19:
10-11. illus. Ja.1920. no.1.

Linanthus saxiphilus, *Draba saxosa*, *Hutchinsia californica*
all new spec. The nodose hairs on lupines.

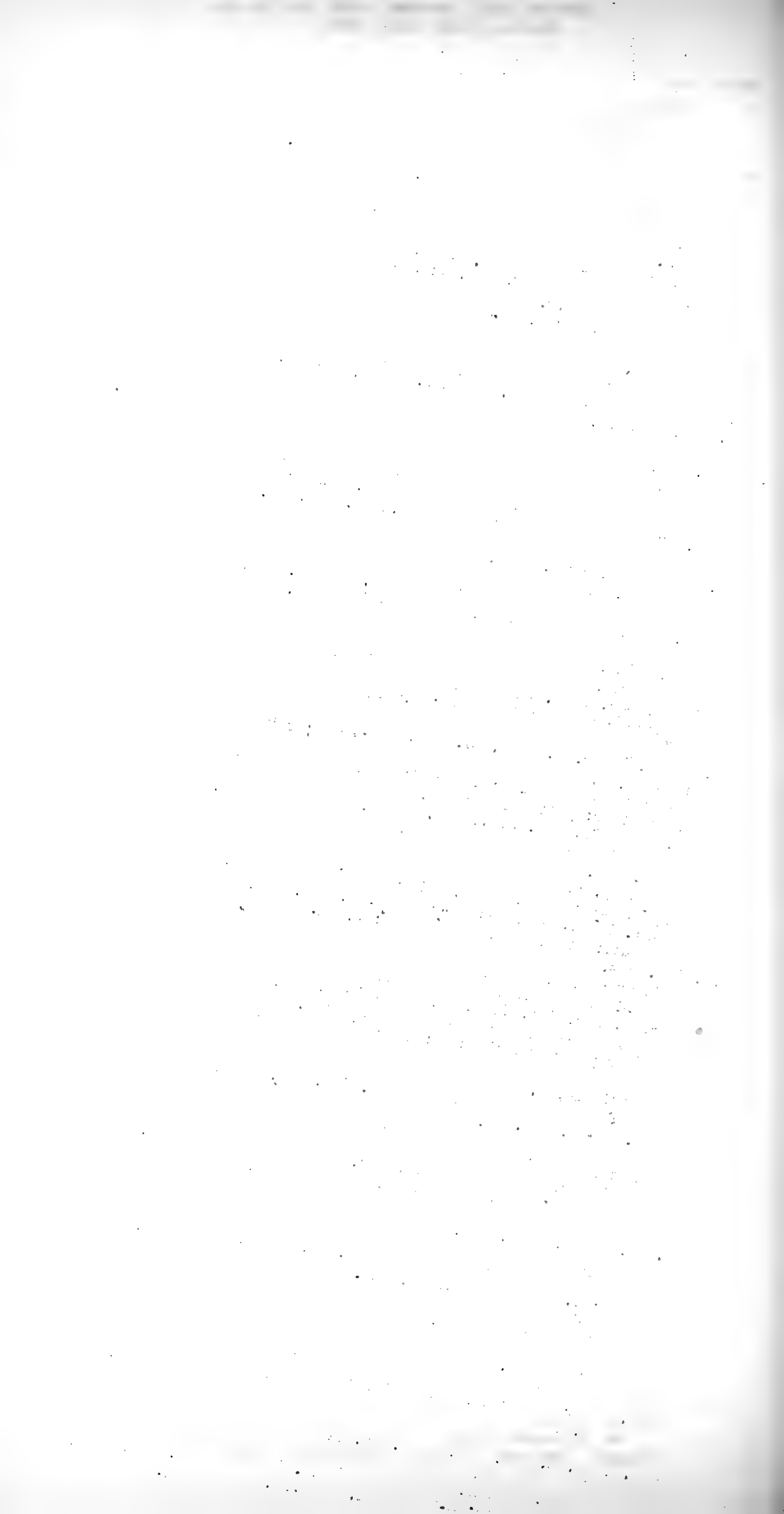
Parish, S.B.

A supplementary bibliography of the southern California
flora Bull. Sc. Calif. Acad. Sci. 19: 24-29 Ja.1920,
No.1.

Boll. Tech. R. Ist. Sci. Sper. Tabacco

Splendore, A.

N. chinensis Fisch. Boll. Tech. R. Ist. Sci. Sper.
Tabacco 16: 5-7 3 pl. Jy./S.1919. No.1.



Compt. Rend. Acad. Sci. Paris
Arnaud, G.

La famille des parodiellinacées (Pyrenomycètes)
Compt. Rend. Acad. Sci. Paris 170: 202-204 1920. No.3.

Guilliermond, A.

Sur l'évolution du chondriome dans la cellule végétale.
Compt. Rend. Acad. Sci. Paris 170: 194-197. illus. 1920.No.3.

Mangenot, G.

Sur l'évolution du chondriome et des plastes chez
les fucacées Compt. Rend. Acad. Sci. Paris 170:
200-201 illus. 1920.

Maquenne, L.

Sur la distribution et la migration du cuivre dans
les tissus des plantes vertes. Compt. Rend. Acad. Sci.
Paris 170: 87-93 1920.
E. Demoussy

Compt. Rend. Soc. Biol. Paris

Molliard, M.

Influence de la réaction du milieu sur la respiration
du Sterigmatocystis nigra Compt. Rend. Soc. Biol.Paris
83: 50-51. 1920.

Compt. Rend. Acad. Sci. Paris.

Surgis, E.

Contribution à l'étude des Frankéniacées Compt.
Rend. Acad. Sci. Paris 170: 246-249 1920. No.4.

Florida Agr. Exp. Stat. Bull.

Collison, S. E.

Prussic acid in sorghum Florida Agr. Exp. Stat.
Bull. 155: 51-54 D.1919.

Garden

Bliss, A.J.

Iris classification Garden 84: 65-66 F.7,
1920. No.2516

S., R.S.

Iris classification. Garden 84: 53 Ja.31,1920.
No.2515.

Garden Mag.

Robinson, W.

Apropos the cedar of Lebanon Gard. Mag. 31: 31
Mr.1920. No.1.

Wilson, E. H.

The Kurume azaleas of Japan Gard. Mag. 31: 38-
39. Mr.1920. No.1.

Gard. Chron. III.

Farrer, R.

Mr. Reginald Farrer's second exploration in Asia
14. Up to camp Gard. Chron. III, 67: 66. F.7,1920.
No.1728.

Gough, G. C.

Plant hygiene (concl.) Gard. Chron. III, 67: 54
Ja.31,1920.

Hutchinson, J.

Caulophyllum thalictroides a "gymnospermous" dico-
tyledon Gard. Chron. III, 67: 63 illus. F.7,1920.
No.1728.

Roberts, W.

American plants in England Gard. Chron. III, 67:
52 Ja.31,1920. No.1727.

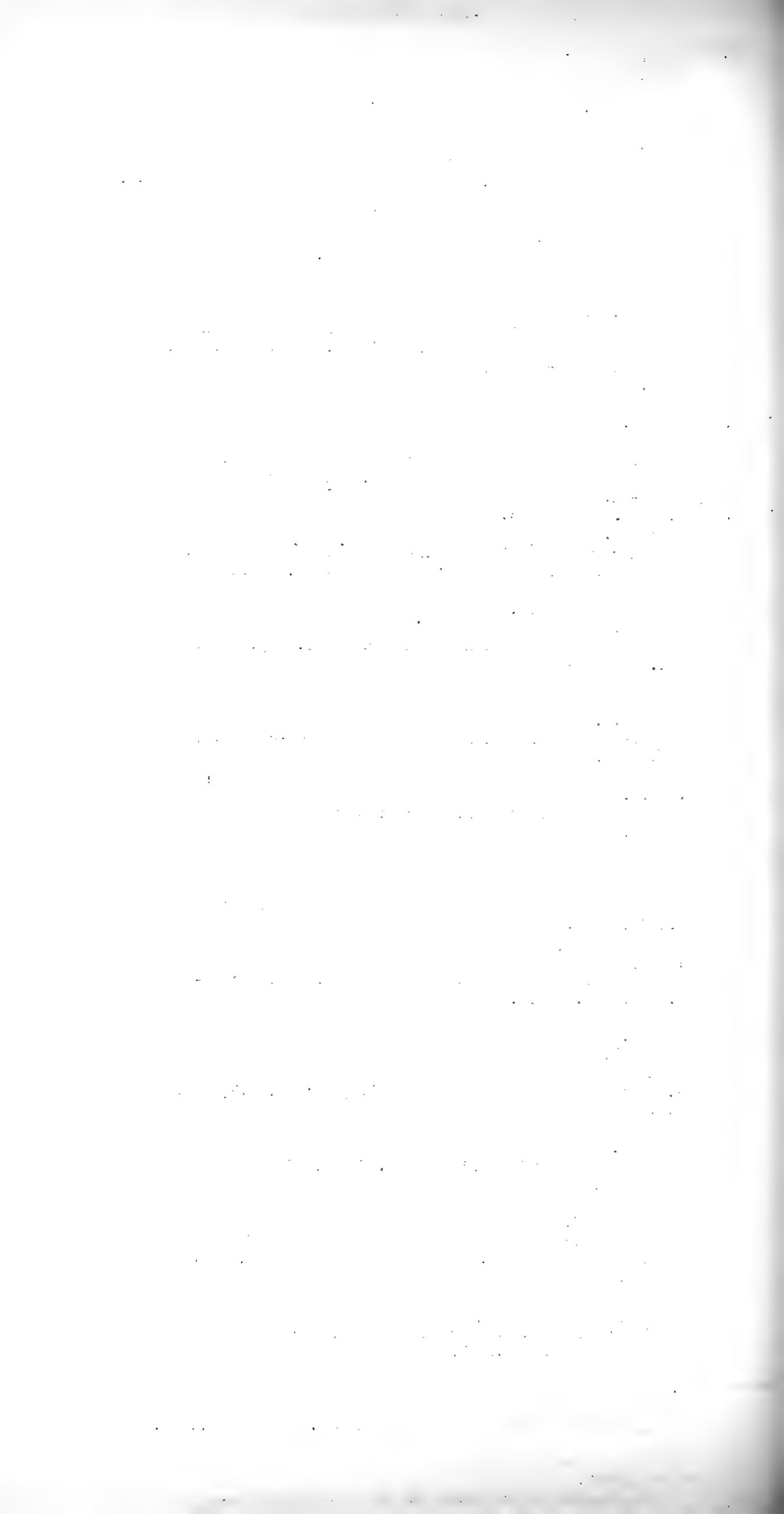
Garden Mag.

Walker, M.

Lebanon cedar in Ilahc Gard. Mag. 31: 31 Mr.1920.

Wilson, E.H.

The romance of the trees VI. The magnolias Gard.
Mag. 31: 48-53. illus. Mr.1920. no.1.



Indian For.

Howard, A.

The "spike disease" of peach trees: an example of unbalanced sap-circulation. Indian For. 45: 611-617 pl. 31 D.1919 No.12.

Jackson, A. B.

A possible cause of spike in sandal Indian For. 45: 635 D.1919.

Possibly produced by excessive parasitism of sandal on sandal

Journ. Agr. Prat.

Mottet, S.

Une grave maladie de la pomme de terre, le galle noire (*Synchytrium endobioticum*) Journ. Agr. Prat. 83: 749-751, 767-768 illus. O.16-23,1919. No.37-38.

Mottet, S.

Régénérescence de la pomme de terre par les semis Journ. Agr. Prat. 83: 815-816, 835-836 N.6-13,1919. No.40-41.

Journ. Agr. Res.

Anthony, S. & Harlan, H. V.

Germination of barley pollen. Journ. Agr. Res. v.18, no.10, p.525-536, pl.60-61. F.16,1920.

Literature cited: p. 535-536.

Edson, H.A. & Shapovalov, M.

Temperature relations of certain potato-rot and wilt-producing fungi Journ. Agr. Res. v.18, no.10. p.511-524. F.16,1920.

Garner, W.W. & Allard, H.A.

Effect of the relative of day and night and other factors of the environment on growth and reproduction in plants Journ. Agr. Res. v.18, no.11, p.553-606 pl.64-79. Mr.1,1920.

Literature cited: p. 605-606.

McCulloch, L.

Basal glumeret of wheat Journ. Agr. Res. v.18, no.10, p.543-552. pl. 62-63 F.16,1920.

Bacterium atrofaciens n.sp.

Journ. Amer. Soc. Agron.

Hayes, H. K. and R. J. Garber

Synthetic production of high-protein corn in relation to breeding Journ. Amer. Soc. Agron. 11: 309-318 pl.10 N.1919. No.8.

Literature cited: p. 317-318.

Journ. Bacteriol.

Breed, R. S. and H. U. Conn.

The nomenclature of the Actinomycetaceae Journ. Bacteriol. 4: 585-602 N.1919. No.6.

References: p. 599-602

Journ. Bot.

Boulenger, G. A.

Some roses from Dorsetshire Journ. Bot. 53: 16-21 Ja.1920. No.685.

R. ptychopylla n.sp.

Hadden, N. G.

The Uredineae of West Somerset Journ. Bot. 58: 37-39 F.1920 No.686.

Lacaita, C. C.

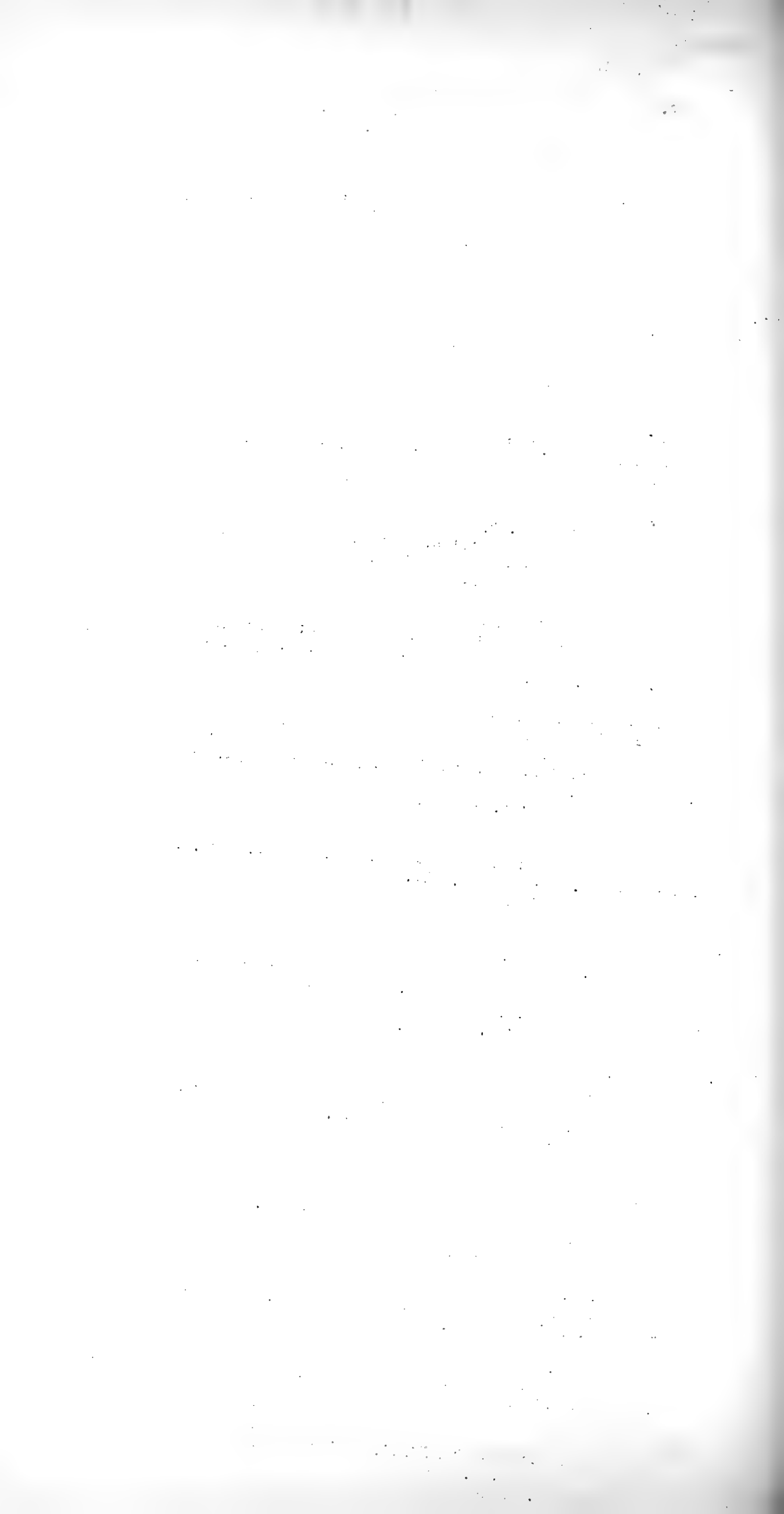
The home of *Inula helenium* Journ. Bot. 58: 21-22 Ja.1920. No.685.

Moore, S. LeM.

Alabastra diversa Pt. XXXII. 1. *Plantae congoenses novae vel rarioris*. 2. *Vaupelia A. Brani*. Journ. Bot. 58: 44-49 F.1920. No.686.

Compositae. Acanthaceae

V. hispidissima sp. nov.



Journ. Bot.

Rand, R.F.

Wayfaring notes from Great Namaqualand (cont.)

Journ. Bot. 58: 53-55 F.1920

Notes on xerophytes

Renlie, A.B.

Poa omsiensis comb. nov. Journ. Bot. 58: 25

Ja.1920. no.685

Described as *P. gracillima* in Journ. Linn. Soc.

Bot. v.36, p.424. 1904, a name already used by Vasey.

Smith, E. P.

Pollinosis ("hay fever") Journ. Bot. 58: 40-44

F.1920. No.686. (General literature: p. 44)

Journ. Hered.

Collins, G. N.

Heritable characters of maize I Journ. Hered.

11:3-6 illus. Ja.1920. No.1. (I.Linsate leaves)

Galloway, B. T.

Some promising new pear stocks Journ. Hered. 11:

25-32 illus. Ja.1920. No.1.

Jones, D. F. and Filley, W.O.

Teas' hybrid catalpa... Journ. Hered. 11: 10-24

illus. Ja.1920.

Spragg, F.A.

The spread of rosen rye Journ. Hered. 11: 42-44

Ja.1920. no.1.

K. Landtbr.-Akad.Handl. o. Tidskr.

Bygdén, A.

Bestämningar av aciditet och sockerhalt i vatten-
extrakt av vetesorter med olika resistens mot gulrost.

K. Landtbr.-Akad. Handl. o. Tidskr. 58: 419-423 1919.
No.7/8.

Reprinted with Henning, E. Anteckningar om gul-
rosten...as Meddel.n:r 192 Centralanst. Försöksv.
Jordbr. Bot. Aveln. n:r 16

Henning, E.

Anteckningar om gulrosten (*Puccinia glumarum*) K.

K. Landtbr.- Akad. Handl. o. Tidskr. 58: 401-418 pl.1919
No.7/8.

Reprinted with Bygdén, A. Bestämningar av aciditet
och sockerhalt i vattenextrakt av vetesorter med olika
resistens mot gulrost. as Meddel. n:r 192 Centralanst.
Försöksv. Jordbr. Bot. Aveln. n:r 16

Henning, E.

Om betning mot stinkbrand (*Tilletia tritici*), strå-
brand (*Urocystis occulta*) och hårdbrand (*Ustilago hordei*)

I. Kort historik och orienterande försök. K. Landtbr.-
Akad. Handl. o. Tidskr. 58: 431-449 illus. 1919. No.7/8.

Reprinted as Meddel. n:r 195 Centralanst.Försöksv.
Jordbr. Bot. Aveln. n:r 18

Lindfors, T.

En ny gurksjukdom försäskad av *Venturia cucumerina*
n.sp. K. Landtbr.-Akad. Handl. o. Tidskr. 58: 424-430

illus. 1919. No.7/8.

Reprinted as Meddel. n:r 193 Centralanst. Försöksv.
Jordbr. Bot. Aveln. n:r 17

Mitt. Deut. Dendrol. Ges.

Loesener, T.

Ueber die Aquifoliaceen besonders über *Ilex* Mitt.

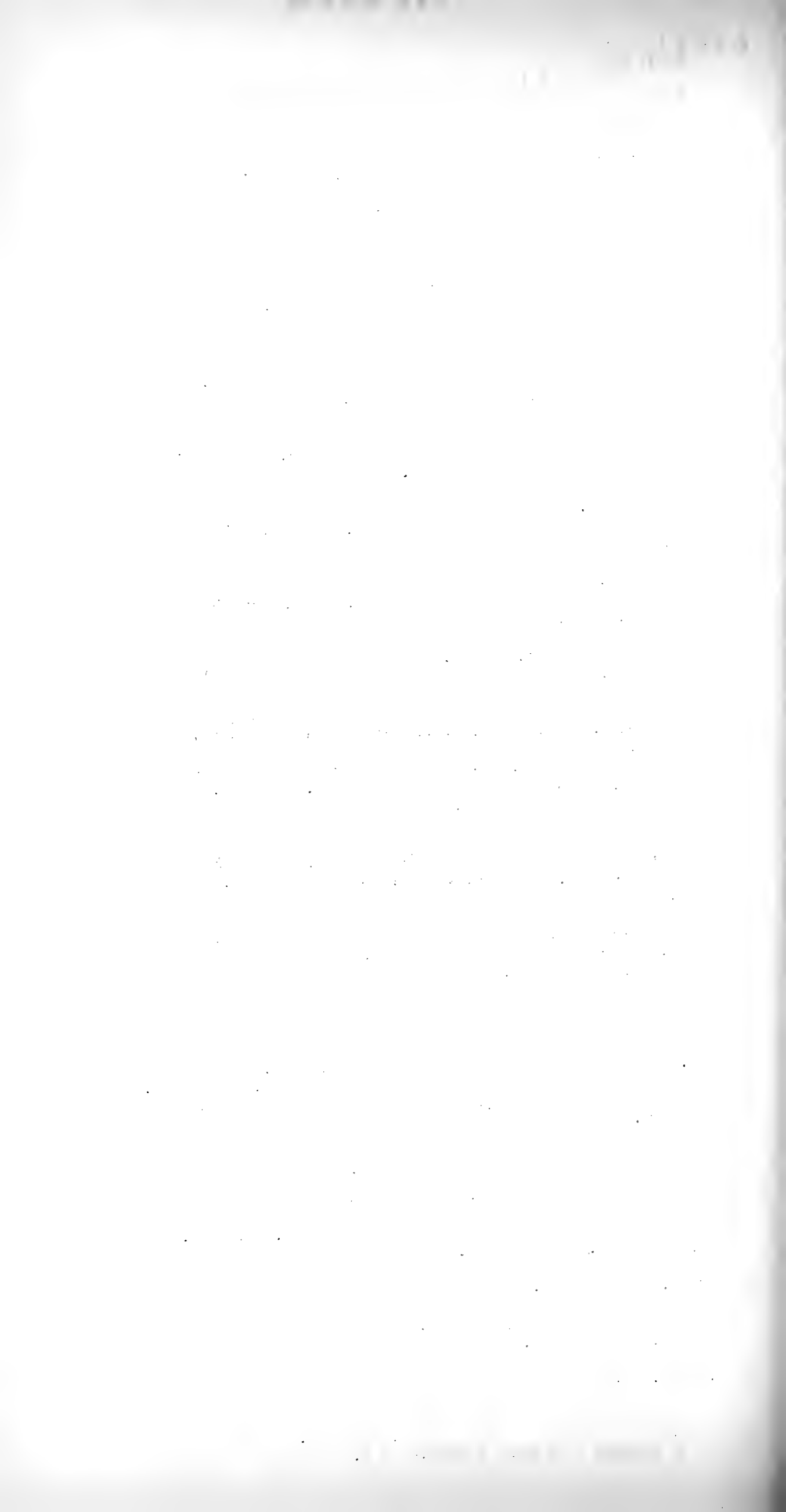
Deut. Dendrol. Ges. 28: 1-66 pl.i-4 1919.

Month. Bull. Ohio Agr. Exp. Stat.

Detmers, F.

Broken stem disease of rye, a fungus disease due to
a *Mycosphaerella* Month. Bull. Ohio Agr. Exp. Stat.

4: 262-263 illus. Ag.1919. No.8.



Month. Bull. Ohio Agr. Exp. Stat.

Thomas, R. C.

A new lettuce disease Month. Bull. Ohio Agr. Exp. Stat. 524-525 illus. Ja.1920. No.1.

Bacterium sp.

"Preliminary investigations indicate that the disease is identical with the one recently reported from South Carolina and Virginia by the U.S. Department of Agriculture".

Nature

Botany at the British association. Nature 104: 520-521. Ja.5,1920. No.2620.

Morris, Sir Daniel

Opening address (Abridged), Section K, Botany [of the British association for the advancement of science] at Bournemouth. Nature 104: 381-385 D.11,1919. No.2615.

New Phytol.

Kidd, F.

Laboratory experiments on the sprouting of potatoes in various gas mixtures. (nitrogen, oxygen and carbon dioxide) New Phytol. 18: 248-252 O.[Dec.] 1919.no.8.

Nuovo Giorn. Bot. Ital.

Chiovenda, E.

Le piante raccolte dai prof. G. Dainelli e O. Marinelli in Eritrea nel 1905-06 Nuovo Giorn. Bot. Ital. 26: 147-168 Ap.1919. No.2.

Chiovenda, E.

Le piante raccolte dal Dr. Nello Beccari in Eritrea nel 1905 Nuovo Giorn. Bot. Ital. n.s., 26: 89-114 Ap.1919. No.2.

Philipp. Journ. Sci.

Koorders, S. H.

Notiz über *Hoya imbricata* Callery ex Decaisne und *Hoya pseudomaxima* Kds. in den Filipinen auf grund von einigen herbar-exemplaren des Bureau of Science in Manila Philipp. Journ. Sci. 15: 263-265 ,267 pl.i-iv S.1919[1920] No.3.

Merrill, E.D.

Additional notes on the Kwangtung flora Philipp. Journ. Sci. 15: 225-261 S.1919[1920] No.3.

Rev. Gén. Bot.

Guilliermond, A.

Observations sur le chondriome des végétaux... et le mode de formation des pigments xanthophylliens & carotiniens... (fin) Rev. Gén. Bot. 31: 635-759 illus. pl. 21-45, foll. tab. D.1919. No.372.

Index bibliographique: p. 725-741.

Sprechèr, A.

Etude sur la semence et la germination du *Garcinia mangostana* L. (fin.) Rev. Gén. Bot. 31: 609-634 illus. D.1919. No.372.

Science

Arthur, J.C.

Two destructive rusts ready to invade the United States Science 51: 246-247 Mr.5,1920. No.1314.

Uredo arachidis, *Puccinia pittieriana*

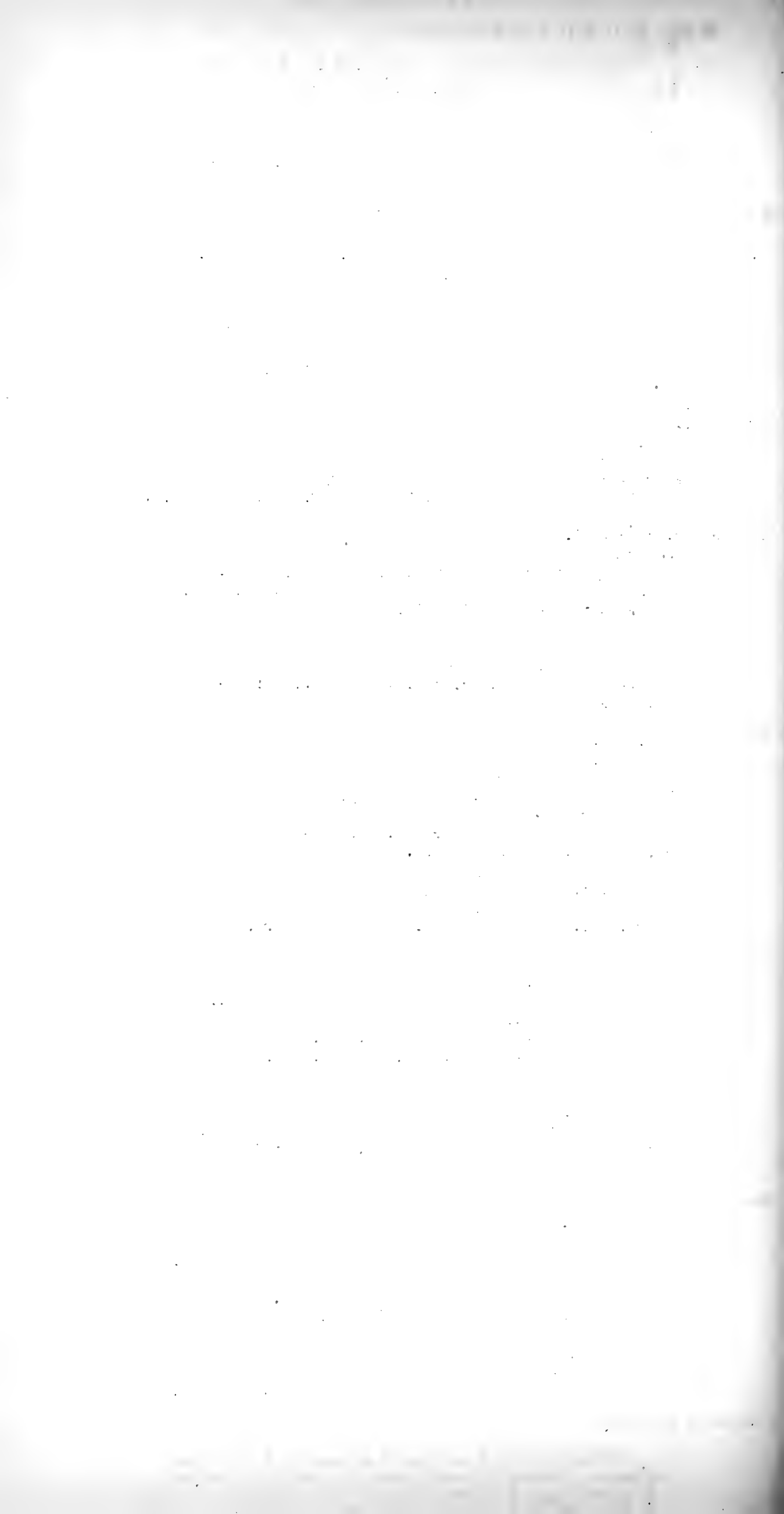
Presented to the Amer. Phytopath. Soc. St. Louis, Ja.1,1920. Abstr.Phytopath. 10: 65-66.

Johnson, D. S.

The *Cinchona* tropical botanical station again available. Science 51: 235-236 Mr.5,1920. No.1314.

Scott. Journ. Agr.

Certification of stocks of varieties of the potato which are immune from wart disease. Scott. Journ.Agr. 3: 52-66 pl. Ja.1920. No.1.



Sc. Afr. Fruit Grow.

Doidge, E. M.

Diseases of stone fruit trees. 3. Brown rot of fruit mould, *Sclerotinia fructigena* (Pers.) Schroet. Sc.Afr.Fruit Grow. 6: 305 N.1919. No.11.

King, A. M.

Notes on the genus *Balansia* Sc.Afr.Journ.Sci. 15: 670-673 illus., pl.25 Jy.1919. (Probably new species)

Kolbe, F. C.

Some experiments used in the rudimentary teaching of botany Sc.Afr. Journ. Sci. 15: 575-579 Jy.1919.No.8.

Putterill, V. A.

Notes on the morphology and life history of *Uromyces alces* Cooke Sc.Afr.Journ. Sci. 15: 656-662 illus., pl.22-23 Jy.1919. No.8.) (Literature: p. 661)

Texas Agr. Exp. Stat. Bull.

Taubenhaus, J.J.

Field diseases of the sweet potato in Texas. Texas Agr. Exp. Stat. Bull. 249 22 p. illus. S.1919.

Texas agricultural experiment station

Storage and diseases of the sweet potato in Texas. Texas Agr. Exp. Stat. Bull. 250 41 p. illus. O.1919

Diseases of sweet potatoes in storage, p.13-16.

Trans. Bot. Soc. Edinb.

Bennett, A.

Notes on Dr. Hagström's "Critical researches on Potamogeton, 1916" Trans. Bot. Soc. Edinb. 27: 315-326. 1919. No.4.

Smith, W. W.

Whytockia, a new genus of Gesneraceae. Trans. Bot. Soc. Edinb. 27: 338-339 pl.vii 1919. No.4.

W. chiritaeflora, also var. minor

Amer. Journ. Bot.

Rosenbaum, J. and Sande, C.E.

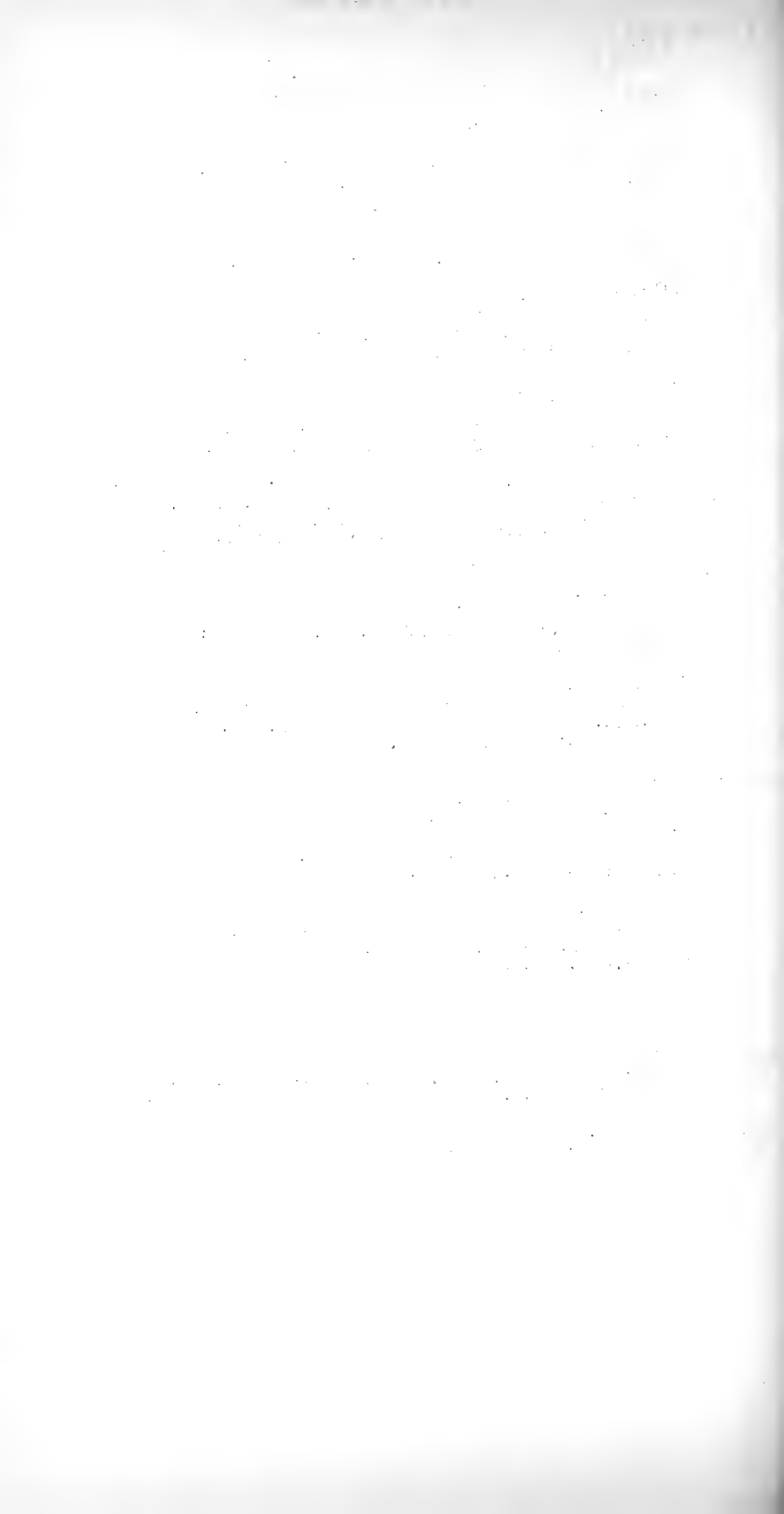
Correlation between size of the fruit and the resistance to the tomato skin to puncture and its relation to infection with *Macrosperium* tomato Cooke. Amer. Journ. Bot. 7: 78-82 F.1920. no.2.

Rumbell, C.

Effect on chestnuts of substances injected into their trunks. Amer. Journ. Bot. 7: 45-56 pl.iii-iv. F.1920. No.2.

RECENT BOOKS

- 454 New York botanical garden
N48 North American flora v.24, pt.2, p.65-136. Ja.1920.
Pteridaceae (cont.) by P. A. Rydberg
- 452.6 Sirks, M.J.
S17 L'herbier flamand de Rembert Dedeens Reprinted
from James v.22, 1917.



Agr. Colon.

Maugini, A.

Appunti sulla vegetazione della Cirenaica e sulla
sua utilizzazione agraria. II Agr. Colon. 14:
14-37 pl. Ja. 1920.

Agr. Journ. India

Ghose, M.

A neglected source of sugar in Bihar. Agr. Journ.
India 15: 32-39 illus., pl. iii Ja. 1920. No. 1.
Palmyra palm

Mackenna, J.

Dr. C. A. Barber, C.I.E. Sc.D. (Cantab.) F.L.S.
Agr. Journ. India 15: 11-15 port. Ja. 1920.

Agr. News

Freeman, W. G.

The centenary of the Royal botanic garden, Trini-
dad Agr. News 19: 36-37 F. 7, 1920. No. 464.
Extracts from his article in Trinidad Guardian

Hybrid Bougainvillaeas Agr. News 19: 41
F. 7, 1920. No. 464.

Seed obtained from Dr. G.V. Perez of Teneriffe.

Amer. Bot.

Bradshaw, R.V.

Color variations of flowers Amer. Bot. 26:
23-24 F. 1920 No. 1.

Bradshaw, R. V.

Rare plants of Oregon Amer. Bot. 26: 18-19
F. 1920. No. 1.

Erodium moschatum, *Linaria elatine*, *Centaurea*
nigra, *Cynosurus echinatus*, all introduced plants.

Clute, W. N.

Plant names and their meanings II Ranunculaceae
Amer. Bot. 26: 2-10 F. 1920. No. 1.

Clute, W. N.

An unknown homysuckle Amer. Bot. 26: 17-18
illus. F. 1920. No. 1.
Raised from seed sent by Off. Seed and Plant Introd.
U.S. Dept. Agr.

Cushman, L. B.

Aegopodium podagraria variegata Amer. Bot. 26:
13-14 F. 1920. No. 1.

Erz, A. A.

The true nature of plant diseases Amer. Bot.
26: 20-23 F. 1920. No. 1.

Krebs, C.

A rare Ohio plant immigrant. Amer. Bot. 26:
1-2 pl. F. 1920. No. 1. (*Berberis aquifolia*)

Nelson, J. C.

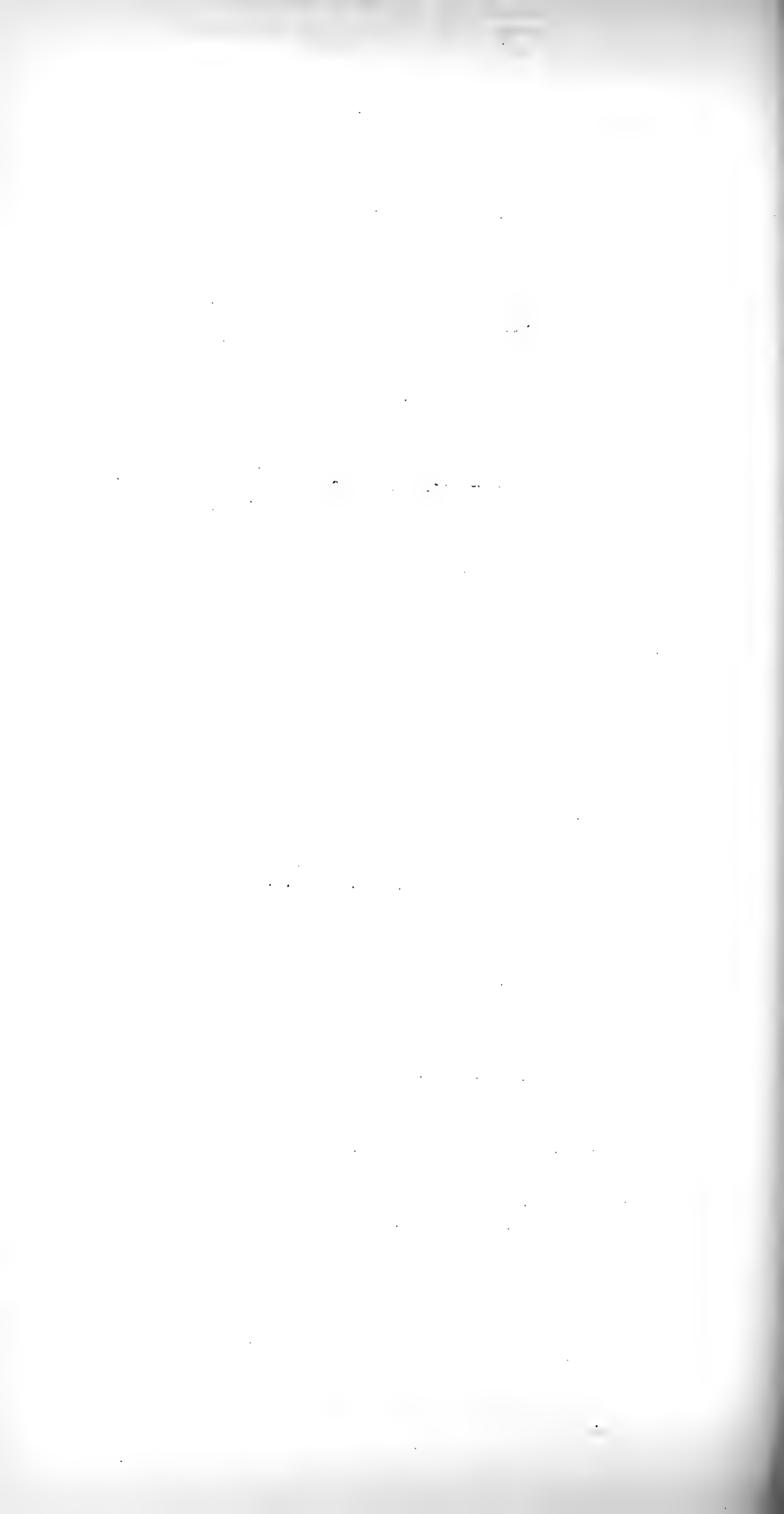
A noteworthy grass Amer. Bot. 26: 10-12 illus.
F. 1920. No. 1. (*Coleanthus subtilis*)

Soth, Mrs. B. H.

Wildflower distribution in the west. Amer. Bot.
26: 14-16 F. 1920. No. 1.

VanOven, F. W.

Perpetuating our native flora Amer. Bot. 26:
24-27 F. 1920. No. 1.



Ann. Missouri Bot. Gard.

Burt, E. A.

The Thelephoraceae of North American XI Tulasnella, Veluticeps, Mycobonia, Epithele, and Lachnocladium. Ann. Missouri Bot. Gard. 6: 253-280 illus., pl. 5 N.1919 [1920] no.4.

Matsumoto, T.

Culture experiments with Melampsora in Japan Ann. Missouri Bot. Gard. 6: 309-316. illus. N.1919 [1920] No.4. Bibliography: p. 316

Moore, G. T.

A subterranean algal flora Ann. Missouri Bot. Gard. 6: 281-307 N.1919 [1920] No.4. J. L. Karrer joint author

Ann. R. Ist. Sup. For. Nat. Firenze

Petri, L.

Sopra una presunta malattia parassitaria del pioppo Ann. R. Ist. Sup. For. Nat. Firenze 4: 95-104. illus. 1919 Bibliographical foot notes

Ann. Rep. Ala. Agr. Exp. Sta.

Peltier, G. L.

Report of plant pathologist 1919 Ann. Rep. Alabama Agr. Exp. Stat. 32 (1919): 22-23 1920.

Ann. Rep. Penn. Agr. Exp. Sta.

Kern, F. D.

[Report of the] dept. of botany 1915/16 Ann. Rep. Penn. Agr. Exp. Stat. 1915/16 p.33-35 1918.

Orton, C. R.

Notes on some tomato diseases. Ann. Rep. Penn. Agr. Exp. Stat. 1915/16 p.285-291 plates 1918 W. H. McKinney, jr. joint author

Bot. Tidsskr.

Boysen-Jensen, P.

Studies on transpiration in high-moor plants Bot. Tidsskr. 36: 144-154. 1917. No.2. Literature: p. 154.

Bull. Insular Exp. Stat. Porto Rico

Earle, F. S.

Eradication as a means of control in sugar cane mosaic or yellow stripe. The year's experience with this method Bull. Insular Exp. Stat. Porto Rico 22. 17 p. 1919.

Bull. Misc. Inform. Kew

Corb ishley, A. G.

Nectaropetalum zuluense Bull. Misc. Inform. Kew 1919 p. 449-450 illus. No.10.

Diagnose Africanæ LXXIII Bull. Misc. Inform. Kew 1920 p. 25-29 No.1.

The fruiting of the Ginkgo at Kew Bull. Misc. Inform. Kew 1920 p. 47-48 illus. No.1.

Gamble, J. S.

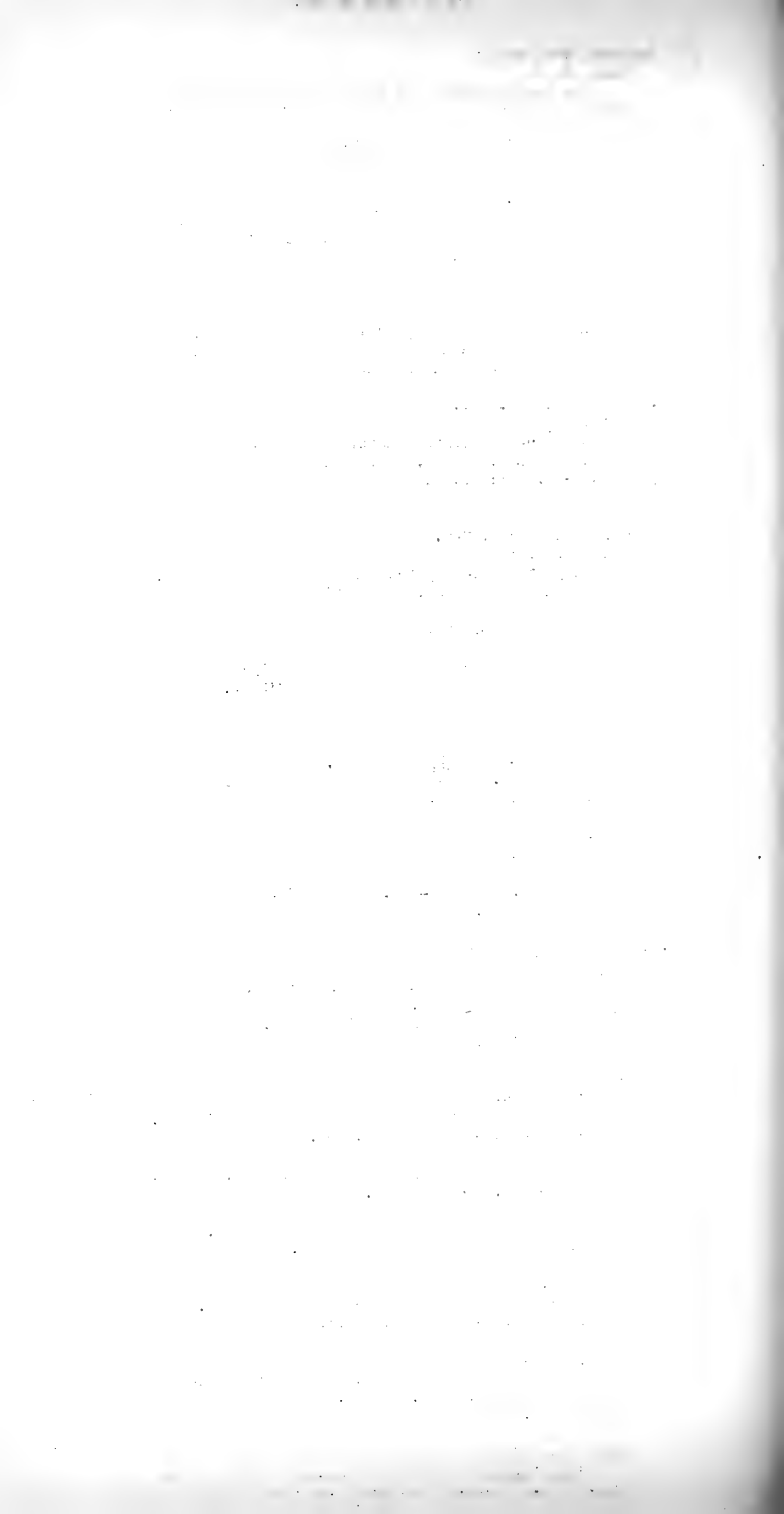
The Indian species of Mimosa Bull. Misc. Inform. Kew 1920 p. 1-6 illus. No.1.

Grove, W. B.

Species placed by Saccardo in the genus Phoma Part II Bull. Misc. Inform. Kew 1919. p.425-445 illus. No.10.

Hutchinson, J.

Clematopsis, a primitive genus of clematideae Bull. Misc. Inform. Kew 1920 p. 12-22 illus. No.1.



Bull. Misc. Inform. Kew

Kew Royal gardens

Decades kewenses plantarum novarum in herbario
horti regii conservatarum Decas XCIV Bull. Misc.
Inform. Kew 1919 p. 403-407

Memordica cochinchinensis Bull. Misc. Inform.
Kew 1920 p.6-12. no.1.

Investigation conducted by E. R. Baines under
supervision of Professor H. G. Greenish to ascertain
whether seeds contain alkaloid similar to Strychnos
nuxvomica. No alkaloid found but fat shows certain
characteristics of drying oils.

Turrill, W. B.

The Rev. H. F. Tozer and plants collected by him
in the nearer East. Bull. Misc. Inform. Kew 1920
p. 29-31. no.1.

Turrill, W. B.

A revision of the genus Mendonica Bull. Misc.
Inform. Kew 1919 p. 407-425 no.10.

Bull. Soc. Path. Vég. France

Arnaud, G.

Rapport sur le fonctionnement de la Société depuis
sa fondation jusqu'à la fin de 1919 Bull. Soc. Path.
Vég. France 6: 154-158 N./D.1919. No.6.

Arnaud, G.

Sur un mode de traitement de la chlorose Bull.
Soc. Path. Vég. France 6: 137-146 illus. N./D.1919
No.6. (Injecting iron sulphate)

Biers, P. M.

La parasitisme probable des coprins Bull. Soc.
Path. Vég. France 6: 159-160 N./D.1919. No.6.

Chassignol, F.

La rouille grillagée du poirier (*Roestelia cancellata*
Rebent) et le *Juniperus sabina* L. Bull. Soc. Path. Vég.
France 6: 153 N./D.1919. No.6.

Foex, E.

Au sujet d'un épi de blé partiellement charbonné.
Bull. Soc. Path. Vég. France 6: 105-106 S./O.1919.No.5.

Foex, E.

Note sur une maladie de l'orge et de l'avoine. Bull.
Soc. Path. Vég. France 6: 118-124 N./D.1919. No.6.
Fusarium sp.

Foex, E.

Note sur une maladie du poirier. Bull. Soc. Path.
Vég. France 6: 102-104 S./O.1918. No.5.
Bibliographie: p. 104
Diplodia Griffoni - *Sphaeropsis pseudo-diplodia*

Foes, E.

Quelques remarques au sujet de la présence de
périthèces de *Phyllactinia corylea* sur des feuilles de
chêne atteintes de "blanc" Bull. Soc. Path. Vég.
France 6: 161-166 N./D.1919. No.6.

Mirande, R.

Sur une maladie de la coque de noix Bull. Soc.
Path. Vég. France 6: 134-136 pl. i N./D.1919. No.6.
Physiological

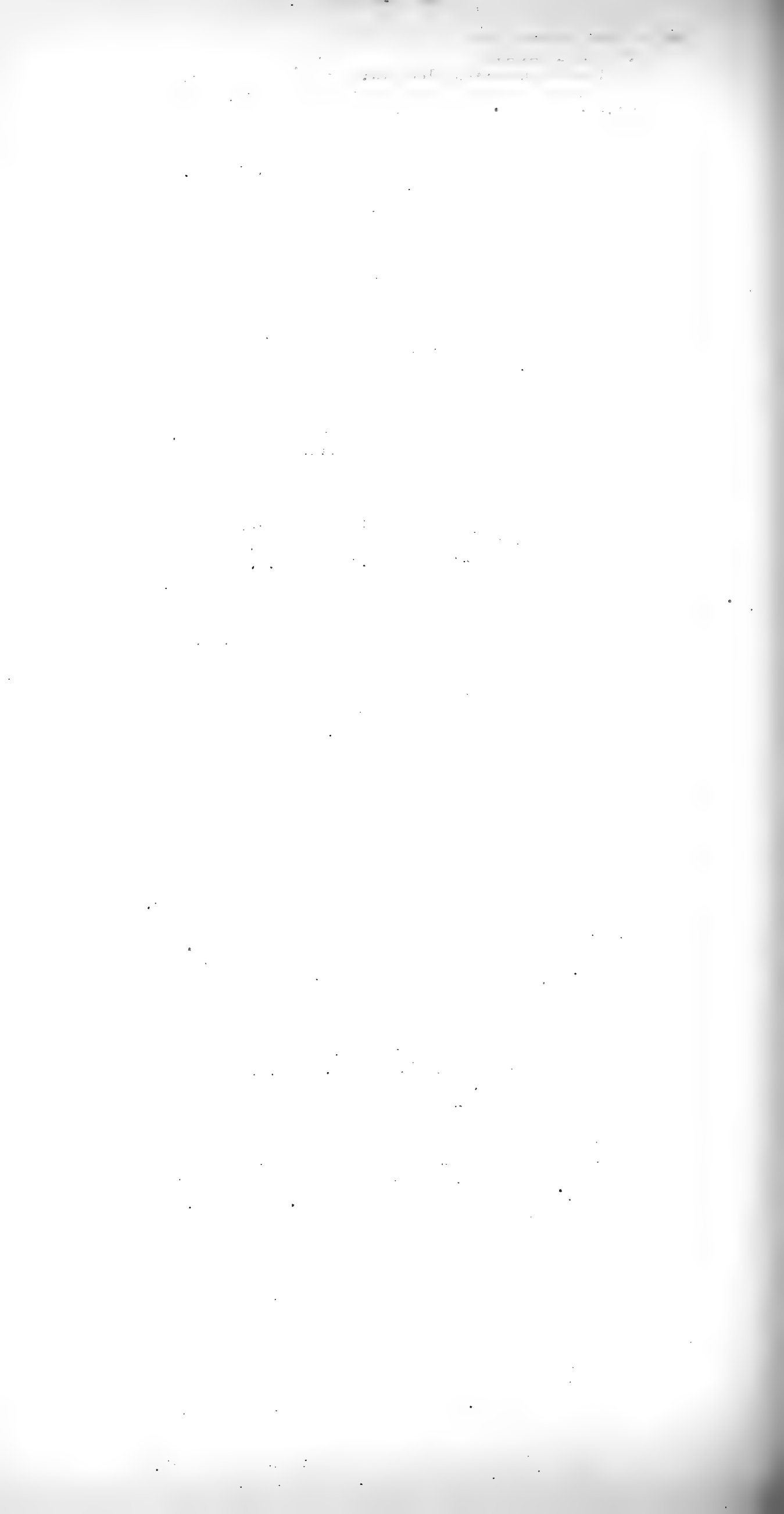
Bull. Torr. Club

Rydberg, P.A.

Notes on Rosaceae XII. Roses of northeastern North
America Bull. Torr. Club 47: 45-66 F.1920. No.2.

Boyer, C. S.

Rare species of North American Diatomaceae Bull.
Torr. Club 47: 67-72 pl.2. F.1920. no.2.



Bull. Torr. Club

Miller, R. B.

The wood of *Macherium whitfordii* Bull. Torr.
Club 47: 73-79 illus. F.1920. no.2.
Contr. Yale School For. no.9.

Centralbl. Bakt.

Lehmann, R.

Caragheen als Nährboden für bakterien und pilze an
stelle von agar Centralbl. Bakt. abt.2, 49: 425-426
O.1919.

Compt. Rend. Acad. Sci. Paris

Bezssonoff, N.

Sur l'obtention expérimentale de la sexualité; chez
les champignons et orientée sur la structure typique du
plasma sexuel. Compt. Rend. Acad. Sci. Paris 170:
288-290 1920. No.5.

Daniel, L.

Réactions antagonistiques et rôle du bourrelet chez
les plantes greffées Compt. Rend. Acad. Sci. 170:
285-287 1920. No.5.

Emberger, L.

Evolution du chondriome chez les cryptogames
vasculaires. Compt. Rend. Acad. Sci. Paris 170:
282-284 illus. 1920. No.5.

Gard, Médéric

Division chez *Euglena limosa* Gard. Compt. Rend.
Acad. Sci. Paris 170: 291-292 1920. No.5.

Garden

Bowles, E. A.

Viburnum fragrans Garden 84: 95 illus.
No.2518 F.21,1920.

Gard. Bull. Straits Settlem.

Chipp, T. F.

The angsana tree. Gard. Bull. Straits Settlem.
2: 197-199 Ja.1920. no.6.

Succumbing of angsana tree (*Pterocarpus indicus* to
disease of which cause is not known)

Chipp, T. F.

The fungus flora of *Hevea brasiliensis* Gard.
Bull. Straits Settlem. 2: 186-192 Ja.1920. No.6.

Deshmukh, G. B.

On the pollen of *Carica papaya* Gard. Bull.
Straits Settlem. 2: 206 Ja.1920. No.6

Flippance, F.

A guide to the palm collection in the Botanic
gardens, Singapore Gard. Bull. Straits Settlem.
2: 177-186 pl. Ja.1920. no.6.

Gard. Chron. III.

Arnott, S.

Asperula Gard. Chron. III, 67: 90 F.21,1920.
no.1730.

Bliss, A. J.

Hybrid bearded irises Gard. Chron. III, 67:
76, 88 illus. F.14,21,1920. Nos.1729, 1730.

Dichorisandra thyrsiflora. Gard. Chron. III.
66: 247. N.15,1919. no.1716.

Signed: "W.T."

Farrer, R.

Mr. Reginald Farrer's second exploration in Asia
15. In camp. Gard. Chron. III. 67: 104 illus. no.1731.
F.28,1920.

class of
... ..

Gard. Chron. III.

Irving, W.

Kniphofia snowdenii. Gard. Chron. III. 66:
247. illus. N.15,1919. No.1716.

Ragionieri, A.

Improvement of Richardia Gard. Chron. III.
66: 252-253 N.15,1919. No.1716.

Gard. Chron. Amer.

Cummings, A. jr.

Hardy roses for the garden Gard. Chron. Amer.
24: 94-96 illus. Mr.1920. no.3.

Hawaiian For. & Agr.

Judd, C. S.

The koa tree Hawaiian For. & Agr. 17: 50-55
3 pl. F.1920. no.2.

Acacia koa, A. kouia, A. kauaiensis, A. koa
hawaiensis, A. koa lanaiensis

Illinois Agr. Exp. Stat. Circ.

Burlison, W. L. and Stark, R. W.

Treating oats for smut Illinois Agr. Exp. Stat.
Circ. 240 4 p. F.1920.

Results of a five year experiment

Indian For.

Jackson, A. B.

A possible cause of "spike" in sandal Indian For.
46: 61-65 F.1920. no.2.

Indiana Agr. Exp. Stat. Bull.

Hoffer, G. N.

Disease-free sweet corn seed Indiana Agr. Exp.
Stat. Bull. 233 12 p. illus. Ja.1920.

Journ. Agr. Prat.

Blin, H.

Le genêt et la pâte a papier Journ. Agr. Prat.
84: 150-151 illus. F.19,1920. no.8.

Journ. Amer. Soc. Agron.

Parker, J. H.

A preliminary study of the inheritance of rust re-
sistance in oats Journ. Amer. Soc. Agron. 12: 23-
38 pl. 1-2 Ja.1920. no.1.

Literature cited: p. 37.

Richey, F. D.

Formaldehyde treatment of seed corn. Journ. Amer.
Soc. Agron. 12: 39-43 Ja.1920. no.1.

Journ. Dept. Agr. Porto Rico

Stevenson, J. A.

The mottling or yellow stripe disease of sugar-
cane. Journ. Dept. Agr. Porto Rico 4(i.e.3): 3-76
illus. (incl. map) 3 col. pl. Jy.1919 [1920]

Literature cited: p. 73-76 no.3.

Journ. Min. Agr. Gt. Brit.

Cotton, A. D. and Owen, M. N.

The white rot disease of onion bulbs Journ. Min.
Agr. Gt. Brit. 25: 1093-1099 pl. F.1920. no.71.

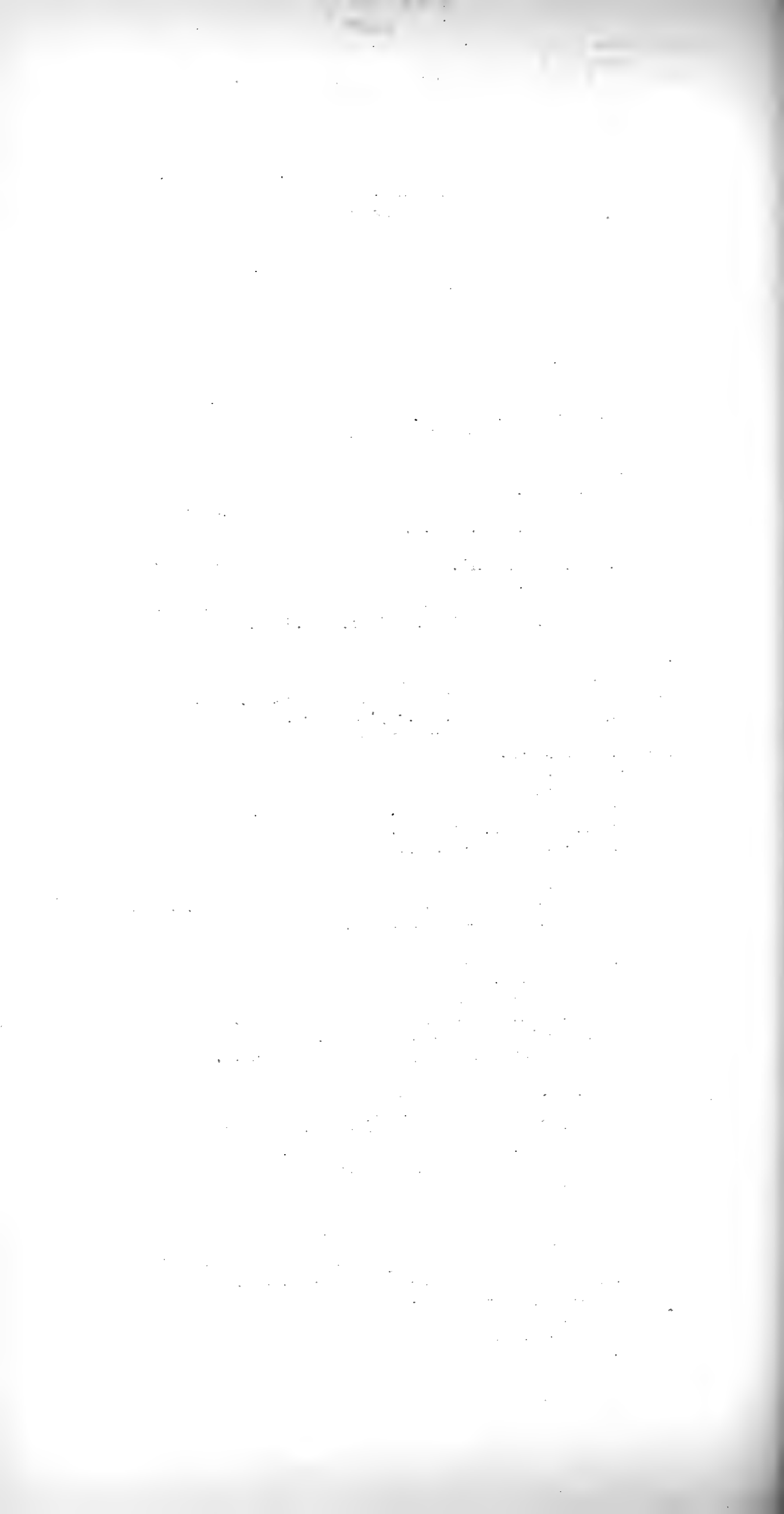
Caused by Sclerotium cepivorum; not to be confused
with disease caused by Botrytis.

Journ. Roy. Soc. Arts

Watts, Sir F.

Tropical departments of agriculture, with special
reference to the West Indies Journ. Roy. Soc. Arts
68: 216-225, 232-238 F.20-27, 1920.

Paper read before the Colonial section of the
Society, Feb. 2, 1920.



Landw. Jahrb.

Müller, H. C. and Molz, E.
Versuche mit saatschutzmitteln Landw. Jahrb.
52: 67-130 pl. v-vi Je.1918 no.9
Mitteilung der versuchsstation für pflanzenkrank-
heiten, Halle a.S.

Schander, R. and Schaffnit, E.
Untersuchungen über das auswintern des getreides
Landw. Jahrb. 52: 1-66 pl. i-iv (iv col.) Je.1918
Arbeiten aus der abteilung für pflanzenkrankheiten
des Kaiser Wilhelms-Institute für landwirtschaft in
Bromberg

Leafl. Philipp. Bot.

Beccari, O.
Palms of the Philippine Islands. Collected and
distributed by A.D.E.Elmer. Leafl. Philipp. Bot.
8: 2997-3067 Ag.25,1919. No.120.

Elmer, A. D. E.
New woody plants from Mount Maquiling Leafl.
Philipp. Bot. 8: 3069-3105 O.22,1919. No.121.

Elmer, A. D. E.
Zingiberaceae of the Sorsogon peninsula Leafl.
Philipp. Bot. 8: 2965-2995 My.31,1919. no.118.

Mém. Inst. l'Egypte

Ruffer, A.
Food in Egypt. Mém. Inst. l'Egypte n.s., v.1
88 p. 1919
Cereals, fruit and vegetables of ancient Egypt

Ohio Journ. Sci.

Sayre, J.D.
The relation of hairy leaf coverings to the re-
sistance of leaves to transpiration Ohio Journ.
Sci. 20: 55-86 illus. Ja.1920. no.3.
Literature cited: p. 75
Papers Dept. Bot. Ohio State Univ, no.116
Thesis presented for degree of Master of science
at Ohio State University.

Plant world

Korstian, C. F.
Native vegetation as a criterion of site Plant
world 22: 253-261. S.1919 [1920] no.9.
Bibliographical foot notes

Phytopath.

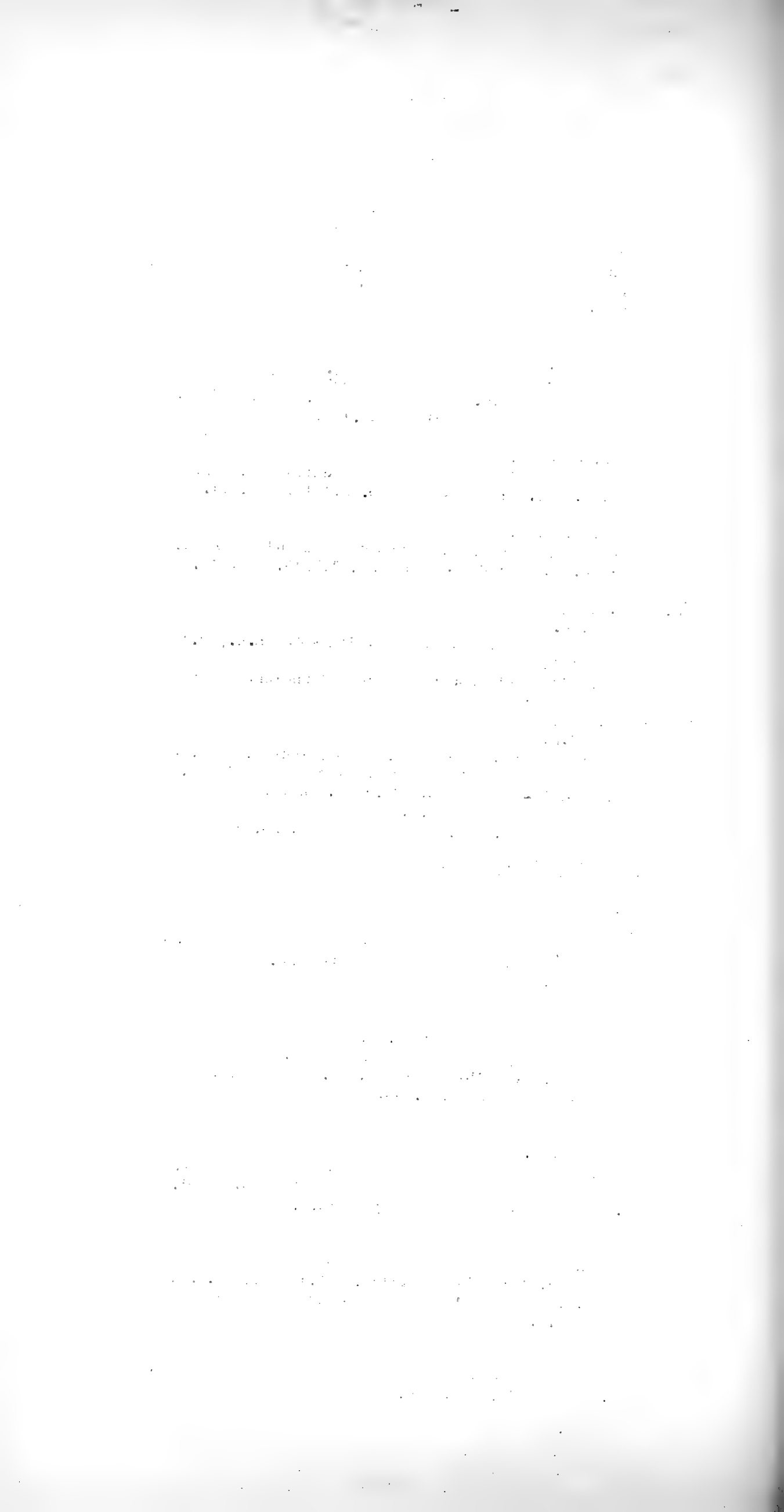
Brown, N. A. and Harvey, R. B.
Heart rot, rib rot and leaf spot of Chinese cabbages.
Phytopath. 10: 81-90 illus. F.1920. no.2.
Literature cited: p. 90.
Bacterium campestre

Byars, L. P.
A nematode disease of red clover and strawberry in
the Pacific northwest Phytopath. 10: 91-95 pl.vi
F.1920. (Tylenchus dipsaci) no.2.

Neal, D.C.
Phony peaches: a disease occurring in middle Georgia
Phytopath. 10: 106-109 illus., pl.ix F.1920. no.2.
"...possibly one of the so-called physiological
diseases..."

Orton, W. A.
Streak disease of potato Phytopath. 10: 97-100
pl. viii F.1920. no.2.

Rosenbaum, J.
Infection experiments on tomatoes with *Phytophthora*
terrestria Sherb. and a hot water treatment of the
fruit Phytopath. 10: 101-105 F.1920.



Phytopath.

Wolf, F. A.

A bacterial leafspot of velvet bean Phytopath.
10: 73-80 illus. F.1920. no.2.
Aplanobacter stizolobii n. sp.

York, H. H.

Late seasonal production of aecia of Cronartium
ribicola. Phytopath. 10: 111 F.1920. no.2.

Plant world

Roberts, H. F.

An improved colorimeter for color inheritance study
Plant world 22: 262-269 illus. S.1919[1920] no.9.

Potato Mag.

Anderson, T.

Potato wart disease in Britain Potato Mag. v.2,
no.13, p.8-9 illus. F.1920.

Proc. Roy. Soc. Victoria

Ewart, A. J.

Contributions to the flora of Australia 27 Proc.
Roy. Soc. Victoria 31: 367-378 pl.xviii My.1919.
pt.2.

Pulp & Paper Mag. Canada

Blair, R. J.

Prevention of decay in the timber of pulp and
paper mill roofs Pulp & Paper Mag. Canada 18:
7-10, 27-30 illus. Ja.1-8, 1920. no.1-2.

Hoxie, F. J.

Fire protection of log piles with reference to
the growth of fungus and the quality of pulp.
Pulp & Paper Mag. Canada 18: 105-111 illus. No.5.
Ja.29, 1920.

Rep. Dept. Agr. Fiji Isl.

Knowles, C. H.

[Report of] Division of plant pathology Rep.
Dept. Agr. Fiji Isl. 1918. p.19-21 1919

Rev. Agr. Puerto Rico

Legrand, J. F.

Plantas utiles de Puerto Rico (cont.) Rev. Agr.
Puerto Rico 4(2): 5-10 illus. F.1920. no.2.
Anamú (Petiveria alliacea); arbol de seda (Calo-
topis procera)

Rev. Gén. Bot.

Coupin, H.

Sur la nocivité de quelques composés du magnésium
à l'égard de diverses plantes Rev. Gén. Bot. 32:
19-43 1920. no.373

Eriksson, J.

Sur l'hétéroecie et la spécialisation du Puccinia
caricis Reb. Rev. Gén. Bot. 32: 15-18 1920. no.373.

Rev. Hort.

Correvoon, H.

L'horticulture russe sous la régime bolcheviste
Rev. Hort. 92: 18-19 Ja.16, 1920. no.1.

Destruction of establishment of Regel and Kessel-
ring containing many rare plants, of the library of
Regel and invaluable collection of notes on plants kept
since Regel's time. Disappearance of some botanists and
lack of knowledge of fate of others.

Lesourd, F.

Les plantes potagères à travers les ages Rev.
Hort. 92: 12-13 Ja.16, 1920. no.1.

Rhodora

Fernald, M. L.

The northern variety of Ranunculus hispidus
Rhodora 22: 30-31. F.1920. no.254.
R. hispidus var. falsus

[The page contains extremely faint and illegible text, likely bleed-through from the reverse side of the document. The text is too light to transcribe accurately.]

Rhodora

Fernald, M.L.

Polygala paucifolia Willd. forma *vestita* n.f. ..
Rhodora 22: 32 F.1920. no.254.

Fernald, M. L.

Some variations of *Cardamine pratensis* in America
Rhodora 22: 11-14 Ja.1920. no.253.

Riddle, L.W.

William Gilson Farlow Rhodora 22:-1-8 port.
Ja.1920. no.253.

St. John, H.

The genus *Elodea* in New England. Rhodora 22:
17-29 F.1920. no.254.

Weatherby, C.A.

Habenaria pycodes var. *ecalcarata* in Vermont.
Rhodora 22: 31-32 F.1920. no.254.

Wiegand, K. M.

A new species of *Sergularia* Rhodora 22: 15-16.
Ja.1920. no.253. (*S.alata*)

Wiegand, K. M.

Variation in *Lactuca canadensis* Rhodora
22: 9-11 Ja.1920. no.253.

Schweizer. Apoth.-Zeit.

Tschirch, A.

Was ist *sarcocolla*? Schweizer. Apoth.-Zeit.
58: 113-116. F.26,1920. no.9.

Sci. & Industr. Austr.

Mackinnon, Ewen

The application of electricity to increase crop
production Sci. & Industr. Austr. 2: 24-35 illus.
Ja.1920.

Science

Livingston, B. E.

Constructive scientific research by cooperation
Science 51: 277-283 Mr.19,1920. no.1316.

Peirce, G. J.

Wilhelm Pfeffer Science 51: 291-292 Mr.19,
1920. no.1316.

Tijdschr. Pflantenz.

Schoevers, T. A. C.

Ziekten van aardappelknollen Tijdschr. Plan-
tenz. 26: 5-20 pl. i-iii 1920. no.1.

Afzonderlijk verkrijgbaar als Mededeeling no.9
van den phytopathologischen dienst.

Verhoeven, W.B.L.

Zaaigraanontsmetting Tijdschr. Pflantenz. 26:
24-27 1920. no.1.

Vlugschrift no.16 van den Phytopathologschen
dienst, Dec.1919.

Trans. Bose Res. Inst. Calcutta

Bose, Sir J. C.

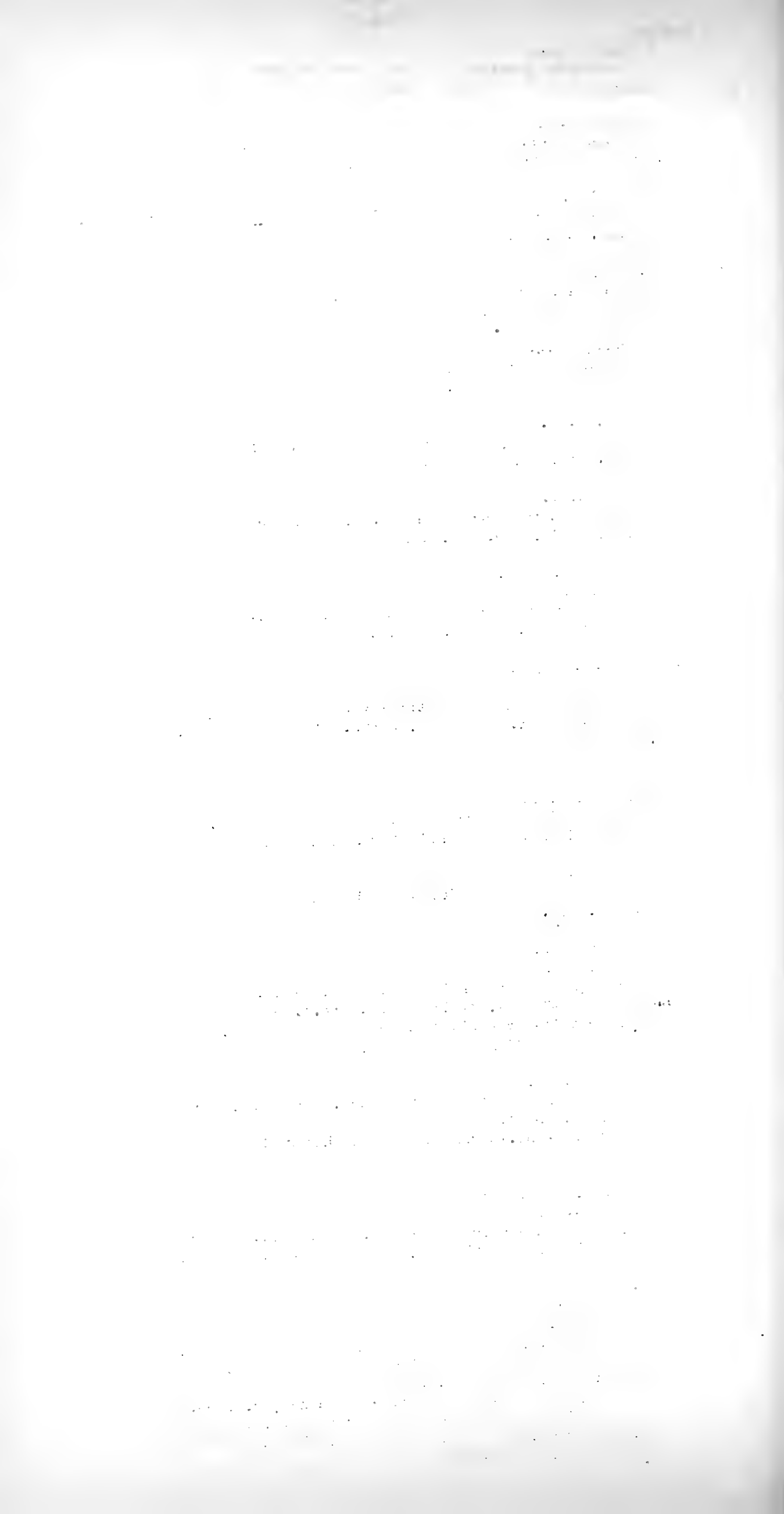
Life movements in plants pt.III Tropism. Trans.
Bose Res. Inst. Calcutta v.2 xiv, 255-397 p. 1919

Trop. Agr.

Federated Malay States - Brown bast investigation
committee.

Brown bast. The treatment of affected *Hevea* trees.
Views of Malaya's investigation committee Trop. Agr.
53: 192-196 S.1919. no.3.

From the Malayan tin and rubber journal, v.8, no.13.
"Sect. I & II have been prepared by Mr.H.C.Pinching;
Sect.III, by Mr. G. E. Perry; the whole has been edited
by Mr. R. M. Richards".



U. S. Dept. Agr. Bull.
Hitchcock, A.S.

The genera of grasses of the United States.
with special reference to the economic species.
U. S. Dept. Agr. Bull. 772 307 p. illus. pls.
Mar. 1920.

Hawkins, L. A. & Sando, C. E.

Effect of temperature on the resistance to
wounding of certain small fruits and cherries.
U. S. Dept. Agr. Bull. 830 6 p. Mr. 6, 1920.

U. S. Dept. Agr. Circ.

Blake, S. F.

Directions for collecting flowering plants and
ferns. U. S. Dept. Agr. Circ. 76 8 p. illus.
Ja. 1920

Schreiner, O., Brown, B. E., Skinner, J. J. & Shapovalov, M.

Crop injury by borax in fertilizers U. S. Dept.
Agr. Dept. Circ. 84 35 p. illus. F. 1920.

Vie Agr.

Pée-Laby,

Le madone, hybride producteur noir Vie Agr.
16: 134-136 F21. 1920. no. 8.

Recent Books.

- 452.8 Diels, Ludwig
D56 Ersatzstoffe aus dem pflanzenreich Stuttgart, 1918.
- 463.4 Schmidt, E. W.
Sch5 Bau und funktion der siebröhre des angiospermen 1917.
- 93 Woburn experimental fruit farm
W81R 17th report, by Spencer U. Pickering. 89 p. 1920.
17th Deals with experiments on toxic ation of one plant or
crop upon another.
- 463.2 Zwicky, E.
Z9 Ueber channa, ein genussmittel des hottentotten
(Mesembrianthemum expansum L. & tortuosum L.)
Zürich, 1914
60 p. 3 pl.
Verzeichnis der benutzen literatur: p. 59-60



Agr. News

Harland, S. C.

A note on a peculiar type of "rogue" in Sea
Island cotton Agr. News 19: 29. Ja.24,1920. No.463.

Agron. Colon.

Schaeffer, G.

Contribution à l'étude des citrouilles, culture,
exploitation, commerce Agron. Colon. 4: 114-118.
Ja./F.1920. No.28.

Ann. Rep. Oklahoma Agr. Exp. Sta.

Chambers, C.O.

Report of the botany department. Ann. Rep.
Oklahoma Agr. Exp. Stat. 28(1918/19): 33-34 1919.

Rolfs, F.M.

Report of horticultural department. Ann. Rep.
Oklahoma Agr. Exp. Stat. 28(1918/19): 44-50 1919

Atti. R. Accad. Lincei V. Rend. Cl. Sci. Fis. Mat. e Nat.

Ciamician G. & Ravenna, C.

Sulla influenza di alcune sostanze organiche sullo
sviluppo delle piante IV Atti R. Accad. Lincei V.
Rend. Cl. Sci. Fis. Mat. e Nat. 29(1): 7-13. 1920.No.1/2

Pantanelli, E.

Influenza della nutrizione e dell'attività radicale
sul collasso e il disseccamento prodotti dal freddo
Atti R. Accad. Lincei V. Rend. Cl. Sci. Fis. Mat. e
Nat. 29(1): 66-71. 1920. No. $\frac{1}{2}$.

Biol. Zentralbl.

Driesch, H.

Studien über anpassung und rhythmus Biol.
Zentralbl. 39: 433-462. O.1919. No.10.
Bibliographical foot notes.

Bot. Gaz.

Bisby, G.R.

Short cycle Uromyces of North America Bot. Gaz.
69: 193-217 pl.x Mr.1920. No.3.
Literature cited: p.215-216.
Contr. Bot. Dept. Purdue Univ. Agr. Exp. Stat.
Abstract in Phytopath. v.7, p.74.

Rose, D.H., Kraybill, H.R. and Rose, R.C.

Effect of salts upon oxidase activity of apple
bark Bot. Gaz. 69: 218-236 Mr.1920. No.3.
Centr. Hull Bot. Labor. 263.
Literature cited: p. 234-236.

Sharp, L. W.

Spermatogenesis in Blasia Bot. Gaz. 69:
258-268 pl.xv Mr.1920. No.3.
Literature cited: p. 266-267

Stevens, F.L.

Dothidiaceous and other Porto Rican fungi Bot.
Gaz. 69: 248-257 illus., pl. xiii-xiv Mr.1920. No.3.

Wright, G.

Pit-closing membrane in Ophioglossaceae Bot. Gaz.
69: 237-247 illus., pl. xi-xii Mr.1920. No.3.
Literature cited: p. 246.

Bot. Mag. Tokyo

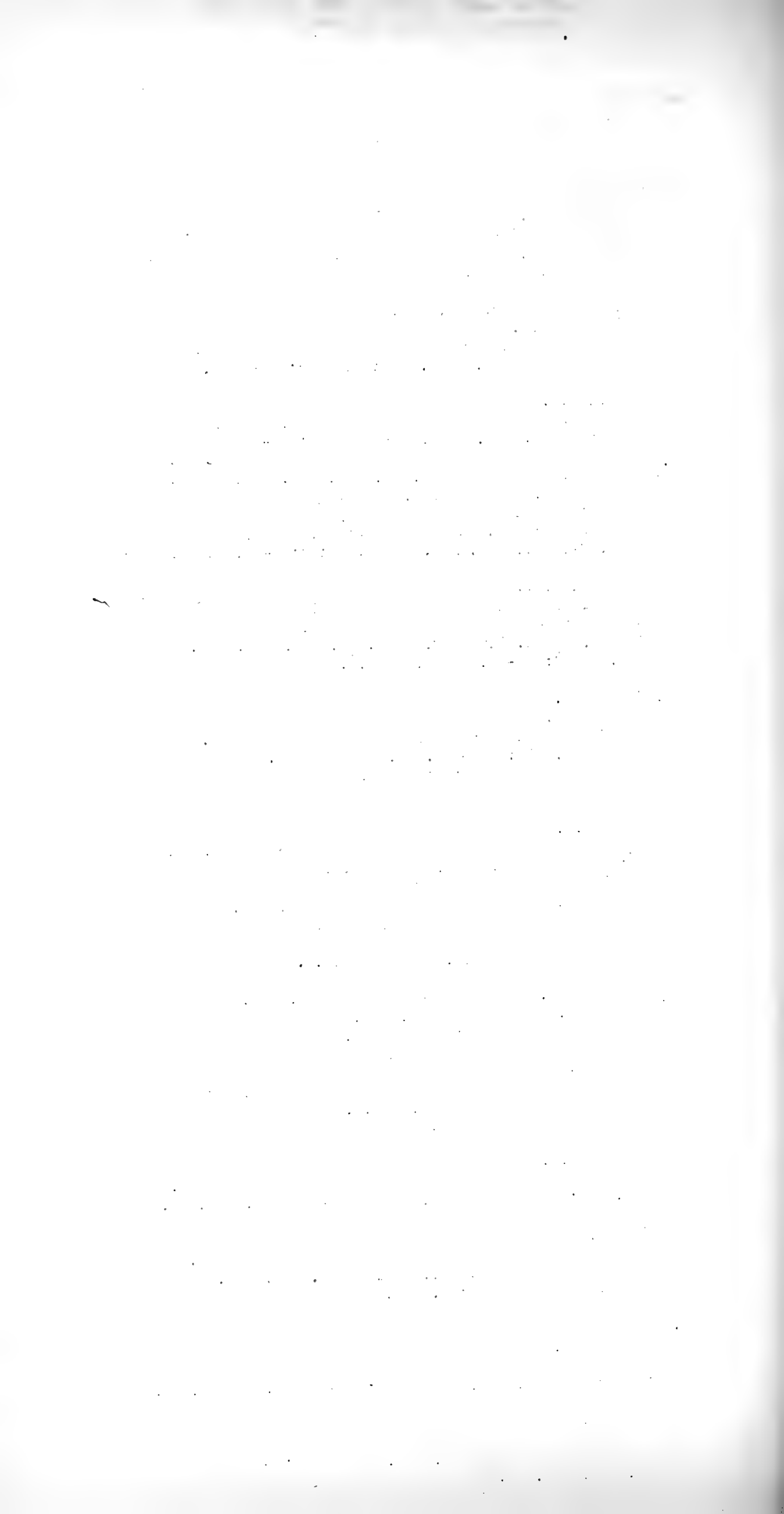
Koketsu, R.

Time records for physiology, ecology and clima-
tology Bot. Mag. Tokyo 34: 13-14 Ja.1920.no.397.

Matsuda, Sadahisa

Plants from Henan and North Kiangsu with their
vernacular names Bot. Mag. Tokyo 34:(30)-(35)
Ja.1920. no.397.

In Japanese but names transliterated as well as
given in Latin.



Bryol.

Herre, A.C.

Notes on Mexican lichens Bryol. 23: 3-4
Ja.1920. No.1.

Lorenz, A.

Some hepaticae from Matinicus Island, Maine.
Bryol. 23: 1-3. Ja.1920. No.1.

Lowe, R.L.

Rhocomitrium sudeticum, a moss new to Worcester
county, Massachusetts Bryol. 23: 4-5 Ja.1920.
No.1.

Standley, P.C.

Sphagnum in Glacier National Park, Montana. Bryol.
23: 5-6 Ja.1920. No.1.

Bull. Agr. Inst. Sci. Saigon

Pierre, L.

Note sur l'Isonandra krantziana (arbre à gutta-
percha de la Cochinchine et du Cambodge) Bull.Agr.
Inst. Sci. Saigon 2: 33-40 F.1920. No.2.

Unpubl. paper found in archives of Service de l'
agriculture, Indochina.

Bull. Econ. Indochine. n.s.

Crévost, Ch.

Plantes et produits filamenteux et textiles de
l'Indochine (suite) Bull. Econ. Indochine ns
22: 813-837 pl. N./D.1919. no.139.

Bull. Imp. Inst.

Investigations of materials suggested for the
manufacture of paper. (South Africa, Rhodesia, Egypt,
Papua, St. Helena) Bull. Imp. Inst. 17: 141-159
Ap./Je.1919. no.2.

Colo. Agr. Exp. Stat. Bull.

May, W.L.

Whorled milkweed, the worst stock-poisoning plant
in Colorado. Colorado Agr. Exp. Stat. Bull. 255
39 p. illus. Ja.1920.

Compt. Rend. Acad. Sci. Paris

Coupin, H.

Sur la production de la chlorophylle par les
végétaux exposés à une lumière discontinue. Compt.
Rend. Acad. Sci. Paris 170: 403-405. 1920.

Dangeard, P.

Sur l'évolution du système vacuolaire chez les
gymnosperms Compt. Rend. Acad. Sci. Paris. 170:
474-477 illus. 1920. no.8.

Emberger, L.

Évolution du charnariome dans la formation du
sporange chez les fougères. Comp. Rend. Acad. Sci.
Paris 170: 469-471. illus. 1920. no.8.

Guérin, P. and Lormand, Ch.

Action du chlore et de diverses vapeurs sur les
végétaux. Compt. Rend. Acad. Sci. Paris 170: 401-
403. 1920. no.7.

Mangin, L.

Notice nécrologique [Emile Boudier] Compt. Rend.
Acad. Sci. Paris 170: 417-418. 1920. no.8.

Pottier, J.

Sur la généralité de l'asymétrie foliaire.
Compt. Rend. Acad. Sci. Paris 170: 471-474. illus.
1920. no.8.

Souèges, R.

Embryogénie des chénopodiacées. Développement de
l'embryon chez le Chenopodium bonus-henricus L.
Compt. Rend. Acad. Sci. Paris 170: 467-469 illus.
No.8. 1920.



Compt. Rend. Soc. Biol. Paris

Wildeman, E. de

A propos du genre *Tetracladium* Compt. Rend.
Soc. Biol. Paris 83: 192-194 1920. no.7.

Contr. U.S. Nat. Herb.

Hitchcock, A.S. & Chase, A.

Revisions of North American grasses. Contr.
U.S. Nat. Herb. v.22, pt.1 77 p. illus. 24 pl. 1920.

The North American species of *Ishmanthus* by
A.S. Hitchcock

The North American Species of *Lasiacis* by
A.S. Hitchcock

The North American species of *Brachiaria*. by
Agnes Chase

The North American species of *Cenchrus* by
A. Chase

Piper, C.V.

A study of *Allocarya* Contr. U.S. Nat. Herb.
v.22, pt.2. p.79-115. 1920.

Fühl. Landw. Zeit.

Griesbeck, A.

Die Erreger der schwarzbeinigkeit bei kartoffeln.
Fühl. Landw. Zeit. 69: 37-38. Ja. 1920. no. $\frac{1}{2}$.

Gard. Chron. III.

Grove, A.

A new Chinese lily Gard. Chron. III, 67: 115.
illus. Mr.6, 1920. No.1732.

Ward, F.K.

Alpine meadows of Burma-Yunnan. Gard. Chron.
III, 67: 118 Mr.6, 1920. no.1732.

Garden

Dillistone, G.

A new Iris classification Garden 84: 118-
119 illus. Mr.6, 1920. no.2520.

Gard. Mag.

McFarland, J.H.

Roses remade for America... and the men to whose
skill we are indebted for the romantic cutcrop of
home introductions... Gard. Mag. 31: 93-98.
illus. (incl. ports.) Ap. 1920. no.2.

Wilson, E. H.

The romance of our trees VII. The beeches.
Gard. Mag. 31: 115-119 illus. Ap. 1920. no.2.

Gartenfl.

Fürstenberg

Auf zum Kampf gegen schädliche und ungeziefer
der Obstbäume. Gartenfl. 69: 16-22 no. $\frac{1}{2}$
Ja. 15, 1920.

Contents: a. Bordelaiser brühe; b. Bordola-
pasta; c. Uspulun; d. Quaissiholz und tabak;
e. Uranagrün; f. zabulon; g. karbolineum oder
nicht?

Genetics

Zinn, J.

On variation in Tartary buckwheat, *Fagopyrum*
tataricum (L.). Gaertn. Genetics 4: 534-586
illus., fold. tab. N. 1919. no.6.

Literature cited: p. 585-586

Papers from Biol. Labor. Maine Agr. Exp. Stat.
no.131.

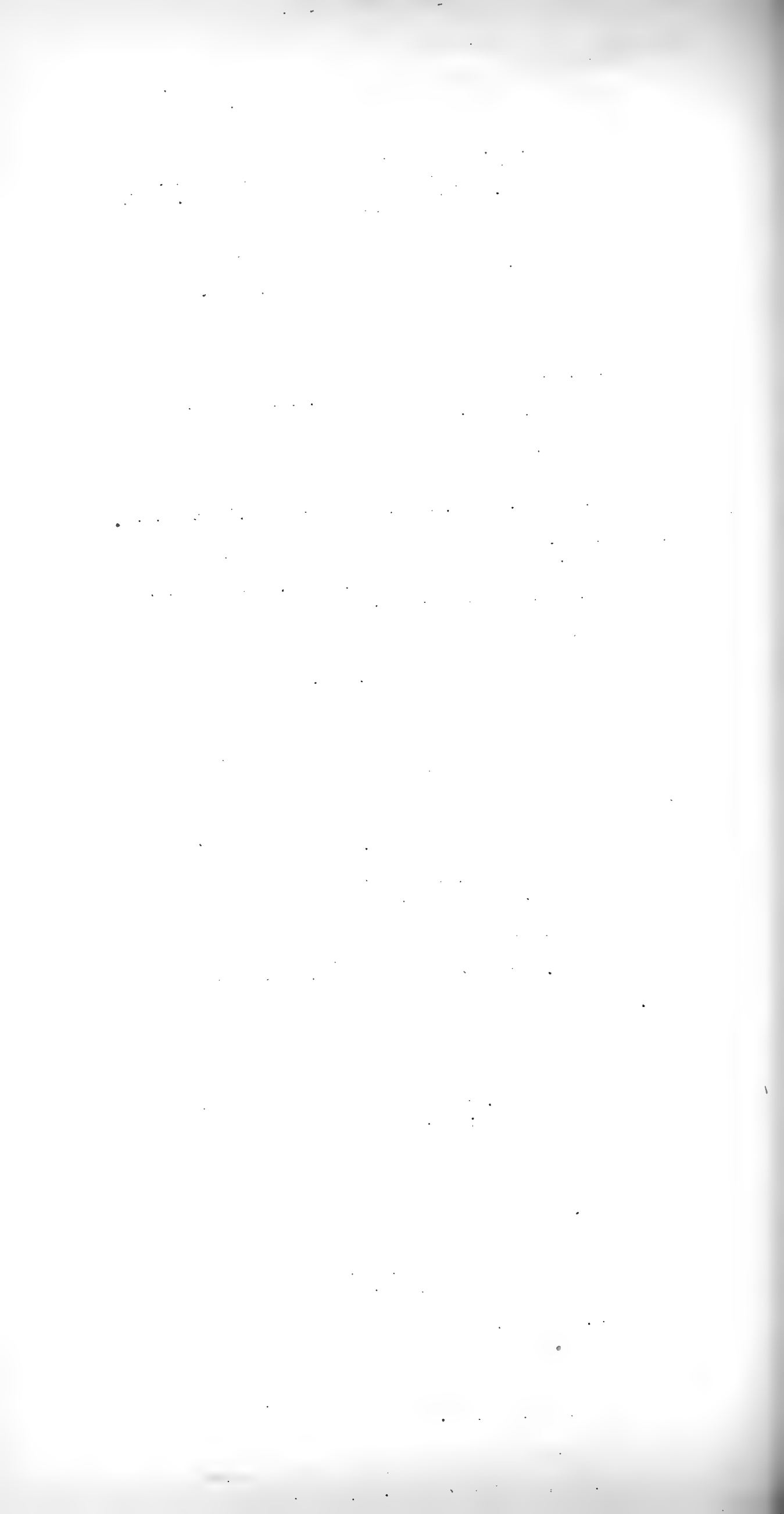
Journ. Bot.

Britten, J.

Schrankia microphylla Journ. Bot. 58: 89-
90. Mr. 1920. no.687.

Godfrey, M.J.

Cephalanthera Richard or *Epipactis Crantz*?
Journ. Bot. 58: 69-74 Mr. 1920. no.687.



Journ. Bot.

Moore, S. LeM.

Alabastra diversa XXXII. 3. Plantae Rogersianae V. - 4. Phyllanthi ex Rhodoseia species novae [P. sylesii] - 5. Acanthaceae papuanae a cl. H.O. Forbes lectae. Journ. Bot. 58: 74-80 Mr. 1920. no. 687.

Wernham, H.F.

Deweyrella congensis sp. nov. Journ. Bot. 58: 80-81 Mr. 1920. no. 687.

Journ. Gen. Phys.

Brooks, M. M.

Toxic and antagonistic effects of magnesium in relation to the respiration of Bacillus subtilis. Journ. Gen. Phys. 2: 331-336 Mr. 1920. no. 4.

Comparative studies of respiration X

Loeb, J.

The nature of the directive influence of gravity on the arrangement of organs in regeneration. Journ. Gen. Phys. 2: 373-386 illus. Mr. 1920. no. 4.

Journ. Hered.

An award to honor to Walter Van Fleet for his contributions to the advancement of horticulture, especially roses, he is given the George Robert White medal of honor. Journ. Hered. 11: 95-96. illus. F. 1920. no. 2.

Detjen, L. R.

A mutating blackberry-dewberry hybrid. Journ. Hered. 11: 92-94. illus. F. 1920. no. 2.

Emerson, R.A.

Pistillate flowered maize plants. Heritable characters of maize II Journ. Hered. 11: 65-76 illus. F. 1920. no. 2.

Journ. New York Bot. Gard.

Britton, N. L.

The wild pimento of Jamaica. Journ. New York Bot. Gard. 21: 38-39. F. 1920. no. 242.

Amomis jamaicensis

Of grottoes and ancient dunes. A record of exploration in Florida in December, 1918. Journ. New York Bot. Gard. 21: 25-38. pl. 241-242. F. 1920.

Journ. Pomol.

Buryard, E.A.

The "New orchard and garden" of William Lawson. Journ. Pomol. 1: 125-134. illus. [1920]. no. 2.

Hatton, R.G.

Black currant varieties - a method of classification. Preliminary work carried out at the Fruit experiment station, East Malling. Journ. Pomol. 1: 65-80 illus., 9 pl. [1920] no. 3.

Monatsschr. Kakteenk.

Vaupel, F.

Melocactus ernesti Vpl. n. sp. Monatsschr. Kakteenk. 30: 8 illus., pl. Ja. 1920. no. 1.

Month. Bull. Dept. Agr. Calif.

Shear, W.V.

The eelworm and potatoes. Month. Bull. Dept. Agr. Calif. 9: 69-71 illus. Mr. 1920. no. 3.

Naturwissensch.

Gerhardt, Karl

Die sekretion und ihre bedeutung im leben der pflanze. Naturwissensch. 8: 41-43. Ja. 16, 1920. no. 3.

Geibel, K.

Ernst Stahl zum gedächtnis. Naturwissensch. 8: 141-148. F. 20, 1920. no. 8.

Naturw. Zeitschr. Forst- u. Landw.

Rippel, A.

Die chemische Zusammensetzung von *Lactaria piperrita* (Scop.) und *Lactaria vellesea* (Fries)

Naturw. Zeitschr. Forst- u. Landw. 17: 142-146

Ap./My.1919.

Nevada Agr. Exp. Stat. Bull.

Fleming, C.E. and Petersen, N.F.

Arrow-grass. A new stock-poisoning plant (*Triglochin maritima*) Nevada Agr. Exp. Stat. Bull.

98 21 p. illus. Ja.1920.

New Mexico Agr. Exp. Stat. Bull.

Leonian, L. H.

Fusarium wilt of Chile pepper. New Mexico Agr. Exp. Stat. Bull. 121 32 p. illus. D.1919.

Literature cited: p. 31.

F. annuum n. sp.

New Zeal. Journ. Agr.

Cockayne, L.

An economic investigation of the montane tussock-grassland of New Zealand V. Regeneration of grassland after depletion. New Zeal. Journ. Agr. 20: 62-94 illus. F.1920. no.2.

Ohio Journ. Sci.

Schaffner, J.H.

Additions to the catalog of Ohio vascular plants for 1919 Ohio Journ. Sci. 20:131-136. F.1920.

no.4.

Philippine Agr.

Reinking, O.

Diseases of economic plants in southern China.

Philippine Agr. 8: 109-134 iii pl. N.1919.no.4.

Experiment station contribution no.22.

Phytopath.

Detwiler, S.B.

Results of white pine blister rust control in 1919 Phytopath. 10: 177-180. Mr.1920. no.3.

Fracker, S.B.

Varietal susceptibility to false blossom in cranberries. Phytopath. 10: 173-175. Mr.1920. no.3.

"No organism responsible for the trouble has been isolated..."

Hartley, C. and Hahn, G. G.

Notes on some diseases of aspen. Phytopath. 10: 141-147. illus. Mr.1920. no.3.

Literature cited: p. 147

Leaf troubles: *Sclerotium bifrons*, *Melampsora albertensis*; twig troubles- insect tunneling; trunk troubles- *Fomes ignarius*, bark lesions and cankers, bark blackening of cuttings.

Melchers, L.E. and Parker, J.H.

Three winter wheat varieties resistant to leaf rust in Kansas. Phytopath. 10: 164-171 illus. Mr.1920.

Literature cited: p. 1717.

Contr. Dept. Bot. & Plant Path. Kansas Agr. Exp. Stat. no.30.

Rand, F. V. and Cash, L.C.

Some insect relations of *Bacillus tracheiphilus* Erw. Sm. Phytopath. 10: 133-140. illus. Mr.1920. no.3.

Tisdale, W.B.

Iris leaf spot caused by *Didymellina iridis*. Phytopath. 10: 148-163 illus. Mr.1920. no.3.

Literature cited: p. 162-163.

Disymellina iridis v.H., ascigenuous stage of *Heterosporium gracile* Sacc.

Phytopath.

Walker, J.C. and Tisdale, W.B.

Observations on seed transmission of the cabbage black rot organism. *Phytopath.* 10: 175-177. Mr. 1920. no. 3.

Bacterium campestris.

Weimer, J.L.

The distribution of buckeye rot of tomatoes. *Phytopath.* 10: 172. Mr. 1920. no. 3.

Phytophthora terrestris

Wolf, F. A.

Bacterial blight of soybean. *Phytopath.* 10: 119-132. illus. Mr. 1920. no. 3.

Literature cited? p. 132

Bacterium sojae n. sp.

Prakt. Blätt. Pflanzenb. u. Pflanzensch. n.s.

Hiltner, L. and Korff, G.

Ueber versuche zur bekämpfung der hernie oder kropfkrankheit der kohlgewächse unter besonderer berücksichtigung des sog. Steiner'schen mittels. *Prakt. Blätt. Pflanzenb. u. Pflanzensch. n.s.* 14: 25-28. Mr. 1916.

Proc. Roy. Soc. Queensl.

Longman, H.A. and White, C.T.

Mutation in a proteaceous tree. *Proc. Roy. Soc. Queensl.* 30: 162-165. illus. D. 1918.

Maiden, J. H.

The tropical acacias of Queensland (with description of new species) *Proc. Roy. Soc. Queensl.* 30: 18-51. vii pl. D. 1918.

Queensl. Agr. Journ.

Francis, W.D.

Some observations on weeds and scrub undergrowth eaten by stock. *Queensl. Agr. Journ.* 13: 66-69. illus. F. 1920. no. 2.

White, C.T.

Botanical notes *Queensl. Agr. Journ.* 13: 66 F. 1920. no. 2.

a. Description of a new variety of the red cedar (*Cedrela toona* var. *vestita*)

b. On a *Haloragis* not previously recorded from Queensland (*H. odontocarpa*).

Rev. Hort.

Krelage, E.

A propos de la classification des tulipes. *Rev. Hort.* 92: 30-31. F. 16, 1920. no. 2.

Lesourd, F.

Sur l'histoire du topinambour. *Rev. Hort.* 92: 37-38 F. 16, 1920. no. 2.

Pinella, J.

Berberis subcaulialata C.K. Schneider. *Rev. Hort.* 92: 28-30. illus. F. 16, 1920. no. 2.

Schweiz. Apoth.-Zeit.

Rosenthaler, L.

Beiträge zur blausäure frage V. Die treubschen hypothesen. *Schweiz. Apoth.-Zeit.* 58: 137-142. My. 11, 1920.

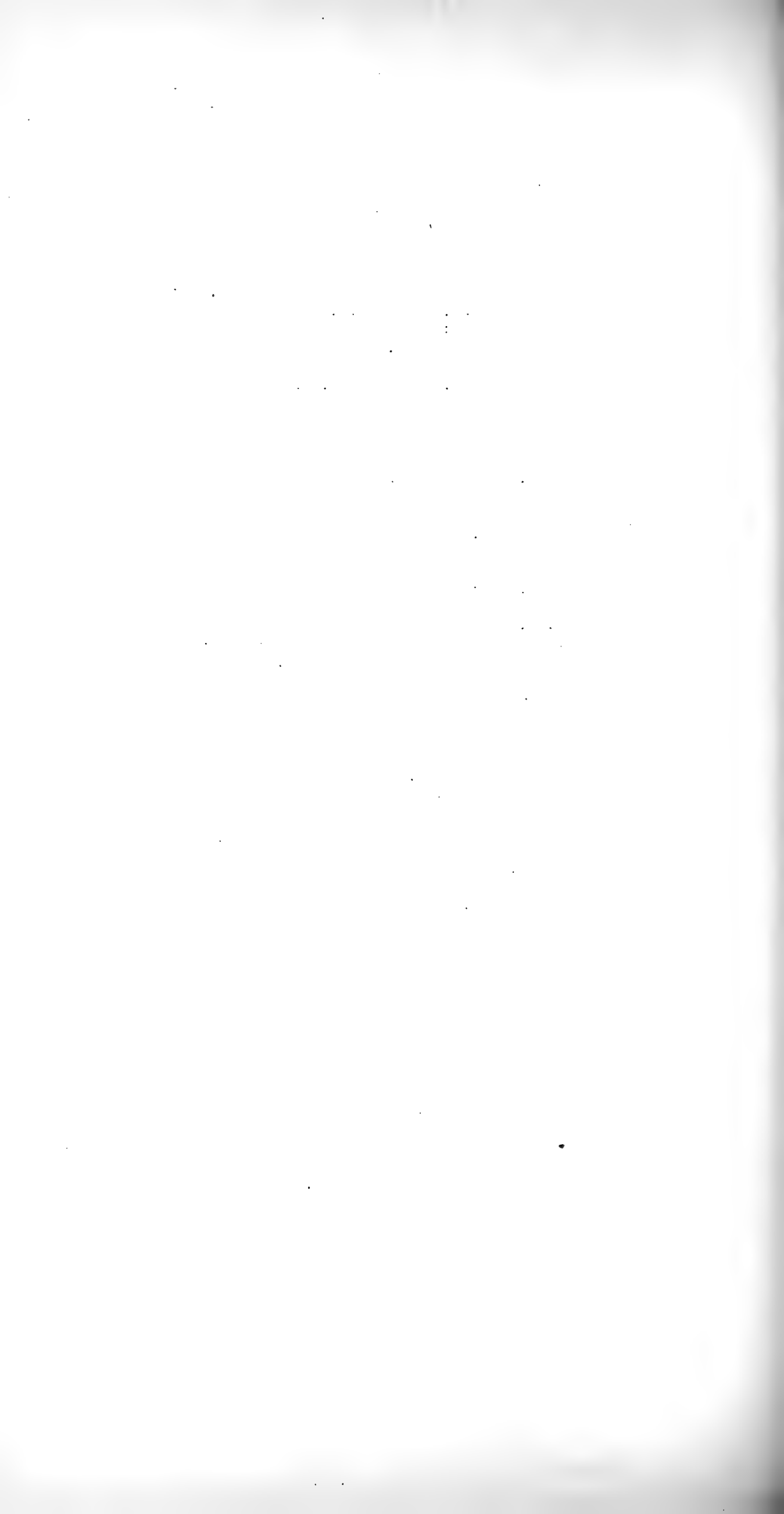
Paravacini, E.

Favolus europaeus Fr. Ein schilling des nussbaumes. *Schweiz. Zeitschr. Forstw.* 70: 15-17. Ja./F. 1919.

Teysmannia

Wigman, E.J. jr.

Schaduw-, sier- en laanboomen *Teysmannia* 30: 442-450 2 pl. 1919. no. 10.



Tijdschr. Pa.

Tijdschr. Plantenz.

Volker², K.

Iets over plaatselijk onderzoek van bloembollen-
ziekten Tijdschr.Plantenz, 26: 61-70. 1920.no.2.

Torreya

Pennell, F.W.

Soil preferences of Scrophulariaceae. Torreya
20: 10-11. F.1920. no.1.

Correction for his articles on the Scrophular-
iaceae of the local flora.

U. S. Dept. Agr. Bull.

McAtte, W.L.

Wild-duck foods of the sandhill region of
Nebraska. Waterfowl and their food plants...Pt.II.
U.S.Dept. Agr. Bull. 794. p.37-77 Mr.1920.

U. S. Dept. Agr. Circ. 81.

Marsh, C.D. and Clawson, A.B.

Astragalus tetrapterus, a new poisonous plant
of Utah and Nevada U. S. Dept. Agr. Circ.81.
6 p. Ja.1920.

Vie Agr.

Malpeaux, L.

La désinfection du sol et sa stérilisation partielle.
Vie Agr. 16: 94, 95-97. F.7,1920. no.6.

Zeitschr. Pflanzenkr.

Bernatsky, J.

Die kriterien der reifen und unreifen rebe.
Zeitschr. Pflanzenkr. 26: 37-46. illus. Ap.1916.

Kirchner, O. von

Ueber die verschiedene empfänglichkeit der wei-
zensorten für die steinbrandkeit. Zeitschr.
Pflanzenkr, 26: 17-25. Ap.1916.

Sorauer, P.

Misserfolge bei der treiberei der blumenzwiebeln
(Nachträge IX) Zeitschr. Pflanzenkr. 26: 28-37.
illus. Ap.1916.

No bacteria or fungus found.

Wittmack, L.

Paul Sorauer Zeitschr. Pflanzenkr. 26: 1-17
port, 1916.

Schriftenverzeichnis: p.6-17.

RECENT RECENT BOOKS.

Porto, P. Campos

O cambuci (*Paivaea langsdorffii* Berg.)

Rio de Janeiro, 1920.

14 p. illus., pl. 27cm.

At head of title: Jardim botanico de Rio de Janeiro.

464.08

F52

Fischer, Eduard

Eine mehltaukrankheit des kirschlorbeers. [n.p.]
S.1919. (1 leaf illus.)

Sonderabdruck aus der Schweiz. Obst- u. Gartenb.
Zeit. jahrg. 1909 p.314-315.

Ideta, Arata

Preliminary report on the plant diseases in
Yamaguchi prefecture, Japan no.1-

[Ja.-

2 nos.

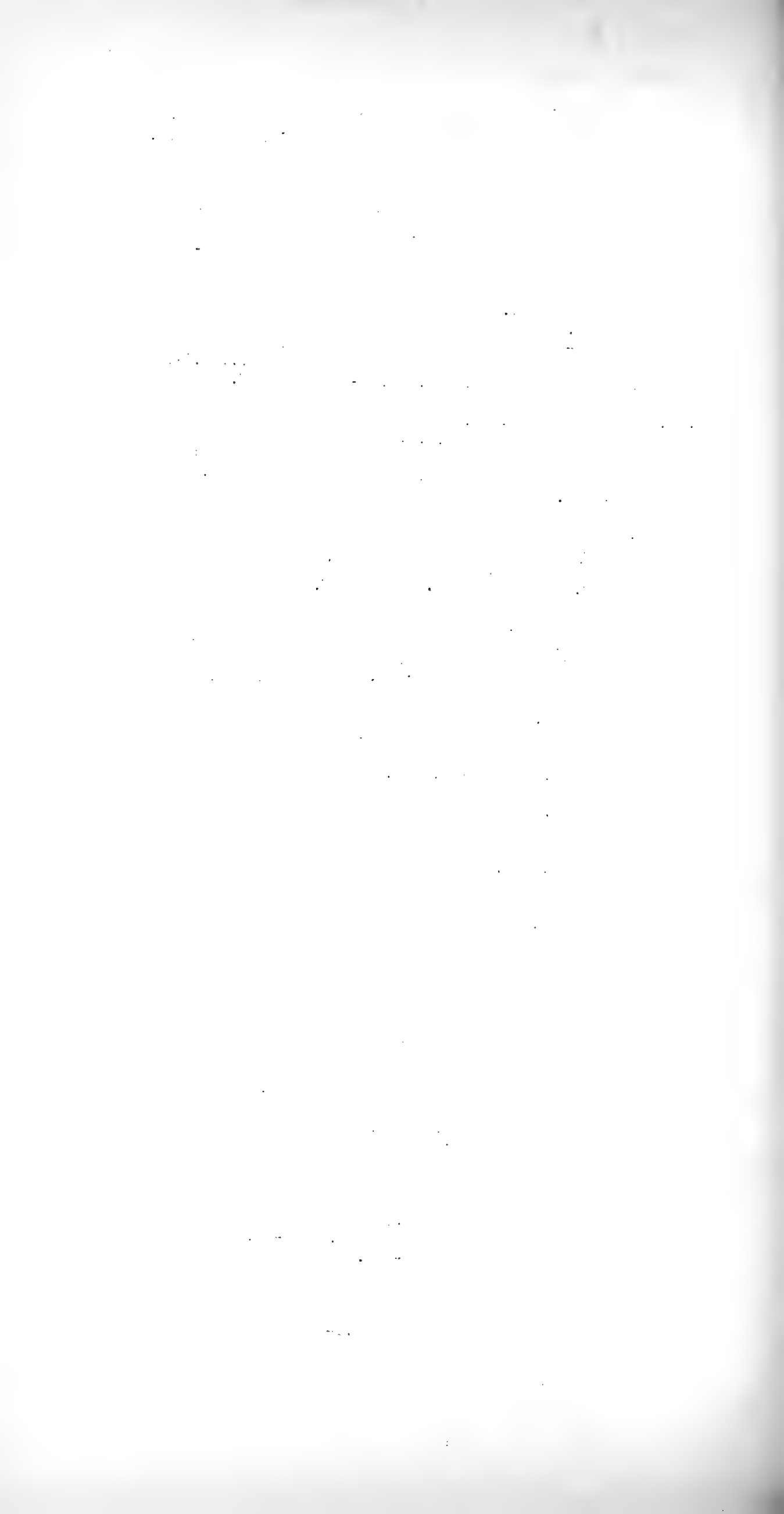
broadsides

452.7

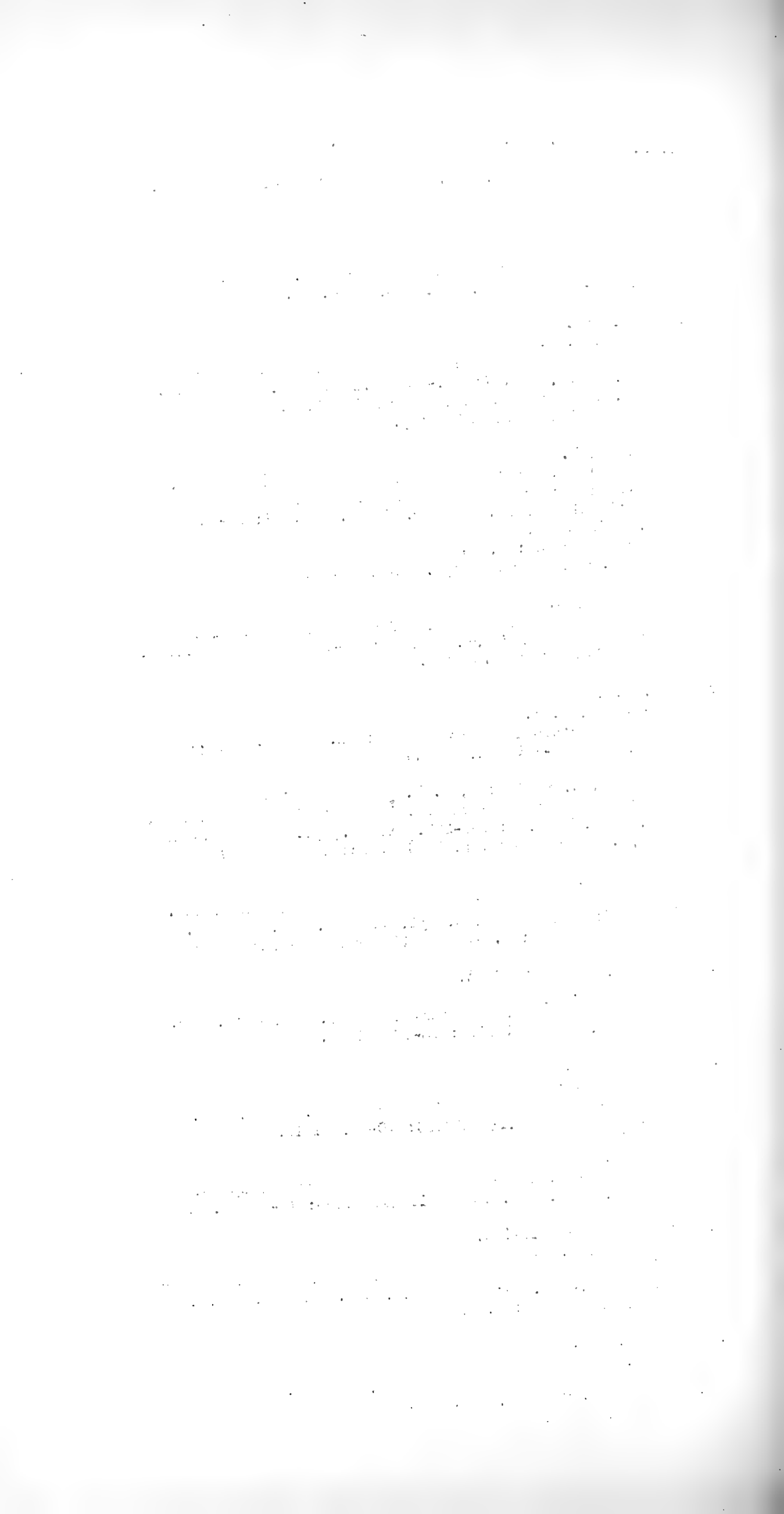
L36

Laufer, Berthold

Sino-iranica 1919



- Agr. Gaz. N. S. W.
Waterhouse, W.L.
A note on the over-summering of wheat rust in
Australia. Agr. Gaz. N. S. W. 31: 165-166 Mr.1920.
No.3.
- Amer. For.
The historic trees of Massachusetts. Amer. For.
26: 213-225 illus. Ap.1920. No.316.
- Amer. Journ. Bot.
Curtis, O. F.
The upward translocation of food in woody plants I
Amer. Journ. Bot. 7: 101-124 illus. Mr.1920. No.3.
I. Tissues concerned in translocation.
Literature cited: p. 124.
- Seifrizz, W.
The length of the life cycle of a climbing bamboo.
A striking case of sexual periodicity in *Chusquea*
abietifolia Griseb. Amer. Journ. Bot. 7: 83-94 illus.
Mr.1920. No.3.
Bibliography: p. 94
Bot. Contr. Johns Hopk. Univ. no,62.
- Yampolsky, C.
Sex intergradation in the flowers of *Mercurialis*
annua. Amer. Journ. Bot. 7: 95-100 pl. v. Mr.1920,
No.3. (Literature cited: p. 99)
- Ann. Appl. Biol.
Brenchley, W. E.
Some factors in plant competition. Ann. Appl..
Biol. 6: 142-170 pl.v D.1919 No.2/3
- Paine, S. G. and Bewley, W. F.
Studies in bacteriosis IV. "Stripe" disease of tomato.
Ann. Appl. Biol. 6: 183-202. illus., pl. viii D.1919
No.2/3. (References: p. 202) (*Bacillus lathyri*)
- Wormald, H.
A *Phytophthora* rot of pears and apples. Ann. Appl.
Biol. 6: 89-100 illus. pl. iii D.1919. No.2/3.
Bibliography: p. 100 (*Phytophthora cactorum*)
- Ann. Rep. Colo. Agr. Exp. Stat.
Leach, J. G.
Report of [acting] botanist Ann. Rep. Colo. Agr.
Exp. Stat. 32 (1918/19): 13-17 1919.
- Ann. Rep. Comm. Agr. Texas
Zuber, N. D.
Report of Division of plant pathology. Ann. Rep.
Comm. Agr. Texas 11(1917/18): 40-44. 1919.
- Zuber, N. D.
Report of division of orchard and nursery inspection
Ann. Rep. Comm. Agr. Texas 11 (1917/18): 45-53 1919
- Arch. Rubbercult. Nederl.-Ind.
Keuchorius, P. E.
Onderzoekingen over bruine bastziekte. Arch. Rubber-
cult. Nederl.-Ind. 4: 1-4 foli. tab. F.1920. no.1.
English summary: p. 4.
- Ber. Deut. Bot. Ges.
Esnarch, F.
Die phloëmnekrose der Harteffel. Ber. Deut. Bot.
Ges. 37: 463-470 Ja.1920. no.9.
Bibliographical foot notes



Ber. Deut. Bot. Ges.

Guttenberg, Hermann von

Untersuchungen über den phototropismus der
pflanzen Ber. Deut. Bot. Ges. 37: 299-310
S.1919. No.7.

I. Ueber die abhängigkeit der phototropen er-
scheinungen von der gröesse der beleuchteten fläche
II. Neue versuche zur frage nach der art der licht-
perzeption.

Heinricher, E.

Ein versuch samen, allenfalls pflanzen, aus der
kreuzung einer laubholzmistel mit der tannemistel zu
gewinnen. Ber. Deut. Bot. Ges. 37: 392-398. D.1919.
No.8.

Höfler, K.

Ueber den zeitlichen verlauf der plasmadurchlässig-
keit in salzlösungen I Ber. Deut. Bot. Ges. 37:
314-326 D.1919. no.8.

Pfeiffer, H.

Ueber die stellung der gattung *Caustis* R. Br. im
natürlichen system. Ber. Deut. Bot. Ges. 37: 415-
419 pl. v. J.1920. no.9.

Zitierte literatur: p. 419

Stark, P.

Ueber traumotropische und leptotropische reiz-
leitungsvorgänge bei gramineenkeimlingen. Ber. Deut.
Bot. Ges. 37: 358-363 illus. D.1919. no.8.

Literatur: p. 363

Bol. Min. Agr. Ind. e Comm. Brazil

Andrade, Alfredo A. de

O buassu' ou babassu' Bol. Min. Agr. Ind. e
Comm. Brazil 7: 51-56 1919

Orbignia martiana

Bot. Mem. Oxford

Denham, H. J.

Gossypium in pre-linnaean literature Bot. Mem.
Oxford no.2 24 p. illus. 1919.

Literature of the period: p. 2.

Bibliographical foot notes

Bull. Entom. Dept. Rhode Isl. State Bd. Agr.

Martin, J.F., Stone, A.E., and Sheals, R.A.

How to distinguis and combat the white pine blister
rust. Bull. Entom. Dept. Rhode Isl. State Bd. Agr.
n.s., no.1 38 p. illus. F.1920.

Bull. Mus. Hist. Nat.

Benoist, R.

Description d'espèces nouvelles de phanérogames de
la Guyane française Bull. Mus. Hist. Nat. Paris
1919 p. 296-299 no.4.

Capparis maroniensis, *Andira wachenheimi*, *Swartzia
similis*, *Helicostylis pedunculata*.

Benoist, R.

Guenetia, genre nouveau de la famille des tilia-
cées Bull. Mus. Hist. Nat. Paris 1919 p.387-389
No.5.

Benoist, R.

Les *Licania* (chrysoalanacées) de la Guyane
française. Bull. Mus. Hist. Nat. Paris 1919. No.6.
p.512-516

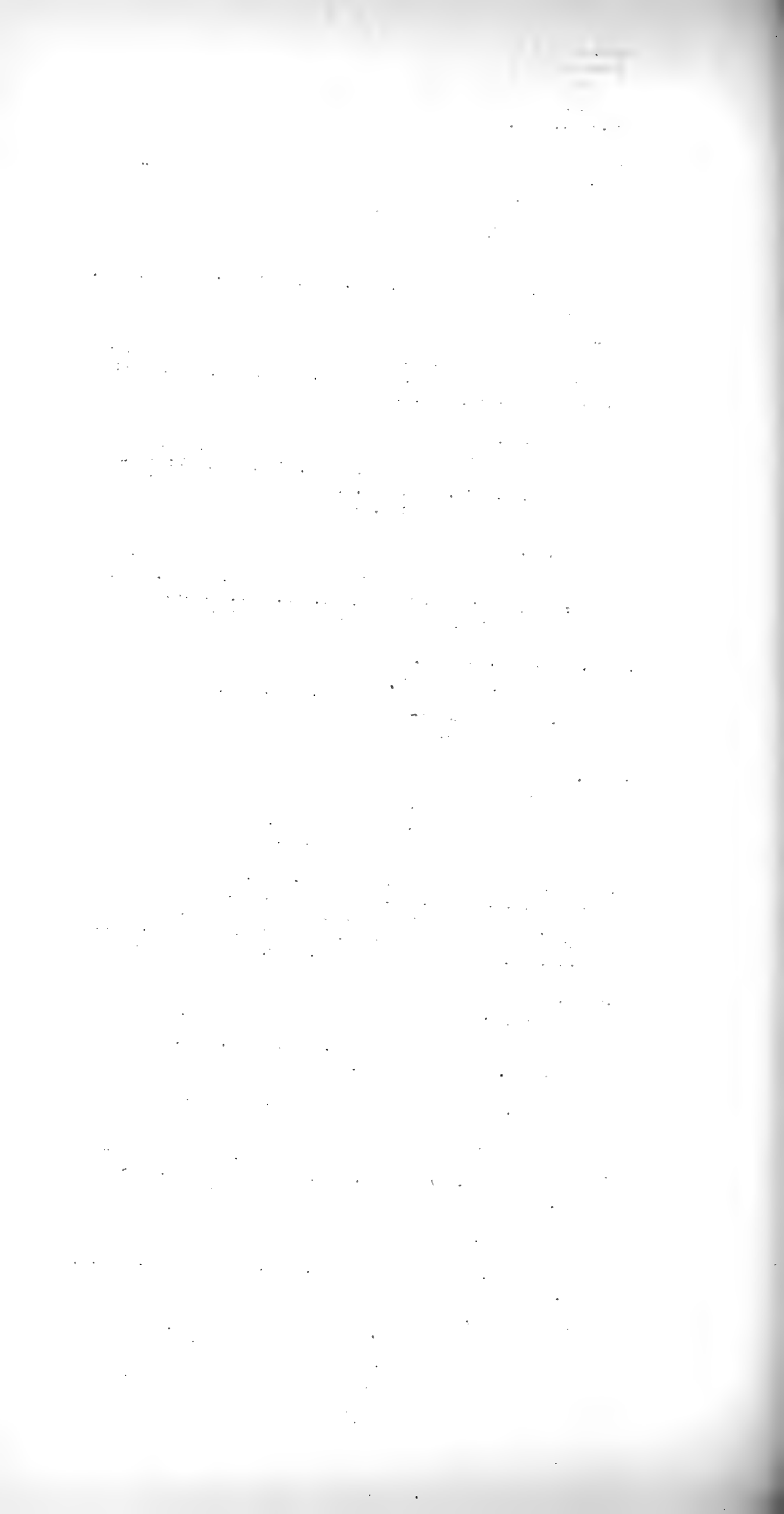
Canus, Aimée

Espèces et variétés nouvelles de graminées asiatiques.
Bull. Mus. Hist. Nat. Paris 1919 p. 367-371. no.5.

Isachne chevalieri, *Arunclinella rupestris*, *A. setosa*
var. *latifolia*, *Rottboellia tonkinensis*, *Andropogon
pertusus* var. *barbatus*, *Aristida beaisii*.

Canus, A.

Note sur le *Lophatherum gracile* Brongn. (graminées)
Bull. Mus. Hist. Nat. Paris 1919. no.6. p.494-496



Bull. Mus. Hist. Nat.

Gnermezon, H.

Mariscus (cypéracées) nouveaux de Madagascar.

Bull. Mus. Hist. Nat. Paris 1919 p.300-304,
405-410. no.4-5.

Carus, A.

Quelques espèces nouvelles de graminées d'Asie

Bull. Mus. Hist. Nat. Paris 1919 p. 284-287,

Ischaemum tenuifolium, Lophopogon intermedius,
Apoecopsis cochinchinensis, Germainia thorsii

Cardot, J.

Notes sur des espèces asiatiques du genre Photinia, section Euphotinia. Bull. Mus. Hist. Nat. Paris 1919 p.398-404 no.5.

Danguy, P.

Descriptions de quatre méliacées de Madagascar

Bull. Mus. Hist. Nat. Paris 1919 p.364-366. no.5.

Turraea geayi, T. decaryana, T. humberti, T. macrantha

Fühl. Landw. Zeit.

Ehrenberg, P.

Der einfluss des bodens und der düngung auf pflanzenkrankheiten Fühl. Landw. Zeit. 68: 401-412 N.1/15, 1919. no.21/22.

B

Bull. Mus. Hist. Nat. Paris

Evrard, F.

Un Alangium (cornacées) nouveau d'Indochine.

Bull. Mus. Hist. Nat. Paris 1919 p.524-525 illus. no.6. (A. decipiens)

Gagnepain, F.

Nouveaux Begonia d'Asie; quelques synonymes

(suite) Bull. Mus. Hist. Nat. Paris 1919 p.276-282. illus. no.4.

Gagnepain, François

Vernonia nouveaux d'Indo-Chine Bull. Mus. Hist. Nat. Paris. 1919 p.487-493 no.6.

Guillaumin, A.

Contribution à la flore de la Nouvelle-Calédonie.

XXIII-XXVII. Bull. Mus. Hist. Nat. Paris 1919 p.288-295, 372-378, 499-505. no.4-6.

Jeanpert, E.

Énumération de plantes de Macédoine. Bull. Mus.

Hist. Nat. Paris 1919 p.390-398, 517-523. no.5-6.

Leconte, H.

Sapotacées recueillies à Madagascar par M. Perrier

de la Bathie. Bull. Mus. Hist. Nat. Paris 1919

p. 269-275 illus. No.4.

Sideroxylon perrieri, S. saxorum, S. collinum, S. madagascariense new species

Pellegrin, F.

Les collections botaniques récoltées par la

Mission de délimitation Congo-Français-Cameroun.

Bull. Mus. Hist. Nat. Paris 1919 p.381-386, 506-511. No.5-6. (Mostua periquetii n. sp. p.506)

Pellegrin, F.

Un curieux Sapotier à fruits en sablier, Bombax

buonopzense P. Beauv. var. guilletii Pellegrin.

Bull. Mus. Hist. Nat. Paris 1919 p.379-380 no.5. illus.

Bull. Soc. Nat. Acclim.

Bois, D.

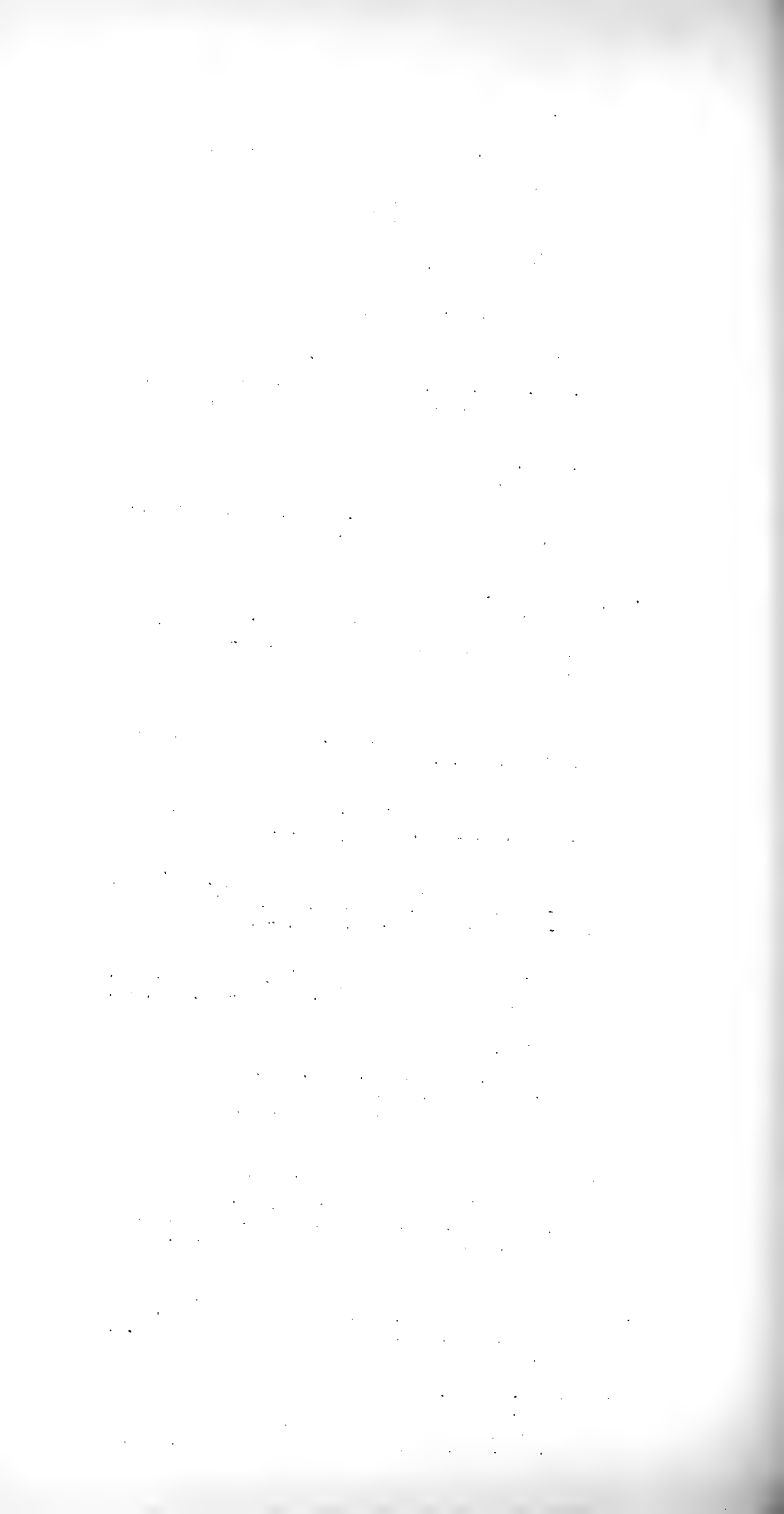
Jules Poisson (20 avril 1833-31 novembre 1919)

Bull. Soc. Nat. Acclim. France 67: 18-19 F.1920.

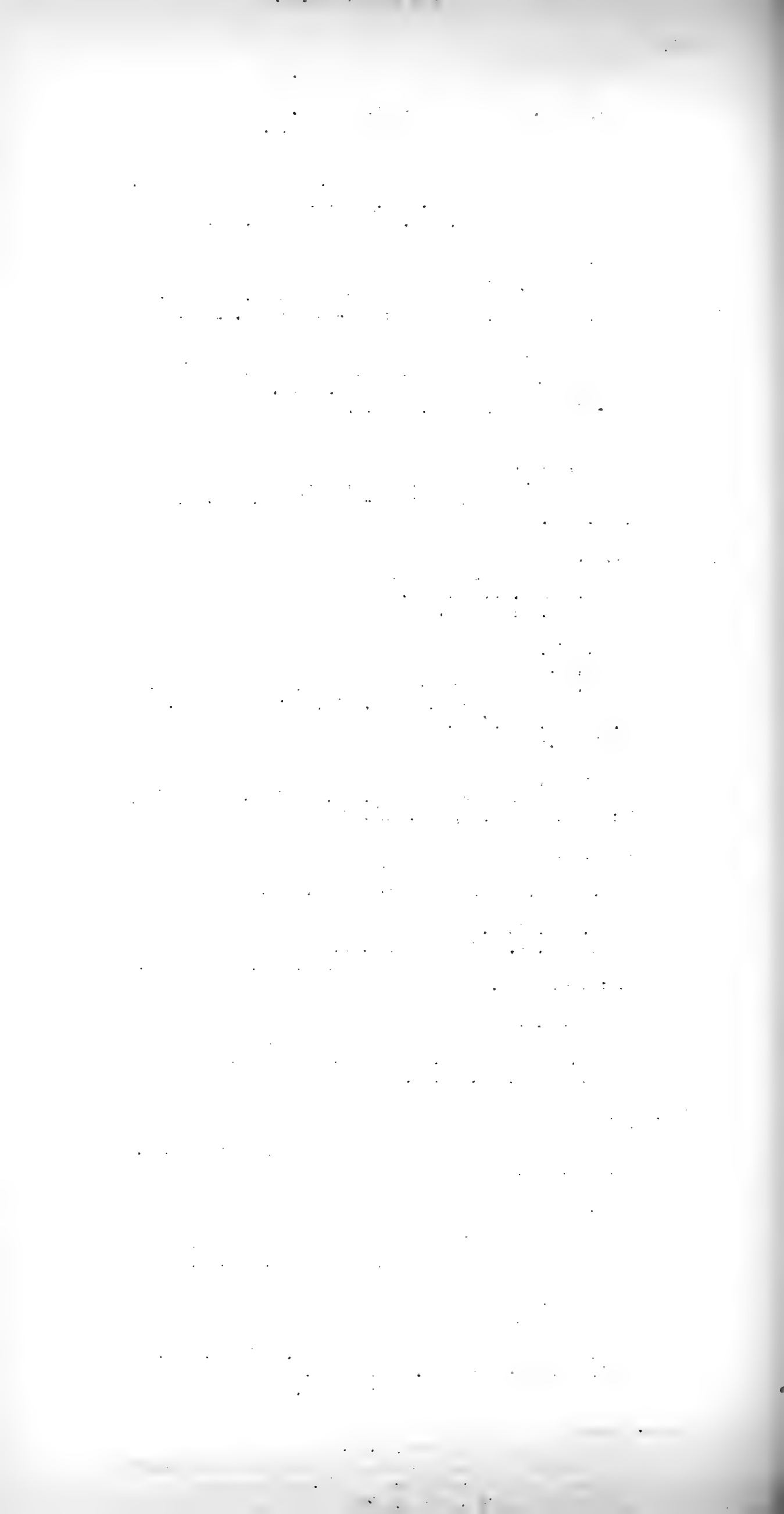
Bull. Terr. Club

Graff, Paul W.

Unreported ferns from Menatana. Bull. Terr. Club 47: 125-129 Mr.1920. No.3.

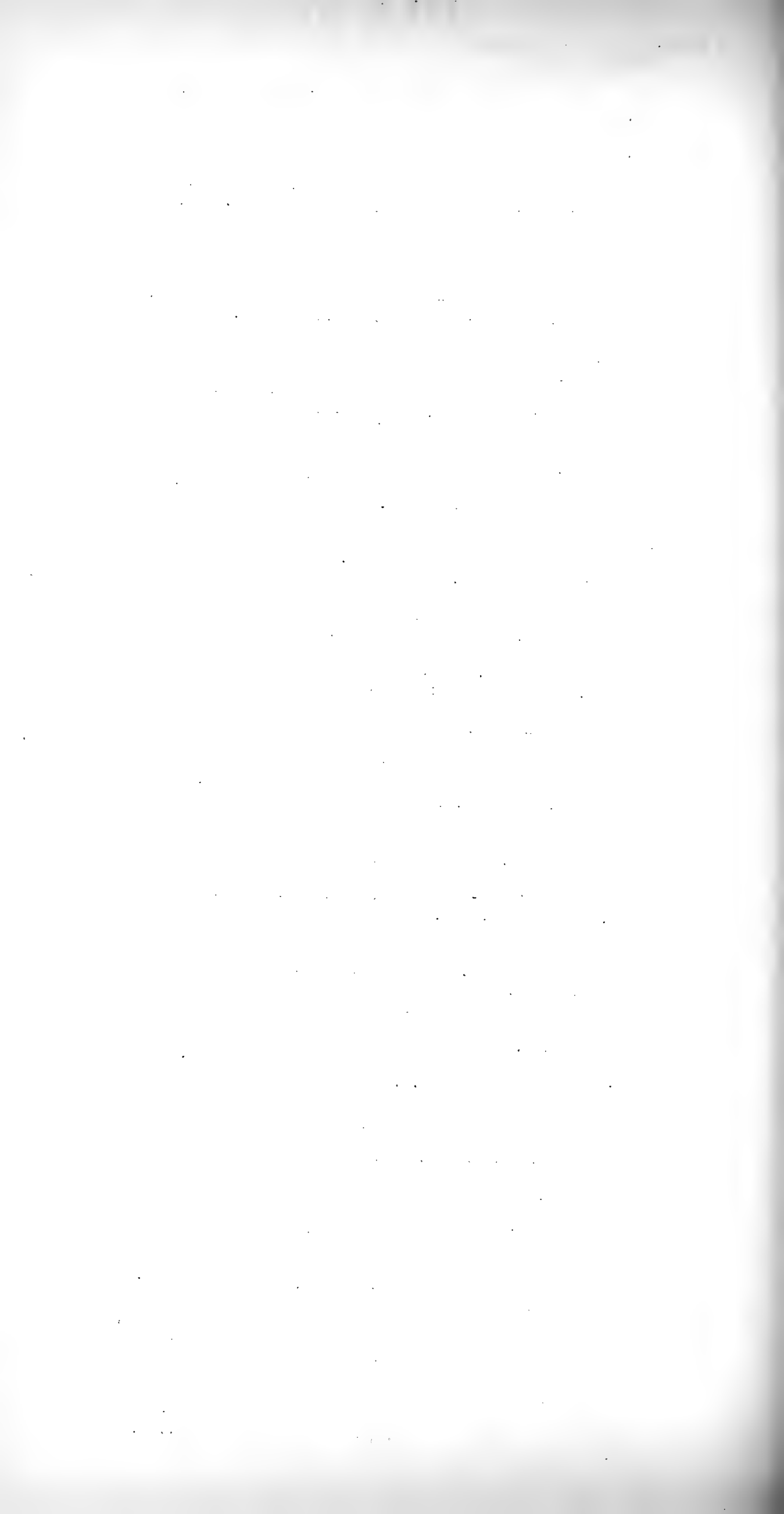


- Bull. Torr. Club
Nichols, G. E.
The vegetation of Connecticut VI. The plant associations of eroding areas along the seacoast. Bull. Torr. Club 47: 89-117. illus. Mr.1920.
Literature cited: p. 114-117 no.3.
- Schaffner, J. H.
The diecious nature of buffalo-grass. Bull. Torr. Club 47: 119-124 Mr.1920. no.3.
Papers from Dept. Bot. Ohio State Univ. no.114.
- Compt. Rend. Soc. Biol.
Guilliermond, A.
Sur la metachromatique des champignons. Compt. Rend. Soc. Biol. Paris 83: 259-263 illus. 1920. no.9.
- Mangenot, G.
Sur le chondrione et les plastes dans l'antheridie des fucacées Compt. Rend. Soc. Biol. Paris 83: 275-276 illus. 1920. no.9.
- Garden
Bowles, E. A.
A green-flowered hellebore, *Helleborus cyclophyllus* Garden 84: 131-132 illus. Mr.13, 1920. no.2521.
- C., H.
Early flowering magnolias Garden 84: 168 illus. Apr.3,1920. no.2524
illus. also on p.169
- Gard. Chron. III.
Farrer, R.
Mr. Reginald Farrer's second exploration in Asia.16 The Barenjoch Gard. Chron. III, 67: 142 illus. Mr.20,1920. no.1734.
illus. of *Rheum alexandrae*
- Hutchinson, J.
Rhododendron praevernum n. sp. Gard. Chron. III, 67: 127-138 Mr.13,1920. no.1733
- Lurie, A.
The use of wild plants in ornamental planting Gard. Chron. Amer. 24: 147-148 Ap.1920. no.4.
- Georgia Agr. Exp. Stat. Bull.
Stuckey, H. P. and Higgins, B. B.
Spraying peaches Georgia Agr. Exp. Stat. Bull. 135: 91-101 D.1919
- Stuckey, H.P.
Work with *Vitis rotundifolia*, a species of muscadine grapes. Georgia Agr. Exp. Stat. Bull. 133: 59-74 illus., 4 col. pl. D.1919
- Ind. For.
Latham, H.
Spike disease of sandal. Ind. For. 46: 155-156. Mr.1920. no.3.
- Journ. Agr. Prat.
Mottet, Seraphim
Sur la filiosité des pommes de terre. Journ. Agr. Prat. 84: 237-239 illus. Ap.1,1920. no.14.
- Journ. Agr. Sci.
Stapledon, R. G.
Seed studies: red clover with special reference to the country of origin of the seed. Journ. Agr. Sci. 10: 90-120 Ja.1920. no.1.
References to literature: p. 120.
- Journ. Bact.
Waksman, S. A. and Joffe, J. S.
Studies of the metabolism of Actinomycetes III-IV. Journ. Bact. 5: 1-30, 31-48 Ja.1920. no.1.
References p. 29-30, 47-48



- Journ. Min. Agr. Gt. Brit.
Cotton, A. D.
Clovers tan-rot (*Sclerotinia trifoliorum* Erik.)
Journ. Min. Agr. Gt. Brit. 26: 1241-1244 pl. no.12.
Mr.1920.
- Journ. N. Y. Bot. Gard.
Small, J. K.
Of grottoes and ancient dunes (cont.) Journ.
N.Y. Bot. Gard. 21: 45-54 pl. 243-244 Mr.1920.
no.243.
- Journ. Soc. Dyers & Col.
Flatters, A.
Notes on some fibre-yielding plants Journ. Soc.
Dyers & Col. 36: 76-78 2 pl. Mr.1920. no.3.
- Journ. Wash. Acad. Sci.
Metcalf, F. P.
Notes on North Dakota plants Journ. Wash. Acad.
Sci. 10: 188-198 Ap.4,1920. no.7.
- Landscape Arch.
Hamblin, S.
Gardening books for the client. Landscape Arch.
10: 121-127 Ap.1920. no.3.
- Lay, C. D.
What the nurseries should grow. Landscape Arch.
10: 149-152. Ap.1920.
- Louisiana Agr. Exp. Stat. Bull.
Edgerton, C. W. and Moreland, O. C.
Effect of fungi on the germination of sugar cane.
Louisiana Agr. Exp. Stat. Bull. 169 40 p. ix pl.
Ja.1920. (Bibliography: p. 37-39).
- Missouri Bot. Gard. Bull.

Native plants suitable for the gardens of Missouri
and adjoining states. Missouri Bot. Gard. Bull. 8:
35-46. Mr.1920. no.3.
- Mycologia
Ferdinandson, C. and Winge, O.
A *Phyllochorella* parasitic on *Sargassum*
Mycologia 12: 102-103 illus. Mr.1920. no.2.
P. oceanica sp. nov.
- Gilkey, H. M.
Two new truffles. Mycologia 12: 99-101 illus.
Mr.1920. no.2.
Tuber canaliculatum, *T. unicolor* new species
- Murrill, W. A.
Daedalea extensa rediscovered Mycologia 12:
110-111. Mr.1920. no.2.
- Murrill, W. A.
Illustrations of fungi XXXII Mycologia 12:
59-61 col. pl. 2. Mr.1920. no.2.
- Murrill, W. A.
Light-colored resupinate polypores I
Mycologia 12: 77-92 Mr.1920. no.2.
- Murrill, W. A.
Polyporus excurrens Berk. & Curt. Mycologia 12:
107-108 Mr.1920.
P. excurrens proves to be only a form of *T. rigida*,
T. serpens being thus left without a name, *T. subserpens*
is suggested by author
- Seaver, F. J.
Notes on North American Hypocreales IV. *Ascher-*
sonia and *Hypocrella*. Mycologia 12: 93-98 pl. 6.
no.2. Mr.1920.



Mycologia

Speare, A.T.

On certain entomogenous fungi I Mycologia 12:
62-72 pl.3-5 Mr.1920. no.2.

Bibliography: p. 76

I. The genus *Hirsutella* of Patouillard; II. *Synnematum Jonesii* gen. et sp. nov.

Naturw. Zeitschr. Forst- u. Landw.

Tubeuf, C. von

Ueberblick über die arten der gattung *Arceuthobium* (*Razoumowskia*) mit besonderer berücksichtigung ihrer biologische und praktischen bedeutung. Naturw. Zeitschr. Forst- u. Landw. 17: 167-273 illus. Ja./S.1919. no.6/9.

I. Zwergmisteln und hexenbesen der nadelhölzer.

II. Die zwergmisteln und ihre wirtspflanzen.

III. Biologie und pathologische wirkung der zwergmisteln.

IV. Literatur (p.271-273)

Nebr. Agr. Exp. Stat. Res. Bull.

Cromwell, R. O.

Fusarium blight of the soy bean and the relation of various factors to infection Nebr. Agr. Exp. Stat. Research Bull. 14. 43 p. illus. N.1919.

Literature cited: p. 42-43.

Parfum. Moderne.

G., E.

Les parfums d'Arabie Parfum. Moderne 13: 42-43 F.1920. no.2.

Gattefosse, J.

Myrrhis odorata Scop. Parfum. Moderne 13: 46-47 illus. F.1920. no.2.

Jahandiez, E.

Notes sur quelques anacardiacees aromatiques. Parfum. Moderne 13: 27-35 illus. F.1920. no.2.

Plant World

Duggar, B. M.

Some factors in research Plant world 22: 277-289 O.1919 [1920] no.10.

Shreve, F.

A comparison of the vegetational features of two desert mountain ranges. Plant world 22: 291-307 illus. O.1919 [1920] no.10.

Planters' Chron.

Petch, T.

Fungus diseases in Ceylon Planters' Chron. 15: 190-192, 205-208 Mr.13,20,1920. no.11-12.

Abstract of his report to the Plant Assoc. Ceylon, for 1919.

Proc. Acad. Nat. Sci. Phila.

Pennell, F. W.

Scrophulariaceae of the southeastern United States, Proc. Acad. Nat. Sci. Phila. 71: 224-291. (N./D.1919) 1920. no.3.

Queensl. Agr. Journ.

White, C. T.

Two native drought-resistant fodder plants Queensl. Agr. Journ. 13: 116-118 illus. Mr.1920. no.3.

Psoralea tenax, *Galactia tenuiflora*

Rep. Dominion Exp. Farms

Grisdale, J. H.

Report of acting dominion botanist In Rep. Dominion Exp. Farms 1918/19 p.57-61 1920.

Rep. New Hampshire Agr. Exp. Stat.

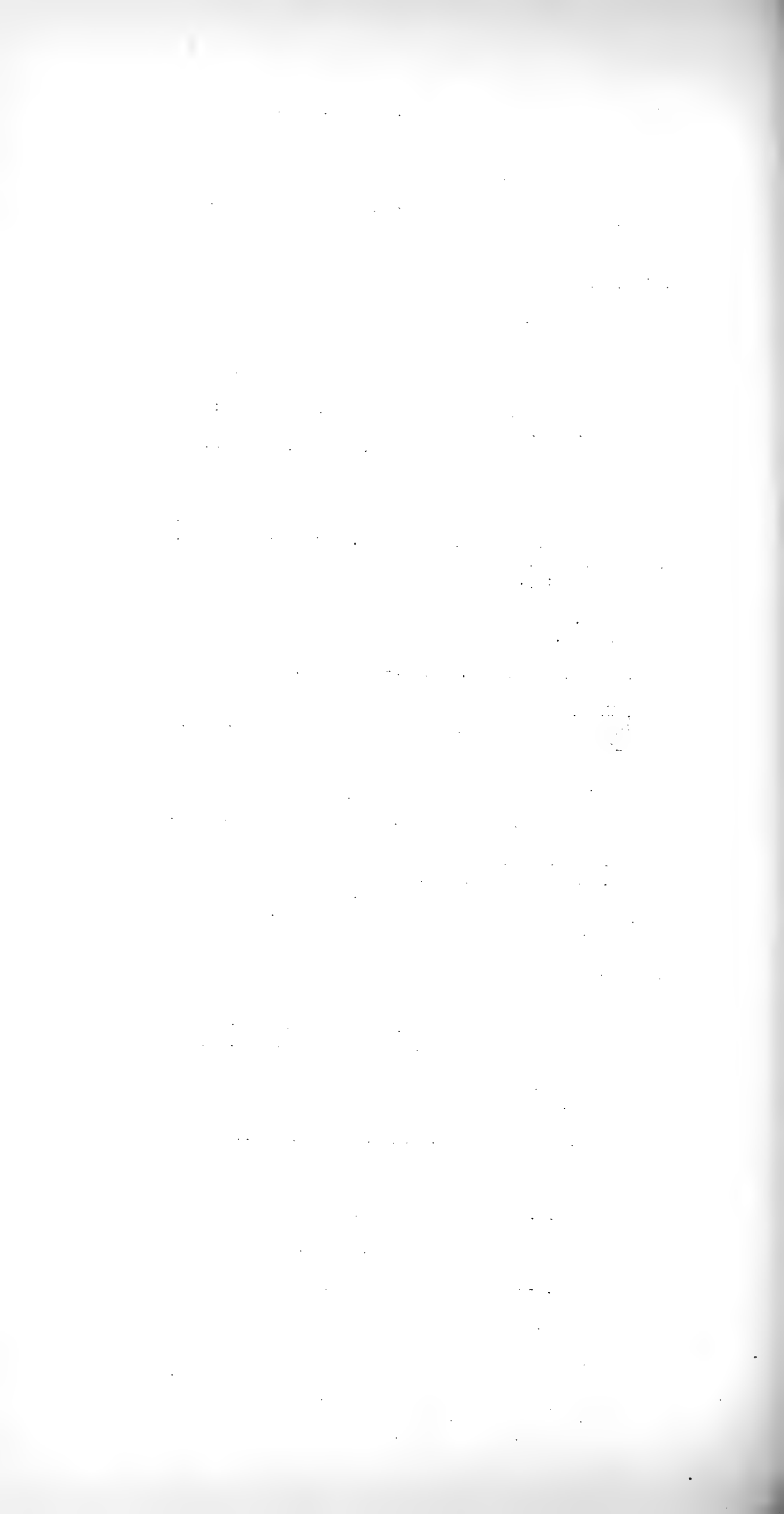
Butler, O. R.

Report of the Dept. of botany. Rep. New Hampshire Agr. Exp. Stat. for the year ending Ja,30,1918, p.17-20. Ja.1919.

- Rev. Gén. Bot.
Coupin, H.
Sur la nocivité de quelques composés au magnésium a l'égard de diverses plantes fin. Rev. Gén. Bot. 32: 78-90 1920. no.344.
- Ikeno, S.
Etudes d'hérédité sur la réversion d'une race de *Plantago major*. Rev. Gén. Bot. 32: 48-56 illus. 1920. no.374.
- Sci. Amer.
Murrill, W. A.
Plant growths that shed light Sci. Amer. 122: 427, 440 illus. Ap.17,1920. no.16.
- Popoff, M.
Artificial parthenogenesis and cell stimulants. Similarity between the regeneration of wounds and the phenomena of reproduction. Sci. Amer. Month. 1: 312-316. illus. Ap.1920.
Transl. of his article in Biol. Centralbl. v.36.
- Soil Sci.
Rudolfs, W.
Influence of sodium chloride upon the physiological changes of living trees. Soil Sci. 8: 397-425 incl. pl.1-7 N.1919[1920] no.5.
References: p. 410-411.
- Trans. Penin. Hort. Soc.
Le Cato, J. M.
The diseases of cantaloupes and their control Trans. Penin. Hort. Soc. 32: 61-64 1919.
- Manns, T. F.
Fungus diseases 1918 Trans. Penin. Hort. Soc. 32: 70-75 1919
- Temple, C. E.
Progress in the control of wilt and blight of tomatoes. Trans. Penin. Hort. Soc. 32: 65-69. 1919.
- Wash. Agr. Exp. Stat. Pop. Bull.
Dana, B. F. and Zundel, G.L.
Head smut of corn and sorghum. Wash. Agr. Exp. Stat. Pop. Bull. 119 [6] p. illus. F.1920.
Sphacelotheca reiliana
- Zeitschr. Obst- u. Gartenb.
Neger, F. W.
Ueber eine merkwürdige schädigung des obstes (apfel) durch saure rachugase. Zeitschr. Obst- u. Gartenb. n.f., 45: 177-179. illus. 1919. no.12.
- U. S. Dept. Agr. Circ.
Meier, F. C.
Control of watermelon anthracnose by spraying. U. S. Dept. Agr. Circ. 90. 11 p. illus. Mr.1920.

RECENT BOOKS.

- 463.D43 Densmore, H.D. -- General botany. 1920.
- 463.E15 Ellis, G.S.M. -- Applied botany. 1919.
- 462.L69My Lister G. -- The mycetozoa 1918.
- 464.4 Schaffnit, E.
Schl
Aufgaben ziele und volkswirtschaftliche bedeutung der praktischen pflanzenschutz. Nach einem vortrag gehalten auf dem verbandstage landlicher genossenschaften e. v. Boblenz am 10. September 191 in Cöln. [Newweid, 1919]
8 p. f.oll. map 24cm.
- 452.1 Willis, J. C.
W67
Dictionary of flowering plants and ferns. 1919.



98.W83

Wolseley, F. G., Viscountess
Gardens, their form and design. 1919.

Osborn, T. G. B.

Annual report of the consulting botanist and
vegetable pathologist 1917/18-18/19 Reprinted
from Ann. Rep. Minister Agr. Sc. Austr. 1917/18-
18/19 1918-19 2 nos. (3 p. each)

Ferdinandsen, C. & Rostrup, Sofie

Oversigt over sygdomme hos landbrugets og have-
brugets kulturplanter i 1918 Reprinted from
Tidsskr. Planteavl. v.26, p. 623-733 1919.



Library, Bureau of Plant Industry
Current Author Entries, 1920, List 30.
Indexed - Apr. 26-May 8, 1920.

Agr. Gaz. Canada

Murphy, P. A.

Potato inspection service in 1919 Agr. Gaz.
Canada 7: 308-310 Ap.1920. no.4.

Agr. Colon.

Maugini, A.

Appunti sulla vegetazione della Cirenaica e sulla
sua utilizzazione agraria 3. Agr. Colon. 14: 116-
129 pl. F./Mr.1920. no.2/3.

Amer. Fern Journ.

Fitzpatrick, T. J.

The fern flora of Nebraska I Amer. Fern
Journ. 10: 5-15 Ja./Mr.1920. no.1.
Contr. Dept. Bot. Univ. Nebr. no.30.

Lewis, C. S.

The Woodsias of Quebec. Amer. Fern. Journ. 10:
23-25 Ja./Mr.1920. no.1.

Maxon, W. R.

Notes on American ferns XV Amer. Fern Journ.
10: 1-4 Ja./Mr.1920. no.1.

Wherry, E. T.

The soil reactions of certain rock ferns I
Amer. Fern Journ. 10: 15-22 Ja./Mr.1920. no.1.

Amer. Fer.

Putnam, B. L.

Among the trilliums. Amer. For. 26: 272. no.317.
My.1920.

Putnam, B. L.

The wild flower garden. Amer. For. 26: 288-290.
illus. My.1920. no.317.

Amer. Nut Journ.

Morris, R. T.

Hazel nuts. Amer. Nut Journ. 12: 57. illus.
Ap.1920. no.4.
Hazel blight (*Cryptosporella anomala* Sacc.)

Amer. Rose Ann.

Gersdorff, C. E. F.

A list of roses introduced in America. Amer. Rose
Ann. 1920, p.169-185. 1920.

Ann. Bot.

Bailey, M. A.

Puccinia malvacearum and the mycoplasma theory
Ann. Bot. 34: 173-200 illus. Ap.1920. no.134.

Bewş, J. W.

Plant succession and plant distribution in South
Africa Ann. Bot. 34: 287-297 Ap.1920. no.134.
Bibliography: p. 297.

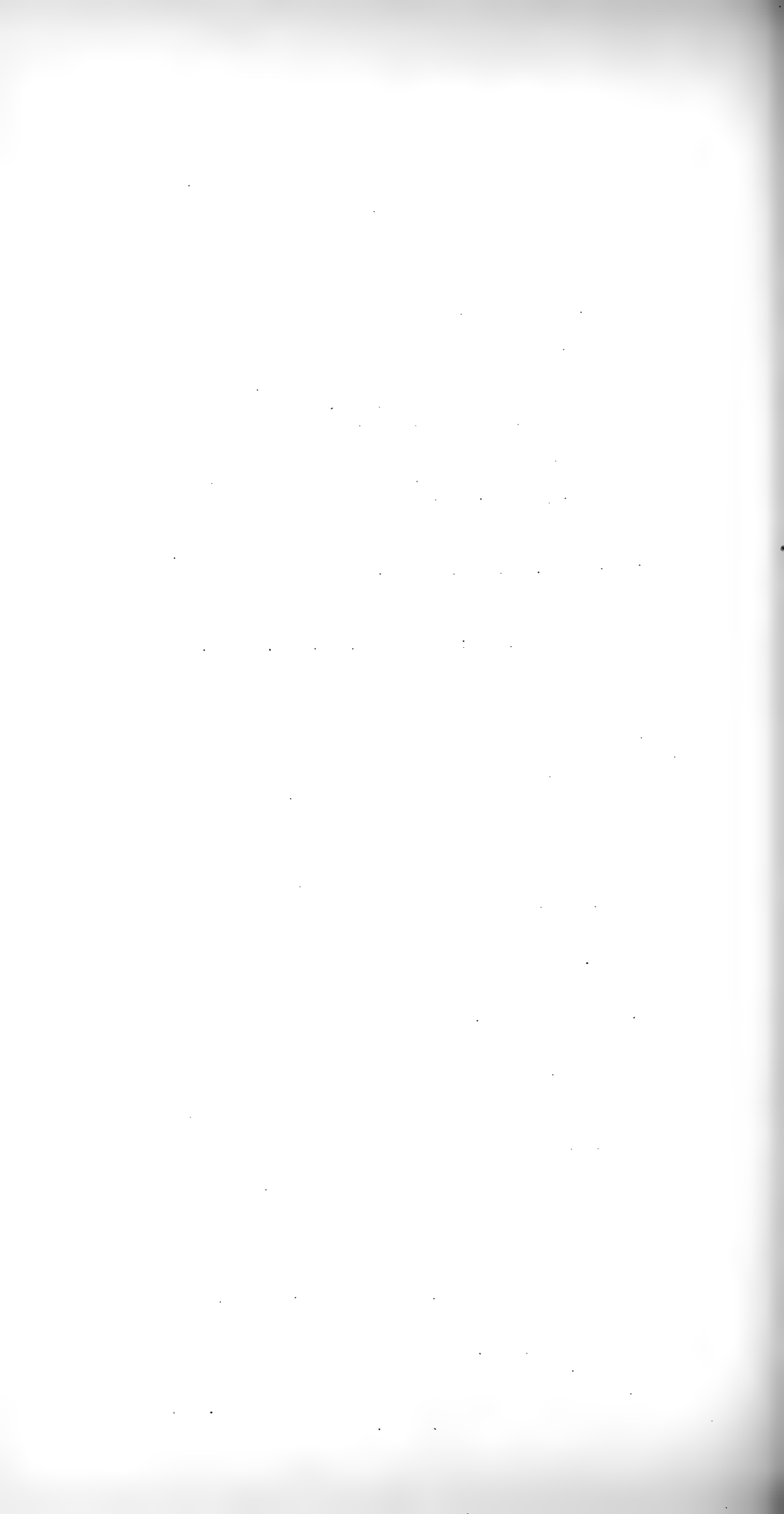
Wormald, H.

The "brown rot" diseases of fruit trees, with
special reference to two biologic forms of *Monilia*
cinerea; Bon. II Ann. Bot. 34: 143-171 pl.
iv-v Ap.1920. no.134.

Annuaire Cons. & Jard. Bot.

Briquet, J. I.

Les collections botaniques du botaniste espagnol
José Quer (1695-1764) Annuaire Cons. & Jard.Bot.
20: 465-478 illus. (incl. port.) 1919



Annuaire Cons. & Jard. Bot. Genève

Briquet, J. I.

Notice sur la vie et les travaux botaniques de Louis Naville (1843-1916) Annuaire Cons. & Jard. Bot. Genève 20: 215-221. port. 1919.

Focke, W. O.

Rubi generis species novae exoticae Annuaire Cons. & Jard. Bot. Genève 20: 103-106 1919

Hassler, E.

Aspicarpa, Gaudichaudia, Canares, Jamusia, adjectis nonnullis notulis de Malpighiaceis paraguayensibus. Annuaire Cons. & Jard. Bot. Genève 20: 203-214. 1919.

Hassler, E.

Bromeliacearum paraguayensium conspectus Annuaire Cons. & Jard. Bot. Genève 20: 268-341 illus. 1919.

Hassler, E.

Solanaceae austro-americanae imprimis paraguayensis Annuaire Cons. & Jard. Bot. Genève 20: 173-189 illus. 1919.

Hochreutiner, B. P. G.

Malvacées de Madagascar de l'herbier Perrier de la Bathie Annuaire Cons. & Jard. Bot. Genève 20: 69-102 1919

Hochreutiner, B. P. G.

Monographia generis Anodae Annuaire Cons. & Jard. Bot. Genève 20: 29-68 1919

Hochreutiner, B. P. G.

Notulae in malvaceis interjectis descriptionibus specierum et varietatum novarum praesertim ex herbario Delessertiano. Annuaire Cons. & Jard. Bot. Genève 20: 107-172 1919

Hochreutiner, B. P. G.

Theaceae novae Annuaire Cons. et Jard. Bot. Genève 20: 190-194 1919

Schinia mairei, Ternstroemia minoriflora, T. hedgesleyi

Stuckert, T.

Contribuciones à la connaissance de la flore Argentino III. Enumération des valérianées de l'Argentine. IV. Catalogue des oxalidacées de l'Argentine. Annuaire Cons. & Jard. Bot. Genève 20: 423-464. 1919.
J. I. Briquet joint author no. III

Ann. Rep. Purdue Agr. Exp. Stat. Ind.

Jackson, H. S.

[Report of department of] botany Ann. Rep. Purdue Agr. Exp. Stat. Indiana 32(1918/19): 19-25 illus. 1919.

Arkansas Agr. Exp. Stat. Bull.

Rosen, H. R.

The mosaic disease of sweet potatoes. Arkansas Agr. Exp. Stat. Bull. 167 10 p. v pl. on 3 Ap. 1920
List of references: p.9

Atti R. Accad. Lincei V. Rend. Cl. Sci. Fis., Mat. e Nat.

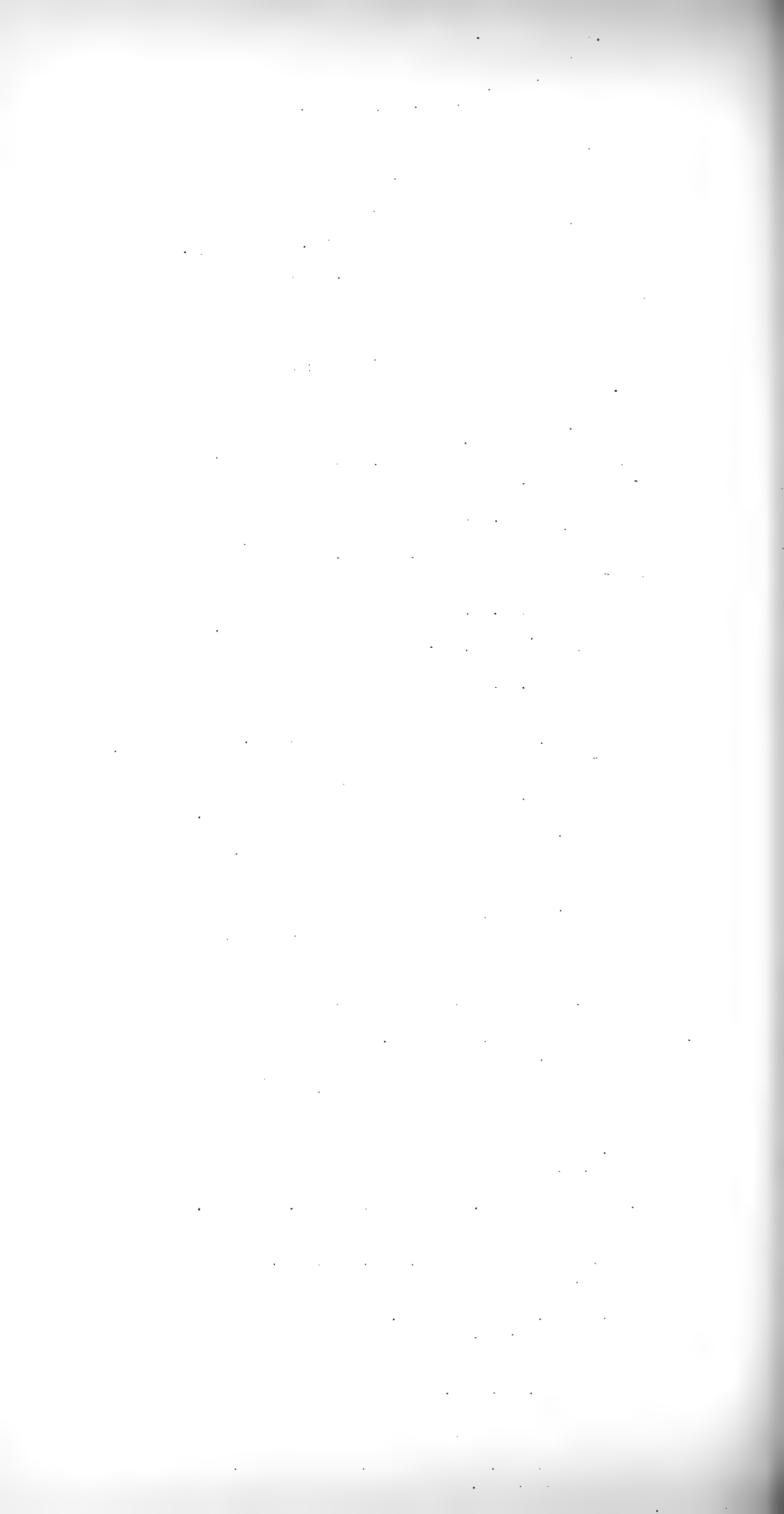
Borzi, [A.]

Commemorazione del compianto socio Giovanni Briosi Atti R. Accad. Lincei V, Rend. Cl. Sci. Fis., Mat. e Nat. 29(1): 118-123. 1920.
b. 29, April 1846, a. 20 July, 1919

Beih. Bot. Centralbl. I. Abt.

Graser, M.

Untersuchungen über das wachstum und die reizbarkeit der sporangienträger von Phycomyces nitens. Beih. Bot Centralbl. I. Abt. 36: 411-493. D. 1919. no. 3.
Literatur, p. 493.



Beih. Bot. Centralbl.

Schenck, E.

Die fruchtkörperbildung bei einigen Bolbitius- und Coprinusarten. Beih. Bot. Centralbl. I. Abt.

36: 355-413. pl. iv-vii. D.1919. no.3.

Literaturverzeichnis, p.411.

Biochem. Zeitschr.

Staehelein, M.

Die rolle der oxalsäure in der pflanze. Enzymatischer abbau des oxalations. Biochem. Zeitschr.

96: 1-49 Jy.1919. no.1/3

Literaturverzeichnis: p. 47-49

Bol. Min. Agr. Ind. e Comm. Brazil

Barbosa Rodrigues, J. jr.

A morte das roseiras em Belém do Pará. Bol.

Min. Agr. Ind. e Comm. Brazil 7: 67-72 1919

Bot. Gaz.

Arber, A.

Leaf-base phyllodes among the Liliaceae Bot.

Gaz. 69: 337-340 illus. Ap.1920. no.4.

Literature cited: p. 340

Duff, G. H. †

Development of the Geoglossaceae Bot. Gaz. 69:

341-346 Ap.1920. no.4

Goodspeed, T. H. and Crane, M. P.

Chromosome number in the sequoias. Bot. Gaz. 69:

348-349 Ap.1920. no.4.

Haupt, A. W.

Life history of Fossonbronia cristula Bot. Gaz.

69: 318-331 pl. xvi-xix Ap.1920. no.4.

Literature cited: p. 329-330

Contr. Hull Bot. Labor. 264

Johnson, D. S.

The Cinchona Station. Bot. Gaz. 69: 347-348

Ap.1920. no.4.

Overholser, E. L. and Taylor, R.H.

Ripening of pears and apples as modified by extreme temperatures. Bot. Gaz. 69: 273-296. Ap.1920. no.4. (Literature cited: p. 295-296.)

Noyes, H. A. and Weghorst, J. H.

Residual effects of carbon dioxide gas additions to soil on roots of Lactuca sativa. Bot. Gaz. 69: 332-336 illus. Ap.1920. no.4

Contr. Purdue Univ. Agr. Exp. Stat.

Snow, L. M.

Diaphragms of water plants II. Effect of certain factors upon development of air chambers and diaphragms.

Bot. Gaz. 69: 297-317. Ap.1920. no.4.

Literature cited: p. 317

Bot. Mag. Tokyo

Yasuda, A.

Eine neue art von Pterula. Bot. Mag. Tokyo 34:

15-16 illus. F.1920. no.398.

Bull. Agr. Inst. Sci. Saigon

Miéville, R.

Note sur le théier sauvage du phou-sang région dy Tranninh (Haut-Laos) Bull. Agr. Inst. Sci. Saigon

2: 87-90 Mr.1920 no.3.

Vernet, G. and Xalomon, X.

Notes sur le Fourcroya gigantea Vent. Bull. Agr.

Inst. Sci. Saigon 2: 80-87 2 pl. Mr.1920. no.3.

Bull. Dept. Agr. East Africa Protect.

Dowson, W. J.

Wheat in East Africa. Bull. Dept. Agr. East Africa Protect. 4. 16 p. 1919.

Review by W. E. Turrill. Bull. Misc. Inform. Kew, 1920, p.78-79.

- Bull. Dep. Landw. Suriname
Stahel, G.
Bijdrage tot de kennis der krullotenziekte
Bull. Dep. Landw. Suriname 39 34 p. viii pl.
D.1919. (Literatuur-opgave: p.32.)
- Bull. Dept. Agr. Trinidad & Tobago
Nowell, W.
A root disease of cacao in Trinidad, *Rosellinia*
pepo, with an introductory note by W. G. Freeman.
Bull. Dept. Agr. Trinidad & Tobago 18: 178-199
3 pl. 1919 no.4.
- Bull. Misc. Inform. Kew
Bean, W. J.
Taiwania cryptomerioides, Hayata. Bull. Misc.
Inform. Kew, 1920, p.72. Mr.1920. no.2.

Decades Kewenses XCV. Bull. Misc. Inform. Kew,
1920, p. 66-71. Mr.1920. no.2.

Gamble, J. S.
Notes on the flora of Madras. Bull. Misc. Inform.
Kew, 1920, p.49-57. Mr.1920. no.2.

Holland, J. H.
Brazil wood. Bull. Misc. Inform. Kew, 1920,
p. 79-90. Mr.1920.

Sprague, T. A.
Bluff et Fingerhuth, *Compendium florae germanicae*.
ed.2. Bull. Misc. Inform. Kew, 1920, p.72-74.
Mr.1920. no.2.
Signed: T. A. S.
Names pub. in 2d ed. not included in Index Kewe-
ensis.

Turrill, W. B.
Botanical exploration in Chile and Argentina.
Bull. Misc. Inform. Kew, 1920, p.57-66. Mr.1920.
- Bull. Soc. Chim. Biol.
Brinel, M.
Sur la présence de gentianose et du saccharose
dans les espèces du genre "Gentiana" Bull.Soc.
Chim. Biol. 2: 37-41. Ja./F.1920. no.1.
- Canada Exper. Farms Bull.
Fyles, F.
Principal poisonous plants of Canada. Canada
Exper. Farms Bull. s.2, no.39, xi, 112 p. illus.,
col. plates 1920
Bibliography, p.105-106
- Canad. Field Nat.
Odell, W. S.
A rare fungus new to Canada Canad. Field Nat.
34: 10-13 illus. Ja.1920. no.1.
Morchella bispora
- Compt. Rend. Acad. Sci. Paris
Blazinghem, L.
Production par traumatisme d'une forme nouvelle
de maïs à caryopses multiples, *Zea mays* var. poly-
sperma. Compt. Rend. Acad. Sci. Paris 170: 677-
679 1920. no.11.

Coupin, H.
Sur le temps que la chlorophylle met à se déve-
lopper à son maximum d'intensité à la lumière
Compt. Rend. Acad. Sci. Paris 170: 753-754.1920.no.12.
- Dangeard, P. A.
La structure de la cellule végétale et son méta-
bolisme. Compt. Rend. Acad. Sci. Paris 170:
709-714. 1920. no.12.

Compt. Rend. Acad. Sci. Paris

Guilliermond, A.

Sur les éléments figurés du cytoplasme. Compt. Rend. Acad. Sci. Paris 170: 612-615 illus. no.10. 1920

Magrou, J.

Immunité des plantes annuelles vis-à-vis des champignons symbiotiques. Compt. Rend. Acad. Sci. Paris 170: 613-618 1920. no.10

Nicolas, G.

Sur respiration des plantes parasitées par des champignons Compt. Rend. Acad. Sci. Paris 170: 750-752 1920. no.12.

Compt. Rend. Soc. Biol. Paris

Guillienmond, A.

Observation vitale du chondriome des champignons. Compt. Rend. Soc. Biol. Paris 83: 404-408 illus. no.12. 1920.

Guilliermond, A.

Sur la coexistence dans la cellule végétale de deux variétés distinctes de mitochondries. Compt. Rend. Soc. Biol. Paris 83: 408-411 illus. 1920. no.12.

Guilliermond, A.

Sur l'origine des vacuoles dans les cellules de quelques racines. Compt. Rend. Soc. Biol. Paris 83: 411-414 illus. 1920. no.12.

Warmser, R.

L'action de la lumière sur la chlorophylle colloïdale en présence de stabilisateurs. Compt. Rend. Soc. Biol. Paris 83: 437-438 1920. no.12.

Flower Grower.

Christnan, W. F.

Some of the newer peonies. Flower Grower, 7: 79-81. illus. My.1920

Garden

Bunyard, E. A.

The moon and horticulture. Garden 84: 186 Ap.10,1920. no.2525.

Gard. Mag.

Wilson, E. H.

The romance of our trees VIII. The nut bearers of the north Gard. Mag. 31: 194-198 illus. no.3. My.1920

Gard. Chron. III

Arnott, S.

Lirarias. Gard. Chron. III, 67: 184. Ap.10, 1920. no.1737.

Grove, A.

Lilies in 1919 Gard. Chron. III, 67: 180-181. illus. no.1737. Ap.10,1920.

Ragionieri, A.

The tulips of Florence Gard. Chron. III, 67: 181 Ap.10,1920. no.1737.

Richmond, I. L.

Moraea iridioides johnsonii Gard. Chron. III, 67: 165 illus. Ap.3,1920. no.1736

Sturtevant, R. S.

Hybridising bearded irises Gard. Chron. III, 67: 184 Ap.10,1920. no.1737.

Ward, F. K.

Plant collecting in Inaw Bum I Gard. Chron. III, 67: 168. Ap.3,1920. no.1736.



Hawaiian For. & Agr.

Judd, C. S.

The Australian red cedar Hawaiian For. & Agr.
17: 57-59 pl. Mr.1920. no.3.
Cedrela australis

Rock, J. F.

The poisonous plants of Hawaii. Hawaiian For.
& Agr. 17: 59-62. Mr.1920. no.3.
Vernacular names

Journ. Bot.

Lester-Garland, L.V.

The botany of the Moroccan middle Atlas. Journ.
Bot. 58: 97-101. Ap.1920. no.688.

Wernham, H. F.

Tropical American rubiaceae XIII Journ. Bot.
58: 105-108 Ap.1920. no.688.

Wolley-Ded, A. H.

A revised arrangement of British roses Journ.
Bot. 58: (Suppl.): 1-8, no.688 Ap.1920

Journ. New York Bot. Gard.

Britton, N. L.

About Paulownia trees. Journ. New York Bot. Gard.
21: 72-73 Ap.1920. no.244.

Louisiana Planter

Fawcett, G. L.

The yellow stripe or mosaic disease in the Argentine.
Louisiana Planter, v.44, no.3, p.41. Ja.17, 1920.
Reprinted. Agr. News West Ind. 19: 110. Ap.3, 1920.

Mem. Dept. Agr. India Bot. Ser.

Howard, A., Howard, G.L.C. & Khan, A.R.

Studies in the pollination of Indian crops I
Mem. Dept. Agr. India Bot. Ser. v.10, no.5 p.195-220,
illus., v pl. (partly col.) D.1919.

Subramaniam, L.S.

A Pythium diseases of ginger, tobacco and papaya
Mem. Dept. Agr. India Bot. Ser. v.10, no.4 p.181-194
vi pl. (partly col.) D.1919
Pythium butleri n. sp.

Monatsschr. Kakteenk.

Bödeker, F.

Mamillaria hirsuta Böd. spec. nov. Monatsschr.
Kakteenk. 29: 130-132 illus. N.1919. no.11

Quehl, L.

Echinocactus rettigii Quehl spec. nov. Monatsschr.
Kakteenk. 29: 129. N.1919. no.11.

Vaupel, F.

Aus der alten kakteenliteratur (cont.) Monatsschr.
Kakteenk. 29: 127-128, 140-144 1919. no.11-12.
Matthioli, Acosta

Vaupel, F.

Melocactus hispaniolicus Vpl. spec. nov.
Monatsschr. Kakteenk. 29: 121. N.1919. no.11.

Weingart, W.

Cereus jusbartii Reb. und *Cereus bonplandii* Parm.
var. *brevispinus* Gruson. Monatsschr. Kakteenk. 29:
121-124 N.1919. no.11.

Weingart, W.

Cereus repandus Haw. und verwandte Monatsschr.
Kakteenk. 29: 85-93. Ag.1919. no.8.

Nat. Geogr. Mag.

Krieger, L. C. C.

Common mushrooms of the United States Nat. Geogr.
Mag. 37: 387-439 illus., (incl. xvi col. pl.) My.1920.
no.5.

Nat. Nurseryman

Galloway, Beverly T. *
Tests of new pear stocks. Nat. Nurseryman,
28: 109-111. My.1920. no.5.

New Phytol.

Dufrenoy, J.
The occurrence of Actinomyces -like endotrophic
mycorrhiza. New Phytol. 19: 40-43 illus. no.1/2.
Ja./F.1920. (Literature: p. 43)

Gates, R. R.
Mutations and evolution. New Phytol. 19: 26-34
Ja./F.1920. no.1/2.

Ghose, S.L.
Campylonema lahorensis, a new member of Scytone-
maceae New Phytol. 19: 35-39 illus. no.1/2.
Ja./F.1920. (References: p.39)

Tansley, A.G.
The evolution of plants New Phytol. 19: 1-10
Ja./F.1920. no.1/2.
Review of A.H.Church's Thalassiophyta and the
subaerial transmigration Oxford Bot. Mem. no.3. 1919.

New Zeal. Journ. Agr.

Atkinson, E.
Weeds and their identification. Perennial sow-thistle
(Sonchus arvensis) New Zeal. Journ. Agr. 20: 168-
171. illus. no.3. Mr.1920.

Cockayne, A.H.
Fire-blight. A serious disease of fruit-trees.
New Zeal. Journ. Agr. 20: 156-157. Mr.1920. no.3.
See also p.181-182.

Waters, E.
Take-all disease in wheat. Incidence in New Zealand.
New Zeal. Journ. Agr. 20: 137-143. illus. Mr.1920.
no.3. (Fig 3: Diagrams of fungus Ophiobolus graminis.)

Philipp. Journ. Sci.

Burkill, I. H.
The genus Gordonia in the Philippine Islands.
Philipp. Journ. Sci. 15: 475-478 N.1919 [Mr.1920]
no.5.
G. subclavata, G. benguetica, G. polisana n.sp.

Merrill, E.D.
Additions to the flora of Guam. Philipp. Journ.
Sci. 15: 539-544 D.1919 [1920] no.6.

Reinking, O.A.
Higher Basidiomycetes from the Philippines and
their hosts I Philipp. Journ. Sci. 15:
479-490 N.1919 [Mr.1920] no.5.

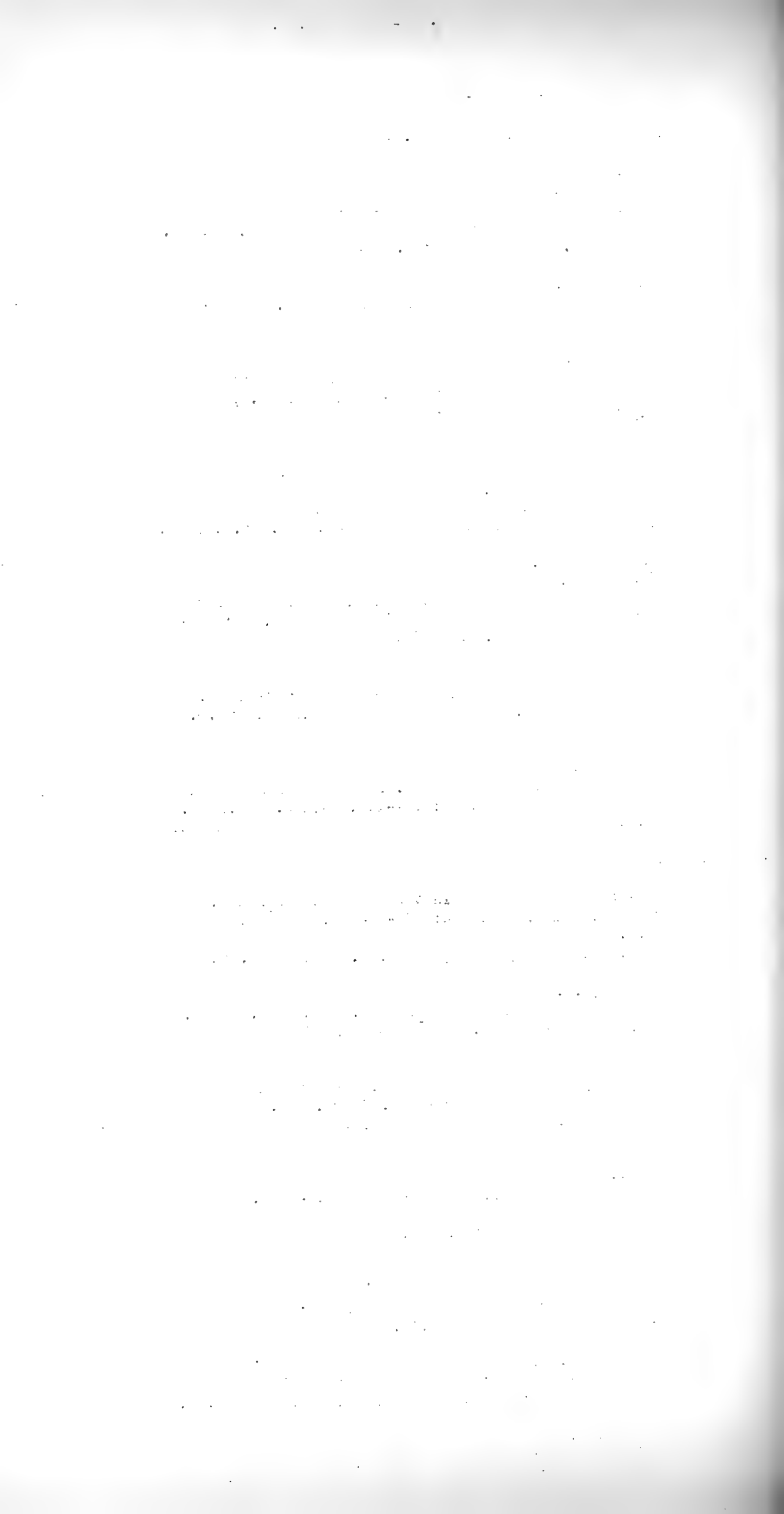
Shaw, W. R.
Campbelllosphaera, a new genus of the Volvocaceae
Philipp. Journ. Sci. 15: 493-520 pl.i-ii D.1919
[Mr.1920] no.6.
Literature cited: p. 517.

Plant World

Church, M. B.
Root contraction. Plant world 22: 337-340
illus. N.1919[1920] no.11.

Johnston, E. S.
Nutrient requirement of the potato plant
Plant world 22: 329-336 illus. N.1919[1920] no.11.

Ramsley, F.
Some mountain plant communities of sandy soil
Plant world 22: 313-328 N.1919[1920] no.11.
Literature cited: p. 328



Potato Mag.

Coons, G.H.

How to treat seed potatoes. Potato Mag.
v.2, no.9, p.8-9, 22, 30, 32. illus. Mr.1920.
no.9.

Proc. Nat. Acad. Sci.

Jones, D. F.

Selective fertilization in pollen mixtures
Proc. Nat. Acad. Sci. 6: 66-70 F.1920. no.2.

Quart. Journ. For.

Groom, P.

Brown oak Quart. Journ. For. 14: 103-109
Ap.1920. no.2.

"Brown oak owes its origin to the activities of
one kind of fungus at least"

Rec. Bot. Surv. India

Blatter, E.

Flora arabica pt.L Ranunculaceae to Moringaceae.
Rec. Bot. Surv. India v.8, no.1. 1919.

Rec. Trav. Bot. Néerl.

Gäumann, E.

Studien über die entwicklungsgeschichte einiger
Saxifragales. Rec. Trav. Bot. Néerl. 16: 285-320.
illus. 1919. no.3/4.

Citierte literatur: p. 321-322

Marel, J. P. van der

La perméabilité sélective du tégument séminal.

Rec. Trav. Bot. Néerl. 16: 243-284 1919. no.3/4.

Bibliographie: p. 281-284

Rec. Trav. Bot. Néerl.

Pekelharing, C.A.

Some remarks on enzymes Rec. Trav. Bot. Néerl.
16: 207-242 1919. no.3/4.

Rev. Agr. Puerto Rico

Stevenson, J.A.

Enfermedades del citro en Puerto Rico (cont.)

Rev. Agr. Puerto Rico v.4, no.3, p.34-46 Mr.1920.

Rev. Sci.

Blaringham, L.

L'Arnold arboretum, collections de plantes vi-
vantes de l'Universite; Harvard (Etats-Unis) Rev.
Sci. 53: 167-172 Mr.1920.

Rhodora

Fernald, M. L.

The American varieties of *Pyrola chlorantha*.

Rhodora 22: 49-53 Mr.1920. no.255

Fernald, M.L.

Scirpus acutus Muhl. Rhodora 22: 55-56 no.255.
Mr.1920.

Lownes, A.E.

Notes on *Pogonia trianthophora*. Rhodora 22:
53-55 illus. Mr.1920. no.255.

Wherry, E. T.

Soil tests of Ericaceae and other reaction-sensi-
tive families in northern Vermont and New Hampshire
Rhodora 22: 33-49 Mr.1920. no.255

Schweiz. Apoth. Zeit.

Osterwalder, R.

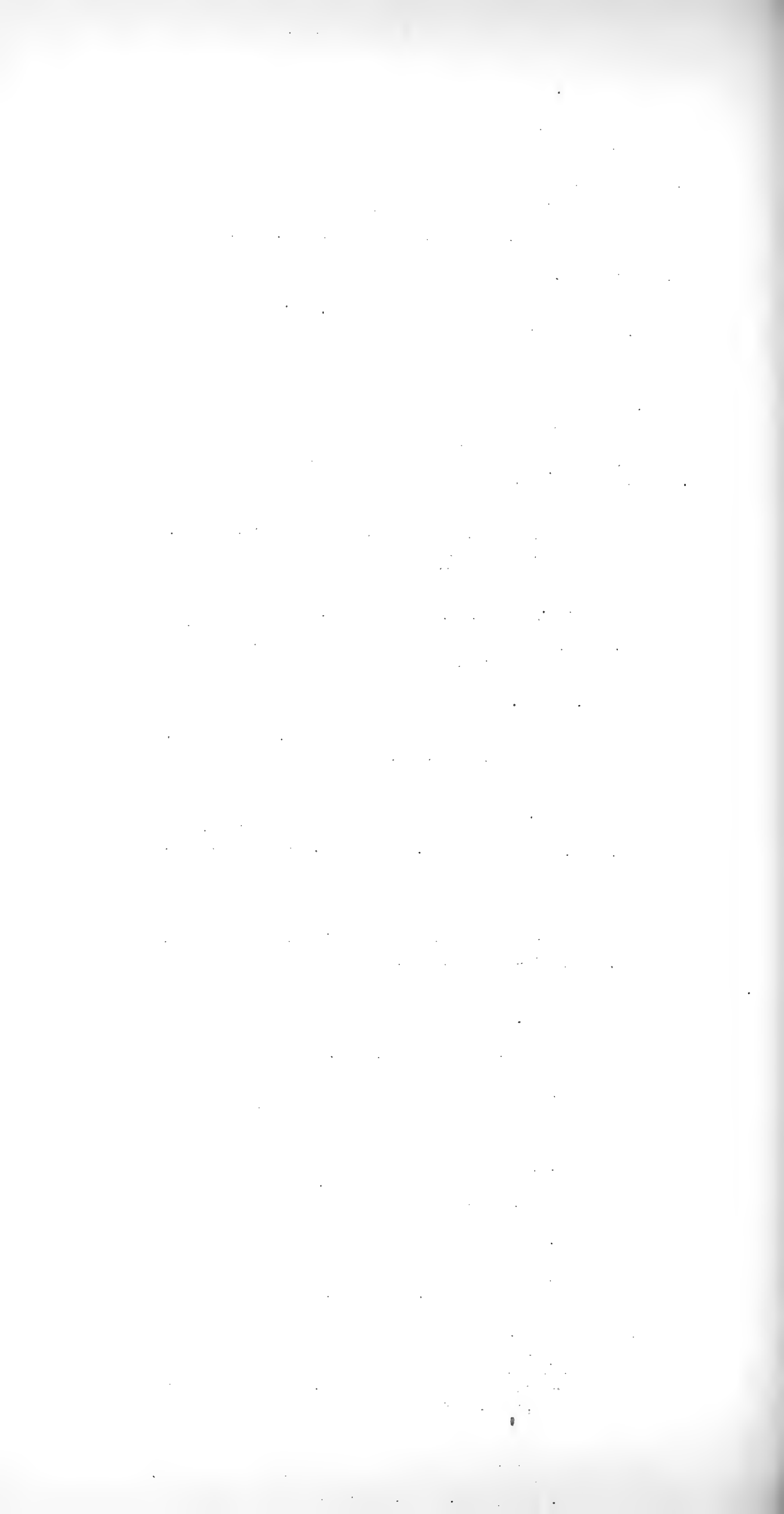
Beiträge zur kenntnis pharmazeutisch wichtiger
Gentiana-Wurzeln. Schweiz. Apoth. Zeit. 58: 201-
207. Ap.15,1920. no.16.

Science

Blakeslee, A.F.

Sexuality in mucors Science 51: 375-382, 403-
409 Ap.16,23,1920. nos.1320-21.

Bibliography: p. 409



Science

Stone, W.

The use and abuse of the genus .Science 51:
427-429 Ap.30,1920. no.1722.

Scottish Journ. Agr.

Findlay, W. M.

Potato synonyms. Scottish Journ. Agr. 3: 202-
207. Ap.1920.

Ravn, F. K.

Experiments in plant culture in Denmark. Organi-
sation and aims. Scottish Journ. Agr. 3: 207-214.
Ap.1920

Soil Sci.

Shive, J. W.

The influence of sand upon the concentration and
reaction of a nutrient solution for plants. Soil Sci.
9: 169-179 Mr.1920. no.3.

References: p.179

South African Gard.

Nelson, W

Pelargonium zeyheri (Harv.) South African Gard.
10: 169. illus. Ap.1920. no.4.

Sweden, Centralanstalten för Jordbruksförsök, Flygblad

Henning, E.

Atgärder mot set hos havre och korn. Sweden, Central-
anstalten för Jordbruksförsök, Flygblad 72. 4 p. illus.
Mr.1920.

Tijdschr. Plantenz.

Bestrijding van schurftziekte bij appelen en peren.

Tijdschr. Plantenz. 26: 108. Mr.1920. no.3.

Berichten van den Phytopathologischen dienst. No.13.
Maart 1920. no.3.

Umschau

Mathiszig, H.

Pfropfbastarde Umschau 23: 787-792 illus.
N.29,1919. no.48.

Schanz, F.

Einfluss des lichtetes auf die gestaltung der vege-
tation. Umschau 23: 628-631 illus. no.40. O.4,1919.

Vermont Agr. Exp. Stat. Bull.

Lutman, B. F.

Tip burn on the potato and other plants Vermont
Agr. Exp. Stat. Bull. 214. 28 p. illus. ii pl. on 1
Je.1919. (Bibliography: p.28)

Lutman, B.F.

Resistance of potato tubers to scab. Vermont Agr.
Exp. Stat. Bull. 215 29 p. v pl. on 3 Je.1919.

Zeitschr. Indukt. Abstamm. u. Vererbungsl.

Tschermak, E.

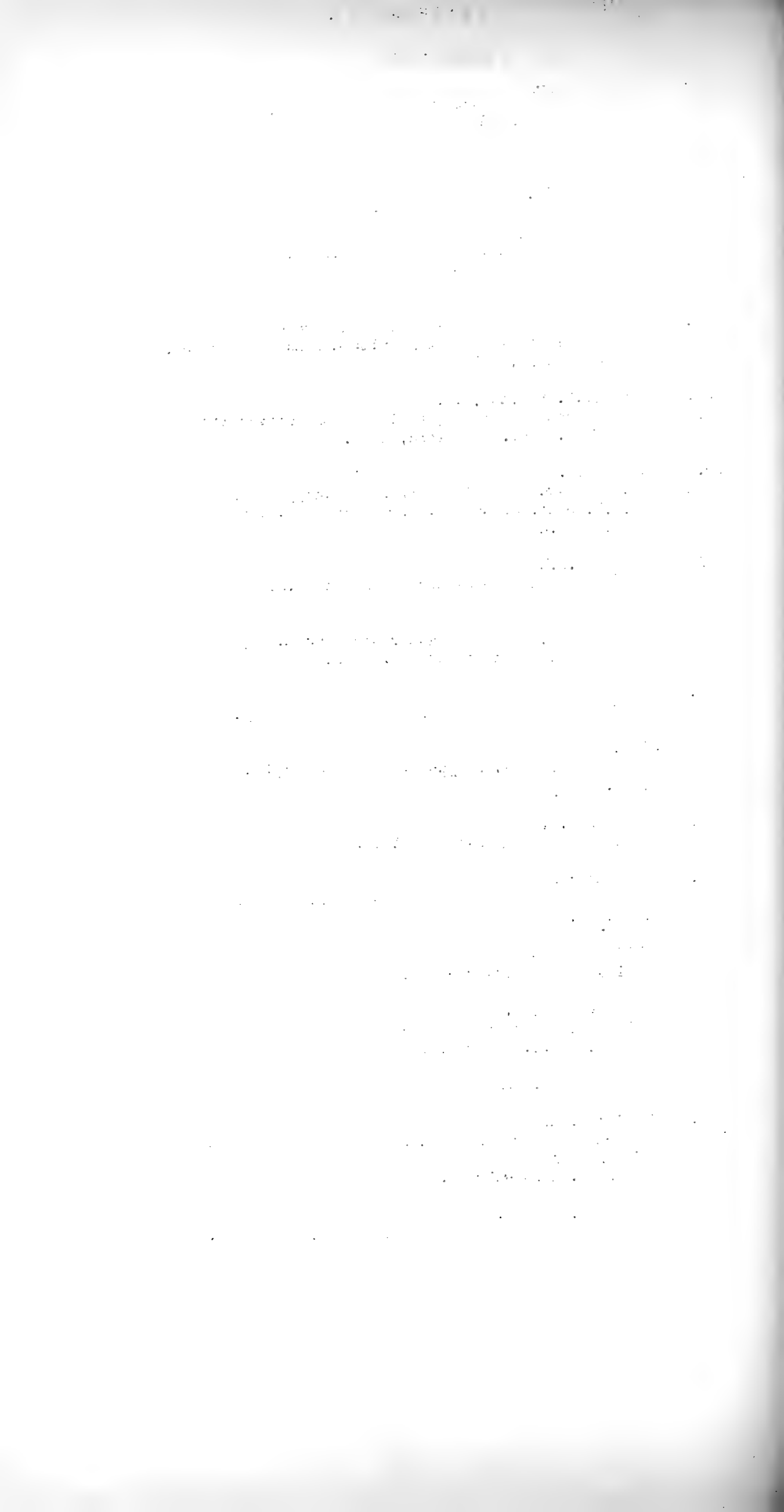
Beobachtungen über anscheinende vegetative spaltungen
an bastarden und über anscheinende spätsplaltungen von
bastardnachkommen, speziell Auftreten von pigmentierungen
an sonst pigmentlosen deszendenten. Zeitschr. Indukt.
Abstamm. u. Vererbungsl. 21: 216-232 illus. N.1919.no.4.

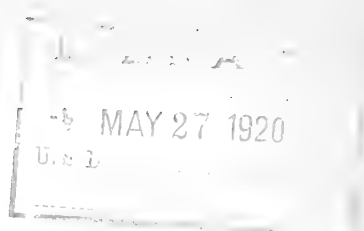
Wettstein, F. von

Vererbungserscheinungen und systematik bei haplonten
und diplohaplonten im pflanzenreich. Zeitschr. Indukt.
Abstamm. u. Vererbungsl. 21: 233-246. pl. iv N.1919.
no.4. (Literatur: p. 244-245)

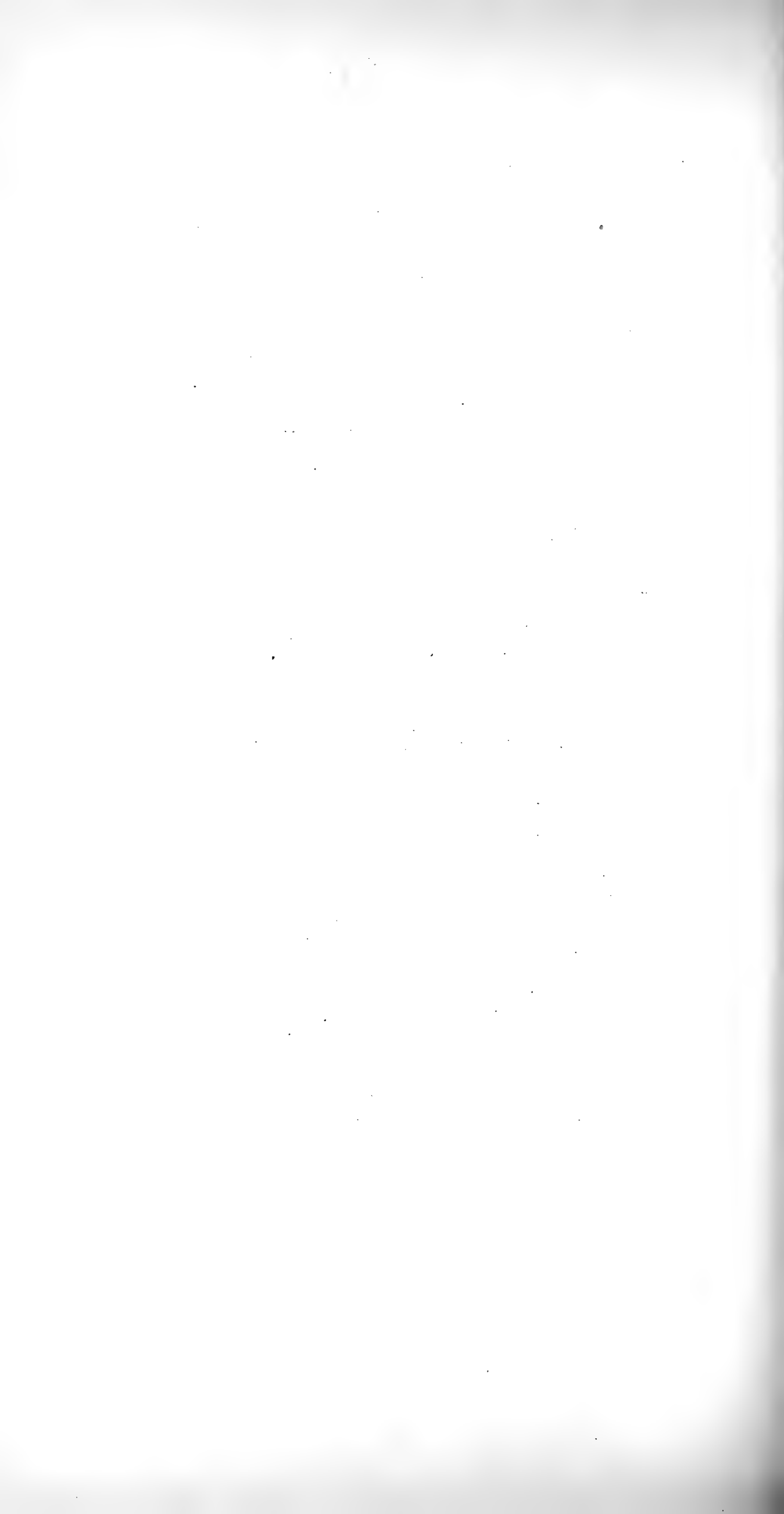
RECENT BOOKS

- 386.2 Armstrong, E.F.
Ar52 The simple carbohydrates and the glucosides
3d ed. London, 1919
- 463.8 Brown, W.H.
B81 Vegetation of Philippine mountains.
Manila, 1919.
- 463.8 Clements, F.E.
C59Pla Plant indicators. Washington, 1920. (Car-
negie Inst. Pub. 290)
- 97 Corre von, H.
C812P Les plantes des montagnes et des rochers,
leur acclimatation et leur culture dans les jardins.
Geneve & Paris, 1914
- 452.6 Druce, G.C. & Vines, S.H.
D84 An account of the herbarium of the University
of Oxford. Vol.2. Oxford, 1919.
- 99.79 Baker, R.T.
B17H The hardwoods of Australia. Sydney, 1919.
(N.S.W. Dept. of Education. Technical education
series no.23)
- 452.6 Gibson, R.J.H.
G36 Outlines of the history of botany 1919
- 463.5 Heusser, K.
H48 Die entwicklung der generativen organe von
Himantoglossum hircinum Spr. 1914.
- 464.1 Hiley, W.E.
H54 The fungal diseases of the common larch 1919
- 463.2 Isler, M.
Is4 Ueber die zwei komponenten des chlorophylls
1912.
- 459.1 Lindman, C.A.M.
L642 Svensk fanerogamflora 1918.
- 463.136 MacDougal, D.T.
M14 Hydration and growth 1920 (Publ. Carnegie
Inst. no.297)
- 463.3 Molisch, Hans
M73P Pflanzenphysiologie 1917
- 59 Papageorgios, P.
P16 [Contribution to the literature on cereals in
Greece. v.1. Athens, 1919]
v.1. Wheat
In modern Greek
- 463.2 Utzinger, M.
U59 Ueber die ersten umwandlungen des chlorophylls.
Zürich, 1911
Inaug.-diss.-Zürich.
- 120 Wilson, W.F. comp.
D74 David Douglas, botanist at Hawaii. Honolulu,
1919





- Addiscoria v. 5, no. 1 col.pl. 161-168 Mr. 1920.
- Viburnum dilatatum p. 1-2 col.pl. 161
- Diplotaxis tenuifolia p. 3-4 col.pl. 162
- Pieris floribunda p. 5-6 col.pl. 163
- Rosa "Dr. Van Fleet" p. 7-8 col.pl. 164
- Amygdalus davidiana p. 9-10 col.pl. 165
- Vernonia crinita p. 11-12 col.pl. 166
- Platycodon grandiflorum p. 13-14 col.pl. 167
- Benzen aestivale p. 15-16 col.pl. 168
- Agr. Gaz. N. S. W.
Dodd, Sydney.
St. John's wort and its effects on live stock
Agr. Gaz. N. S. W. 31: 265-272 Ap. 1920. no. 4.
- Agr. Gaz. N. S. W.
Fridham, J. T.
An obscure disease in wheat Agr. Gaz. N.S.W.
31: 229-231 illus. Ap. 3, 1920. no. 4.
- Amer. Nat.
Weatherwax, Paul.
The origin of the intolerance of inbreeding in
maize Amer. Nat. 54: 184-187 Mr./Ap.1920. no. 331.
- Ann. Bot.
Bailey, M. A.
Puccinia malvacearum and the mycoplasma theory
Ann. Bot. 34: 173-200 illus. Ap. 1920. no. 134.
- Biochem. Zeitschr.
Traube, J. & Rosenstein, H.
Ueber die wirkung von oberflächenaktiven stoffen
auf pflanzensamen Biochem. Zeitschr. 95: 85-100
Je. 1919. no. 1/2.
- Tunmann, Otto.
Ueber die alkaloide bei verwundungen der pflanzen
Biochem. Zeitschr. 95: 164-169 1919 no.3/4.
- Bol. Min. Agr. Ind. e Comm. Brazil
Barbosa Rodrigues, João, jr.
A morte das roseiras em Belém do Pará. Bol.
Min. Agr. Ind. e Comm. Brazil 7: 57-72 1919
- Bol. Min. Industr. Inspecc. Nac. Gan. y Agr. Uruguay
Salgueiro Silveira, Ricardo.
Plantas oleaginosas, mani, girasol, sésamo, algon-
don, colza, ricino y soya Bol. Min. Industr. In-
specc. Nac. Gan. y Agr. Uruguay 37 21 p. 1920.
- Bull. Dep. Landw. Suriname
Stahel, Gerold
Bijdrage tot de kennis der krullotenziekte
Bull. Dep. Landw. Suriname 39 34 p. viii pl.
D, 1919. (Literatuur-opgave: p. 32.)
- Bull. Soc. Mycol. France
Barbier, Maurice.
Tricholoma lilacinum Gillet n'est-il pas synonyme
de Inocybe geophila, varieté violaceus Patouillard?
Bull. Soc. Mycol. France 35: 198-200 Ju.1920 no.4.



Bull. Soc. Mycol. France

Chenantais, J. E.

Deux mucédinées - Bull. Soc. Mycol. France
35: 200-210 pl. xviii Ja. 1920 no. 4.
Dictyosporium toruloides (Cda) Gueg.
Cristula integra (Prismaria Preuss)

Curt. Bot. Mag. IV, 16 no. 181/3 J.,/Mr. 1920

Stanhopea costaricensis	2 p.	col. pl.	8830
Rhododendron leucoides	2 p.	col. pl.	8831
Ilex verticillata	3 p.	col. pl.	8832
Cornus kousa	2 p.	col. pl.	8833
Rhododendron vernicosum	2 p.	col. pl.	8834
Erica haroldiana	3 p.	col. pl.	8835
Primula pulvinata	2 p.	col. pl.	8836
Symphyantha asiatica	2 p.	col. pl.	8837
Pavetta abyssinica	2 p.	col. pl.	8838
Pleurothallis punctulata	2 p.	col. pl.	8839
Ribes jessoniae	3 p.	col. pl.	8840

Bull. Soc. Mycol. France

Killian, Charles.

Sur la sexualité de l'ergot de seigle, la
Claviceps purpurea (Tulasne) Bull. Soc. Mycol.
France 35: 182-197 pl. x-xvii Ja. 1920 no. 4.
Index bibliographique: p. 197

Peyronel, Beniamino.

Un hyphomycète singulier: Eriomenella tortuosa
(Corda) Peyronel Bull. Soc. Mycol. France 35: 165-182
pl. viii-ix Ja. 1920 no. 4.

Bull. West Australia Dept. Agr.

Sutton, G. L.

Take-all, Septoria, rust and wheat mildew
Bull. West Australia Dept. Agr. 69 27 p. illus.
1920.

Compt. Rend. Acad. Sci. Paris

Bertrand, Gabriel.

Action de la chloropicrine sur les plantes
supérieures Compt. Rend. Acad. Sci. Paris 170:
858-860 1920 no. 14.

Contr. U. S. Nat. Herb.

Evans, A. W.

The North American species of Asterella Contr.
U. S. Nat. Herb. v. 20, pt. 8 1920

Pennell, F. W.

Scrophulariaceae of the central Rocky Mountain
states Contr. U.S. Nat. Herb. v. 20, pt. 9 1920

Dansk Bot. Ark.

Bjergesen, F. C. E.

The marine algae of the Danish West Indies III-
IV (Rhodophyceae) Dansk Bot. Ark. v. 3, nr. 1c-d
p. 145-304 illus. 1917-18.

Bjergesen, F. C. E. & Raunkjaer, C.

Mosses and lichens collected in the former
Danish West Indies. Dansk Bot. Ark. v. 2, no. 9
18 p. 1918.



Dansk Bot. Ark.

Lange, Jakob E.

Studies in the agarics of Denmark III. *Pluteus*,
Collybia, *Inocybe*. Dansk Bot. Ark. v.2, no. 7
50 p. iii pl. 1917.

Ostenfeld, C. E. H.

Contributions to West Australian botany II.
Dansk Bot. Ark. v. 2, no. 8 66 p. illus., vi
pl. 1918.

Ostenfeld, C. E. H.

A revision of the West Australian species of
Triglochin, *Crassula* (*Tillaea*) and *Frankenia*.
Dansk Bot. Ark. v.2, no. 8, p. 30-55 illus., pl
iv 1918.

His Contributions to West Australian botany II
[pt.2].

Paulsen, Ove.

Chenopodiaceae from West Australia In Osten-
feld, C. E. H. Contributions to West Australian
botany II Dansk Bot. Ark. v. 2, no. 8 p.56-66
illus., pl. v-vi 1918.

Garden

Brotherston, R. P.

A gardener's romance Garden 84: 188
Ap.17, 1920. no. 2562.

Ward, F. K.

Rhododendrons on the N. E. frontier of Burma
Garden 84: 194-196 Ap.17, 1920. no. 2562.

Gard. Chron. III.

D.,

The lettuce Gard. Chron. III, 67: 182-193
201 illus. Ap.17,24,1920. no. 1738-9.

Farrer, Reginald.

Mr. Reginald Farrer's second exploration in Asia
17. The ridge. Gard. Chron. III, 67: 201 illus.
Ap.24, 1917. no. 1739.

Ransbottom, J. K.

Further investigations on the eelworm disease of
narcissus Gard. Chron. III, 67: 206-207 illus.
Ap. 24,1920. no. 1739.

Lecture before the Roy. Hort. Soc. & Hort. Club
Ap. 13,1920.

Myer, Frank B.

Plant names in the catalogs Gard. Chron. Amer.
24: 185-186 My.1920. no. 905.

Genetica

Lotsy, J. P.

Curcubita-strijdvragen. De soort-questie - Het
gedrag na kruising - parthenogenese? II. Eigen
onderzoekingen. Genetica 2: 1-21 illus., fold.,
col. pl. Ja.1920. no. 1.

Lotsy, J. P.

Een opwerking om voort te gaan met het kruisen
van individuen tot verschillende linneonten van het
geslacht *Verbascum* behoorend. Genetica 2: 22-26
Ja.1920. no. 1.

House & Gard.

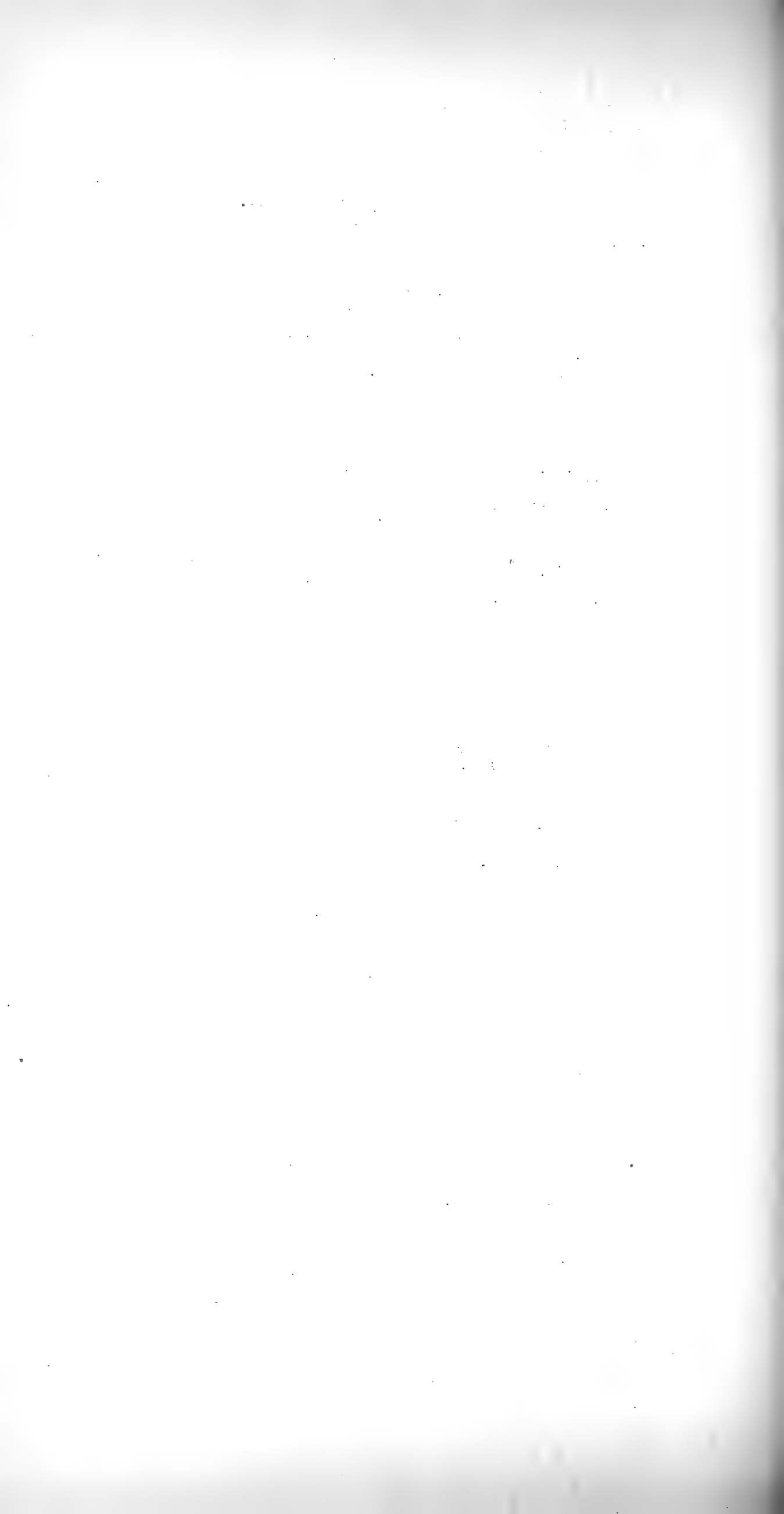
Taall, Gardner.

Collecting old-time garden books. House & Gard.
v. 37, no. 6, p. 34-35, 68 illus. Je. 1920.

Indian For.

Coleman, L. C.

The spike diseases of peach-trees: an example
of unbalanced sap-circulation Indian For. 46:
197-198 Ap. 1920. no. 4.



Indian For.

Menon, C. K.

Vateria indica : its industrial uses
Indian For. 46: 182-188 Ap.1920 no. 4.

Journ.Agr. Res.

Salter, R. M. & McIlvaine, T. C.

Effect of reaction of solution on germination
of seeds and on growth of seedlings. Journ.Agr.
Res. v.19, no.2 p. 73-96 pl. 15 Ap. 15,1920.
Literature cited: p. 93-95.

Sarvis, J. T.

Composition and density of the native vegeta-
tion in the vicinity of the northern Great Plains
field station. Journ.Agr. Res. v.19, no.2
p. 63-72 pl. 12-14 Ap.15,1920.
Literature cited: p. 71-72.

Journ.Arnold Arb.

Palmer, E. J.

The Canyon flora of the Edwards plateau of
Texas Journ.Arnold Arb. 1: 233-239
Ap. 1920. no. 4.

Rehder, Alfred.

The American and Asiatic species of *Sassafras*
Journ.Arnold Arb. 1: 242-245 Ap. 1920. no.4.

Rehder, Alfred.

New species, varieties and combinations from
the herbarium and the collections of the Arnold
arboretum (cont.) Saxifragaceae, Hamamelidaceae,
Rosaceae Journ.Arnold Arb. 1: 254-263
Ap. 1920. no. 4.

Sargent, C. S.

Notes on North American trees VI. Journ.
Arnold Arb. 1: 245-254 Ap. 1920. no. 4.
Hamamelis - Crataegus.

Schneider, C. C.

Notes on American willows VIII Journ.
Arnold Arb. 1: 212-232 Ap. 1920. no. 4.

Wilson, E. H.

Camphor, *Cinnamomum camphora* Nees & Ebermaier
Journ. Arnold Arb. 1: 239-242 Ap.1920 no.4.

Journ. Assoc. Off. Agr. Chem.

Viehoever, Arno.

Report on medicinal plants Journ. Assoc.
Off. Agr. Chem. 3:381-386 F. 1920. no. 3.

Journ. Bd. Agr. Brit. Guiana.

Nedd, J. S.

Bud rot Journ. Bd. Agr. Brit. Guiana 13:
14-19 Ja. 1920. no. 1.

Waby, J. F.

Notes on a collection of preserved dry fruits
and seeds (cont.) Jour. Bd. Agr. Brit. Guiana
13: 3-14 Ja. 1920. no. 1.

Waby, J. F.

Some interesting species of palms (cont.)
Journ. Bd. Agr. Brit. Guiana 13: 28-33
Ja. 1920. no. 1.

Journ. Hered.

Cook, O. F.

A disorder of cotton plants in China: club-
leaf or cyrtosis. A serious limiting factor of
production not hitherto recognized, resulting in
abnormal growth and sterility. Journ. Hered.
11: 98-110 illus. Mr. 1920. no. 3.

Journ. Hered.

Kempton, J. H.

Brachytic culms Heritable characters in
maize III. Journ. Hered. 11: 111-115. illus.
Mr. 1920. no. 3.

Leighty, C. E.

Natural wheat-rye hybrids of 1918. Nineteen
first generation hybrids found growing in wheat
plots on the U. S. government experimental farm
at Arlington. Vigorous second generation plants
are now being grown from a portion of the seed.
Journ. Hered. 11: 129-136 illus. Mr. 1920.
no. 3.

Journ. Min. Agr. Gt. Brit.

Russell, E. J.

The composition of potatoes immune from wart
disease Journ. Min. Agr. Gt. Brit. 27: 49-51
Ap. 1920. no. 1.

Journ. Soc. Chem. Ind.

Sen-Gupta, Nagandra N.

A study of the fruit of *Schleichera trijuga*,
with special reference to the generation of
hydrocyanic acid in the seed Journ. Soc.
Chem. Ind. 39: 88-91. Ap. 1920. no. 7.

Meded. Landbouwhooges. Wageningen.

Blaauw, A. H.

Over de periodiciteit van *Hyacinthus orientalis*
Meded. Landbouwhooges. Wageningen 18: 1-82
illus., v. pl. 1920. no. 1.

Litteratur: p. 70

English summary: p. 71-82

Missouri Bot. Gard. Bull.

Native plants suitable for the gardens of Missouri
and adjoining states II. Hardy native plants for the
water garden Missouri Bot. Gard. Bull. 8: 52-59
Ap. 1920. no. 4.

Nature

Colouring matters of plants. Nature 105:
139-140 Ap. 1, 1920. no. 2631

Naturw. Wochenschr.

Schroeder, H.

Die pflanze im wechsel der jahreszeiten
Naturw. Wochenschr. n. f., 19: 52-59 Ja. 25, 1920
Einige literatur: p. 59. no. 4.

Paper Industry.

Blair, R. J.

Decay in pulpwood - deterioration in pulp.
Paper Industry 2: 95-98 illus. Ap. 1920.
no. 1.
Reprinted.

Philipp. Journ. Sci.

Reinking, O. A.

Higher Basidiomycetes from the Philippines and
their hosts I Philipp. Journ. Sci. 15:
479-490 N. 1919 [Mr. 1920] no. 5.

Phytopath.

Essary S. H.

Samuel McCutchen Bain Phytopath. 10:
185-188 port. Ap. 1920. no. 4.
Publications: p. 187-188.

Phytopath.

Hahn, G. G.

Phomopsis juniperovora, a new species causing
blight of nursery cedars. Phytopath. 10: 249-
253 illus. Ap. 1920. no. 4.
Literature cited: p. 253.
Phomopsis juniperovora

Rand, F. V. & Pierce, W. D.

A coordination of our knowledge of insect trans-
mission in plant and animal diseases. Phytopath.
10: 189-231. Ap. 1920. no. 4.
Literature cited: p. 222-231

Smiley, E. M.

The Phyllosticta blight of snapdragon Phyto-
path. 10: 232-248 illus. Ap. 1920. no. 4.
Phyllosticta antirrhini

Proc. Florida State Hort. Soc.

Newell, Wilmon.

Future protection against citrus canker Proc.
Florida State Hort. Soc. 32 (1919): 134-141 1919
(Its Quart. v.32, no.3/4)

Rep. Dept. Agr. Antigua.

Work connected with insect and fungus pests and
their control 1918/19 Its Report 1918/19
p. 15-17 1920.

Rep. Oper. Dept. Agr. Bengal.

Butler, E. J.

Report of work done for Bengal by mycological
section Rep. Oper. Dept. Agr. Bengal 1918/19
p. 104 1919.

Som, Amrita Lal.

Annual report of mycological collector Rep.
Oper. Dept. Agr. Bengal 1918/19 p. 106-108 1919.

Rev. Agr. Puerto Rico

Legrand, J. F.

Plantas utiles de Puerto Rico (cont.) Rev.
Agr. Puerto Rico v.4, no.4 p. 17-24 illus.
Ap. 1920.

Stevenson, J. A.

Enfermedades del citre en Puerto Rico
Rev. Agr. Puerto Rico v.4, no.4 p. 25-36
Ap. 1920.

Rev. Gen. Sci.

Vuillemin, Paul.

Revue de mycologie, Première partie: mycologie
pure Rev. Gen. Sci. 31: 148-156 Mr.15,1920.
no. 5.

Rhodora

Fernald, M. L.

The American Amophila Rhodora 22: 70-71
Ap. 1920. no. 256.
A. breviligulata n. sp.

Fernald, M. L.

Juncus gerardi Loisel. var. pedicellatus n. var.
Rhodora 22: 76 Ap.1920. no. 256.

New England botanical club

Reports on the flora of the Boston district XXXII
Rhodora 22: 72-75 Ap.1920. no. 256.

Wiegand, K. McK.

Eupatorium purpureum and its allies Rhodora
22: 57-70 Ap. 1920. no. 256.

Science

Burlingame, L. L. & Martin, E. G.
General biology and the junior college
Science 51: 452-455 My.7, 1920. no. 1323.

Harper, R. A.
The stimulation of research after the war
Science 51: 473-478 My.14, 1920. no. 1324.

Smith, H. I.
James M. Macoun Science 51: 478-480
My.14, 1920. no. 1324.

Teysmannia and

Smith, J. J.
Aanteekeningen over orchideen I Teysmannia
30: 483-486 1920. no. 11/12.

Wigman, H. J., jr.
Schaduw-, sier- en laanboomen (cont.) Teys-
mannia 30:523-546 plates 1920. no.11/12.

Torreya

Burnham, S. H.
The haunts of Rhododendron maximum Torreya
20: 28-31 Mr./Ap.1920. no. 2.

McAtee, W. L.
Some local names of plants III Torreya 20:
17-27 Mr./Ap. 1920. no. 12.

Nelson, J. C.
Tilia europaea in Oregon Torreya 20: 31-32
Mr./Ap. 1920. no. 2.

Trans. Amer. Micr. Soc.

Anderson, E. N. & Walker, E. R.
An ecological study of the algae of some sand-
hill lakes. Trans. Amer. Micr. Soc. 39: 51-85
pl. iii-xii. Ja. 1920. no. 1,
Publications consulted: p. 81-83.

Trans. & Proc. Roy. Soc. So. Austr.

Black, J. M.
Additions to the flora of South Australia no. 13-
14 Trans. & Proc. Roy. Soc. So. Austr. 42:38-
61, 168-184 pl. v-viii, xv-xviii 1918.

Cleland, J. B. & Cheel, Edwin.

Australian fungi: Notes and descriptions no. 1
Trans. & Proc. Roy. Soc. So. Austr. 42: 88-138
col. pl. IX-XII 1918.

Vermont Agr. Exp. Stat. Bull.

Lutman, B. F.
Tip burn on the potato and other plants
Vermont Agr. Exp. Stat. Bull. 214 28 p. illus.
ii pl. on 1 Je. 1919.
Bibliography: p. 28.

Lutman, B. F.

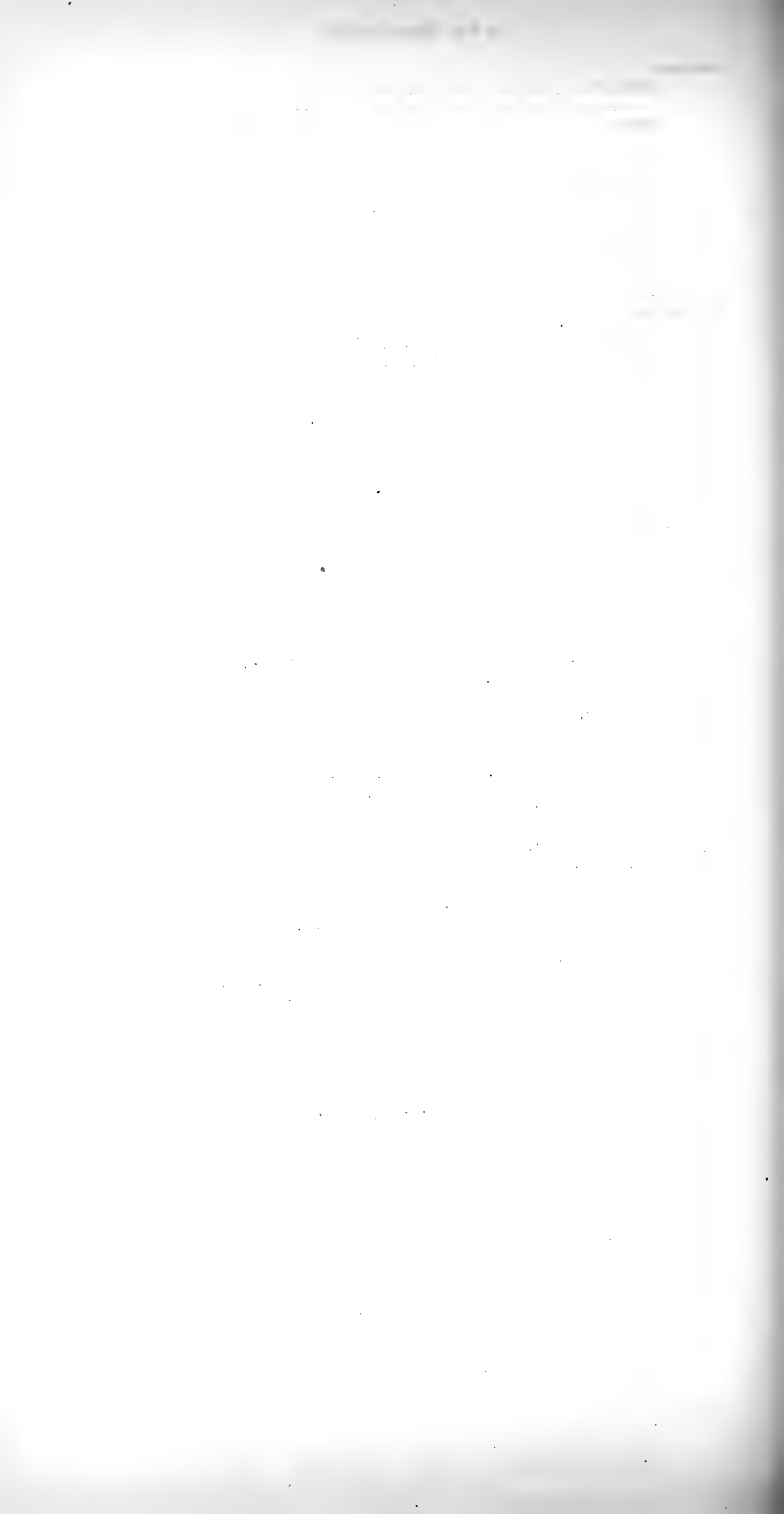
Resistance of potato tubers to scab Vermont
Agr. Exp. Stat. Bull. 215 29 p. v pl. on 3
Je. 1919.

Zeitschr. Bot.

Burgeff, H.
Ueber den parasitismus des Chaetocladium und die
heterocaryotische natur der von ihm auf mucorineen
erzeugten gallen. Zeitschr. Bot. 12: 1-35
illus., pl. 1 1920. no. 1

Wisconsin Hort.

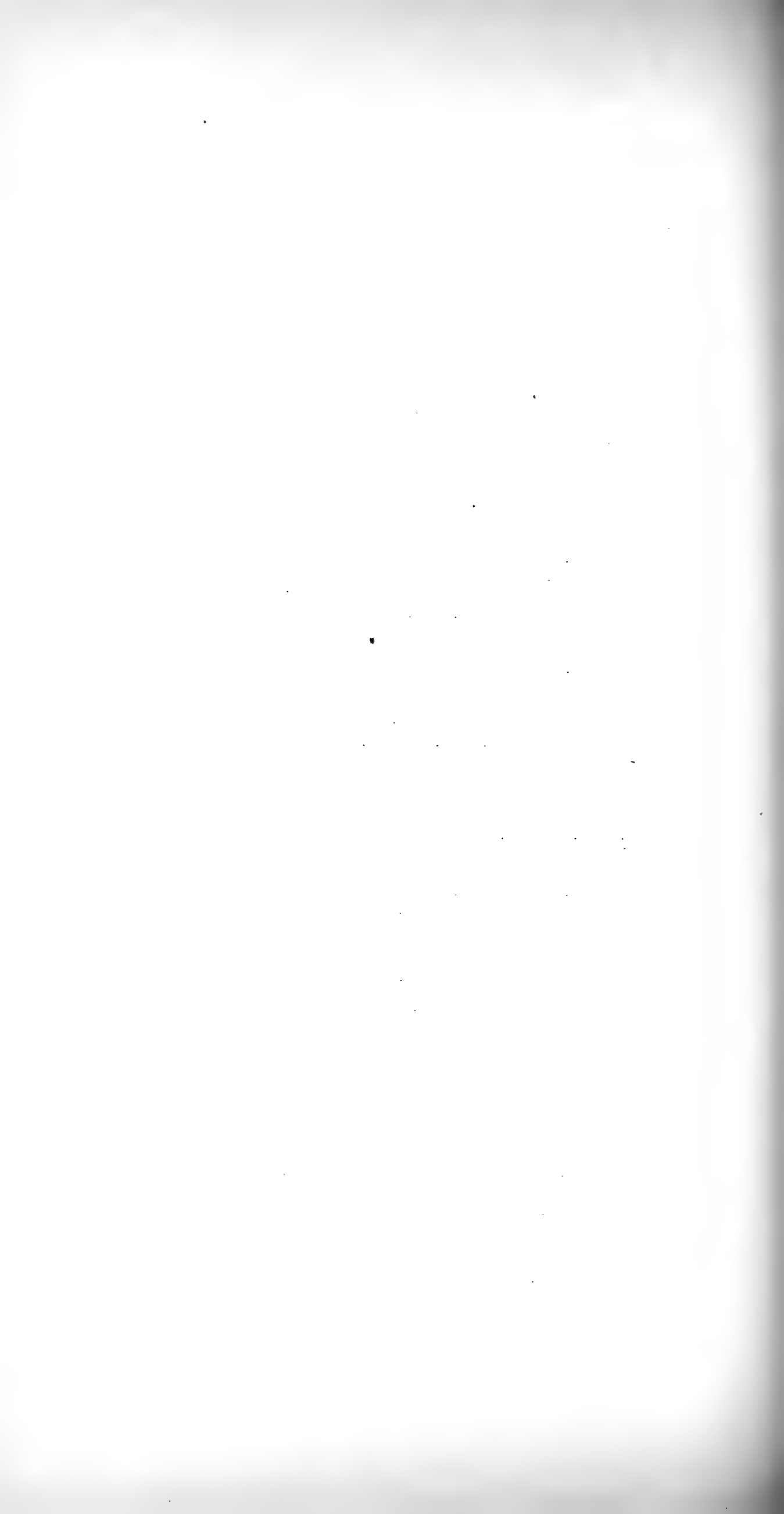
Toole, William.
Cultivating or native Cypripediums Wisconsin
Hort. 10: 154-155 illus. My. 1920. no. 9.



- 459.6 Amberg, Karl.
Aml Der Pilatus 1916
- 463.3 Glück, H.
G52 Blatt und blütenmorphologische studien 1919
- 434 Pellett, F. C.
F36A American honey plants Hamilton, 1920
- 459.1 Warming, Eugène
W23 Dansk plantevækst I Strandvegetation
1906

Library, Bureau of Plant Industry
Current Author Entries, 1920, List 32.
Indexed - May 25-June 5, 1920.

- Amer. For.
Rumbold, Carolins
Giving medicine to trees Amer. For. 26:
359-362 illus. Ja.1920. no. 318
- Amer. Journ. Bot.
Buchholz, J.T.
Embryo development and polyembryony in re-
lation to the phylogeny of conifers. Amer.
Journ. Bot. 7:125-145 illus. Ap.1920. No.4.
Literature cited: p. 144-145
- Chamberlain, C. J.
The living cycads and the phylogeny of seed
plants Amer. Journ. Bot. 7: 146-153 incl. pl.
vi Ap.1920 no. 4
- Wieland, G. R.
Distribution and relationships of the cycade-
oids. Amer. Journ. Bot. 7: 154-171 pl.vii
Ap.1920 no: 4
- Amer. Journ. Sci.
Guppy, H. B.
Fossil botany in the western world: an appre-
ciation Amer. Journ. Sci. IV, 49: 372-374 My
1920
- Ann. K.K. Naturh. Hofmus. Wien
Keissler, Karl von
Revision des Sauterschen pilzherbars (Mit beson-
derer berücksichtigung der von Sauter neubeschrie-
benen pilze) Ann. K.K. Naturh. Hofmus. Wien 31:
77-138 1917
- Hayek, August von
Zur kenntnis der flora des berges Zlep bei Ipek
Ann. K.K. Naturh. Hofmus. Wien 31: 65-76 pl.ii
1917
- Arb. Forsch.-Inst. Kartoffelb.
Appel, Otto & Schneider, G.
Versuchsergebnisse auf dem gesamtgebiete des
kartoffelbaues im jahre 1918 Arb. Forsch.-Inst.
Kartoffelb. h.1 63 p. 1919
Krankheiten und ihre bekämpfung: p. 53-57
- Biol. Zentralbl.
Galant, S.
Ueber die entstehung von variationen bei anemone
hepatica. Biol. Zentralbl. 39: 529-535 D.1919
(Ja. 1920) no. 12
- Günther, Hans
Das schraubungsprinzip in der natur Biol.
Zentralbl. 39: 513-526 N.1919 no. 11
- Patschovsky, Nobert
Ueber eine möglichkeit des aussernormalen ent-
stehens von pflanzlichen kalziumoxalat. Biol.
Zentralbl. 39: 481-489 N.1919 no. 11
Literatur: p. 489



Col. Min. Agr. e Com. Brazil

Araújo's God's, Paulino

Plantas cleaginosas Col. Min. Agr. Ind. e

Com. Brazil v.7, no. 2, p. 25-38 1919

Common names

Dot. Gaz.

Arber, Agnes

Tendrils of Smilax Dot. Gaz. 61: 438-442

pl.xxii My. 1920

Literature cited: p.442 no. 5

Coulter, Merle C.

Inheritance of aleurone color in maize Dot.

Gaz. 62: 407-425 My, 1920 no. 5

Dorsey, M. J. & Weiss, Freeman

Petiole glands in the plum Dot. Gaz. 69:

391-406 pl.xx-xxi My, 1920 no. 5

Literature cited: p. 405-406

Shull, C. A.

Temperature and rate of moisture intake in

seeds Dot. Gaz. 69: 361-390 My.1920 no.5

Literature cited: p. 390

Smith, E. W.

Bulbils of Lycopodium lucidulum Dot. Gaz.

69: 426-437 illus. My.1920 no. 5

Literature cited: p. 437

Dot. Mag. Tokyo

Hagiwara, Tokio

On the coupling of leaf-characters in the Japanese morning glory Dot. Mag. Tokyo 34: 17-18

Mr.1920 no. 399.

Okada, Yonosuke

Studien über die proliferation der markhöhlenzellen im stengel der Vicia faba. Dot. Mag.

Tokyo 34: 19-34 illus. Mr, 1920

Literaturverzeichnis: p. 30-31

Dot. Not.

Holmberg, O. R.

Einige Puccinellia-arten und -hybriden Dot.

Not. 1920 p. 103-111 no. 3

Johansson, K.

Nya Hieracia silvaticiformia från Sveriges lagland Bot. Not. 1920 v. 65-100 no. 3

Nordstedt, Otto

Prima loca plantarum Suecicarum, Första litteraturuppgift om de i Sverige funna, vilda eller förvildade

kärlväxterna Bot. Not. 1920 (Dilaga): 1-64 no.h.1-3

Dryologist

Andrews, A. L.

Hymenostomum in North America Dryologist

23: 28-31 Mr.1920 no. 2

Burnham, S. H.

The mosses of the Lake George flora Dryol.

23: 17-26 Mr. 1920 no. 2

Holzinger, J. M.

Dr. Corren's investigations and sterile mosses

Dryol. 23: 27-28 Mr. 1920 no. 2

- Bull. Dept. Agr. Prov. Alberta
Talbot, P. R. & Hooper, J. C.
Weeds poisonous to livestock Bull. Dept. Agr.
Prov. Alberta no. 1 40 p. illus., col. pl.
1919
- Bull. Misc. Inform. Kew
Kew. Royal gardens
Decades Kewenses plantarum novarum herbario
horti regii conservatarum Decas XXVI Bull.
Misc. Inform. Kew 1920 p. 108-112 no. 3
- Lacaille, C. C.
Quercus aegilops Bull. Misc. Inform. Kew
1920 p. 100-105 no. 3
- Stapf, Otto
Thellungia, a new genus of Gramineae. Bull.
Misc. Inform. Kew 1920 p. 96-99 illus. no. 3
T. advena
- Turrill, W. D.
The genus Rosmarinus Bull. Misc. Inform.
Kew. 1920 p. 105-108 illus. no. 3
- Bull. Pan. Amer. Union
Agan, J. E.
Brazilian fibres Bull. Pan. Amer. Union
50: 394-404 illus. Ap. 1920, no. 4
- Bull. So. Dakota Geol. & Nat. Hist. Surv.
Visher, S. S.
The geography of South Dakota. A detailed dis-
cussion of the , resources, climate, plants, sur-
face, animals, and human geography, including the
history of the area. A study in regional geography.
Bull. So. Dakota Geol. & Nat. Hist. Surv. 8: 1-177
illus. [Jy. 1918]
Bibliography of literature cited: p. 163-168
- Bull. Torr. Club
Harper, R. A.
Inheritance of sugar and starch characters in
corn. Bull. Torr. Club 47: 137-186 pl. 3-5
Ap. 1920 no. 4
Literature cited: p. 183-185
- McAtee, W. L.
Notes on the Jack Pine Plains of Michigan
Bull. Torr. Club 47: 187-190 Ap. 1920. no. 4
- Compt. Rend. Cong. Agr. Colon
Beille, Lucien
Les maladies du caféier dans les colonies fran-
çaises Compt. Rend. Cong. Agr. Colon. 1918.
3: 44-60 1919?
- Flugbl. K. Biol. Anst. Land- u. Forstw.
Appel, Otto
Die peroxidbrühe als ersatz der kupferkalkbrühe
Flugbl. K. Biol. Anst. Land- u. Forstw. 62 3 p.
Ja. 1917
- Garden
Bunyard, E. A.
Alnus virides Garden 84: 229 illus.
My. 8, 1920. no. 2529
- Dykes, W. R.
A new Iris classification Garden 84: 216-
217 My. 1, 1920 no. 2528



Garden

"Pertinax"

The eelworm disease of daffodils. Garden
84: 222-224 illus. My.1,1920 no. 2528

Gard. Mag.

Eldredge, A. G.

Plants for gardens farthest north. Beautiful
natives that languish in the warmth of the average
latitude are nature's provision for less hospitable
climes. Gard. Mag. 31: 245-248 illus.
Je. 1920 no. 4

Herrington, Arthur

William Robinson, the man and his work Gard.
Mag. 31: 253-257 illus. (incl.port.) Je.1920.
no. 4

The work that he has done, by A. Herrington.
His gardens at Gravetye manor, by J. W. Elliott.

Rathbone, Alice

Five native Sedums reach my garden. Gard. Mag.
31: 268 illus. Je.1920 no. 4.

With letters from Dr. E. T. Wherry in regard to
their collection.

Wilson, E. H.

The romance of our trees, IX. Whence came the
common fruits? Gard. Mag. 31: 259-263 illus.
Je. 1920 no. 4

Gard. Bull. Straits Settlement.

Chipp, T. F.

A host index of fungi of the Malay peninsula I
Gard. Bull. Straits Settlement. 2: 231-238 Ap.1920
no. 7

Flippance, F.

A guide to the palm collection in the Botanic
gardens II Gard. Bull. Straits Settlement. 2:
246-258 pl. Ap.1920 no. 7

Mathieu, E.

The oil palm (*Elaeis guineensis*) in the East.
Gard. Bull. Straits Settlement. 2: 217-230 illus.
Ap. 1920 no. 7

References: p. 230

Gard. Chron.

Bliss, A. J.

Hybridising bearded iris. Gard. Chron. III,
67: 225 My. 8, 1920 no. 1741

Ramsbotton, J. K.

Further investigations on the eelworm disease
of Narcissus (concl.) Gard. Chron. III, 67:
218-219 illus. My.1,1920 no. 1740

Ward, F. K.

Plant collecting on Inaw Bum II Gard. Chron.
III, 67: 228-229 My.8,1920 no.1741

Wisley

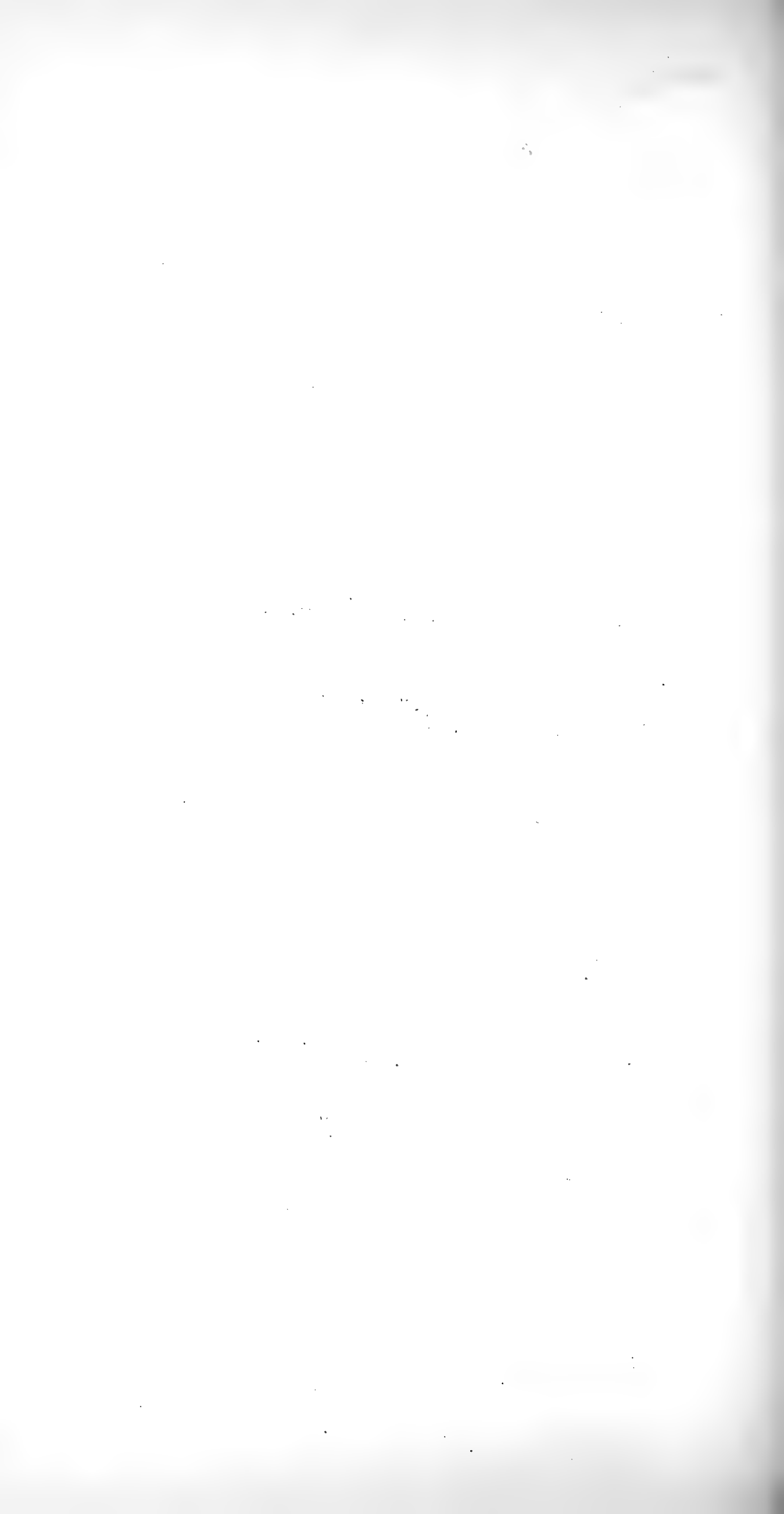
Gard. Chron. III, 67: 231-232 My. 8,1920
no. 1741

Genetics

Dorsey, M. J.

A study of sterility in the plum Genetics
4: 417-488 pl. 1-4, fold. tab. S,1919 [1920?]
Literature cited: p. 481,483,485,487 no.5

- Geogr. Rev.
McBride, G. McC.
Cotton growing in South America Geogr. Rev.
9: 35-50 illus. Ja. 1920 no. 1
- Hawaiian For. & Agr.
Judd, C. S.
The wiliwili tree Hawaiian For. & Agr, 17:
95-97 2 pl. Ap. 1920 no. 4
Erythrina monosperma Gaud.
- Rock, J. F.
The poisonous plants of Hawaii (concl.)
Hawaiian For. & Agr, 17: 97-101 Ap. 1920 no. 4
- Journ. Agr. Prat.
Foex, Etienne
La dégénérescence de la pomme de terre. Journ.
Agr. Prat. 84: 365-367 My. 13, 1920 no. 20
- Noffray, E
Le charbon du maïs Journ. Agr. Prat. 84:
367-369 illus. My. 13, 1920 no. 20
Ustilago maidis
- Journ. Agr. Res.
Collins, G. N.
A teosinte-maize hybrid. Journ. Agr. Res. v. 19,
no. 1 p. 1-38 pl. 1-7, fold. tab. Ap. 1, 1920
[Je. 1920] no. G-187
- Journ. Amer. Soc. Agron.
Jones, D. F.
Selection in self-fertilized lines as the basis
for corn improvement Journ. Amer. Soc. Agron.
12: 77-100 pl. 3-7 Mr. 1920 no. 3
Literature cited: p. 98-100
- Journ. Bot.
Baker, E. G. & Salmon, C. E.
Some segregates of *Erodium cicutarium* L'Hérit.
Journ. Bot. 58: 121-127 pl. 554 My. 1920
no. 689
- Lister, Gulielma
Mycetozoa from Cornwall Journ. Bot. 58: 127-
130 My. 1920 no. 689
- Smith, E. P.
Plant dermatitis I Journ. Bot. 58: 130-
135 My. 1920 no. 689
- Wolley-Dod, A. H.
A revised arrangement of British roses (cont.)
Journ. Bot. 58 (Suppl.): 9-20. My. 1920 no. 689
- Journ. Econ. Entom.
Ball, E. D. & Fenton, F. A.
What per cent of tipburn is caused by the potato
leafhopper? Journ. Econ. Entom. 13: 218-221
pl. 2 Ap. 1920 no. 2
- Journ. Gen. Phys.
Bailey, I. W.
The significance of the cambium in the study of
certain physiological problems. Journ. Gen. Phys.
2: 519-533 illus., pl. i My. 1920 no. 5
Bibliography: p. 532
- Raber, O. L.
The antagonistic action of anions. Journ. Gen.
Phys. 2: 541-544 My. 1920 no. 5
- Raber, O. L.
A quantitative study of the effect of anions on
the permeability of plant cells. Journ. Gen. Phys.
2: 535-539 My. 1920 no. 5.



- Journ. Gen. Phys.
 Reed, H. S.
 The nature of the growth rate. Journ. Gen.
 Phys. 2: 545-561. My. 1920 no. 5
 Bibliography: p. 561
- Journ. Min. Agr. Gt. Brit.
 Saleman, R. N.
 The technique of cross-fertilization in potatoes
 Journ. Min. Agr. Gt. Brit. 27: 138-144 illus.
 My. 1920 no.2
- Journ. Pomol.
 Bunyard, E. A.
 The history of the Paradise stocks. Journ.
 Pomol. 1: 166-176 My.1920 no. 3
- Bunyard, E. A.
 John Tradescant, Senior Journ. Pomol. 1:
 188-196 port. My.1920 no. 3
- Hatton, R. G.
 Black currant varieties -- a method of classifi-
 cation... Journ. Pomol. 1: 145-153 illus. plates
 My. 1920 no. 3
- Journ. Wash. Acad. Sci.
 Blake, S. F.
 Revision of the true mahoganies (Swietenia)
 Journ. Wash. Acad. Sci. 10: 286-297 illus.
 My.19,1920 no. 10
- Month. Bull. Ohio Agr. Exp. Stat.
 Thomas, R. C.
 Keepins seed potatoes from disease attacks,
 Selection of tubers, care of storage house and
 effects of sprouting. Month. Bull. Ohio Agr.
 Exp. Stat. 4: 341-344 illus. N.1919 no.11
- Nature
 Exhibition of diseases of the Para rubber-tree
 Nature 105: 80-81 Mr. 18,1920 no.7629
- New Zeal. Journ. Agr.
 Cockayne, Leonard
 An economic investigation of the montane
 tussock-grassland of New Zealand. New Zeal.
 Journ. Agr. 20; 209-217 illus. Ap.1920.no. 4
- Notes R. Bot. Gard. Edinb.
 Craib, W. G.
 Abies delavayi in cultivation. Notes R. Bot.
 Gard. Edinb. 11: 277-280 pl. clxii-clxiv.
 N.1919 [1920] (No.LV)
 A. faberi (Wilson's Szechuan plant) comb. nov.
 A. forrestii (Forrest's Lichaing plant) n.sp.
- Craib, W. G.
 Didissandra and allied genera in China and N.
 India. Notes R. Bot. Gard. Edinb. 11: 255-
 268 N.1919 [1920] (No. LV)
 Didissandra, Briggsia, Craib, Ancylostemon
 Craib, Isometrum Craib
- Craib, W. G.
 Gesneracearum novitates Notes R. Bot. Gard.
 Edinb. 11: 233-254 N.1919 [1920] (No.LV)
- Craib, W. G.
 A new Chinese Pseudotsuga Notes R. Bot.Gard.
 Edinb. 11: 189-190 pl. clx-clxi N.1919 [1920]
 (No. LV)
 P. forrestii
- Craib, W. G.
 Revision of Petrocosmea Notes R. Bot.Gard.
 Edinb. 11: 269-275 N.1919 [1920] (No.LV)



Notes R. Bot. Gard. Edinb.

Edinburgh, Royal botanic garden

Diagnoses specierum novarum in herbario horti
regii botanici Edinburgensis cognitarum CCCCII-
CCCCI. Species asiaticae. Notes R. Bot. Gard.
Edinb. 11: 193-232 N.1919[1920] (No.LV)

Plant World

Berry, E. W.

The geological history of the sweet gum and
witch hazel. Plant world 22: 345-354 illus.
D.1919 [My.1920] no. 12

Norton, G. P.

Shore vegetation of Flathead Lake, Montana.
Plant world 22: 355-362 illus. D.1919 [My,1920]
no. 12

Proc. Amer. Carn. Soc.

Lehenbauer, P. A.

The control of carnation stem rot Proc. Amer.
Carn. Soc. 29: 23-32 1920

Proc. Amer. Pomol. Soc.

Farley, A. J.

Results of summer spraying and dusting peaches.
Proc. Amer. Pomol. Soc. 35(1917): 175-181 1918

Fletcher, Stevenson

One hundred years of strawberry growing in North
America. Proc. Am. Pomol. Soc. 35(1917): 125-132
1918

Gourley, J. H.

The commercial production of the blueberry.
Proc. Amer. Pomol. Soc. 35(1917): 138-144 1918.

Morris, R. T.

Notes on nut-bearing coniferous trees. Proc.
Amer. Pomol. Soc. 35(1917): 156-158 pl. 1918

Popenoe, Wilson

The natural groups of mangos cultivated in
Florida Proc. Amer. Pomol. Soc. 35(1917):
70-80 plates 1918
References: p. 81

Popenoe, Wilson

Tropical fruits Proc. Amer. Pomol. Soc.
35(1917): 196-214 1918

Reddick, Donald

Status of dusting in orchard protection. Proc.
Amer. Pomol. Soc. 35(1917): 162-172 1918

Proc. Indiana Acad. Sci.

Andrews, F. M.

Some trees in Indiana Proc. Indiana Acad.
Sci. 1918 p. 261-263 1919

Dean, C. C.

Plants new to Indiana VIII Proc. Indiana Acad.
Sci. 1918 p. 144-150 1919

Fink, Bruce & Fuson, S. C.

Ascomycetes new to the flora of Indiana Proc.
Indiana Acad. Sci. 1918 p. 264-275 1919
Bibliography: p. 274-275

Fisher, M. L.

The dormant period of timothy after ripening
Proc. Indiana Acad. Sci. 1918 p. 276-279 1919.

Holman, R. M.

Contributions of botany to military efficiency
Proc. Indiana Acad. Sci. 1918 p. 49-55 1919



Proc. Indiana Acad. Sci.

Markle, Millard S.

Some abnormalities in plant structure Proc.
Indiana Acad. Sci. 1918 p. 117-124 illus. 1919

Nelson, J. C.

Plants from Boone County, Kentucky Proc.
Indiana Acad. Sci. 1918 p. 125-143 1919

Pipal, F. J.

The barberry and its relation to the stem-rust
of wheat in Indiana Proc. Indiana Acad. Sci.
1918 p. 63-70 illus. 1919

Weatherwas, Paul

A method for teaching diffusion and osmosis in
connection with biological work Proc. Indiana
Acad. Sci. 1918 p. 88-92 1919

Rev. Agr. Com. y Trab. Habana

Celsa Acosta,

Coleccion de maderas cubanas. Rev. Agr.
Com. y Trab. Habana 3: 55- F.1920 no.2

Cremata, Merlino

Una excursion botanica a isla de Pinos. Rev.
Agr. Com. y Trab. Habana 3: 47-49 illus.
Feb. 1920 no. 2

Rev. Agr. Mexico

Ramírez, Román

Dos parasitod de la remolacha Rev. Agr.
Mexico 5: 141-142 illus. O.1919 no.2
Septoria sp.

Ramirez, Gonzalo

Una nueva planta hulifera Rev. Agr. Mexico
5: 113-119 O. 1919 no. 2
Crytostegia madagascariensis

Rev. Gén. Sci.

Vuillemin, Paul

Revue de mycologie II. partie: Mycologie appli-
quée. Rev. Gén. Sci. 31: 177-186 Mr.30,1920. no.6.
Bibliographical foot notes.

I. Empoisonnements par les champignons II. Champig-
nons parasites de l'homme,III. Champignons parasites
des végétaux

Science

Gardner, M. W. & Link, G. K. K.

Colored photographs of plant disease specimens
Science 51: 556-558 Je.4, 1920 no. 1327

Richardson, W. D.

The ash of dune plants Science 51: 546-551
My. 28, 1920 no. 1326

Stevens, F. L.

Foot-rot of wheat.Science 51: 517-518 My.21,1920.
Helminthosporium sp. no. 1325

Soil Science

McCool, M. M. & Millar, C. E.

Further studies on the freezing-point lowering of
soils and plants. Soil Sci. 9:217-223 pl.1-3 Ap.1920

So. Afr. Journr. Sci.

Doidge, E. M.

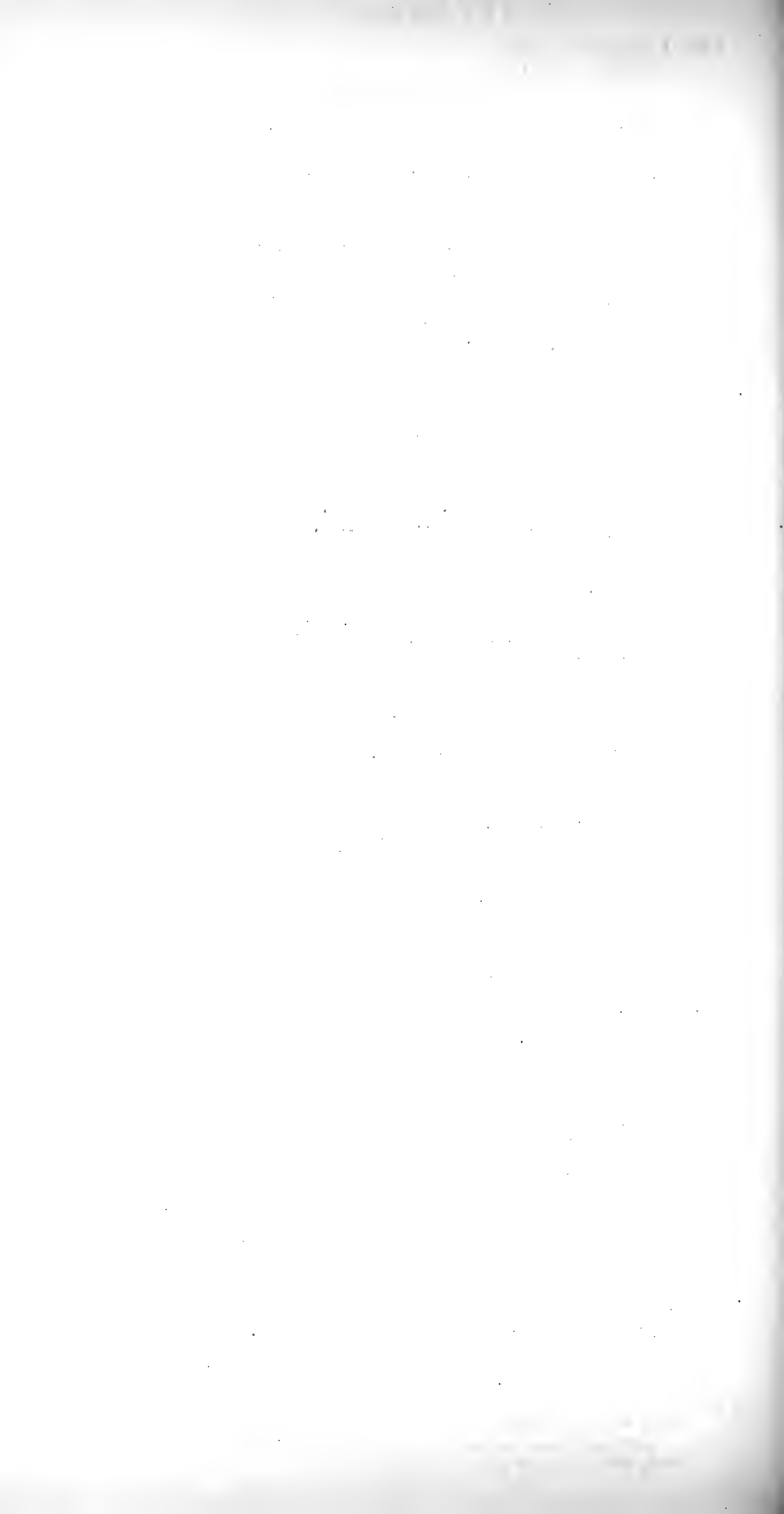
The role of bacteria in plant diseases. So. Afr.
Journ. Sci. 16: 65-92 S.1919

Literature cited: p. 87-92

U. S. Dept. Agri. Bull.

Rand, F. V. & Enlows, M. A.

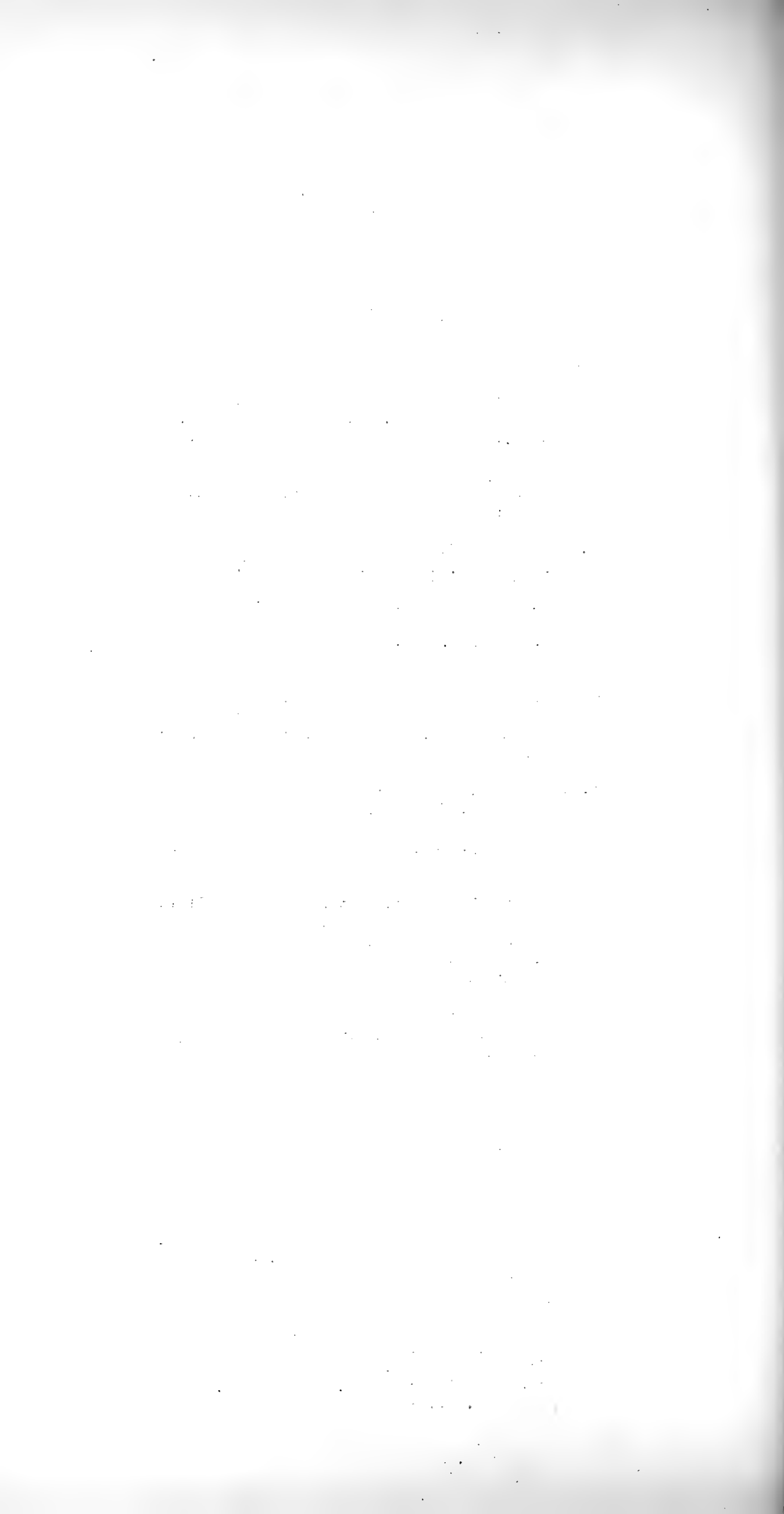
Bacterial wilt of cucurbits. U.S. Dept. Agr.
Bull. 828 43 p. iv pl. My. 10, 1920



- Agr. Gaz. N. S. W.
Breakwell, E.
Popular descriptions of grasses (cont.)
the Chloris grasses Agr. Gaz. N.S.W. 31:
308-314 illus. My. 1920. no. 5.
- Agr. News
Sands, W. N.
Some tropical variegated-leaves plants
Agr. News 19: 154-155 My. 15, 1920 no. 471
- Amer. Bot.
Clute, W. N.
Notes on the Navago region Amer. Bot.
26: 39-47 Pl. My. 1920 no. 2
- Clute, W. N.
Plant names and their meanings III
Amer. Bot. 26: 57-61 My. 1920 no. 2
- Nelson, Aven
Flora of the Navago reservation Amer.
Bot. 26: 48-56 My. 1920 no. 2
- Amer. Journ. Sci.
Holm, Theodor
Studies in the Cyperaceae XXIX. Carices
aeorastachyne: salinae Fries Amer. Journ.
Sci. IV, 49: 429-442 illus. Je. 1920, no. 294
- Amer. Nat.
East, E. M.
Hybridization and evolution Amer. Nat.
54: 262-264 My./Je. 1920 no. 632
- Yampolsky, Cecil
Further observations on sex in *Mercurialis*
annua Amer. Nat. 54: 280-284 illus.
My./Je. 1920 no. 632
- Arch. Zellforsch
Hartmann, Otto
Ueber den einfluss der temperatur auf
plasma, kern und nucleolus und cytologische
gleichgewichts-zustände (Zellphysiologische
experimente an pflanzen) Arch. Zellforsch.
15: 177-248 pl. viii-xii 1919 no. 2
Literaturverzeichnis: p. 244-248
- Hartmann, Otto
Ueber die experimentelle beeinflussung
der grösse pflanzlicher chromatophoren durch
die temperatur. Arch. Zellforsch. 15:
160-176 illus., pl. vii 1919 no. 2
Literaturverzeichnis: p. 175-176
- Schürhoff, P. N.
Ueber die teilung des generativen kerns
vor der keimung des pollenkorns. Arch.
Zellforsch. 15: 145-159 pl. vi 1919 no. 2
Literaturverzeichnis: p. 158-159
- Ark. Bot.
Borge, Oscar
Die von Dr. A. Löfgren in São Paulo
gesammelten süsswasser-algen. Ark. Bot.
v. 15, n:o. 13 108 p. 8 pl. (partly fold.)
O. 1919
Literaturverkürzungen: p. 97-102
"Tryckt den 21 december 1918"
- Eriksson, Jakob
Zur entwicklungsgeschichte des spinatschimmels
(*Peronospora spinaciae* [Grew.] Laur.) Ark. Bot.
v. 15, n:o 15 25 p. illus., 4 double pl. O. 1919
Literaturverzeichnis: p. 21-22
"Tryckt den 20 december 1918"



- Ark. Bot.
Kylin, Harald
Pollenbiologische studien in nördlichsten
Schweden. Ark. Bot. v.15, n:o 17 20 p.
O.1919
Literaturverzeichnis: p. 20
"Tryckt den 24 december 1918"
- Atti R. Accad. Lincei V, Rend: Cl. Sci. Fis. Mat. e
Nat.
Peyronel, Beniamino
Un interessante parassita del lupino non
ancora segnalato in Italia: *Blepharospora*
terrestris (Sherb.) Peyr. Atti R. Accad.
Lincei V, Rend. Cl. Sci. Fis. Mat. e Nat.
29(1): 194-197 1920 no.5
- Beih. Bot. Centralbl.
Orban, Grete
Untersuchungen über die sexualität von
Phycomyces nitens. Beih. Bot. Centralbl.
36(1): 1-59 illus. Jy. 1919 no. 1
- Ritter, Georg
Friedrich Ludwig Beih. Bot. Centralbl.
36(1): 133-134 Jy. 1919
- Ber. Deut. Chem. Ges.
Pringsheim, Hans & Pringsheim, E. G.
Wilhelm Pfeffer Ber. Deut. Chem. Ges.
53: 36-39 Mr.1920 no. 3
- Bol. Min. Agr. Nac. Arg.
Girola, C. D.
Plantas medicinales, posibilidad del
cultivo de las especies exóticas en Argentina
aprovechamiento de las especies indígenas.
Bol. Min. Agr. Nac. Arg. 25: 3-46 Ja./Mr.1920
no. 1
- Bot. Jahrb, Engl.
Brotherue, Vikter F.
Musci weberbaueriani. Bot. Jahrb, Engl.
56 (Beibl. 123): 1-22 Mr. 1920 no. 2
- Lauterbach, Carl.
Beiträge zur flora von Papuasien VII (cont.)
Bot. Jahrb, Engl. 56: 161-272 Ap.1920 no.2
Brause, G. Bearb. der von C. Ledermann usw.
mitgebr. pteridophyten (cont.) - Radlkofer, L.
Gesamtübersicht über die sapindaceen Papuasians.
- Lewin, Louis
Ueber einige pflanzen aus dem küstengebiet
von Beludschistan. Bot. Jahrb, Engl. 56: 31-36
Ap. 1920 no, 2
- Pilger, Robert
Gramineae austro-americanae imprimis Weber-
bauerianae V Bot. Jahrb, Engl. (Beibl. 123):
23-30 Ap. 1920 no. 2
- Radlkofer, Ludwig
Gesamtübericht über die sapindaceem Papuasians,
Bot. Jahrb, Engl. In Lauterbach, C. Beiträge zur
flora von Papuasien VII Bot. Jahrb, Engl. 56:
251-272 Ap. 1920
- Bull. Econ. Madagascar
Diverses dénominations françaises, étrangères,
commerciales et locales, en regard des noms
scientifiques d'un certain nombre de plantes
utiles à titres divers. Bull. Econ. Madagascar
1919 p. 121-124
- Bull. Fac. Agr. & Hort. Univ. Coll. Reading
Hector, J. M. & Mackenzie, A. D.
Plant disease survey of the county of Middle-
sex Bull. Fac. Agr. & Hort. Univ. Coll. Reading
no. 26 82 p. incl. maps [n.d.]



Bull. Fac. Agr. & Hort. Univ. Coll. Reading

Hector, J. M.

"Sliver leaf disease". An analysis of the present situation, with special reference to the county of Middlesex Bull. Fac. Agr. & Hort. Univ. Coll. Reading no. 24 8 p. 4 pl. on 2 [1914?]

Bull. Torr. Club

Bergman, H. F.

Internal stomata in ericaceous and other unrelated fruits. Bull. Torr. Club 47: 213-221 illus. My. 1920 no. 5

Osterhout, G. E.

A new *Oreocarya* from Colorado. Bull. Torr. Club 47: 211 My. 1920 no. 5
O. procera

Stork, H. E.

Studies in the genus *Taraxacum* Bull. Torr. Club 47: 199-210 pl. 6-7 My. 1920 no. 5
Literature cited: p. 209-210

Centralbl. Bakt. Abt. II

Bachmann, E.

Der thallus saxikoler pilze: *Phaeospora propria* (Arn.) und *Nectria indigens* (Arn.) Centralbl. Bakt. Abt. II, 50: 45-54 illus. F. 1920 no. 114

Circ. Dept. Agr. Uganda

Small, William

Diseases of *Hevea brasiliensis* in Uganda Circ. Dept. Agr. Uganda no. 3 12 p. F. 1920

Compt. Rend. Acad. Agr. France

Foëx, Etienne

Quelques causes de dégénérescence chez la pomme de terre Compt. Rend. Acad. Agr. France 6: 398-404 1920 no. 15
Comments by M. Schribaux: p. 401-407

Compt. Rend. Acad. Sci. Paris

Bertrand, Gabriel

Des conditions qui peuvent modifier l'activité de la chloropicrine vis-à-vis des plantes supérieures. Compt. Rend. Acad. Sci. Paris 170: 952-954 1920 no. 16

Guilliermond, Alexandre

Sur l'évolution du chondriome pendant la formation des graines de pollen de *Lilium candidum*. Compt. Rend. Acad. Sci. Paris 170: 1003-1006 illus. 1920 no. 17

Molliard, M.

Influence d'une dose réduite de potassium sur les caractères physiologiques du *Sterigmatocystis nigra*. Compt. Rend. Acad. Sci. Paris 170: 949-951 1920 no. 16

Souèges, René

Embryogénie des oenothéracées. Développement de l'embryon chez *Oenothera biennis* L. Compt. Rend. Acad. Sci. Paris 170: 946-949 1920 no. 16

Compt. Rend. Soc. Biol. Paris

Wildeman, Emile de

Clerodendron à tiges fistuleuses Compt. Rend. Soc. Biol. Paris 83: 582-584 1920
C. cavum n. sp. no. 14

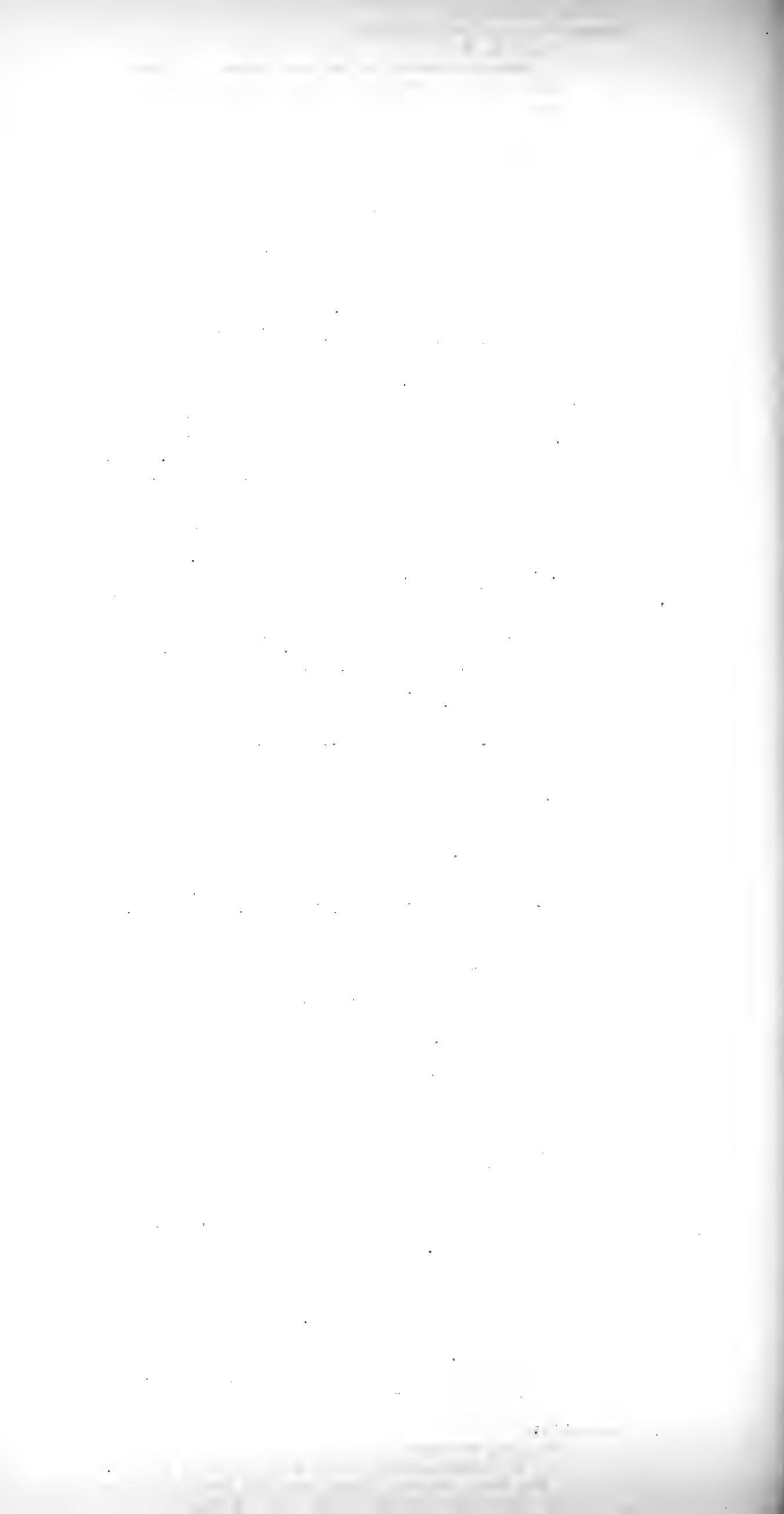
Country Life

The eelworm disease of daffodils, the Ramsbottom hot-water treatment. Country Life 47: 742-743 illus. My. 29, 1920

- Cultura
Doyer, L. C.
Een voorloopige mededeeling omtrent het
Ascochyta-onderzoek op erwten Cultura
31: 382-385 N. 1919 no. 374
- Wolk, P. C. van der
Tropen-romantiek (geschiedenis van onze
nootmuskaat-cultuur) Cultura 32: 100-113
Ap. 1920 no. 379
- Deut. Landw. Presse
Schlumberger, Otto
Kartoffelbau und pflanzenschutzmittel
Deut. Landw. Presse 47: 153-154 Mr.10,1920
no. 20
- Fühl. Landw. Zeit.
Fischer, Hugo
Pflanzen und kohlenäure Fühl. Landw.
Zeit. 69: 59-65 F.1/15, 1920 no.314
- Garden
Bowles, E. A.
Magnolia kobus Garden 84: 243 illus.
My. 15, 1920. no. 2530
- Britton, James
Blake's plant names (Cont.) Garden 84:
243-244 My. 15, 1920 no. 2530
- Gard. Chron.
Gunther, R. T.
The garden of the Rev. Walter Stonehouse
at Darfield rectory, in Yorkshire, 1640
Gard. Chron. III, 67: 240-241, 257 My.15,
22, 1920 no. 1742-3
- Intern. Sugar Journ.
Barber, C. A.
Sugar cane seedling work in India Intern.
Sugar Journ. 22: 251-257 My. 1920 no. 257
- Jardin
Gadeceau, Emile
Sur quelques Helichrysum hautement décoratifs
du Basoutoland. Jardin 34: 44-46 Illus.
Mr. 20, 1920 no. 729
- Journ. Agr. Prat.
Foëx, Etienne
La dégénérescence de la pomme de terre
Journ. Agr. Prat. 84: 275-279, 326-329, 365-
367 1920 no. 16, 18, 20
- Mottet, Serâhim
Traitement de la gale commune de la pomme
de terre Journ. Agr. Prat. 84: 298-299
illus. Ap. 22, 1920 no. 17
- Journ. Agr. Res.
Dickson, J. G. & Johann, Helen
Production of conidia in Gibberella saubinetii
Journ. Agr. Res. v. 19, no. 5 p. 235-237
illus. Je. 1, 1920 G-194
- Fulton, H. R.
Decline of Pseudomonas citri in the soil.
Journ. Agr. Res. v. 19, no. 5. p. 107-223
Je. 1, 1920 G-193
- Lee, H. A.
Behavior of the citrus-canker organism in the
soil Journ. Agr. Res. v.19, no. 5, p. 189-
206 pl. 36-37 Je. 1, 1920 G-192
- Journ. Bd. Agr. Brit. Guiana
Waby, J. F.
Notes on collection of dry fruits and seeds
Journ. Bd. Agr. Brit. Guiana 13: 67-72 Ap.1920
no. 2



- Journ. Bd. Agr. Brit. Guiana
Waby, J. F.
Some interesting species of palms Journ.
Bd. Agr. Brit. Guiana 13: 84-86 Ap. 1920
no. 2
- Journ. N. Y. Bot. Gard.
Small, J. K.
Cypress and population in Florida. The re-
lation of phytogeography to the drift of popula-
tion as shown in the case of Taxodium Journ.
New York Bot. Gard. 21: 81-86 pl. 245-247
My. 1920 no. 245
- Missouri Bot. Gard. Bull.
Native plants suitable for the gardens of
Missouri and adjoining states, (cont.) Missouri
Bot. Gard. Bull. 8: 63-67 My. 1920 no. 5
- K. Landtbr: Akad. Handl. e. Tidskr.
Kemner, N. A.
Betnematoden eller betølen (*Heterodera schachtii*
Schmidt) Inbhis Nagra iakttagelser över skade-
djur på svenska betodlingar K. Landtbr. Akad.
Handl. e. Tidskr. 60: 125-130 1920 no. 2
- Monatsschr. Kakteenk.
Berger, Alwin
Ein neuer *Phyllocactus* Monatsschr. Kakteenk.
30: 33-34 Mr. 1920 no. 3
P. weingartii
- Meyer, Rudolf
Echinocactus wislizeni Eng. Monatsschr. Kak-
teenk. 30: 17-22 incl. pl. F. 1920 no. 2
- Schwantes, G.
Mesembrianthemum sphaeroidea. Monatsschr.
Kakteenk. 30: 35-40 incl. illus., pl. Mr. 1920
no. 3
M. Karasmontanum, *M. purpusii*, *M. minusculum*,
n. sp.
- Mycologia
Dodge, B. O.
The life history of *Ascobolus magnificus*.
Origin of the ascocarp from two strains. Mycologia
12: 115-134 illus., pl. 7-8 My. 1920 no. 3
Literature cited: p. 132-133
- Atwood, A. C.
Errors in Lindau's "Thesaurus" and Saccardo's
Sylloge. Mycologia 12: 169-171 My. 1920 no. 3
- Jackson, H. S.
New or noteworthy North American Ustilaginales.
Mycologia 12: 149-156 My. 1920 no. 3
- Murrill, W. A.
Another new truffle Mycologia 12: 157-158
illus. My. 1920 no. 3.
Tuber shearii
- Murrill, W. A.
Pier Andrea Saccardo Mycologia 12: 164-
My. 1920 no. 3
- Overholts, L. O.
Some mycological notes for 1919 Mycologia
12: 135-142 pl. 9-10 My. 1920 no. 3
- Standley, P. C.
Rusts from Glacier National Park, Montana.
Mycologia 12: 143-148 My. 1920 no. 3
- Nat. Hist.
Harper, Francis
Okefinokee Swamp as a reservation. Nat. Hist.
20: 29-41 illus., fold. map F. 1920
Literature on Okefinokee Swamp: p. 40



Esmarch, F.

Aufgaben und ziele des praktischen pflanzen-
schutzes Naturw. Wochenschr. n.f., 19: 215-
218 Ap. 4, 1920 no. 14

Fischer, Hugo

Das problem der kohlenäuredüngung. Naturw.
Wochenschr. n.f., 19: 177-184, 196-203 illus.
Mr. 21, 28 1920 no. 12-13
Literatur: p. 202-203

Gerhardt, Karl

Den an denken an Ernst Stahl Naturw.
Wochenschr. n.f., 19: 145-149 Mr. 7, 1920
no. 10

Naturwissenschaften

Czapek, Friedrich

Die organische ernährung bei höheren grünen
pflanzen. Naturwissenschaften 8: 226-231
Mr. 19, 1920 no. 12

Ubisch, G. von

Anwendung der vererbungsgesetze auf die
kulturpflanzen Naturwissenschaften 8:
296-299 illus. Ap. 16, 1920 no. 116

Nueve Giorn. Bot. Ital.

Pampanini, Renato & Zanon, V.

Nuovi contributi alla conoscenza della
flora della Cirenaica. I Nuovo Giorn.
Bot. Ital. 26: 205-220 Jy. 1919 no. 3

Phytopath.

Butler, O. R.

On the amount of copper required for the
control of Phytophthora infestans on potatoes
Phytopath. 10: 298-304 My. 1920 no. 5

Dana, B. F. & Zundel, G. L.

A new corn smut in Washington, Phytopath.
10: 328-330 illus. Je. 1920 no. 6
Sphacelotheca reiliana

Gardner, M. W.

Peronospora in turnip roots. Phytopath.
10: 321-322 pl. xii. Je. 1920
Contr. Bot. Dept. Purdue
Peronospora parasitica

Godfrey, G. H.

A seed-borne Sclerotium and its relation to
a rice-seedling disease. Phytopath. 10: 342-
343 Je. 1920 no. 6

Harter, L. L. & Weiner, J. L.

Sweet potato stem-rot and tomato wilt. Phyto-
path. 10: 307-308 My. 1920 no. 5

Hartley, Carl

Abnormal growth induced by chloral hydrate
soil treatment. Phytopath. 10: 334-335 illus.
Je. 1920 no. 6

Livingston, B. E. & Fawcett, H. S.

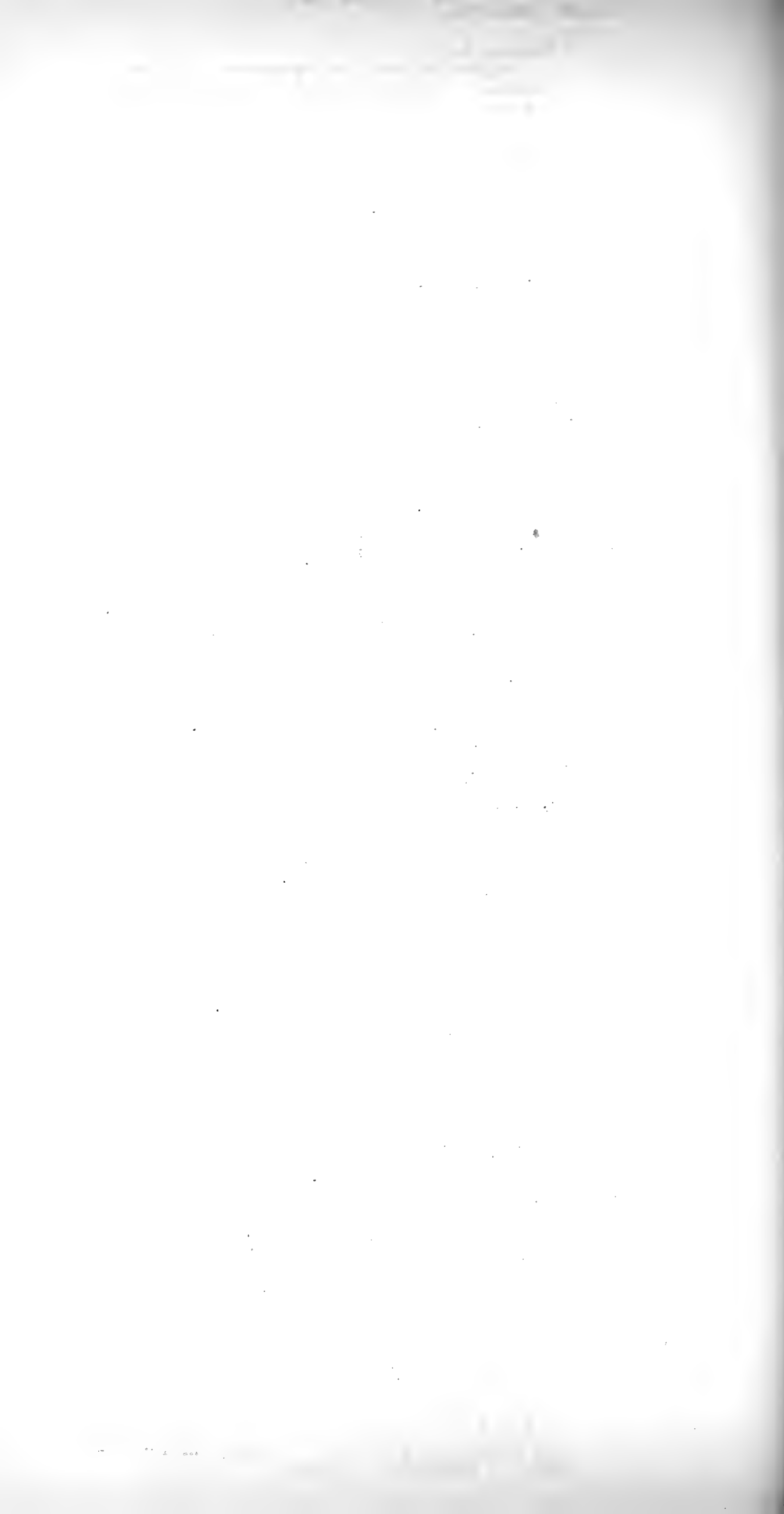
A battery of chambers with different auto-
matically maintained temperatures. Phytopath.
10: 336-340 Je. 1920 no. 6

Mackie, W. W.

Head smut in sorghum and maize Phytopath.
10: 307-308 My. 1920 no. 5

Meinecke, E. P.

Facultative heteroecism in Peridermium cerebrum
and Peridermium harknessii Phytopath. 10: 279-
297 My. 1920 no. 5



Phytopath.

Schmitz, Henry

Observations on some common and important diseases of the Rhododendron. Phytopath. 10: 273-278 pl. xi My. 1920 no. 5

Stakman, E. C. & Krakover, L. J.

Puccinia graminis on native Berberis canadensis. Phytopath. 10: 305-306 My. 1920 no. 5

Thomas, C. C.

Coix smut Phytopath. 10: 331-333 illus. Je. 1920 no. 6
Ustilago coicis

Walker, J. C.

Experiments upon formaldehyde-drip control of onion smut. Phytopath. 10: 325-327 Je. 1920 no. 6

Plant Chron.

Amstead, R. D.

Brown Bast. Plant. Chron. 15: 294-297 My. 1, 1920 no. 18

Analysis of a paper by J. R. Harmsen, a transl. of which appeared in the Malayan tin and rubber journal of 31st Oct., 1919

"Keralam"

The brown bast mystery Plant Chron. 15: 291-293 My. 1, 1920 no. 18

Communication on the treatment suggested by J. R. Harmsen

Proc. Amer. Acad.

Thaxter, Roland

New Dimorphomyceteae Proc. Amer. Acad. Arts & Sci. 55: 211-282 My. 1920 (Contr. Crypt. Lab. Harv. Univ. no. LXXXVII) no. 6

Proc. N. Y. State Potato Assoc.

Blodgett, F. M.

Further developments in the work on mosaic and leaf-roll of potatoes. Proc. New York State Potato Assoc. 6: 9-11 1919

Orton, C. R.

The discovery and control of potato wart in Pennsylvania Proc. New York State Potato Assoc. 6: 27-29 1919

Proc. Roy. Soc. Ser. B.

Bateson, William

The genetics of "rogues" among culinary peas (*Pisum sativum*) Proc. Roy. Soc. Ser. B. 91: 186-195 My. 12, 1920 no. B-638

Gates, R. R.

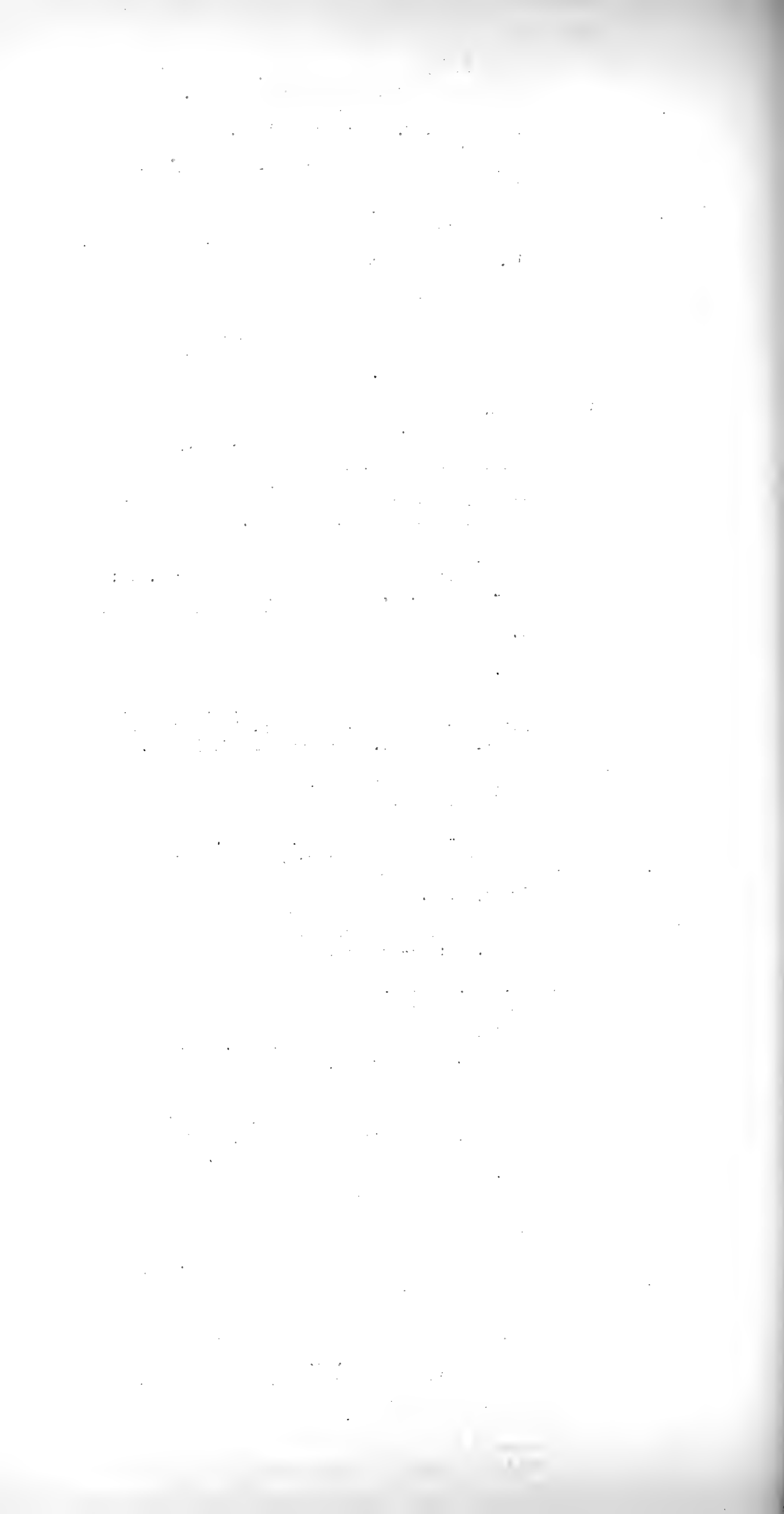
A preliminary account of the meiotic phenomena in the pollen mother-cells and tapetum of lettuce (*Lactuca sativa*) Proc. Roy. Soc. Ser. B. 91: 216-223 My. 1920 no. B-638
Bibliography: p. 223

Moore, Benjamin & Webster, T. A.

Studies of photo-synthesis in fresh-water algae I Proc. Roy. Soc. Ser. B. 91: 201-215 no. B. 638 My. 1920

References: p. 215

1. The fixation of both carbon and nitrogen from the atmosphere to form organic tissue by the green plant cell. 2. Nutrition and growth produced by high gaseous dilutions of simple organic compounds such as formaldehyde and methylic alcohol. 3. Nutrition and growth by means of high dilutions of carbon dioxide and oxides of nitrogen without access to atmosphere.



Queensl. Agr. Journ.

White, C. T.

The red ash (*Alphitonia excelsa*) a valuable fodder tree. Queensl. Agr. Journ. 13: 218-219 illus. My. 1920 no. 5

Rev. Agr. Puerto Rico

Legrand, J. F.

Plantas útiles de Puerto Rico Rev. Agr. Puerto Rico v.4, no. 5, p. 6-10 illus. My. 1920

Stevenson, J. A

Enfermedades del citro en Puerto Rico IV Rev. Agr. Puerto Rico v. 4, no. 5, p. 22-27 My. 1920

Rapp. Stat. Agron. Guadeloupe

Dash, J. S.

Rapport de l'entomologiste et pathologiste Rapp. Stat. Agron. Guadeloupe 1 (1918/19): 27-32 1920

Rev. Gén. Bot.

Gain, Edmond & Gain, André

Conditions thermiques du sol sous l'influence de la végétation locale. Rev. Gén. Bot. 32: 161-164 1920 no. 376

Urbain, Achille

Influence des matières de réserve de l'albumen de la graine sur le développement de l'embryon. Rev. Gén. Bot. 32: 125-139, 165-191 illus. 1920 no. 375-6

Rev. Industr. y Agr. Tucumán

Fawcett, G. L.

Algunas descripciones adicionales de variedades de caña Rev. Industr. y Agr. Tucumán 9: 129-152 illus. F./Mr. 1919 no. 9/10

K. Svenska Vetensk. Akad. Handl.

Eriksson, Jakob

Die Schwedischen gymnosporangieen, ihr wirtswechsel und ihre spezialisierung nebst bemerkungen über die entsprechenden formen andere länder. K. Svenska Vetensk. Akad. Handl. v. 59, no. 6 82 p. 4 pl. (2 col.) 1919

Trans. Brit. Mycol. Soc.

Brooks, F. T.

Plant sanitation in fruit orchards. Trans. Brit. Mycol. Soc. 1919 6: 253-262 Ap. 1920 no. 3

Elliott, Jessie (Sproat) Bayliss

On the formation of conidia and the growth of the stroma of *Daldinia concentrica*. Trans. Brit. Mycol. Soc. 1919 6: 269-273 pl. vi Ap. 1920 no. 3

Elliott, J. S. B.

Studies in Discomycetes II Trans. Brit. Mycol. Soc. 1919 6: 263-268 pl. vi. Ap. 1920 no. 3

Searle, G. O.

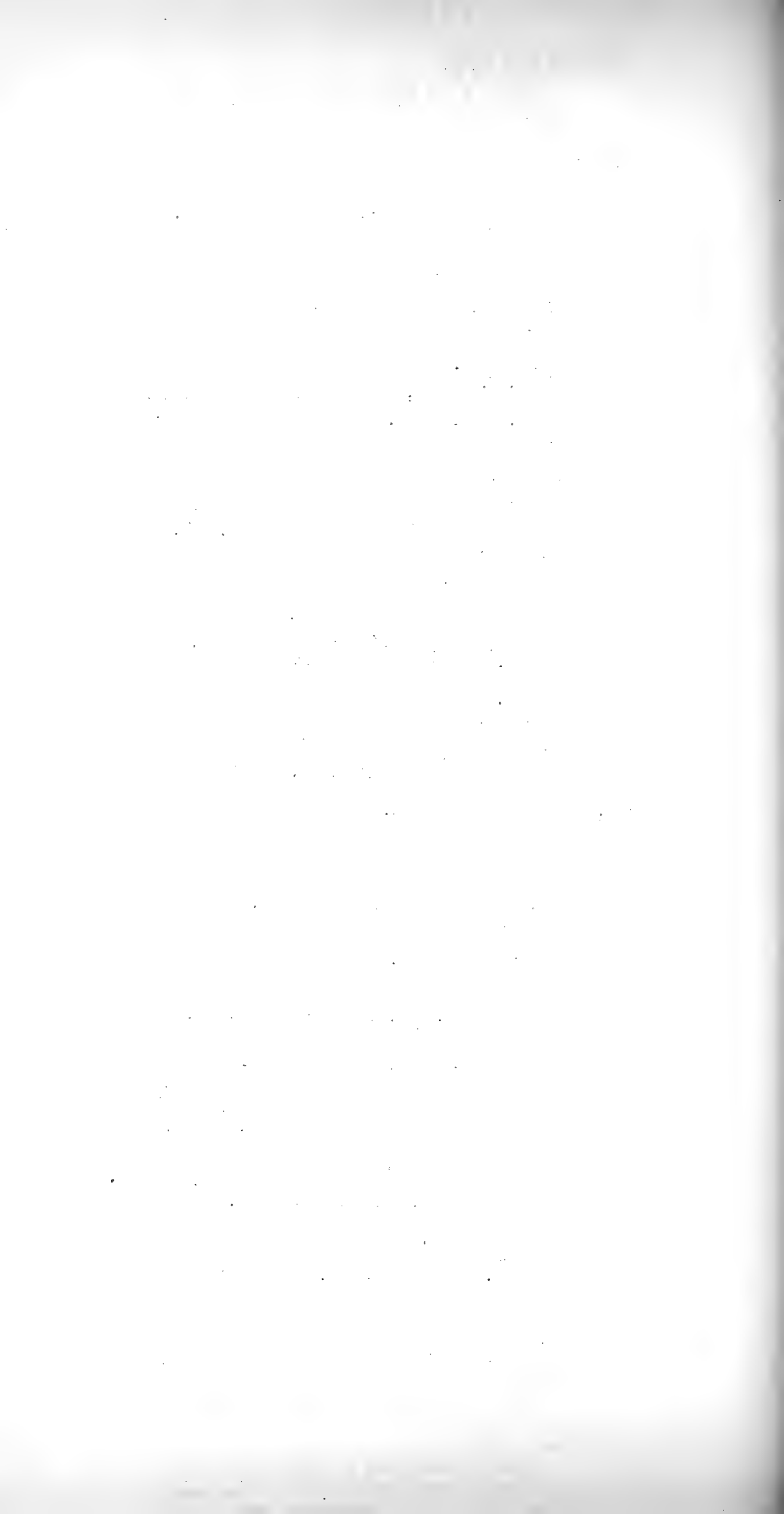
Some observations on *Erysiphe polygoni* DC. Trans. Brit. Mycol. Soc. 1919 6: 274-293 Ap. 1920 Bibliography: p. 292-293 Experiments on Swedes, turnips & rape

Smith, A. L.

Pimina parasitica Grove Trans. Brit. Mycol. Soc. 1919 6: 295-296 Ap. 1920 no. 3 *Urophiala mycophila* of Vuillemin the same.

Stone, R. E.

Upon the audibility of spore discharge in *Helvella elastica* (bull) Trans. Brit. Mycol. Soc. 1919 6: 294 Ap. 1920 no. 3



Trans. Brit. Mycol. Soc.

Stone, R. E.

Upon the visibility of spore dissemination
in *Fomes pinicola* (Swartz) Fr. Trans. Brit.
Mycol. Soc. 1919 6: 293 Ap. 1920 no. 3

U. S. Dept. Agr. Bull.

Shamel, A. D.

Citrus-fruit improvement, a study of bud
variation in the Lisbon lemon U. S. Dept.
Agr. Bull. 815 70 p. illus. viii pl.
Je. 1, 1920

L. B. Scott, C. S. Pomeroy & C. L. Dyer
joint authors.

Shamel, A. D., Scott, L. B. & Pomeroy, C. S.

Frost protection in lemon orchards U. S.
Dept. Agr. Bull. 821 30 p. illus., iii pl.
Je. 4, 1920

Gombocz, Endre

A Budapesti egyetemi botanikus kert és
tanszék története 1914

Maiden, J. H.

A critical revision of the genus *Eucalyptus*
v. 4, pt. 9-10 (whole no. 39-40) 1919-20

Maumens, Albert

Manuel pratique de jardinage et d'horti-
culture 1914

Pihl, Axel & Eriksson, Jakob

Svenska fruktsorter 1912

Schulz, Hugo

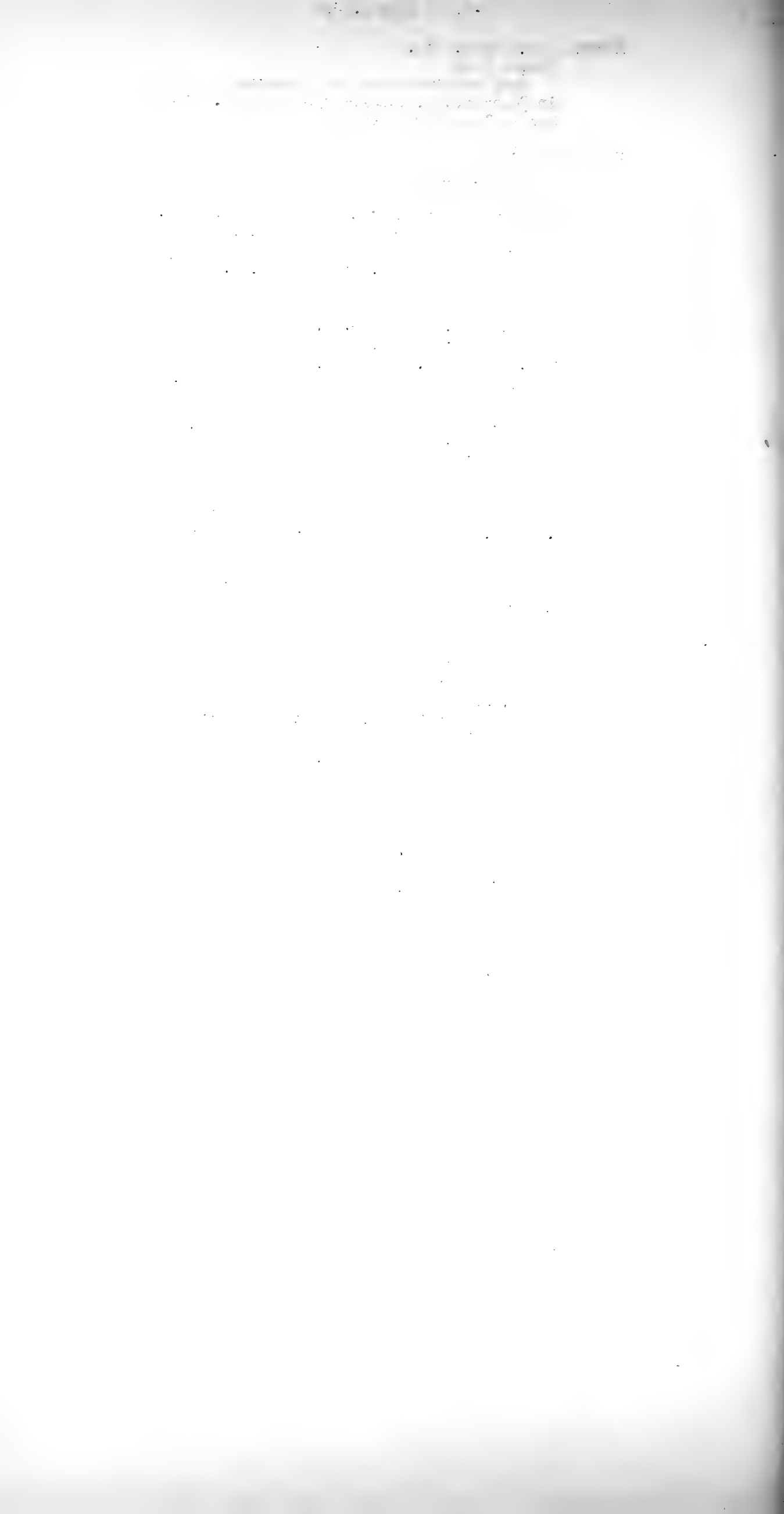
Verlesungen über wirkungen und anwendung
der deutschen arzneipflanzen 1919

Sim, T. R.

Flowering trees and shrubs for use in South
Africa 1919

Willstätter, R. M.

Untersuchungen über die assimilation der
kohlenensäure 1918



Agr. News

Sands, W. N.

Some tropical variegated-leaved plants
(cont.) Agr. News 19: 171 My. 29, 1920
no. 472

Amer. Fern Journ.

Clarkson, E. H.

The story of a fern garden I Amer.
Fern Journ. 10: 53-57 Ap./Je. 1920 no. 2

Fitzpatrick, T. J.

The fern flora of Nebraska II Amer.
Fern Journ. 10: 33-44 Ap./Je. 1920 no. 2

Wherry, E. T.

The soil reactions of certain rock ferns II
Amer. Fern Journ. 10: 45-52 Ap./Je. 1920 no. 2

Amer. Journ. Bot.

Blakeslee, A. F., Thaxter, R., & Trelease, W.

William Gilson Farlow, December 17, 1844-
June 3, 1919 Amer. Journ. Bot. 7: 173-181
port. My. 1920 no. 5
Publications: p. 175-181

Harvey, R. B.

Relation of catalase, oxidase, and H-concentra-
tion to the formation of overgrowths. Amer.
Journ. Bot. 7: 211-221 illus. My. 1920 no. 5
Literature cited: p. 220-221

Rickett, H. W.

The development of the thallus of *Sphaerocarpus*
donnellii Aust. Amer. Journ. Bot. 7: 182-194
illus., pl. ix-xii My. 1920 no. 5
Literature cited: p. 193

Rock, J. T.

The genus *Plantago* in Hawaii Amer. Journ.
Bot. 7: 195-210 pl. xiii My. 1920 no. 5

Amer. Midl. Nat.

Dufrenoy, Jean

The biological significance of selective
adsorption. Amer. Midl. Nat. 6: 159-165
Mr. 1920 no. 8
Literature cited: p. 164-165

Grier, N. M.

Notes on variation in chicory Amer.
Midl. Nat. 6: 148-149 Ja. 1920 no. 7

Wolf, W.

Notes on Alabama plants Amer. Midl. Nat.
6: 151-158 Mr. 1920 no. 8
Talinum (*T. mengesti* sp. nov.) - *Arundinaria*
tecta (Walt.) Muhl.

Anal. Cient. Parag.

Bertoni, M. S.

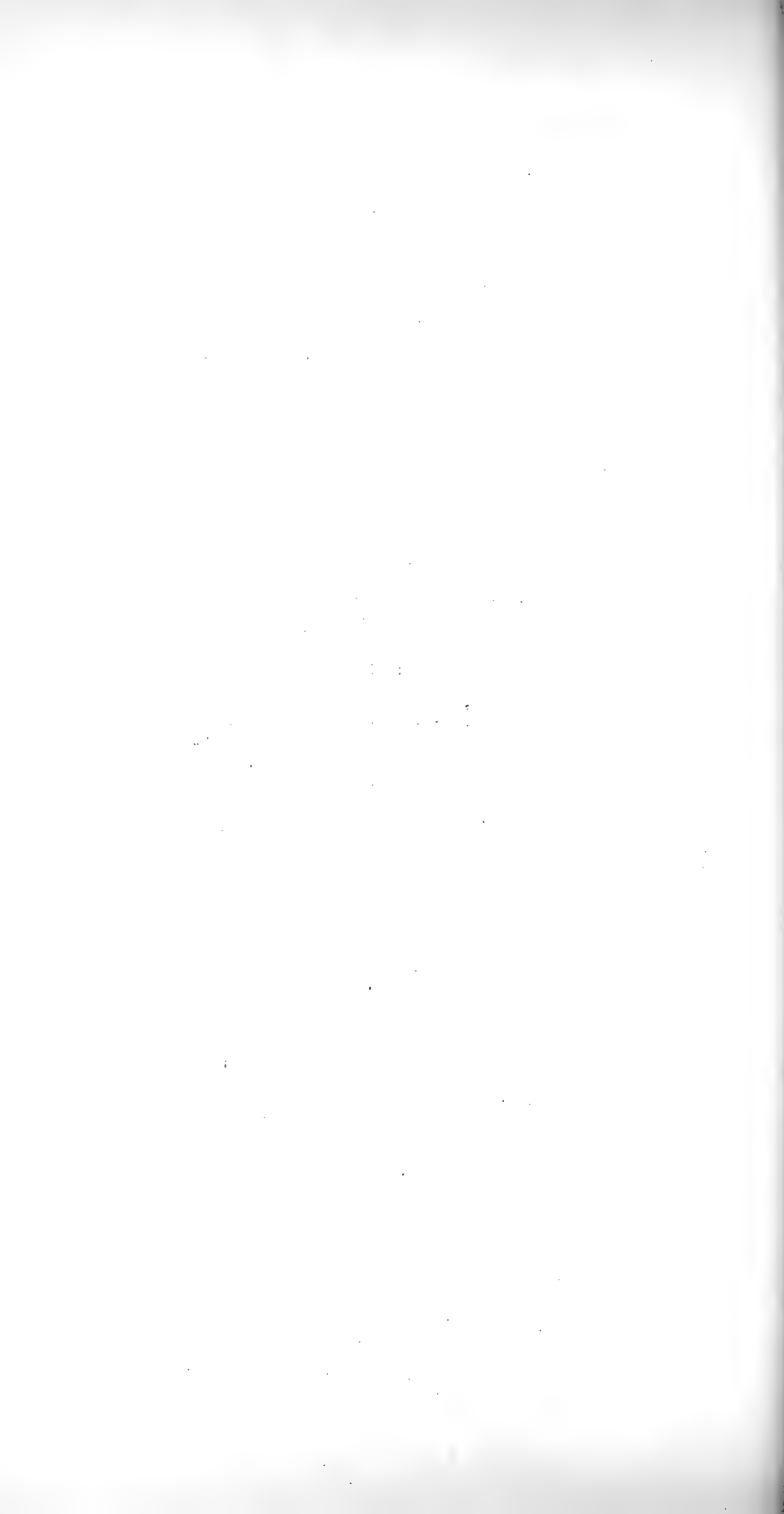
La gnososis de los citrus y un nuevo medio
preventivo y curativo Anal. Cient. Parag.
2: 408-420 Jy. 1919

Bertoni, M. S.

Límites de resistencia de las plantas
tropicales y subtropicales a las bajas
temperatures Anal. Cient. Parag. 2: 324-344
Jy. 1919 no. 5

Bertoni, M. S.

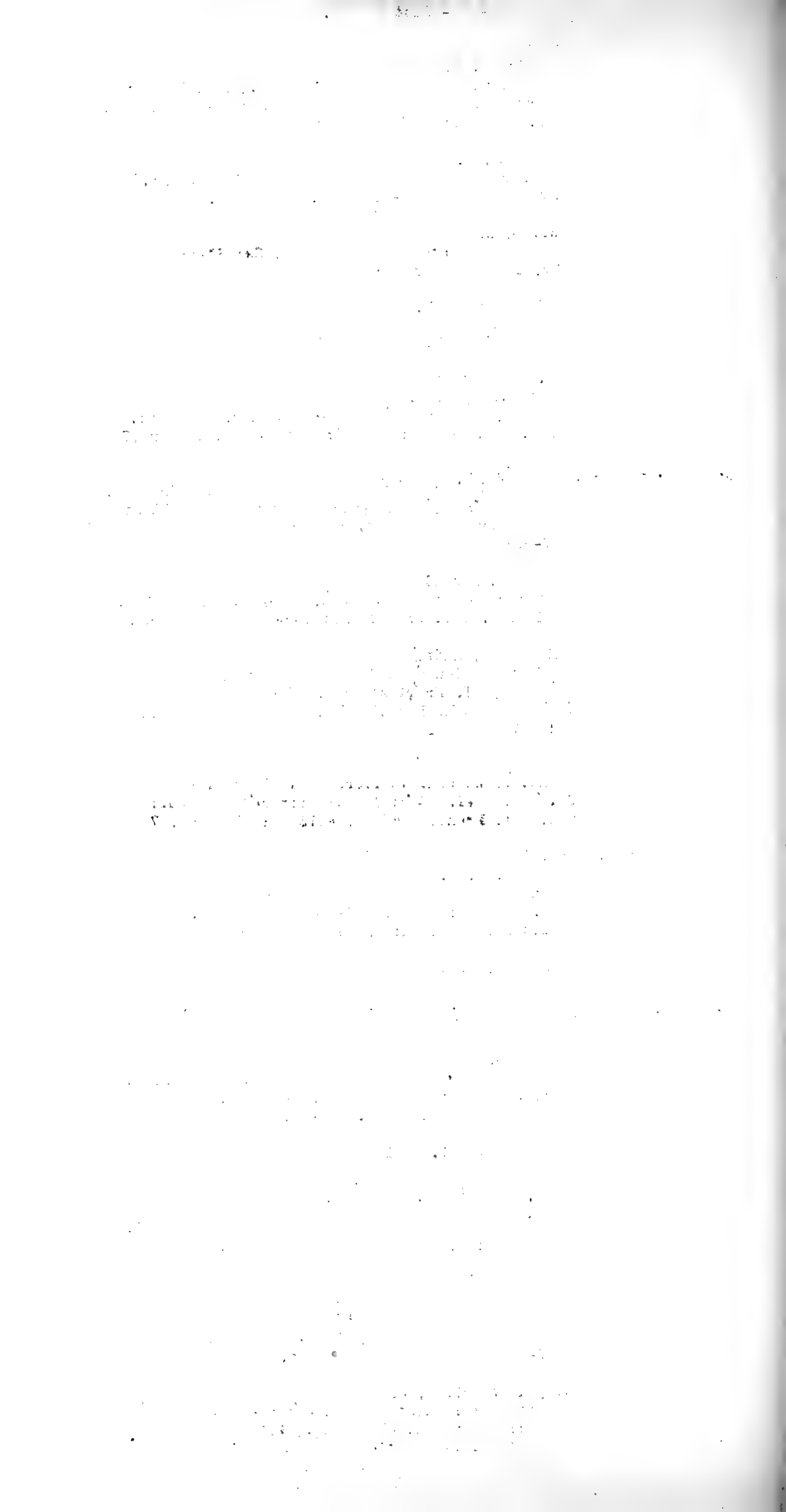
Rhizoctonia subepigea, plaga general de
las plantas y sus remedios. Anal. Cient.
Parag. 2: 422-427 Jy. 1919 no. 5



- Ann. Inst. Nat. Agron.
Eron, Georges
Note sur l'herbier Malinvaud donas' a
l'Institut national agronomique par M. G. Camus
Ann. Inst. Nat. Agron. II, 14: 145-153 1919
- Wery, G.
L'organisation scientifique de l'agriculture
aux colonies (concl.) Ann. Inst. Nat. Agron.
II, 14: 33-96 1919
- Biochem. Journ.
Rosenheim, Otto
Observations on anthocyanins I Biochem.
Journ. 14: 178-188 1920 no. 2
I. The anthocyanins of the young leaves of
the grape vine References: p. 188
- Bol. Agr. Quinta Norm. Ecuador
Pachano, Abelardo
La herrumbre del tomate y de las papas
(Puccinia pittieriana P. Henn.) Bol. Agr.
Quinta Norm. Ecuador 1: 7-12. illus. Ja. 1920
no. 1
- Bol. Soc. Espan. Hist. Nat.
Gonzalez Fragoso, Romualdo
Nuevo género y especie de hifal sobre hojas
de Sphagnum. Bol. Soc. Espan. Hist. Nat. 20:
12-14. illus. 1920
Casaresia sphagnorum (Dematiaceae)
- Bot. Gaz.
Brown, J. G.
Rot of cave fruit. Bot. Gaz. 69: 521-529
illus. Je. 1920. no. 6
Preliminary paper.
- Dupler, A. W.
Ovuliferous structures of Taxus canadensis
Bot. Gaz. 69: 492-520 illus., pl. vxxiii
Je. 1920 no. 6
Literature cited: p. 518-520
Contr. Hull Bot. Labor. 267
- Taylor, Aravilla
Ecological succession of mosses Bot.
Gaz. 69: 449-491 Je. 1920 no. 6
Literature cited: p. 491
Contr. Hull Bot. Labor. 266
- Bot. Mem. Oxford
Church, A. H.
The building of an autotrophic flagellate
Bot. Mem. Oxford no. 1 27 p. 1919
- Church, A. H.
Elementary notes on structural botany
Bot. Mem. Oxford no. 4 27 p. 1919
- Church, A. H.
Elementary notes on the morphology of the
fungi Bot. Mem. Oxford no. 7 29 p. 1920
General literature: p. 29
- Church, A. H.
Elementary notes on the reproduction of
angiosperms Bot. Mem. Oxford no. 5 24 p.
1919
General literature: p. 23
- Church, A. H.
On the interpretation of the phenomenon of
phyllotaxis Bot. Mem. Oxford no. 6 58 p.
xviii fig. on 8 pl. 1920
- Church, A. H.
Thalassiophyta and the subaerial trans-
migration Bot. Mem. Oxford no. 3 95 p.
1919



- Bryologist
Deale, A. T.
Tortula pagorum (Milde) DeNot., near Harpers
Ferry, W. Va. Bryologist 23: 33-35 illus.
pl. i My.1920 no. 3
- Burnham, S. H.
The mosses of the Lake George flora (cont.)
Bryologist 23: 38-45 My.1920 no. 3
- Herre, A. C.
Alaskan notes Bryologist 23: 37-38
My. 1920 no. 3
- Holzinger, J. M.
Bartramiopsis lescurii Bryologist 23:
35-36 My.1920 no. 3
- Bull. Soc. Bot. France
Battandier, J. A.
Aperçu sur la géographie botanique du Maroc.
Bull. Soc. Bot. France 66: 277-280 1920 no.7
- Benoist, R.
Contribution à l'étude de la flore des Guyanes,
Plantes récoltées en Guyane française en 1913 et
1914 Bull. Soc. Bot. France 66: 261-266,
317-328 1920 no. 7
- Gandoger, Michel
Sertum plantarum novarum, pars secunda (suite)
Bull. Soc. Bot. France 66: 286-307 1920 no.7
- Guillaumin, André
Contribution à la flore des Nouvelles-
Hébrides; I. Premières de la flore d'Efate
(récoltes de M. Levat) Bull. Soc. Bot. France
66: 267-277 1920
- Guillaumin, André
Matériaux pour la flore de la Nouvelle-
Calédonie II. Révision des bixacées Bull.
Soc. Bot. France 66: 310-313 1920 no. 7
- Bull. Torr. Club
Brown, F. B. H.
The refraction of light in plant tissues.
Bull. Torr. Club 47: 243-260 illus. Je.1920
Literature cited: p. 260 no. 6
- MacDougal, D. T.
The physical factors in the growth of the
tomato. Bull. Torr. Club 47: 261-269 Je.1920
No. 6.
- O'Neal, C. E.
Microsporogenesis in Datura stramonium Bull.
Torr. Club 47: 231-241 pl. 8-9 Je.1920
Literature cited: p. 240-241 no.6
- Compt. Rend. Acad. Sci. Paris
Bertrand, Paul
Constitution du système vasculaire des
fougères, des ptéridospermées et de toutes les
phanérogames anciennes. Compt. Rend. Acad. Sci.
Paris 170: 1282-1284 1920 no.21
- Chevalier, Auguste
Recherches sur les amygdalées et les pommiers
des parties froides de l'Indo-Chine et du sud de
la Chine. Compt. Rend. Acad. Sci. Paris 170:
1127-1129 1920 no. 19
- Davy de Virville, Au
Note sur la distribution géographique comparée
des Primula officinalis Jacq., Primula grandiflora
Lam. et Primula elatior Jacq. dans l'ouest de la
France Compt. Rend. Acad. Sci. Paris 170:
1068-1071 1920 no. 18



Compt. Rend. Acad. Sci. Paris.

Coupin, Henri

Sur les plantules qui verdissent à l'obscurité

Compt. Rend. Acad. Sci. Paris 170: 1071-1072
1920 no. 18

Guérin, Paul & Goris, A.

Une nouvelle plante à coumarine: *Melittis melisoc-*
phyllum L. Compt. Rend. Acad. Sci. Paris 170:
1067-1068 1920 no. 18

Souèges, René

Embryogénie des solanacées Développement de
l'embryon chez les *Hyoscyamus* et *Atropa*. Compt.
Rend. Acad. Sci. Paris 170: 1279-1281 1920
no. 21

Souèges, René

Embryogénie des solanacées Développement l'em-
bryon chez les *Nicotiana*. Compt. Rend. Acad. Sci.
Paris 170: 1125-1127 illus. 1920 no. 19

Cultura

Wolk, P. C. van der

Tropen-romantiek (geschiedenis van onze noot-
muskat-cultuur) (cont.) Cultura 32: 157-168
My. 1920 no. 380

Garden

Britten, James

Blake's plant names (concl.) Garden 84:
276 My. 29, 1920 no. 2532

Osborn, Arthur

Chinese rhododendrons. Garden 84: 270-271
illus. My. 29, 1920 no. 2532

Gard. Chron.

Bean, W. J.

The Bollwyllier pear (*Pyrus auricularis*) Gard.
Chron. III, 67: 267 illus. My. 29, 1920
illus. of *P. aria* on p. 269 no. 1744

Farrer, Reginald

Mr. Reginald Farrer's second exploration in
Asia. 18 The boundary Gard. Chron. III
67: 266 illus. My. 29, 1920 no. 1744

Gunther, R. T.

The garden of the Rev. Walter Stonehouse at
Darfield rectory, in Yorkshire, 1640 (cont.)
Gard. Chron. III, 67: 268-269 My. 29, 1920 no. 1744

Gard. Illus.

Robinson, William

Trees and shrubs for wet ground Gard.
Ullus. 42: 303-304 Je. 1920 no. 2152

Intern. Sugar Journ.

Barber, C. A.

Sugar cane seedling work in India Intern.
Sugar Journ. 22: 307-312 pl. i-ii Je. 1920
no. 258

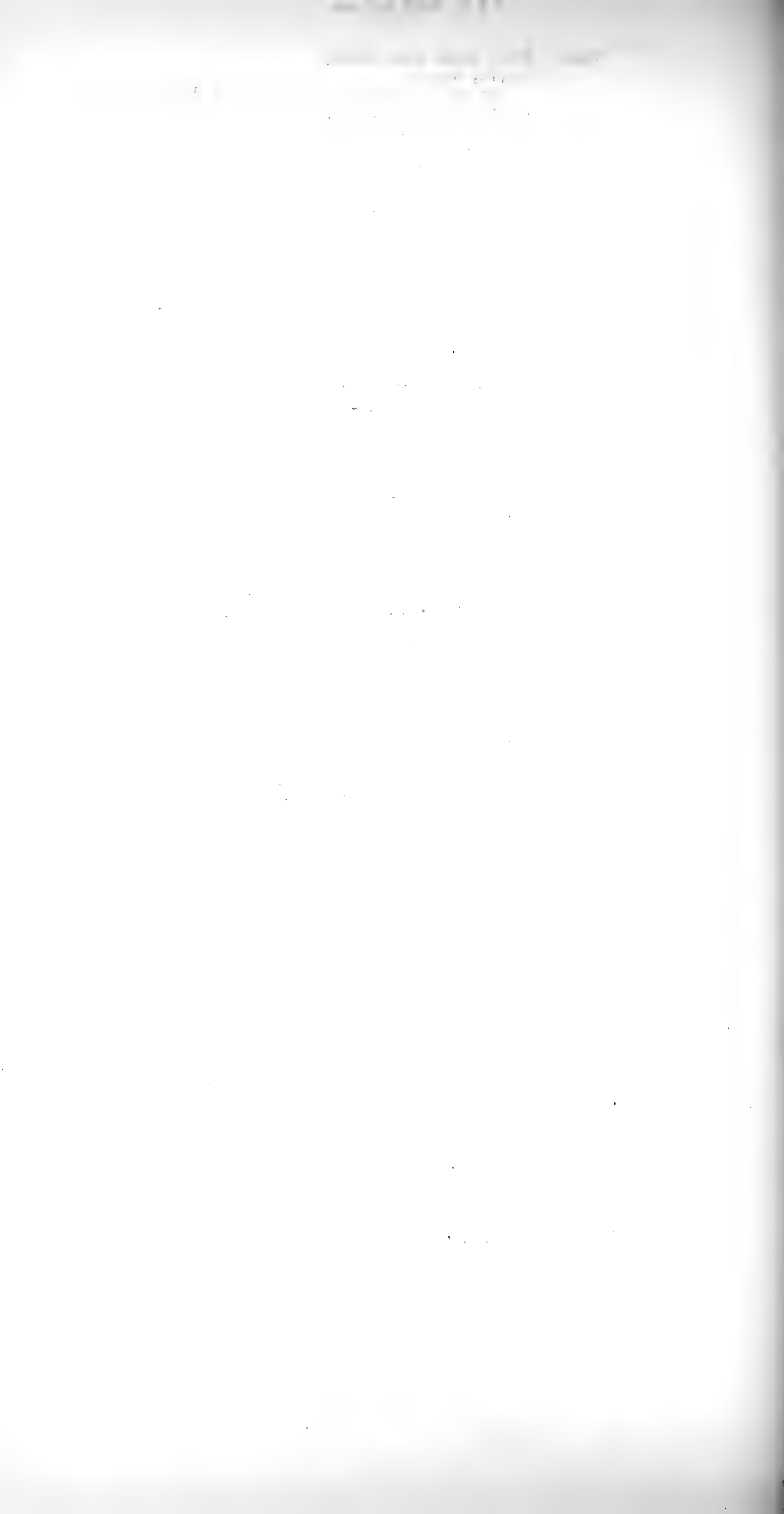
Journ. Agr. Res.

Hungerford, C. W.

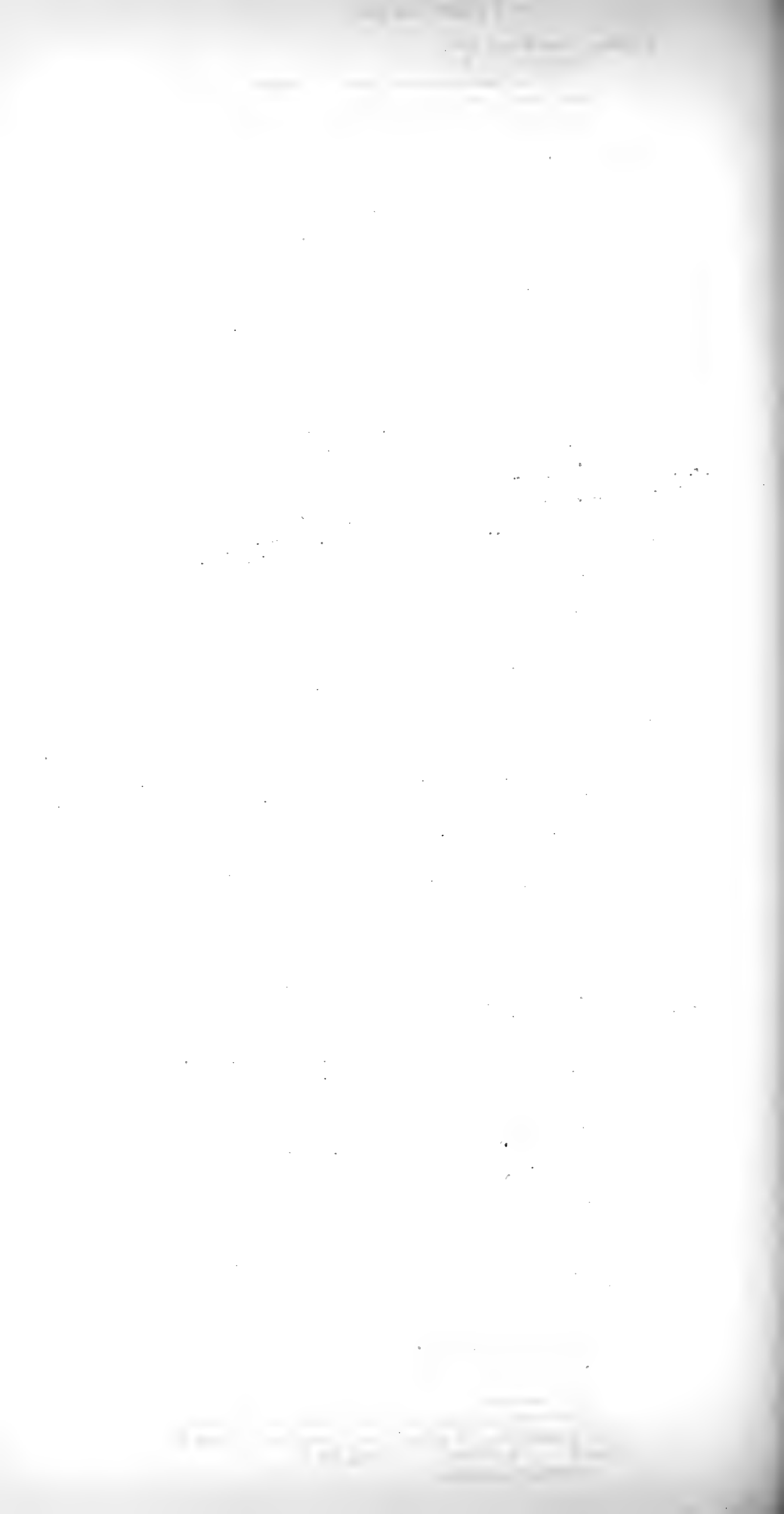
Rust in wheat and its relation to seedling infec-
tion Journ. Agr. Res. v. 19, no. 6 p. 257-278
pl. 38-47 Je. 15, 1920 no. G-195
Literature cited: p. 275-277

Schultz, E.S. & Folsom, Donald

Transmission of the mosaic disease of Irish
potatoes. Journ. Agr. Res. v. 19, no. 7, p.
315-338 pl. 49-56 Jy. 1, 1920 (Rec'd Je. 26)
no. G-197



- Journ. Amer. Chem. Soc.
McHargue, J. S.
The significance of the peroxidase reaction
with reference to the viability of seeds. Journ.
Amer. Chem. Soc. 42: 612-615 Mr. 1920
- Journ. Amer. Pharm. Assoc.
Vierhoever, Arno & Clevenger, J. F.
Relatiye content of volatile oil and ash in
sage leaves and stems Journ. Amer. Pharm.
Assoc. 9: 563-567 illus. Je.1920 no.6
- Journ. Bot. Soc. So. Afr.
Evans, I. B. P.
Our aloes, their history, distribution and
culture Journ. Bot. Soc. So. Afr. 5: 11-16
plates 1919
- Meded. Labor. Plantenz. Dep. Landb. &c. Nederl. Ind.
Dammerman, K. W.
Rapport over planten-quarantaine in Japan, Hawaii
en de Vereenigde Staten. Meded. Labor. Plantenz.
Dep. Landb., Nijverh. en Hand. Nederl. Ind.
no. 40 37 p. 1920
- Saai, C. J. J. van
Ziekten of plagen der cultuurgewassen in Neder-
landsch-Indië in 1919 Meded. Labor. Plantenz.
Dep. Landw., Nijverh. en Hand. Nederl. Ind.
no. 39 50 p. 1920
- Mitt. Deut. Landw. Ges.
Schaffnit, Ernst
Untersuchungen über die brennfleckenkrankheit
den bohnen. Mitt. Deut. Landw. Ges. 35: 299-
302 My. 29, 1920 no.22
- Month. Bull. Agr. Intell. & Pl. Dis.
Lopriore, Giuseppe
Recent biological researches on the rust affect-
ing cereals. Month. Bull. Agr. Intell. & Pl. Dis.
10: 742-746 Je. 1919 [1920] no. 6
- Notizbl. Bot. Gart. Berl.
Bornmüller, Josef
Zur flora des nördlichen Mesopotamiens. Notizbl.
Bot. Gart. Berl. 7: 133-178 S.1917 no.64
Liste der einheimischen (arabischen) pflanzonnamen:
p. 175-178
- Bornmüller, Josef
Zur flora des nördlichen Syriens. Notizbl.
Bot. Gart. Berl. 7: 1-44 My.1917 no. 63
- Dammer, Udo
Chelyocarpus Dammer nov. gen. Notizbl. Bot.
Gart. Berl. 7 (68): 44-51 Ja.1920 no. 68
C.ulei
- Engler, Adolf
Hieronymia Engl., eine neue gattung der saxi-
fragaceen. Notizbl. Bot. Gart. Berl. 7: 265-267
illus. O. 1918 no. 66
H. alchemilloides
- Engler, Adolf & Graenmer, P.
Ein neues Polygonatum Notizbl. Bot. Gart.
Berl. 7(68): 54 Ja. 1920 no. 68
P. beyrodtianum
- Harms, Hermann
Drei neue Macuna-artén aus Papuasien. Notizbl.
Bot. Gart. Berl. 7 (68): 28-30 Ja. 1920 no.68
- Harms, Hermann
Eine neue gattung der leguminosae-papilionatae
aus Papuasien. Notizbl. Bot. Gart. Berl. 7(68):
26-27 Ja. 1920 no. 68
Peekelia papuana



Notizbl. Bot. Gart. Berl.

Harms, Hermann

Meliaceae africanae Notizbl. Bot. Gart.
Berl. 7: 223-232 D. 1917 no. 65

Harms, Hermann

Ueber zwei Acanthopanax-arten von Japan
Notizbl. Bot. Gart. Berl. 7: 248 D. 1918 no. 65
A. innovans, A. fauriei

Harms, Hermann

Uebersicht über die mahagoni liefernden
meliaceen Afrikas. Notizbl. Bot. Gart. Berl.
7: 233-247 D. 1917 no. 65

Hieronymus, Georg

Ueber Cheilanthopsis Hieron., eine neue farn-
gattung Notizbl. Bot. Gart. Berl. 7: 406-
409 My. 1920 no. 69

Irmischer, Edgar

Eine neue, interessante begonie aus Neu Guinea
Notizbl. Bot. Gart. Berl. 7: 102-103 My. 1917
Begonia kelliana no. 63

Knuth, Reinhard

~~Dioscoreaceae americanae novae~~ Notizbl. Bot.
Gart. Berl. 7: 185-222 D. 1917 no. 65

Knuth, Reinhold

~~Oxaliidaceae americanae novae~~ Notizbl. Bot.
Gart. Berl. 7: 289-318 My. 1919 no. 67

Kränzlin, Friedrich

Cyrtochilum H. B. K. Notizbl. Bot. Gart.
Berl. 7: 81-101 My. 1917 no. 63

Kränzlin, Friedrich

Orchidaceae Kalbreyerianae I Notizbl. Bot.
Gart. Berl. 7: 412-451 My. 1920 no. 69

Kränzlin, Friedrich

Zwei neue und eine kritische orchidaceae.
Notizbl. Bot. Gart. Berl. 7: 319-322 My. 1919
no. 67

Krause, Kurt

Ueber die gattungen Camptopus Hook. f. und
Megalopus K. Sch. Notizbl. Bot. Gart. Berl.
7(68): 36-43 Ja. 1920 no. 68

Loesener, Theodor

Ueber eine neue Stromanthe-art Notizbl.
Bot. Gart. Berl. 7: 410-411 My. 1920 no. 69

Mez, Carl

Novae species panicearum Notizbl. Bot. Gart.
Berl. 7: 45-78 My. 1917 no. 63

Mildbraed, Johannes

Paraphyadante Mildbr. nov. gen. Flacourt. Ein
interessanter fall von "rhizanthie" aus Kamerun.
Notizbl. Bot. Gart. Berl. 7: 399-405 illus.
My. 1920 no. 69

Schlechter, Rudolf

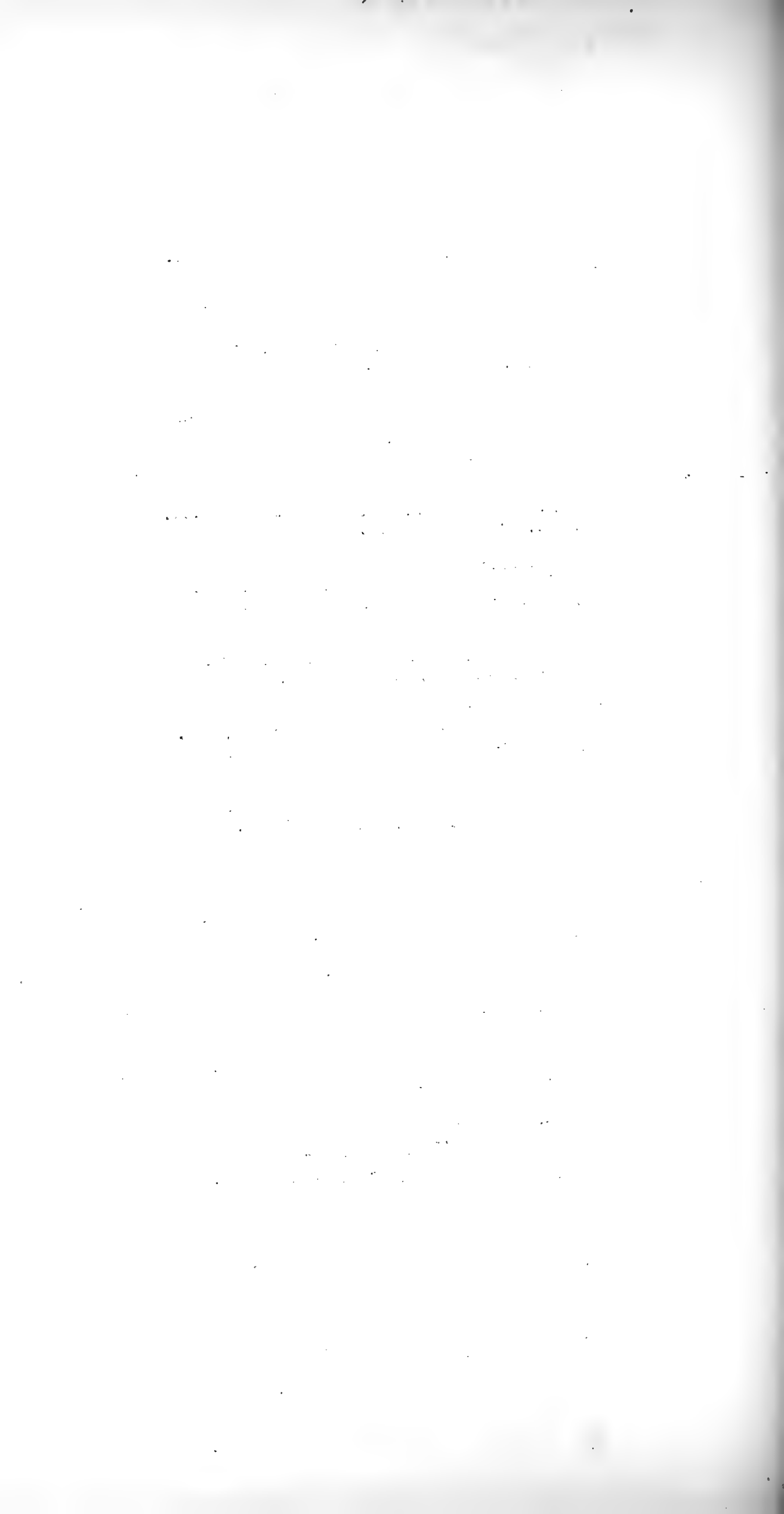
Die columelliaceae Notizbl. Bot. Gart.
Berl. 7(68): 8-18 Ja. 1920 no. 68

Schlechter, Rudolf

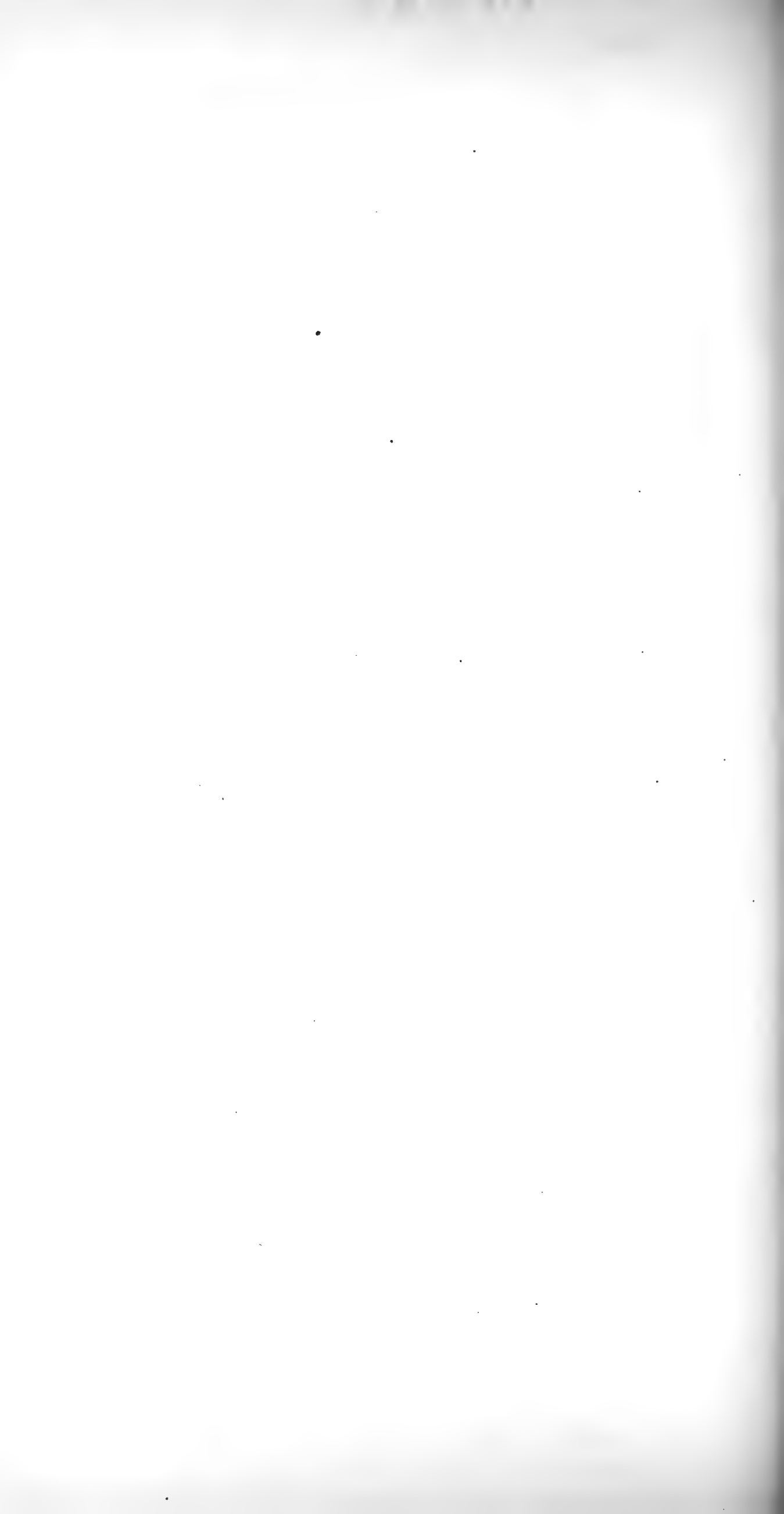
Tetradema Schltr., ein neues genus der gesneria-
ceen. Notizbl. Bot. Gart. Berl. 7(68) 15-18
Ja. 1920 no. 68

Schlechter, Rudolf

Orchidaceae novae, in caldariis Horti dählemen-
sis cultae Notizbl. Bot. Gart. Berl. 7: 268-
280, 323-330 O. 1918, My. 1919 no. 66



- Notizbl. Bot. Gart. Berl.
Schlechter, Rudolf
Eine zweite art der gattung *Androcorys* ?
Schltr. Notizbl. Bot. Gart. Berl. 7(68):
52-53 Ja. 1920 no. 68
- Ulbrich, Eberhard
Rombax stolzii n. sp., ein neuer rotwolliger
baumwollbaum aus Ostafrika Notizbl. Bot.
Gart. Berl. 7: 109-110 My. 1917 no. 63
- Ulbrich, Eberhard
Einige neue *Lupinus*-arten aus den Anden von
Peru. Notizbl. Bot. Gart. Berl. 7: 452-454
My. 1920 no. 69
- Ulbrich, Eberhard
Neue arten der gattung *Hibiscus* sect.
Bombycella DC. Notizbl. Bot. Gart. Berl.
7(68): 19-25 Ja. 1920 no. 68
- Ulbrich, Eberhard
Eine neue *sedum*-art aus dem botanischen
garten in Dahlem. Notizbl. Bot. Gart. Berl.
7: 111-112. My. 1917 no. 63
- Vaupel, Friedrich
~~Neue ostafrikanische androcorys-arten.~~ Notizbl.
Bot. Gart. Berl. 7(68): 31-35 Ja. 1920 no. 68
- Werborg, Otto
Ueber die faser liefern den *Boehmeria*-arten
Notizbl. Bot. Gart. Berl. 7(68): 1-7 Ja. 1920
no. 68
- Ohio Journ. Sci.
Jennings, O. H.
Impatiens pallida forma *speciosa* f. nov.
Ohio Journ. Sci. 20: 204 Ap. 1920 no. 6
- Proc. Amer. Soc. Hort. Sci.
Heinicke, A. J.
Concerning the shedding of flowers and fruits
and other abscission phenomena in apples and
pears Proc. Amer. Soc. Hort. Sci. 16(1919):
76-83 1920
- Proc. Nat. Acad. Sci.
Bailey, I. W.
The formation of the cell plate in the cambium
of the higher plants Proc. Nat. Acad. Sci.
6: 197-200 illus. Ap. 1920 no. 4
- Proc. Soc. Exp. Biol. & Med.
Paton, J. B.
Enzymes of pollen Proc. Soc. Exp. Biol. &
Med. 17: 60-61 1919 no. 3
- Quart. Bull. Florida St. Pl. Bd.
Florida state plant board - Dept. of citrus
canker eradication
Report... for quarter ending Mr. 31, 1920 In
its Quart. Bull. v. 1, no. 3, p. 101-102. Ap. 1920
- Stevens, H. E.
Papaya leaf blight Quart. Bull. Florida
State Pl. Bd. 4: 98-100 Ap. 1920 no. 3
Pucciniopsis caricae
- Rhodora
Holm, Theodor
Internal glandular hairs in *Dryopteris*
Rhodora 22: 89-91 illus. My. 1920 no. 257
- Kidder, N. T.
Solidago lepida var. *fallax* in Knox County,
Maine Rhodora 22: 77-78 My. 1920 no. 257



Rhodora

New England botanical club - Committee on
floral areas. Second report Rhodora
22: 80-89 My. 1920 no. 257
Committee: G. H. Knowlton, W. S. Ripley, &
C. A. Weatherby

St. John, Harold

Trillium rectistamineum, a valid species of
the southeastern United States Rhodora
22: 78-79 My. 1920 no. 257

Science

Trelease, William
The survival of the unlike Science 51:
659-605 Je. 15, 1920 no. 1329

Sci. Proc. Roy. Soc. Dublin

Mason, T. G.
On some factors affecting the concentration
of electrolytes in the leaf-sap of *Syringa*
vulgaris Sci. Proc. Roy. Dublin Soc. n.s.,
15: 651-666 no. 46
[Literature]: p. 666

Soil Sci.

Haas, A. R. C.
Studies on the reaction of plant juices
Soil Sci. 9: 341-368 pl. 1 My. 1920 no. 5
References: p. 367-368

Staz. Sper. Agr. Ital.

Traverso, G. B.
Gelato tardive ed infezione di rogna degli
olivinet 1919 Staz. Sper. Agr. Ital. 52:
463-484 illus. 1919 no. 10/12

K. Svenska Vetensk. Akad. Handl.

Juel, H. O.
Beiträge zur blutenanatomie und zur systematik
der rosaceen K. Svenska Vetensk. Akad. Handl.
v. 58 no. 5 79 [2] p. illus. 1918
Literaturverzeichnis: p. [80]

Trans. Roy. Canad. Inst.

Currie, M. E.
A critical study of the slime-molds of Ontario
Trans. Roy. Canad. Inst. 12: 247-308 pl. viii-x
Mr. 1920 no. pt. 5

White, J. H.

On the biology of *Fomes applanatus* (Pers.)
Wallr. Trans. Roy. Canad. Inst. 12: 133-174
illus. pl. ii-vii. Mr. 1920 st. 5
Literature cited: p. 170-172

U. S. Dept. Agr. Bull.

Marsh, C. D., Clawson, A. B., Couch, J. F., &
Eggleston, W. W.
The whorled milkweed (*Asclepias galioides*)
as a poisonous plant. U. S. Dept. Agr. Bull. 800
40 p. vii pl. Je. 1920
Literature cited: p. 40

Univ. Calif. Journ. Agr.

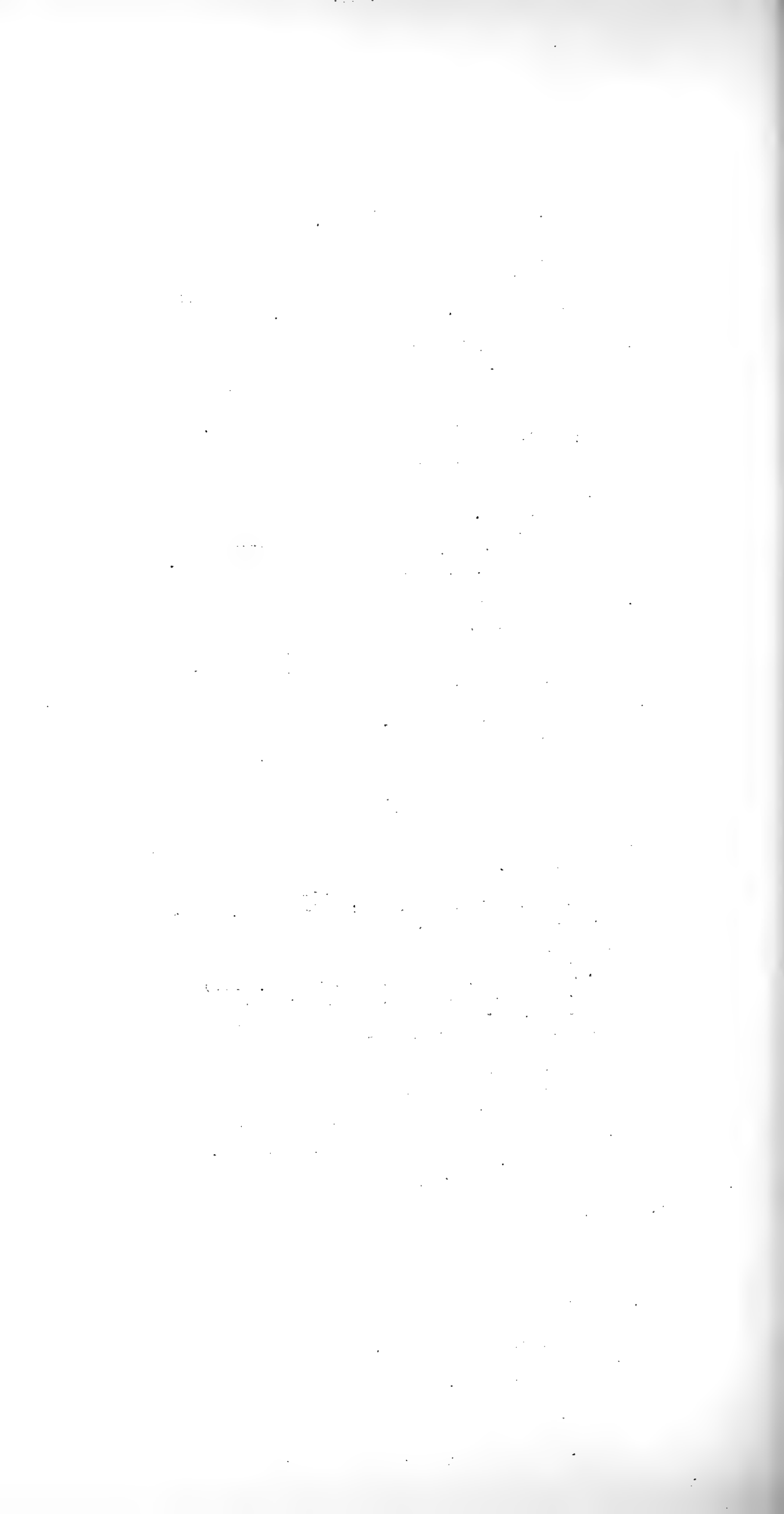
Horne, W. T.
Apricot brown rot control Univ. Calif.
Journ. Agr. 6: 7, 24 My. 1920 no. 5

Yearbk. Madras Dept. Agr.

McRae, William.
Fomes lucidus (Leys.) Fr. on *Acacia melanoxylon*
R. Br. and *Pongamia glabra* Vent. Yearbk. Madras
Dept. Agr. 1919 p. 91-95 1920

Ranga Acharya, K.

Notes on the flora of the Tinnevelly district
Yearbk. Madras Dept. Agr. 1919 p. 95-100 1920



Zeitschr. Bot.

Lehmann, Ernsy

Neuere Cenotheren arbeiten (Sammelreferat II)

Zeitschr. Bot. 12: 61-85 1920 no. 2

Literatur-verzeichnis: p. 84-85

Zeitschr. Gart.- u. Obstb.

Handel-Mazetti, Heinrich

Taiwania cryptomerioides Hayata, ein füt
unsere gärten ganz neuer nadelholz-typ.

Zeitschr. Gart. u. Obstb. I. Folge, 1: 25-27

Ap. 15, 1920 no. 3

Koeck, Gustav

Krankheiten und schädlinge der wurzeln und
knollen unserer gebräuchlichsten ziergewächse.

Zeitschr. Gart. u. Obstb. I. Folge, 1: 30-31

Ap. 15, 1920 no. 1

Löschnag, Josef

Alwin Lorgus Zeitschr. Gart. u. Obstb. II

Folge, 1: 30. My. 15, 1920

"Am. 18. märz 1920 starb in Eisenach... Alwin
Lorgus im alter von 68 jahren?"

See, Pierre

Les maladies du papier piqué' ... 1919

Thiselton-Dyer, W. T.

Flora capensis v. 5, sect. 2, pt. 3 1920

Euphorbiaceae (concl.)- Moraceae

Maiden, J. H.

Forest flora of New South Wales pt. LXIII

(v. 7, pt. 3) [1919?]

Mauritius. Dept. of agriculture

Memorandum concerning diseases of filao trees

"Casuarina equisetifolia" in Mauritius [Mau-
ritius, 1919]

4 p. 25.5cm.

Grieve, Mrs. M.

Economic trees and their by-products 1920

Zaue, Adolf

Der hafer 1918



Agr. Gaz. N. S. W.

Hamblin, C. O.

Collar rot of citrus trees. Agr. Gaz.
N. S. W. 31: 439-441 illus. Je, 1920, (no. 6)
"Constantly in association with the dis-
ease is a fungus parasite (*Fusarium limonis*)..."

Maiden, J. H.

Plants which produce inflammation or irrita-
tion of the skin. Agr. Gaz. N. S. W. 31: 386.
Je. 1920. (no. 6)

Moraceous plants: *Pseudomorus brunoniana*,
Ficus stipulata

Beih. Bot. Centralbl.

Bornmüller, Josef

Ein beiträg zur kenntnis der gattung *Cousinia*.
Beih. Bot. Centralbl. 37 (2): 207-209 pl. xi.

F. 1920. (no. 2)

C. tibetica.

Keissler, Karl von

Systematische untersuchungen über flechtenpara-
siten und lichenoiden pilze (1. teil, nr. 1-11)

Beih. Bot. Centralbl. 37 (2): 263-278 pl. xii

F. 1920 (no. 2)

Bibliographical foot notes.

Rosellinia steineriana, *Leptosphaeria galligena*,
Ovularia pelligeras new spec.

Krause, E. H. L.

Die hülsenfruchtartigen gewächse Elsass-Loth-
ringens (*Leguminosae*) Beih. Bot. Centralbl.

37: (2): 210-262 F. 1920 (no. 2)

Ber. Deut. Bot. Ges.

Gleisberg, Walther

Auffallende typenbildung bei *Vaccinium oxycoc-
cus* L. Ber. Deut. Bot. Ges. 37: 489-496 illus.

F. 1920 (no. 10)

Schulz, August

Getreidestudien I Ber. Deut. Bot. Ges.

37: 528-530 F. 1920 (no. 10)

Bibliographical foot notes

I. Abstammung und heimat des roggen.

Sierp, Hermann

Ueber den thermotropismus der keimwurzeln
von *Pisum sativum* Ber. Deut. Bot. Ges. 37:

502-511 F. 1920. (no. 10)

Steiger, Emil

Beiträge zur morphologie der *Polygala senega*

L. Ber. Deut. Pharm. Ges. 30: 43-116 1920

(no. 2)

Tiegs, E

Beiträge zur oekologie der wasserpilze: Ber.
Deut. Bot. Ges. 37: 496-501 F. 1920 (no. 10)

Literaturnachweis: p. 501

Leptomitus, *Sphaerotilus*, *Penicillium* (*P.*
fluitans n. sp.)

Weese, Josef

Beitrag zur morphologie und systematik
einiger auriculariaceengattungen Ber. Deut.

Bot. Ges. 37: 512-519 F. 1920 (no. 10)

Weese, Josef

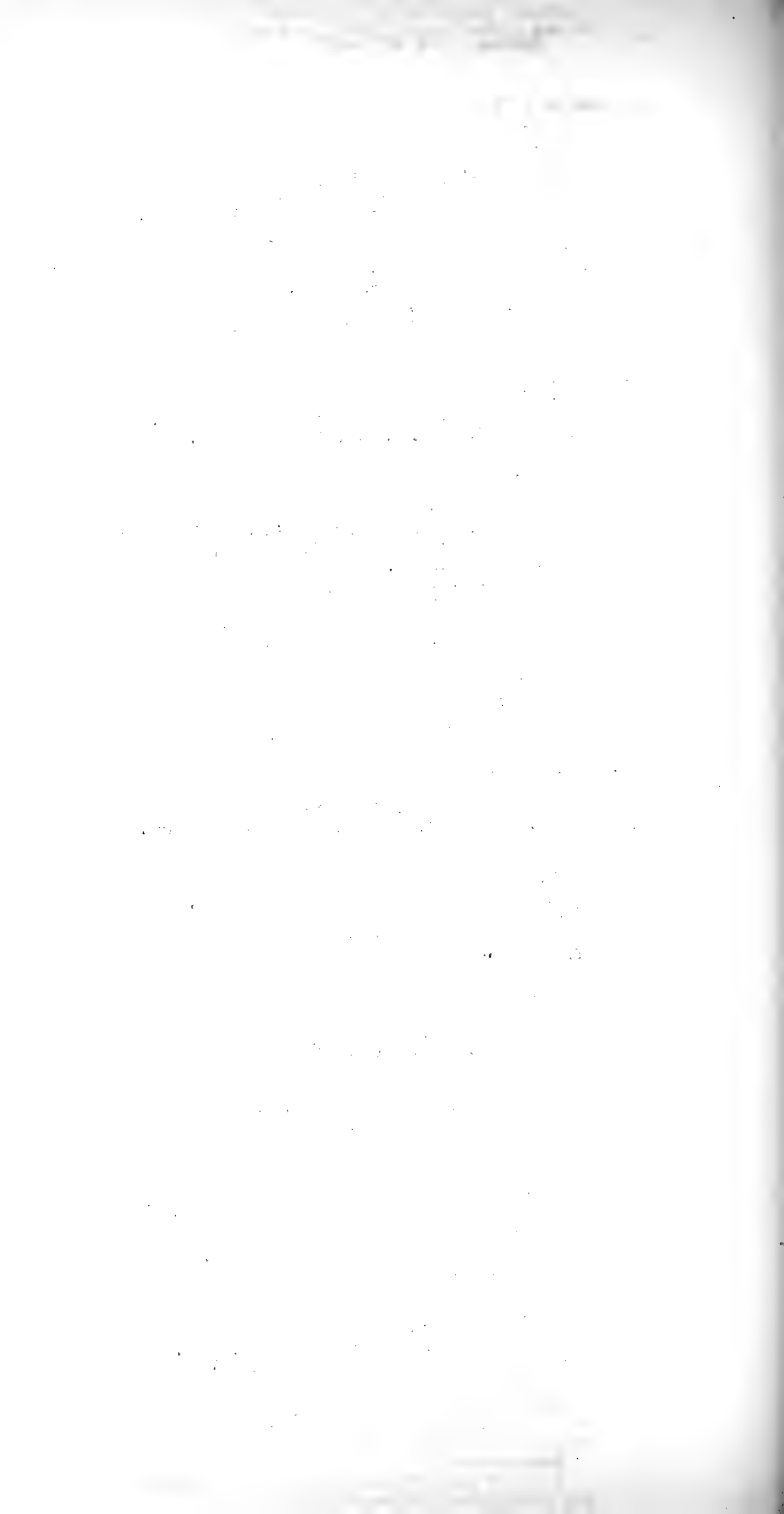
Mykologische und phytopathologische mitteilun-
gen Ber. Deut. Bot. Ges. 37: 520-527 pl. viii

F. 1920 (no. 10)

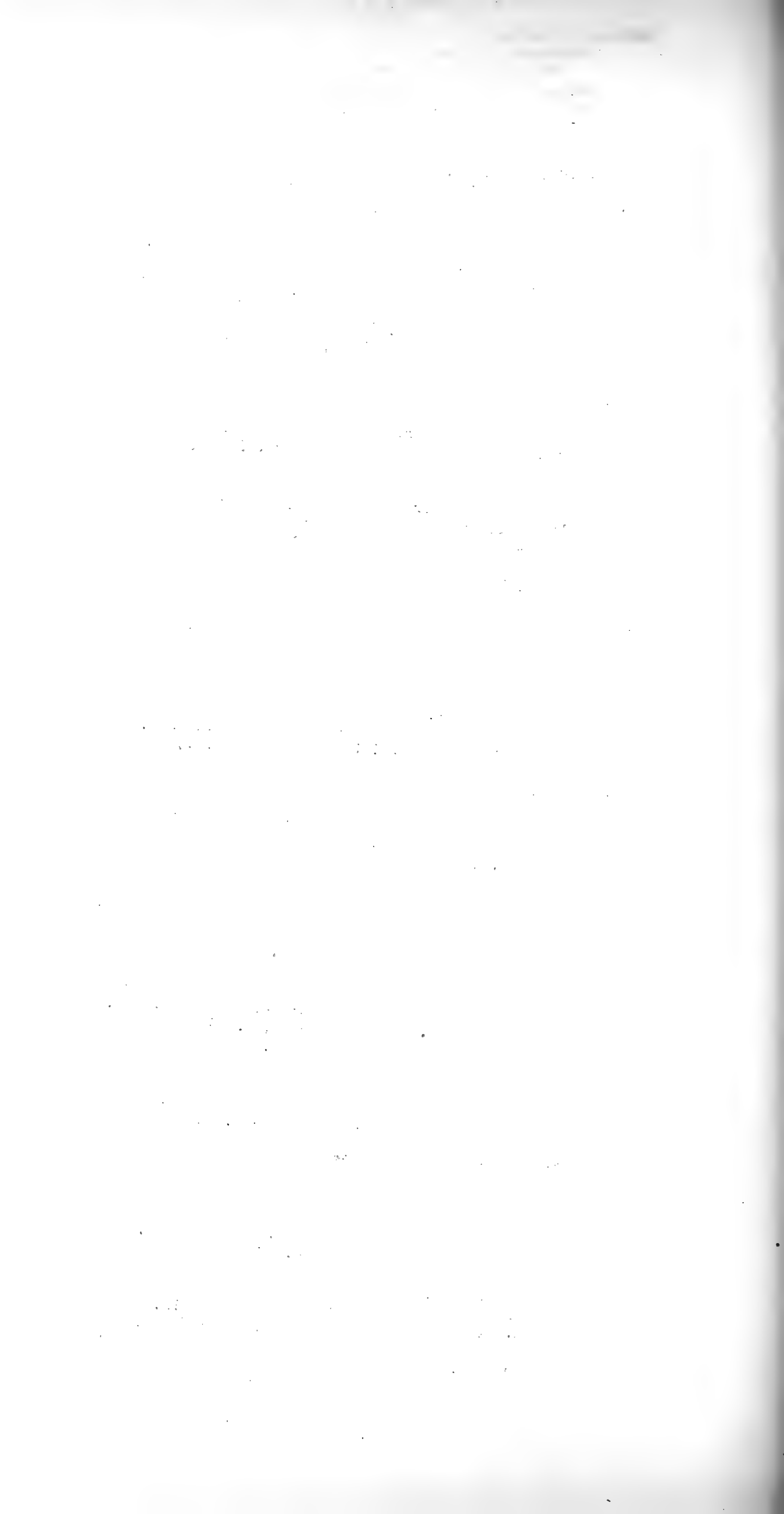
Bibliographical foot notes

I. Ueber den krebsspilz der obst-laubholzbäume.

II. Ueber einen orchideenschädling



- Biochem. Zeitschr.
Stachelin, Markus
Die rolle der oxalsäure in der pflanze.
Enzymatischer abbau des oxalations. Biochem.
Zeitschr. 96: 1-49 Jy1919 (no. 1/3)
Literaturverzeichnis: p. 47-49
- Lüers, Heinrich
Studien über die reifung der cerealien.
Biochem. Zeitschr. 104: 30-81 23, Ap. 1920
(no. 1/3)
- Blatt. Zuckerrübenb.
Uzel, Henrich
Ueber die beurteilung des rübensamens vom
phytopathologischen standpunkte aus. Blatt.
Zuckerrübenb. 26: 207-211 D. 1919 (no. 23/24)
From "Böhm. Zeitschrift"
- Bot. Jahrb. Engl.
Schellenberg, Gustav
Ueber einige arten der gattung Rourea Aubl.
Bot. Jahrb. Engl. 56: 21-29 Ja. 1920 (no. 1)
- Warming, Eugen
Bemerkungen über lebensform und standort...
Uebersetzt von H. Gams. Bot. Jahrb. Engl.
56: 1-20 Ja. 1920 (no. 1)
- Broteria ser. Bot.
Rick, Johann
Contributio ad monographiam agaricacearum
brasiliensium Broteria Ser. Bot. 18: 47
1920 (no. 1)
Lepiota albo-squamosa n. sp.
- Torrend, Camillo
Les polyporacées du Brésil Broteria Ser.
Bot. 18: 23-43 pl. 1-1v 1920 (no. 1)
- Bull. Misc. Inform. Kew
Bean, W. J.
Garden notes on new or rare trees and
shrubs (cont.) Bull. Misc. Inform. Kew
1920 p. 119-124 (no. 4)
- Dunn, S. T.
William James Tutcher Bull. Misc. Inform. Kew
1920, p. 126-138
- Kew Royal Gardens
Decades Kewenses, plantarum Novarum in herbario
hortiregii conservatarum Decas EXCVII Bull. Misc.
Inform. Kew 1920 p. 132-136 (no. 4)
Mainly from eastern Himalaya.
- Kew Royal Gardens
New orchids? decade XLVII Bull. Misc.
Inform. Kew 1920 p. 128-132 (No. 4)
- On the selection of *Hevea brasiliensis* Bull.
Misc. Information, Kew 1920 p. 113-119
- Stapi, Otto
Setaria or Chaetochloa? Bull. Misc. Inform.
Kew 1920 p. 124-127 (no. 4)
- Turrill, W. B.
Carex riparia var. gracillius in Britain.
Bull. Misc. Inform. Kew 1920 p. 141-142 (no. 4)
- Canad. Field. Nat.
Lowe, C. W.
The flora of Warren's Landing, Late Winnipeg
Man. Canad. Field Nat. 34: 26-30 F. 1920
(no. 2)
- Malte, M. O.
James Melville macoun, C. M. G. Canada. Field
Nat. 34: 38-40 port F. 1920 (no. 2)



Canad. Field Nat.

Mousley, H

Further notes on the orchids of Hatley,
Stanstead county, Quebec. Canad. Field Nat.
34: Mr.1920. (no.3)

Deut. Obstb. Zeit.

Rosenthal, H.

Amerikanische gebirgsstachelbeere (Mountain
seedling) Deut. Obstb. Zeit. 66: 91-92.
illus. 1 Ap.1920 (no.5)
Resistant variety

Ecology

Douglass, A. E.

Evidence of climatic effects in the annual rings
of trees. Ecology 1: 24-32 Ja. 1920
[Jy.1920] (no.1)

Moore, Barrington

The scope of ecology Ecology 1: 3-5
Ja. 1920 [Jy.1920] (no.1)

Wherry, E. T.

Plant distribution around salt marshes in
relation to soil acidity Ecology 1:42-48
Ja. 1920 [Jy.1920] (no.1)

Garden

Bowles, E. A.

Exochorda grandiflora Garden 84: 301
illus. Je. 12, 1920 (no.2534)

N., P. P.

Enemies and diseases of roses. Garden 84:
291 Je. 5, 1920. (no.2533)

Mildew, Sphaerotheca pannosa: Downy mildew,
Peronospora sparsa

Gard. Chron.

Dykes, W. R.

Iris laevigata Fischer Gard. Chron. III,
67: 274 col.pl. Je. 5, 1920 (no.1795)

Gunther, R. T.

The garden of the Rev. Walter Stonehouse
at Darfield rectory, in Yorkshire, 1640 (concl.)
Gard. Chron. III, 67: 296 Je.12,1920 (no.1746)

Roberts, William, Crabtree, Phillipa

A forgotten botanical artist Gard. Chron.
III, 67: 278 Je, 5, 1920 (no.1795)

Gartenfl.

Fürstenberg,

Auf zum kampf gegen schädlinge und ungeziefer
der obstbäume... Gartenfl. 69: 16-22 1920
a) Bordelaiser brühe; b) Bordola-oasta.
c) Uspulum; d) Quaißianholz und tabak. e) Urania-
grun. f) Zabulon g) Karbolineum oder nicht?
(no. 1/2-3/4)

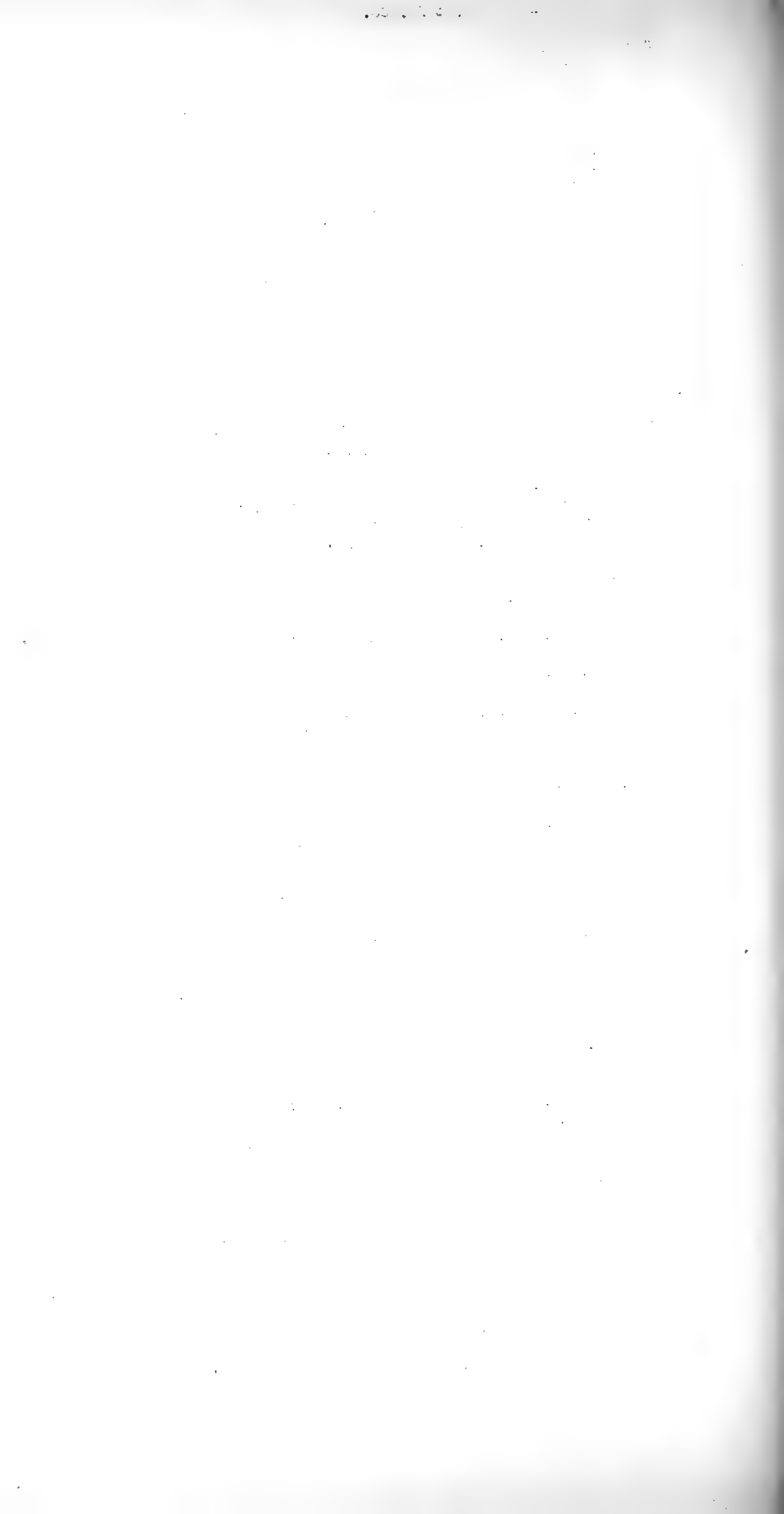
Steffen, Alexander

Aus der geschichte der garten-aurikeln.
Gartenflora, 69: 113-115 15 My.1920.
(no.9/10)

Gen. Bull. Penn. Dept. Agr.

Sanders, J. G.

The brown rot of stone fruits. Gen. Bull.
Penn. Dept. Agr. 340 (Circ. 3 Bur. Pl. Ind.)
8 p. illu. Ap. 1920



Genetica

Lotsy, J. P.

Heribert Nilsson's onderzoekingen over soortsvorming bij *Salix* met opmerkingen mijnerzijds omtrent de daarin en in publicaties van anderen uitgeoefende kritiek aan mijn soort-definitie. *Genetica* 2: 162-188 Mr. 1920. (no.2)
English resume: p. 187-188

Sirks, M. J.

De analyse van een spontane boonenhybride. *Genetica* 2: 97-114. Mr. 1920. (no.2)
Literatuur: p. 114

Hedwigia

Brause, G.

Ueber die von C. R. W. K. van Alderwerelt van Rosenburgh neu aufgestellte gattung *Thysanobotrya*. *Hedwigia* 61: 401 Mr. 1920 (no.6)

Polybotrya arfakensis Gepp is *Thysanobotrya*, belongs with *Alsophila* in *Cyatheaceae*

Overeem, C. van

Mykologische mitteilungen, Serie I. Ascomyceten. 2. St. *Hedwigia* 61: 383-389 illus., pl. 17. Mr. 1920 (no.6)

For. Ser. I, erstes stuck see Boedyn & Overeem.

2. Beitrags zur kenntnis einige helotiaceen

Overeem, C. van

Mykologische mitteilungen. Serie II. Fungi imperfecti. *Hedwigia* 61: 375-379 illus. Mr. 1920 (no.6)

1. Ueber zwei wenig bekannte schmarotzer von discomyceten (*Stephanoma strigosum* Wallr. & *Sepedonium simplex* (Corda) on *Lachnea hemisphaeris* S. *simplex* (Corda) Lindau, new diagnosis.

Hereditas

Akerman, Ake

Speltlike bud-sports in common wheat. *Hereditas* 1: 116-127 illus. 1920 (no.1)

Bibliography: p. 126-127

Heribert-Nilsson, Nils

Zuwachsgeschwindigkeit der pollenschäläuche und gestörte mendelzahlen bei *Oenothera lamarckiana* *Hereditas* 1: 41-67 illus. 1920 (no.1)

Zitierte literatur: p. 66-67

English summary: p. 64-66

Nilsson-Ehle, Hermann

Ueber resistenz gegen *Heterodera schachtii* bei gewissen gersten-sorten; ihre vererbungsweise und bedeutung für die praxis. *Hereditas* 1: 1-34 illus. 1920. (no. 1)

Literatur: p. 33-34

Rasmuson, Hans

Ueber einige genetische versuche mit *Papaverrhoeas* und *Papaver laevigatum*. *Hereditas* 1: 107-115, 1920. (no.1)

Literatur: p. 115.

Rasmuson, J.

Mendelnde chlorophyllfaktoren bei *Allium cept* (Vorläufige mitteilung) *Hereditas* 1: 128-134, 1920

Literatur: p. 134

Tedin, Hans

The inheritance of flower colour in *Pisum* *Hereditas* 1: 68-97 illus. col. pl. 1, 1920
Literature cited: p. 97



Jahrb. Wiss. Bot.

Mirch - Hirschfeld, Luise

Untersuchungen über die ausbreitungsge-
schwindigkeit gelbster stoffe in der pflanze.
Jahrb. Wiss. Bot. 59: 171-262 1920. (no.2)
Literatureverzeichnis: p. 261-262

Journ. Bact.

Meacham, M. R., Hopfield, J.H., Acree, S.F.

A method of determining the relative toxic-
ity of sodium, potassium, lithium and other
ions toward *Endothia parasitica*: data on
sodium chloride. Journ. Bact. 5: 309-313
My. 1920 (no.3)

Meacham, M. R., Hopfield, J.H., & Acree, S.F.

The relative effect of phosphate-acetate
and of phosphate-phthalate buffer mixtures
upon the growth of *Endothia parasitica* on
malt extract and corn meal media. Journ. Bact.
5: 305-308 My. 1920

Society of American bacteriologists - Committee
on characterization and classification of bact-
erial types.

The families and genera of bacteria; Final
report Journ. Bact. 5: 191-229. My. 1920. (no.3)
References: p. 226-229

Society of American bacteriologists - Committee
on the descriptive chart.

Report, Pt. II. Report of progress during
1919; Pt. III. A modification of the gram stain.
[By] K. N. Atkins, Journ. Bact. 5: 316-319,
321-324 My. 1920 (no.3)

Journ. Bot.

Dritten, James

Eugenia lucida Journ. Bot. 58: 151-152
Je. 1920 (no.690)

Ridley, H. N.

New Malayan plants Journ. Bot. 58: 147-149
Je. 1920. (no.690)

Peripetasma polyanthum (Menispermac.),
Tinospora curtisii, *Scaphocalyx spathacea*, S.
parviflora (Flacourtiac.)

Journ. Coll. Sci. Tokyo

Sakamura, Tetsu

Experimentelle studien über die zell - und
kernteilung mit besonderer rücksicht auf form,
grösse und zahl der chromosomen. Journ. Coll.
Sci. Tokyo v. 39, art. 11 221 p. vii pl.
Mr. 1920.

Literatur-verzeichnis: p. 200-209

Contributions of cytology and genetics from
the Departments of plant morphology and genetics,
Science college, Imperial university, Tokyo, (no.28)

Journ. Roy. Micr. Soc.

Arber, Agnes (Robertson)

Studies on the binucleate phase in the plant-
cell. Journ. Roy. Micr. Soc. 1920, p.1-21.
pl. 1. Mr. 1920 (no.1)
List of memoirs cited, p. 21

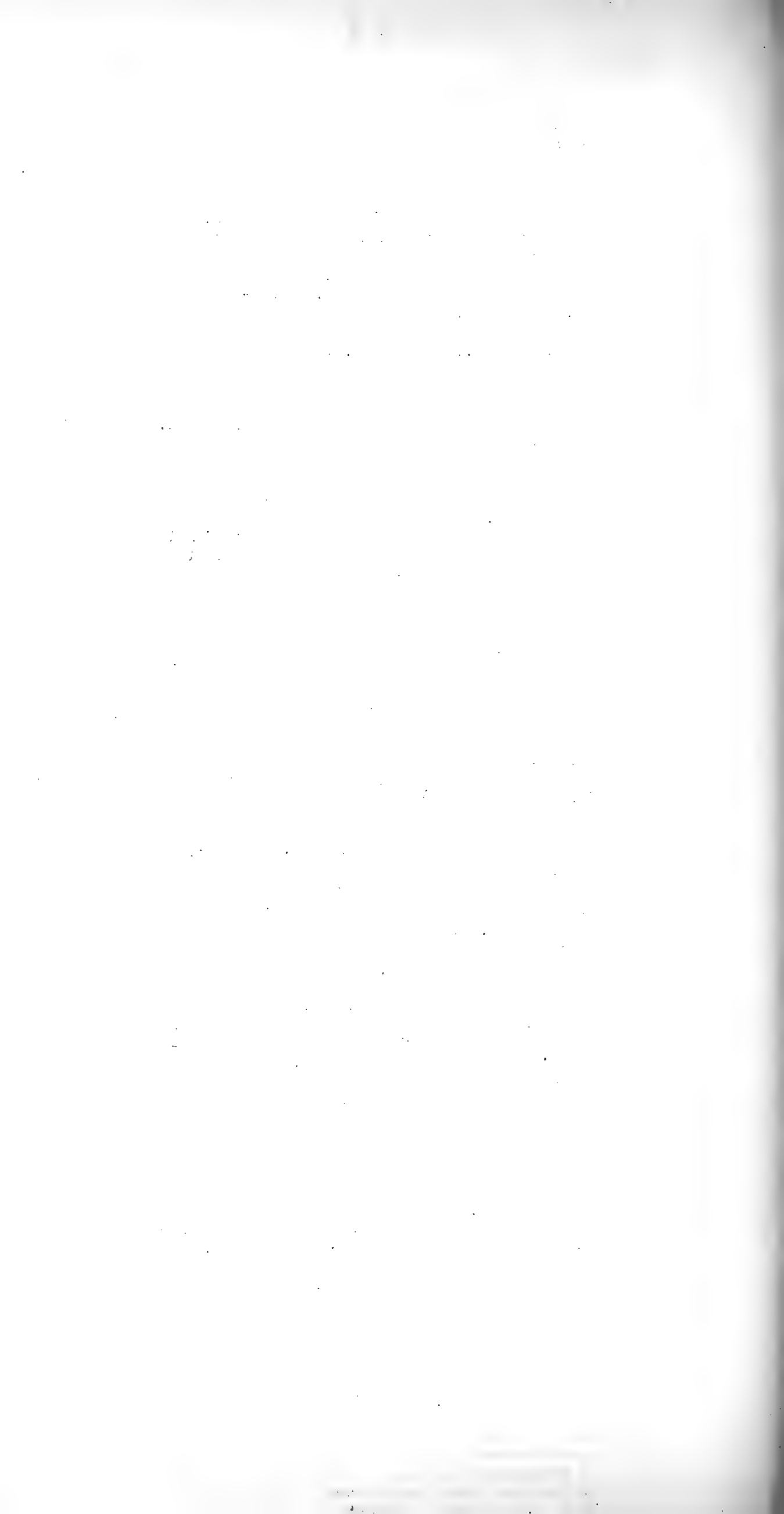
Beer, Rudolf & Agnes Arber

On multinucleate cells: an historical study
(1879-1919) Journ. Roy. Micr. Soc. 1920,
p. 23-31. Mr. 1920 (no. 1)
List of memoirs cited, p.30-31

Monatsschr. Kakteenk

Meyer, Rudolf

Echinopsis calochlora K. Sch. var *claviformis*
R. Mey. var. nov. Monatsschr. Kakteenk. 30:
74. pl. My. 1920 (no.5)



Monatsschr. Kakteenk.

Schwantes, G.

Mesembrianthema sphaeroidea. Monatsschr.
Kakteenk. 30: 77-79: illus. My. 1920 (no.5)
M. augeiforme

Vaupel, Friedrich

Cereus candelaris Meyen Monatsschr. Kak-
teenk. 30: 63-64 Ap.1920 (no.4)

Vaupel, Friedrich

Einige vergessene Mamillarien. Monatsschr.
Kakteenk. 30: 55-57 Ap.1920 (no. 4)

Species described by Coulter in Preliminary
revision of the North American species of Cactus
&c.

Weingart, Wilhelm

Opuntia rufida Engelm. Monatsschr. Kakteenk.
30: 73-74 My. 1920 (no.5)

Month. Bull. Dept. Agr. Calif.

Fawcett, H. S. & Batchelor, L. D.

An attempt to control walnut blight. Month.
Bull. Dept. Agr. Calif. 9: 172-178 illus. My/
Je. 1920 (no.5/6)

"... by a careful elimination of "hold-over"
twig lesions followed by a thorough spraying of
the trees."

Naturwissenschaften

Fischer, Hugo

Pflanzenmetamorphose und abstammungslehre.
Naturwissensch. 8: 268-271. Ap. 9, 1920.
(no. 14/15)

Naturw. Wochenschr.

Killermann, Sebastian

Die ersten nachrichten und bilder von der
kokospalme und vom drachenbaum. Naturw. Wochen-
schr. n.f., 19: 305-310 illus. 16 My.1920
(no.20)

Weber, Friedl

Hormone in pflanzenreiche Naturw. Wochen-
schr. n.f., 19: 241-253 Ap.18,1920 (no.16)
Literatur : p. 253

New Phytol.

Blackman, V. H.

The significance of the efficiency index of
plant growth. New Phytol. 19: 97-100 Mr./
Ap. 1920 (no.314)

Gates, R. R.

Mutations and evolution II-III New Phytol.
19: 64-88 Mr./Ap. 1920 (no.314)

Kidd, Franklin, West, Cyril, & Briggs, G. E.

What is the significance of the efficiency
index of plant growth? New Phytol. 19: 88-96
Mr./Ap. 1920

Literature cited: p. 96

Small, James

A theory of geotropism: with some experiments
on the chemical reversal of geotropic response
in stem and root. New Phytol. 19: 49-63 illus.
pl. i Mr./ Ap. 1920 (no.314)

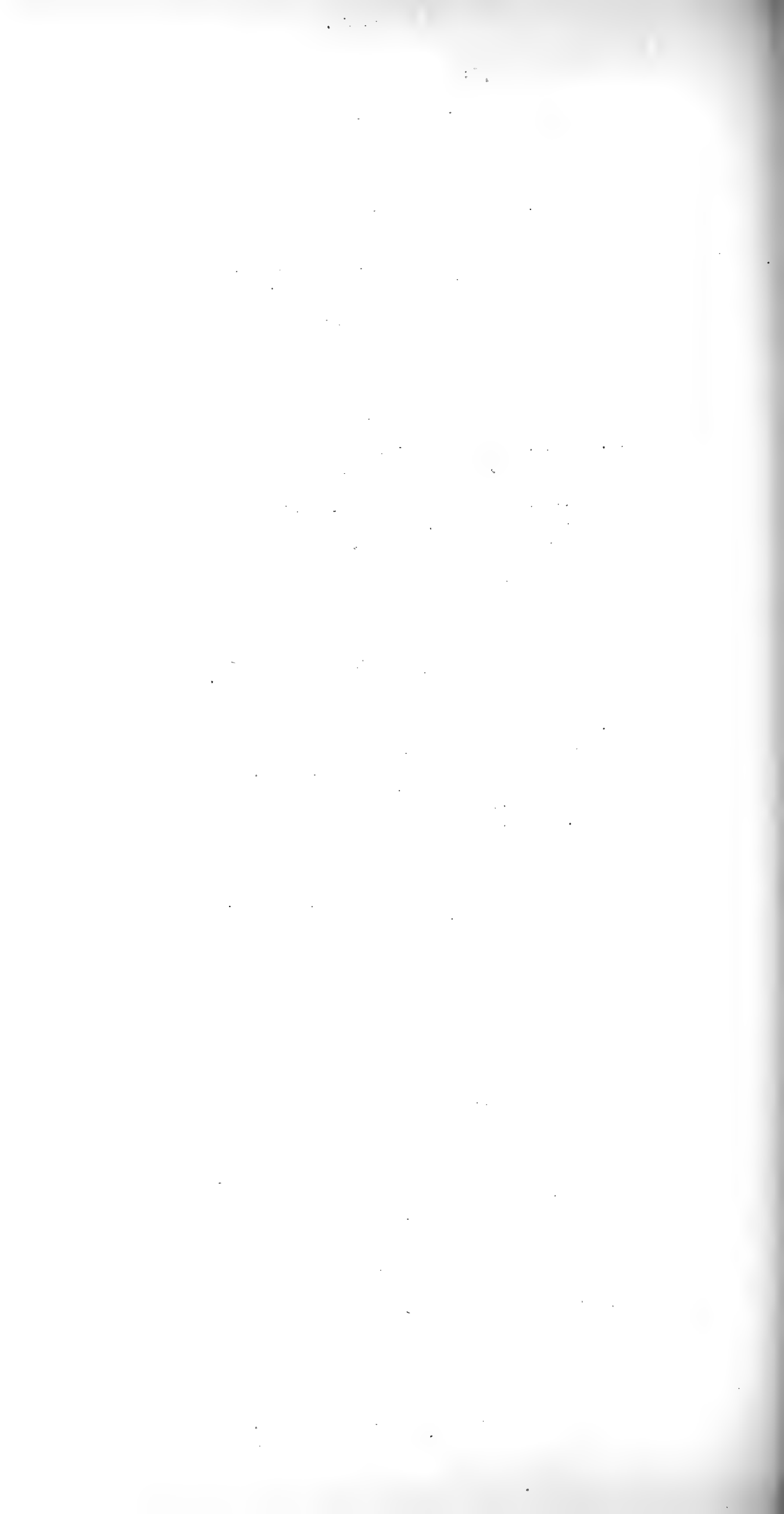
Bibliography: p: 62-63

New Zeal. Journ. Agr.

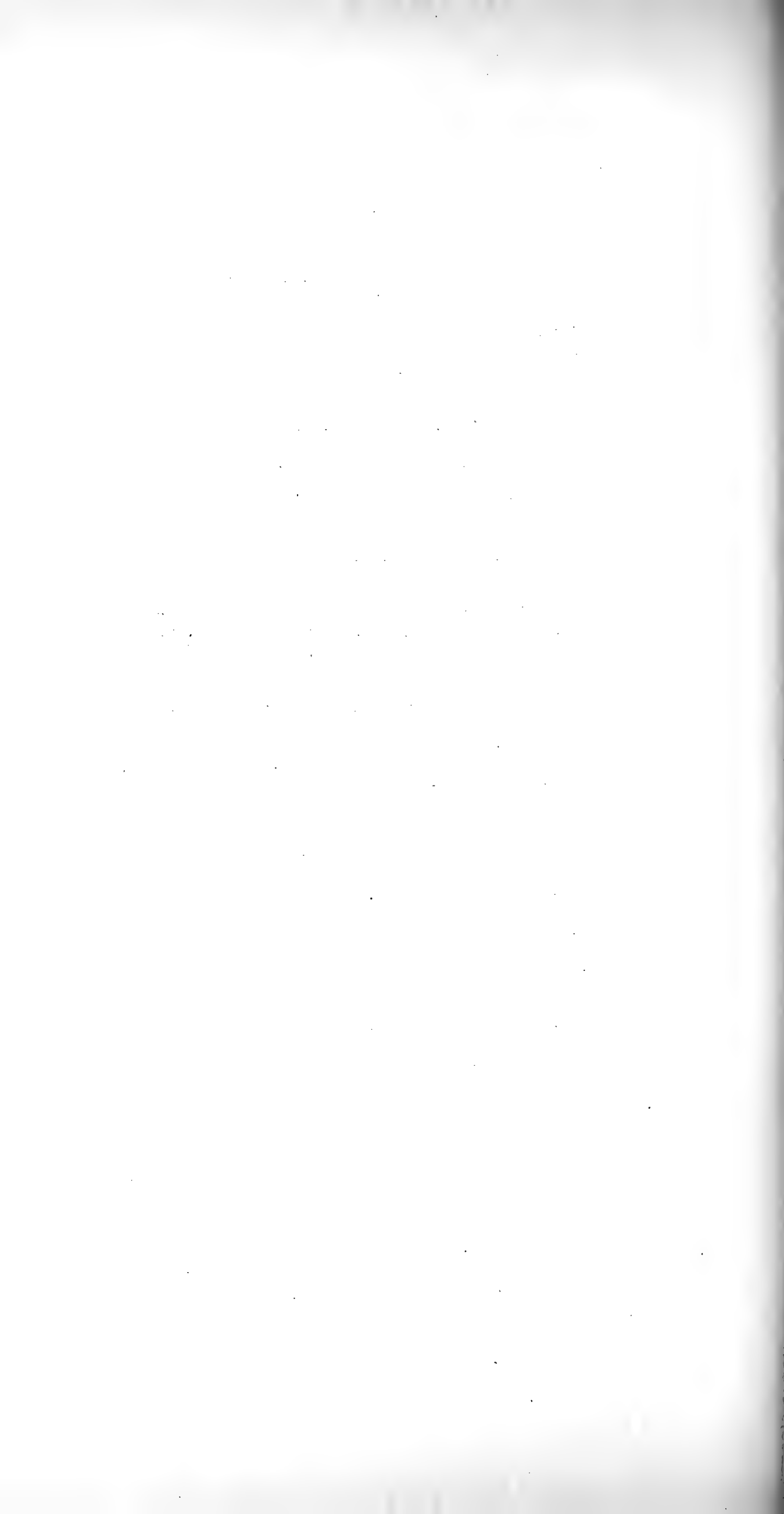
Atkinson, E. H.

Weeds and their identification (cont.) New
Zeal. Journ. Agr. 20: 299-301 illus. My.1920
(no. 5)

Lantana camara



- New Zeal. Journ. Agr.
Waters, R.
Take-all disease in wheat, etiology of
Ophiobolus graminis Sacc. New Zeal. Journ.
Agr. 20: 287-288 My. 1920 (no.5)
- Orchis
Schlechter, Rudolf
Die gattung *Eulophiella* Rolfe. Orchis,
14: 24-30 illus. 15 ap. 1920 (no.2)
- Schlechter, Rudolf
Vanda concolor Bl. Orchis, 14: 21-24
15. Ap. 1920. (no.2)
- Pharm. Zentralh.
Grünne, Clemens
Ist die rangoonbohne wirklich giftig oder
doch wenigstens als schädlich für den men-
schlichen genuss anzusprechen? Pharm. Zentralh.
61: 159-164 Mr. 18, 1920 (no.12)
- Prakt. Blätt. Pflanzenb. u. Pflanzensch.
Gentner, Georg
Die erkennung des erregers der streifen- und
flockenkrankheit der gerste an saatgut. Prakt.
Blätt. Pflanzenb. u. Pflanzensch. II, 17: 126-
131 S./D. 1919 (no.9/12)
- Hiltner, Lorenz
Schädigungen der kulturpflanzen durch kalk-
mangel im boden. Prakt. Blätt. Pflanzenb. u.
Pflanzensch. 30: 131-134 S./D. 1919 (no.9/12)
- Hiltner, Lorenz
Ueber die bisherige und die zukünftige der
Landesanstalt für pflanzenbau und pflanzenschutz
(früher K. Agrikulturbotanische anstalt) Prakt.
Blätt. Pflanzenb. u. Pflanzensch. 30: 98-126
S./D. 1919 (no.9/12)
- Proc. Roy. Soc. Ser. B.
Briggs, G. E.
The development of photosynthetic activity
during germination Proc. Roy. Soc. Ser. B. 91:
249-268 Je. 1920 (no.639)
Pt. XIII of Experimental researches on vegeta-
ble assimilation and respiration.
- Queensl. Agr. Journ.
White, C. T.
The Weir vine (*Ipomoea calobra*) Queensl.
Agr. Journ. 13: 269-272. illus. Je. 1920 (no.6)
With notes on its reputed poisonous properties
[also possibilities as food plant], based on in-
formation supplied by Donald Gunn.
- Rev. Gén. Sci.
Vuillemin, Paul
Eliie Boudier (1828-1920) - Pier Andrea Saccar-
do (1845-1920) Rev. Gen. Sci. 31: 233-234 Ap. 30,
1920 (no.8)
- Rev. Inst. Rech. Agr. Bulgarie
Nedielshev, N.
...La brunissure de la vigne. Rev. Inst. Rech.
Agr. Bulgarie 1: 189-191 1920 (no.2/3)
Bulgarian text with French Résumé
- Seed World
Munn, M. T.
Seed-borne plant diseases. Seed World v.5,
no. 10, p. 20-21 Je. 20, 1920 (no.10)
- Tijdschr. Plantenz.
Slogteren, E. van
De nematoden-bestrijding in de bloembollen-
streek Tijdschr. Plantenz. 26: 118-139 pl.
vi-vii 1920 (no.4)
Tylenchus devastatrix



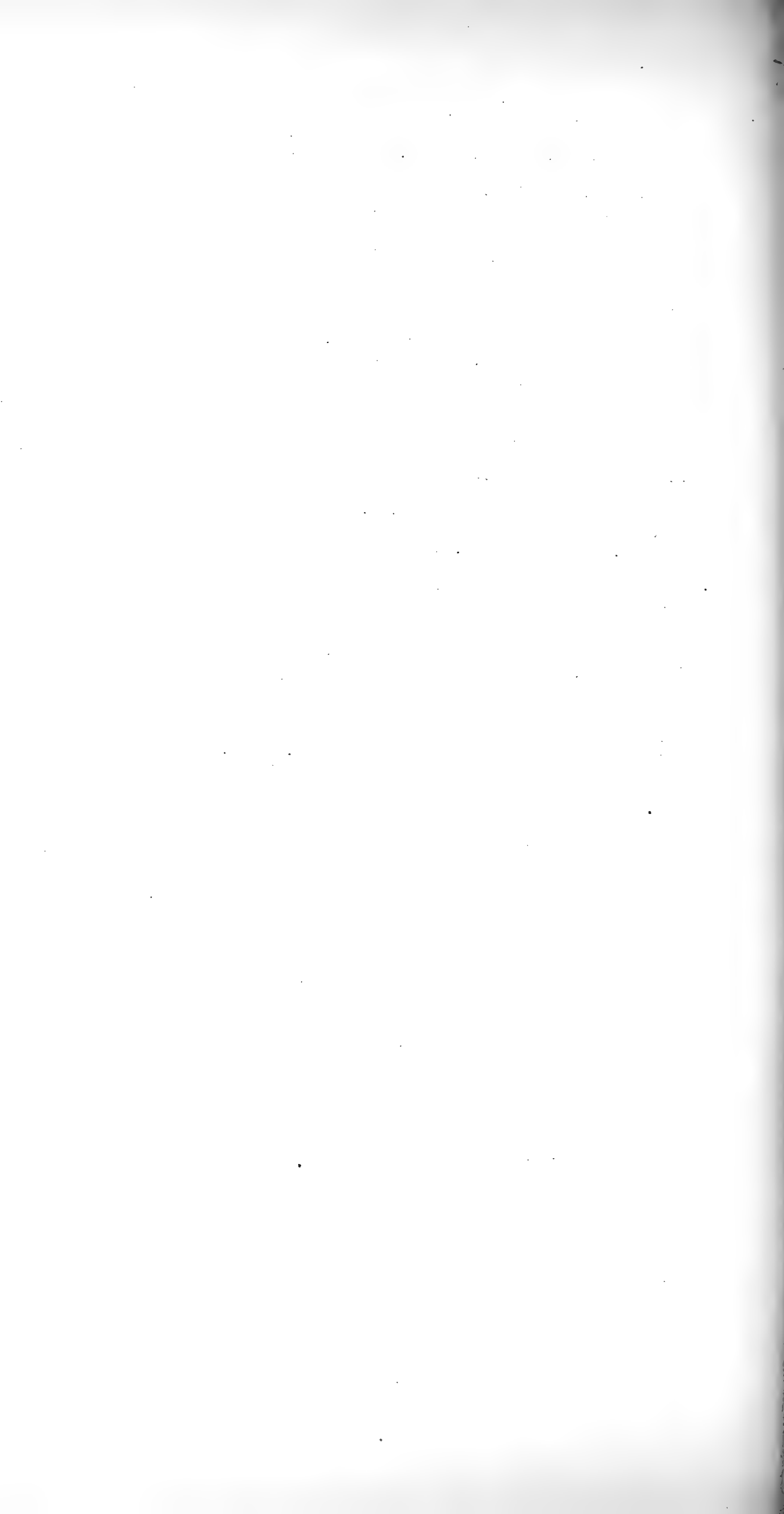
U. S. Dept. Agr. Bull.
Shamel, A. D., Scott, L. B., Pomeroy, C. S. &
Dyer, C. L.
Citrus-fruit improvement a study of bud
variation in the Eureka lemon U.S. Dept. Agr.
Bull. 813 88 p. illus. Je. 25, 1920

U. S. Dept. Agr. Circ.
Marsh, C. D.
The whorled milkweed, a plant poisonous to
live stock. U.S. Dept. Agr. Circ. 101 2 p.
illus. My. 1920

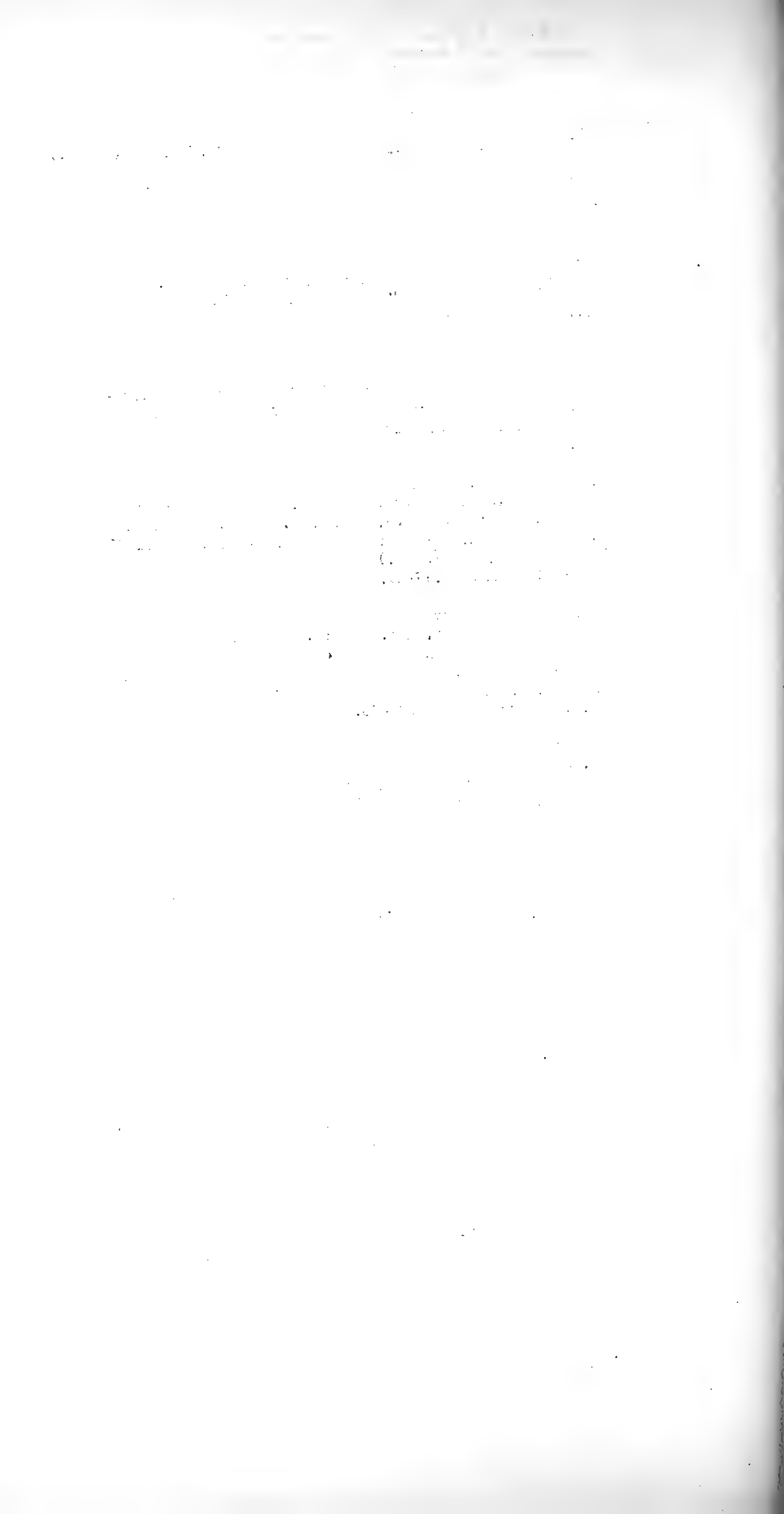
U. S. Dept. Agr. Farm. Bull.
Fisher, D. F.
Control of apple powdery mildew. U. S. Dept.
Agr. Farm. Bull. 1120 14 p. illus. My. 1920

New Books

- Brown, W. H.
99.9 Philippine fiber plants Bull. Philipp. Bur.
P535B Bur. For. no. 19 1919
- 99.9 Brown, W. H. & Merrill, E. D.
P535B Philippine palms and palm products. Bull.
Philipp. Bur. For. no. 18 1919
- 461.3 Casares Gil, Antonio
C26 Flora Iberica. Briófitas (primera parte)
Hepática 1919
- 93 Landes-Obstbauverein für Niederösterreich
L23 Empfehlenswerte Obstsorten. 1 fg. VIII
[n. d.]
- 396 Techirch, Alexander
T78H Handbuch der Pharmazognosis 1 fg. 43-44.
1917
Completing the work.



- Agr. News.
The jujube. Agr. News 19: 203 Je. 25, 1920. (no. 474)
The value of botanic gardens. Agr. News 19:
193-194, Je. 25, 1920. (no. 474)
- Amer. Fruit Grow.
Crickshank, Robert Bacon, 1885-
Apple blotch in Ohio and its control. Amer.
Fruit Grow. v. 40, no. 7, p. 20, 24. illus.
Jl. 1920. (no. 7)
- Ann. Missouri Bot. Gard.
Allen, E R
On carbohydrate consumption by *Azotobacter chroococ-*
cum. Ann. Missouri Bot. Gard. 7: 75-79. F. 1920
[Rec'd Jl. 1920] (no. 1)
Literature, p. 79
Duggar, Benjamin Minge
Hydrogen ion concentration and the composition of
nutrient solutions in relation to the growth of seed
plants. Ann. Missouri Bot. Gard. 7: 1-49. F. 1920
[Rec'd Jl. 1920] (no. 1)
Bibliography, p. 47-49.
Zeller, Sanford Myron
Humidity in relation to moisture imbibition by wood
and to spore germination on wood. Ann. Missouri
Bot. Gard. 7: 51-73. pl. 1. F. 1920 [Rec'd Jl.
1920] (no. 1)
Literature cited, p. 72-73.
- Arch. Suikerind. Ned. Indië
Wolzogen Kühr, C A H von
Het zure bibitrot bij het suikerriet. Arch.
Suikerind. Ned.-Indië, 1920: 703-756. illus.,
17 pl. My. 1920 (no. 19)
- Better Fruit
Howard, Walter Lafayette
Brown rot of apricots and its prevention. Better
Fruit, 15: 7. Jl. 1920
- Biol. Zentralbl.
Tischler, Georg
Über die sogenannten "Erbsubstanzen" und ihre
lokalisation in der pflanzenzelle. Biol. Zen-
tralbl. 40: 15-28. Ja. 1920 (no. 1)
Zitierte literatur, p. 26-28.
- Bull. Imp. Inst. Gt. Brit.
Bevan, W
Notes on agriculture in Cyprus. I-II. Bull. Imp.
Inst. Gt. Brit. 17: 302-358, 494-543. map., pl. i-vii.
1919 [1920] (no. 3-4)
- Calif. Citrogr.
Quayle, H J
How to avoid injury to young trees in fumigating
with liquid gas. Calif. Citrogr. 5: 322-323.
illus. Ag. 1920 (no. 10)
- Canad. Hort.
Caesar, Lawson
Insects and diseases in cherry orchards. Canad.
Hort. 43: 191-192 Jl. 1920 (no. 7)



Centralbl. Bakt. Abt. II

Liesegang, Raphael Ed

Gegenseitige wachstumshemmung bei pilzkulturen.

Centralbl. Bakt. Abt. II. 51: 85-86. illus.

Ap. 24, 1920. (no. 1/4)

Pringsheim, Ernst Georg

Über die gegenseitige schädigung und förderung
von bakterien. Centralbl. Bakt. Abt. II. 51:

72-85. Ap. 24, 1920 (no. 1/4)

Stapp, C

Botanische untersuchungen einiger neuer bakterien-
spezies, welche mit reiner harnsäure oder hippur-
säure als alleinigen organischen nährstoff auskommen.

Centralbl. Bakt. Abt. II. 51: 1-71; plate, fold.

table. Ap. 24, 1920. (no. 1/4)

Literatur, p. 68-71.

Compt. Rend. Acad. Sci. Paris

Armann, Paul

Sur la grande richesse en matières azotées de cer-
tains maniocs de Cambodge. Compt. Rend. Acad.

Sci. Paris, 170: 1333-1334. My. 31, 1920 (no. 22)

Bonnier, Gaston

Sur les changements, obtenus expérimentalement, dans
les formes végétales. Compt. Rend. Acad. Sci.

Paris, 170: 1356-1359. Je. 7, 1920 (no. 23)

Boulenger, George Albert

Sur les *Primula elatior*, *acaulis* et *officinalis*, à
propos de la Note de M. Ad. Davy de Virville. Compt.

Rend. Acad. Sci. Paris, 170: 1297-1300. My. 31, 1920.

(no. 22)

Chevalier, Auguste

Recherches sur les poiriers, noyers, châtaigniers des
parties froides de l'Indo-Chine et du Sud de la Chine.

Compt. Rend. Acad. Sci. Paris, 170: 1335-1336. My. 31,

1920 (no. 22)

Pirus simonii, *P. pashia*, *P. granulosa*; *Juglans duclou-*
xiana, *J. sagillata*; *Castanea duclouxii*, and *C. eonii* new
var.; *Castanopsis tribuloides*

Daniel, Lucien

Obtention d'une race nouvelle d'*Asphodèle* par l'action
du climat marin. Compt. Rend. Acad. Sci. Paris, 170:

1332-1333. My. 31, 1920 (no. 22)

Asphodelus luteoides

Daniel, Lucien

Réaction antagonistiques et rôle du bourrelet chez les
plantes greffées. Compt. Rend. Acad. Sci. Paris,

170: 1512-1515. Je. 21, 1920 (no. 25)

Foëx, Etienne Edmond

La nécrose du liber de la tige de pomme de terre at-
teinte de la maladie dite "de l'enroulement".

Compt. Rend. Acad. Sci. Paris, 170: 1336-1339. My. 31,

1920. (no. 22)

Guilliermond, Alexandre

Observations vitales sur le chondriome d'une Sapro-
légniacée. Compt. Rend. Acad. Sci. Paris, 170:

1329-1331. illus. My. 31, 1920. (no. 22)

Guilliermond, Alexandre

Sur la structure de la cellule végétale. Compt.

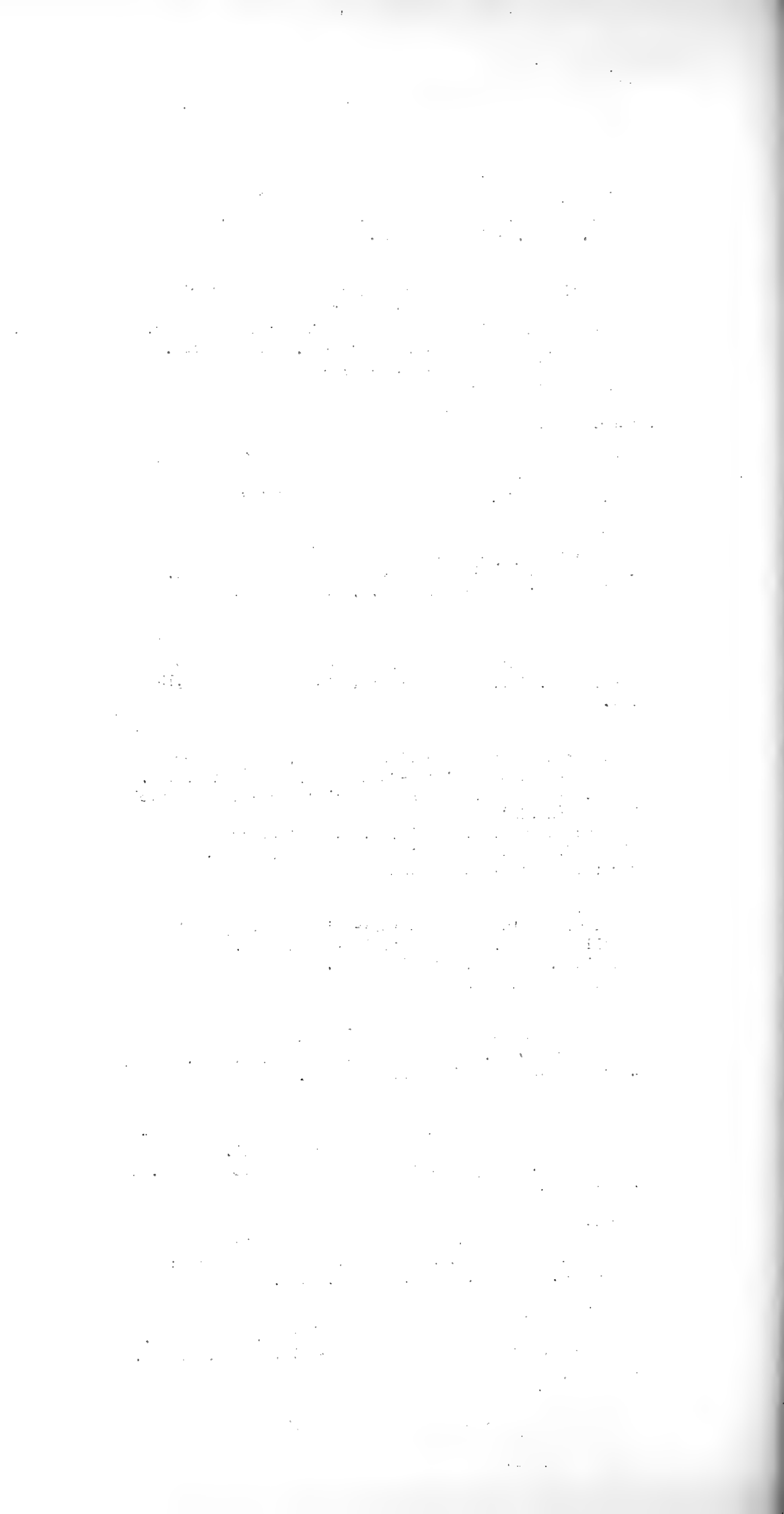
Rend. Acad. Sci. Paris, 170: 1515-1517. Je. 21, 1920.

(no. 25)

Licent, Eugène

Sur l'emploi, comme fixateur, des mélanges de formol
et de composés chromiques. Compt. Rend. Acad.

Sci. Paris, 170: 1518-1521. Je. 21, 1920. (no. 25)



Mangenot, G

A propos du chondriome des Vaucheria. Compt.
Rend. Acad. Sci. Paris, 170: 1458-1459 Je.14,1920.
(no. 24)

Moreau, Fernand

Les différents aspects de la symbiose lichénique
chez le Ricasolia herbacea DN. et le Ricasolia amplis-
sima Leight. Compt. Rend. Accad. Sci. Paris, 170:
1401-1404. illus. Je.7,1920 (no. 23)

Ricome, Hilaire

Sur les phénomènes de torsion comparables à l'en-
roulement des vrilles provoqués expérimentalement.
Compt. Rend. Acad. Sci. Paris, 170: 1399-1401. Je.7,
1920 (no. 23)

Stoklasa, Jules

Action de l'acide cyanhydrique sur l'organisme des
plantes. Compt. Rend. Accad. Sci. Paris, 170:
1404-1407. Je.7,1920 (no.23)

Cultura

Wolk, P. C. van der

Tropen-romantiek (geschiedenis van onze nootmuskaat-
cultuur) Cont. Cultura, 32: 190-201.
Je.1920 (no.381)

Flora

Derschau, Max von

Pflanzliche plasmastrukturen und ihre beziehungen
zellkern. Flora, 113: 199-212 pl.viii-ix.
1920. (no.3)

Hirmer, Max

Beiträge zur organographie der orchideenblute.
Flora, 113: 213-310. illus.,pl.x-xi. 1920.
(no. 3)
Literatur, p.309.

Köhler, Erich

Farnstudien. Flora, 113: 311-336. illus.
1920 (no. 3)

1. Ueber Aspidium Moorei (Hk.) Diels und einige an-
derer verwandten formen.- 2. Zur gattung Lonchitis.-
3. Experimentell-morphologische untersuchungen an
farnen.

Literatur, p.319, 322, 335-336.

Florists' Exch.

Kelsey, Harlan P

Official catalog of plant names. Florists'
Exch. 50: 103. Jl.17,1920. (no. 3)

Gard. Chron.

Horticultural congresses in Paris. Gard. Chron.
III. 67: 314-315. Je.26,1920. (no.1748)

Munro, J.

Odours of conifers. Gard. Chron. III. 67: 318.
Je.26,1920 (no. 1748)

Richmond, I. L.

Moraea iridioides johnsonii. Gard. Chron. III.
67: 320. Je.26,1920 (no. 1748)

Symons-Jeune, B

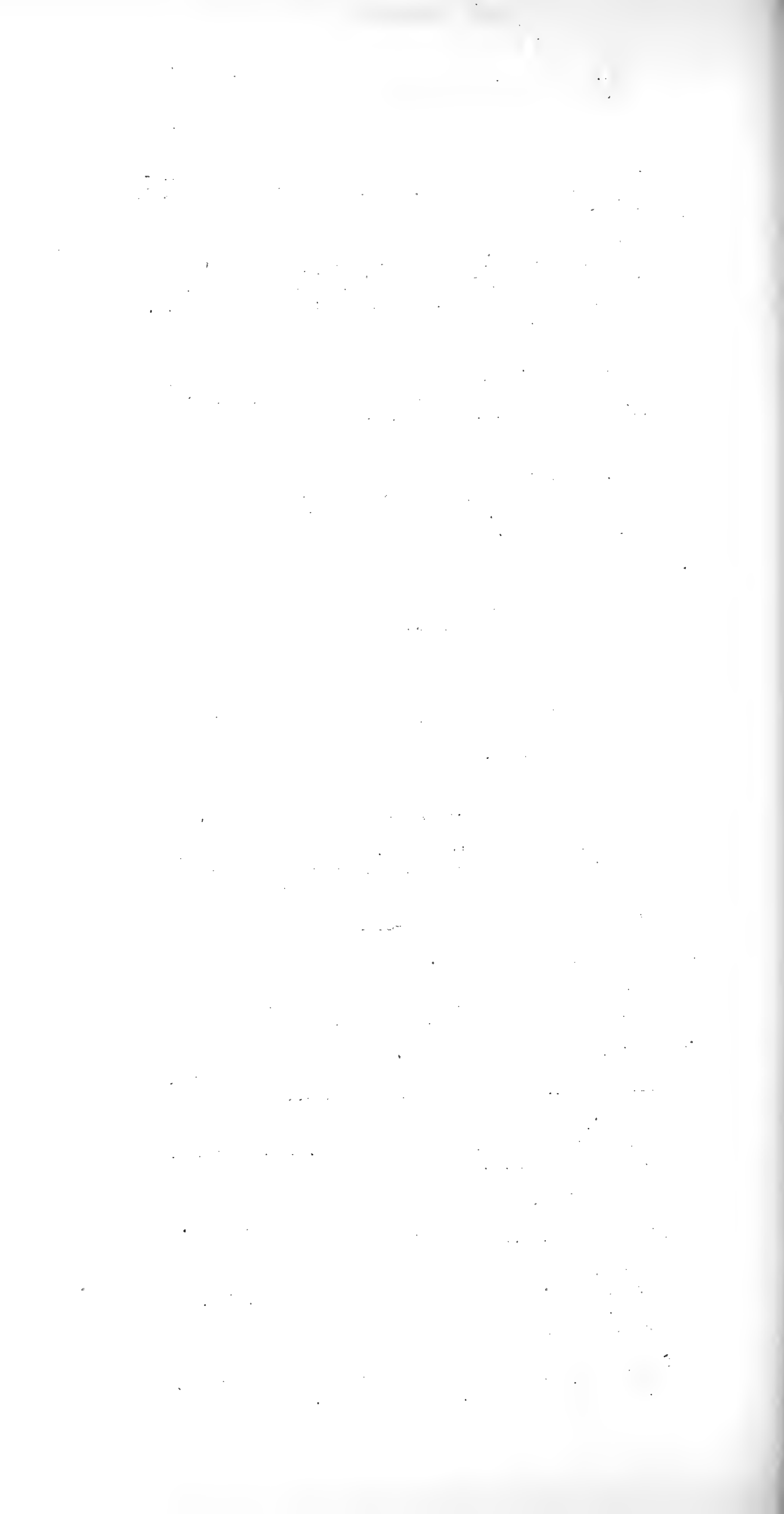
H

B

The lingulate saxifragas, Gard. Chron. III.
67: 319. illus. (no. 1748)
Saxifraga lingulata and hybrids

Ward, Francis Kingdon

Plant collecting on Imaw Bum. III. Gard. Chron.
III. 67: 306-307. Je.19, 1920 (no. 1747)



Gard. Chron. Amer.

Clute, Willard Nelson
Plants that seldom fruit. Gard. Chron. Amerc. 24:
243: J1.1920. (no. 7)

Garden

Bowles, Edward Augustus
Scilla messeniaca. Garden, 84: 311. illus. Je.19,
1920 (no.2535)

Bunyard, Frances
Herb Paris. Garden, 84: 309. illus. Je.19,
1920 (no. 2535)

Osborn, Arthur
Three rhododendrons new to cultivation. Garden, 84:
324. Je.26,1920 (no. 2536)
R. souliei, sargentianum, prattii

Ward, Francis Kingdon
Primulas on the north-east frontier of Burma. I-
Garden, 84: 322.

Gard. Mag.

Andrews, Hazel
Garden flowers from the Rocky mountains. Garden
Mag. 31: 308-310. illus. J1. 1920. (no. 5)

Dykes, William Rickatson
Iris families you ought to know. Garden Mag. 31:
321-324. illus. J1.1920

Snyder, F D
The Yucca plant and its insect ally. Garden Mag.
31: 326-327. illus. J1.1920 (no. 5)

Wilson, E. H:
The romance of our trees. X. The Lombardy poplar
and the Babylon willow. Garden Mag. 31: 317-320.
illus. J1. 1920 (no. 5)

Genetica

Lotsy, Johannes Paulus
Oenothera-proeven in 1919. Genetica, 2: 200-213,
(no. 3)

Kooiman, H N
Eenige opmerkingen naar aanleiding van Lotsy's artikel
"De oenotheren als kernchimeren". Genetica, 2: 235-
243. My. 1920 (no. 3)

Lotsy, Johannes Paulus
Theoretische steun voor de kruisingstheorie. Gene-
tica, 2: 214-234. My.1920 (no. 3)

Sirks, Marius Jacob
Erfelijkheids- en selectieonderzoekingen bij Vicia
soorten, I- Genetica, 2: 193-199, (no. 3)
"Litteratuur", p. 199
I. De navelkleur van Vicia faba.-

Hawaiian For. & Agr.

Judd, C S
The Kauri pine. Hawaiian For. & Agr. 17: 167-169.
Je. 1920. (no. 6)
Agathis australis

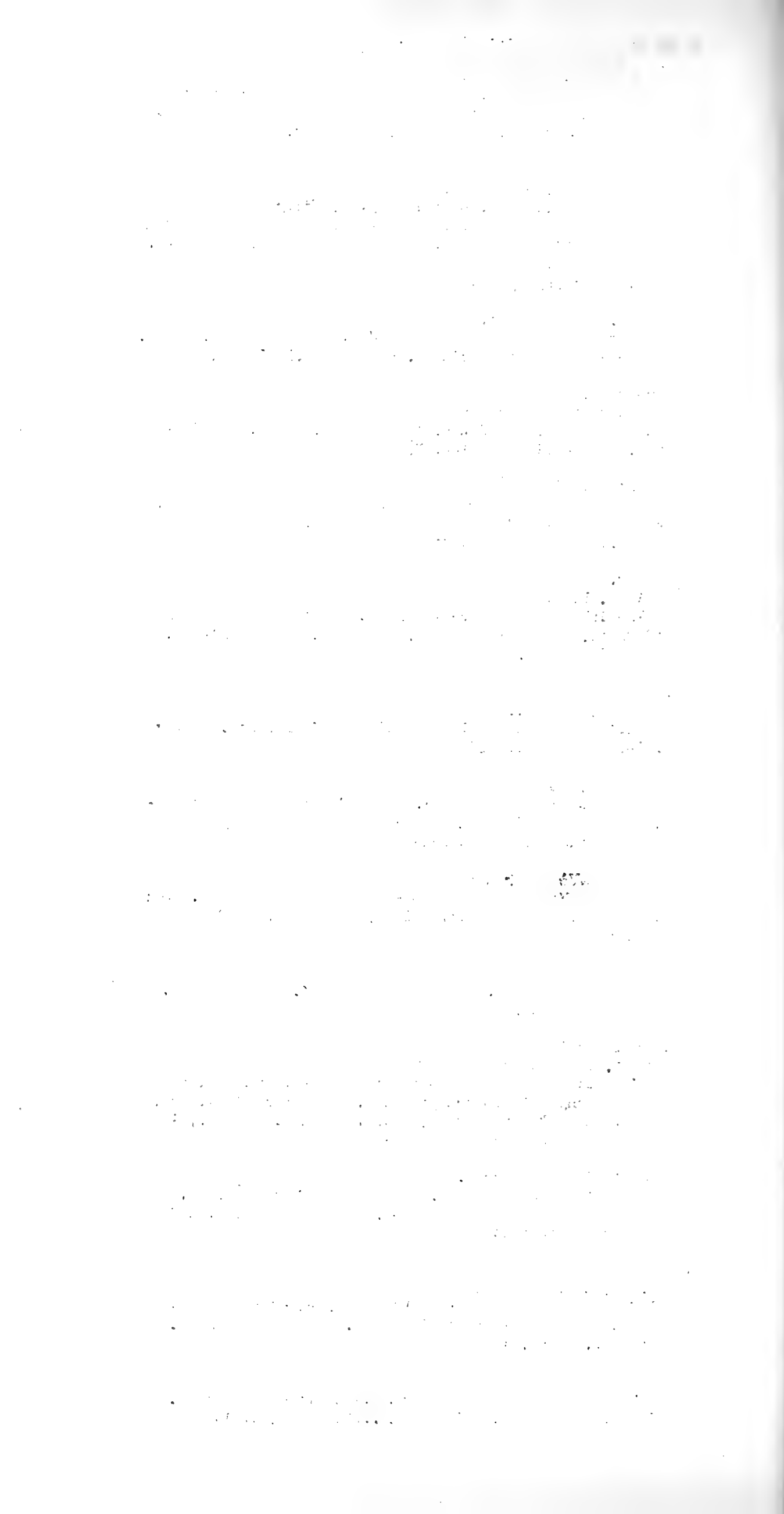
Hort. Rev. Egypt. Hort. Soc.

Blomfield, Sir. R. M.
Horticulture and acclimatisation in lower Egypt.
Hort. Rev. Egypt. Hort. Soc. 6(46): 3-4. Ap.1920.
(no. 46)

Mariout, - the garden of Egypt. Hort. Rev. Egypt.
Hort. Soc. 6(46): 9-10. Ap. 1920 (no. 46)

Science in the garden. A mildew on the chard beet
(Beta vulgaris var. cicla) Hort. Rev. Egypt Hort.

- Hort. Rev. Egypt. Hort. Soc.
Science in the garden. A mildew on the chard beet
(Beta vulgaris var. cicla) Hort. Rev. Egypt Hort.
Soc. 6(46): 4-6. illus Ap.1920 (no. 46)
Peronospora effusa
- Iowa Agr. Exp. Sta. Res. Bull.
Melhus, I. E., L. W. Durrell & R. S. Kirby
Relation of the barberry to stem rust in Iowa Iowa
Agr. Exp. Sta. Res. Bull. 57: 283-325. illus. Ja.
1920 (no. 57)
Bibliography, p.324-325
- Journ. Amer. Pharm. Assoc.
Henry George Greenish, Journ. Amer. Pharm. Assoc.
9: 665-666 (port. facing p.665) Jl.1920 (no. 7)
- Rusby, H. H.
Codes of botanical nomenclature in the United States
pharmacopoeia, Journ. Amer. Pharm. Assoc. 9: 670-
671. Jl.1920 (no. 7)
- Viehoever, Arno
Popular names of crude drugs. Journ. Amer. Pharm.
Assoc. 9: 671-676. Jl.1920. (no. 7)
Bibliographical footnotes
- Journ. Amer. Soc. Agron.
Gaines, E. F.
The inheritance of resistance to bunt or stinking smut
of wheat. Journ. Amer. Soc. Agron. 12: 124-132.
Ap.1920 (no. 4)
- Journ. Bot.
Gunther, R. W. T.
Walter Stonehouse (1597-1655) Journ. Bot. 58:
170-173. Jl.1920
- Ladbroke, James
A new species of Coupoui. Journ. Bot. 58: 176-
177. Jl.1920 (no. 691)
C. micrantha, from Guiana
- Linton, E. P.
William Moyle Rogers (1835-1920) Journ. Bot. 58:
161 - 164. port. (plate) Jl. 1920
(no. 691)
- Smith, E. P.
Plant dermatitis. II. Journ. Bot. 58: 173-176.
Jl. 1920 (no. 691)
- Journ. Coll. Sci. Tokyo
Emoto, Yoshikadzu
Über die relative wirksamkeit von kreuz- und selbst-
befruchtung bei einigen pflanzen. Journ. Coll. Sci.
Impt. Univ. Tokyo v.43, no.4. 31 p. 2 pl., 4
tables. Mr.15,1920 (no. 4)
- Journ. Dept. Agr. So. Austr.
An objectionable weed. Journ. Dept. Agr. So.
Australia, 23: 838-839. illus. My.1920 (no. 10)
Cenchrus tribuloides
- Journ. Ecol.
Gibbs, Lilian Susette
Notes on the phytogeography and flora of the mount-
tains summit plateaux of Tasmania. Journ. Ecol.
8: 1-17. (no. 1)
- Rübel, Eduard
Über die entwicklung der gesellschafts-morphologie.
Journ. Ecol. 8: 18-40. Mr.1920 (no. 1)



Journ. Ecol.

Uphof, J. C. T.

Cold-resistance as an ecological factor in the geographical distribution of cacti. Journ. Ecol. 8: 41-53. illus., pl.1. Mr. 1920 (no. 1)

Journ. Elisha Mitchell Soc.

Coker, W. C.

Notes on the lower Basidiomycetes of North Carolina. Journ. Elisha Mitchell Sci. Soc. 35: 113-182. pl.23-67. Je.1920 (3/4.)

Small, John Kunkel.

The land of ferns; the habits and distribution of the fernworts of Florida Journ. Elisha Mitchell Sci. Soc. 35: 92-104. pl.24-28 Je.1920 (no. 3/4)

Journ. Gen. Physiol.

Crustafson, F. G.

The effect of hydrogen ion concentration on the respiration of *Penicillium chrysogenum*. Journ. Gen. Physiol. 2: 617-626. Jl.20, 1920. (no. 6)
Comparative studies on respiration. XI.

Hampton, Harold Clark

The kinetics of the action of catalase extract from marine algae, with a note on oxidase. Journ. Gen. Physiol. 2: 635-649. Jl.20, 1920 (no. 6)

Loeb, Jacques

Quantitative laws in regeneration. II. Journ. Gen. Physiol. 2: 651-657. illus. Jl.20, 1920 (no. 6)

Schmitz, Henry

Enzyme action in *Echinodontium tinctorium* Ellis and Everhart. Journ. Gen. Physiol. 2: 613-616. Jl. 20, 1920 (no. 6)

Journ. Min. Agr. Gt. Brit.

Petherbridge, F. R.

Potato spraying trials in the Cambridgeshire fens, 1919. Journ. Min. Agr. Gt. Brit. 27: 282-286. Je.1920 (no. 3)

Journ. N.Y. Bot. Gard.

Britton, Nathaniel Lord

A botanical expedition to Trinidad. Journ. N.Y. Bot. Gard. 21: 101-118. Je. 1920 (no. 246)

Nash, C. V.

Hardy woody plants in the New York botanical garden (concluded) Journ. N. Y. Bot. Gard. 21: 119-124. Je.1920 (no. 246)

Landscape Arch.

Kelsey, H. P.

The future for hardy evergreens in America, as affected by Quarantine number 37. Landscape Arch. 10: 173-180. Jl. 1920 (no. 4)

Meded. Ned. Mycol. Verg.

Lijst van nieuwe en zeldzame nederlandse paddenstoelen. Meded. Ned. Mycol. Ver. 10: 65-77. F. 1920 (no. 10)

Suringer, Jan Valckenier

Rede bij de opening van de paddenstoelententoonstelling gehouden ter gelegenheid van het tien-jarig bestaan der Nederlandsche mycologische vereeniging te Haarlem 28 September 1918. Med. Ned. Mycol. Ver. 10: 48-64. F.1920 (no. 10)

The first part of the document discusses the importance of maintaining accurate records. It emphasizes that every entry should be clearly documented and easily accessible. This ensures that all relevant information is preserved and can be retrieved when needed.

In the second section, the focus is on the quality of the data being collected. It is noted that high-quality data leads to more reliable results and better decision-making. Therefore, it is crucial to implement strict quality control measures throughout the data collection process.

The third section addresses the issue of data security. With the increasing amount of sensitive information being stored, it is essential to have robust security protocols in place. This includes regular updates to software, strong password policies, and secure storage methods to prevent unauthorized access.

Finally, the document concludes by highlighting the need for ongoing training and education for all staff involved in data management. Keeping skills up-to-date is vital for handling the challenges of modern data science and ensuring the long-term success of the organization's data initiatives.

New Jersey Agr. Exp. Sta. Rep.

Cook, M. J.

Report of the Department of plant pathology of the New Jersey agricultural college experiment station ... for the year ending June 30, 1918. New Jersey Agr. Exp. Sta. Rep. 1917/18, p.297-302. 1919 [1920?] (no)

New Zeal. Journ. Agr.

Cunningham, G.

Mortality among stone-fruit trees in central Otago. New Zeal. Journ. Agr. 20: 359-364. Je.21,1920.

Deem, J. W.

Eradiction of silver-fern. New Zeal. Journ. Agr. 20: 358. Je.21,1920 (no. 6)
Pteris scaberula

Orchis

Miethe, E.

Cypripedium insigne Wall. und einige seiner varietäten. Orchis, 14: 4-7. illus. Mr.15,1920. (no. 1)

Schlechter, Rudolf

Pelatantheria insectifera Ridl. Orchis, 14: 7-10. Mr.15,1920 (no. 1)
P. stenoglossa, cristata, & insectifera.

Schlechter, Rudolf

Eine weitere neue Vanda. Orchis, 14: 2-4. Mr.15,1920 (no. 1)
V. luzonica

Park Internat.

Andrew Jackson Downing, father of American parks. Park Internat. 1: 42-46. illus. Jl.1920 (no. 1)

Philipp. Agr.

McLeon, F. L.

Notes on agriculture in southern China. Philipp. Agr. 8: 205-211. Ja.1920 (no. 6)

Rev. Agr. Dominica

Camps, F. O.

El cáncer del cacao. Rev. Agr. Dominica 16: 53-55. My.31,1920 (no. 2)
Nectria

Rev. Agr. Puerto Rico

Legrand, J. F.

Plantas utiles de Puerto Rico (cont.) Rev. Agr. Puerto Rico, v.4, no.6, p.4-8. illus. Je. 1920 (no. 6)

Stevenson, John A.

Enfermedades del citro en Puerto Rico. Revista Agr. Puerto Rico, v.4, no.6, p.9-19. Je.30,1920 (no. 6)
Bibliografía, p.9-10.- Apéndice I. Formulas, p.10-16.- Apéndice II. Hongos del citro, p.16-19.

Rev. Gén. Bot.

Gatin, C. L., 1877-1916. & M. Molliard.

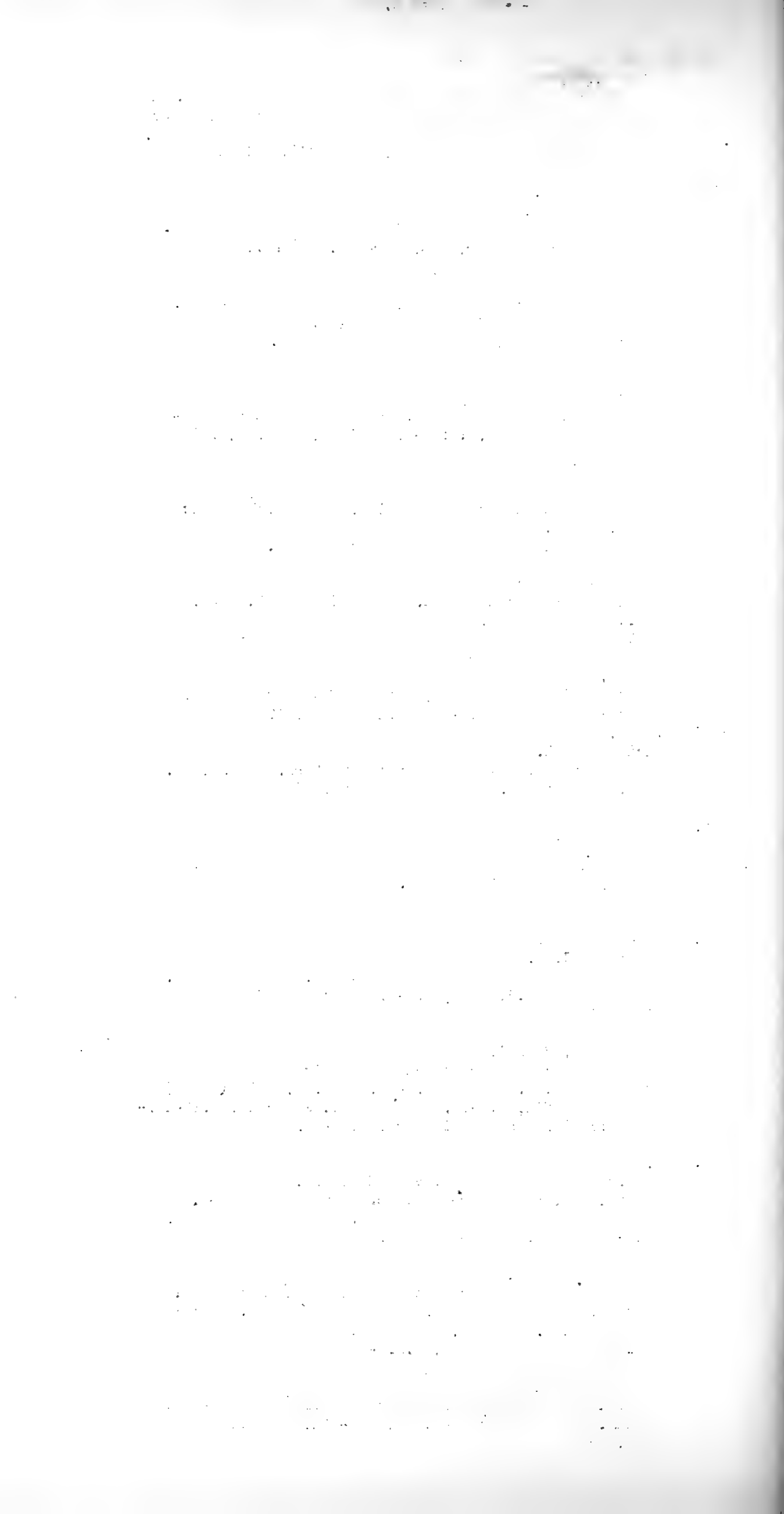
Utilisation comparée de divers constituants de la membrane par le Xylaria hypoxylon L. Rev. Gén. Bot. 32: 216-225. My.15,1920 (no. 377)

Namyslowski, Boleslaw

Etat actuel des recherches sur les phénomènes de la sexualité des mucorinées. Rev. Gén. Bot. 32: 193-215. illus. My.15,1920 (no. 377)
Index bibliographique, p.214-215

Nicholas, Gustave

Biologie florale de quelques ombellifères nord-africains. Rev. Gén. Bot. 32: 232-234. My.15, 1920. (no. 377)



Rev. Gén. Sci.

- Vuillemin, Paul
Revue de mycologie, Rev. Gén. Sci. 31: 148-156.
Mr. 15, 1920 (no. 5)
1. partie: Mycologie pure.
Literature in footnotes

Rev. Vitic.

- C , M
Influence du parasitisme des champignons sur les
plantes. Rev. Vitic. 52: 435-436. Je. 24, 1920,
(no. 1356)

- Fayard, J. de
La chlorose des vignes. Rev. Vitic. 52: 434-435.
Je. 24, 1920 (no. 1356)

"The presence of lime combined with humidity seems to
be the cause of the disease" ...

Science

- Collins, G. N.
Waxy maize from upper Burma. Science, n.s., 52:
48-51. Jl. 16, 1920 (no. 1333)

- Dickson, B. T.
The differential staining of plant pathogen and host.
Science, n.s., 52: 63-64 Jl. 16, 1920 (no. 1333)

- Harvey, R. B.
Destruction of zoospores of plant disease organisms
by natural enemies. Science, n.s., 52: 84. Jl. 23,
1920 (no. 1334)

Sitzungsber. Naturf. Ges. Dorpat

- Bucholtz, Fedor & O. Ekmann
Ueber die verbreitung der brandpilze (Ustilagineae)
im Ostbaltikum. Sitzungsber. Naturf. Ges. Dorpat,
26: 47-70. 1920 (no. 1/4)
Literatur: p. 53; Exsiccatenwerke und Herbarien p. 54

Tidsskr. Landøkonomi

- Christensen, H. R.
Frederick Kølpin Ravn. 1873-1920. Tidsskr. Land-
økonomi, 1920, p. 261-264. port. 1920 (no. 7)

Tidsskr. Planteavl

- Ferdinandson, Carl & Rostrup, Sofie
Oversigt over sygdomme hos landbrugets og havebrugets
kulturplanter i 1918. Tidsskr. Planteavl 26: 683-
733. 1919 [1920?] (no. 4)

U. S. Depart. Agr. Bull.

- Marsh, C. D., A. B. Clawson, J. F. Couch & W. W. Eggleston
The whorled milkweed (*Asclepias galioides*) as a
poisonous plant. U. S. Depart. Agr. Bull. 800. 40 p.
Je. 8, 1920 (no. 800)

U. S. Depart. Agr. Farm. Bull.

- Garner, W. W.
Tobacco culture. U. S. Dept. Agr. Farm. Bull.
571. Rev. ed. 24 p. 1920 (no. 571)

Hartley, C. P.

- Pop corn for the market. U. S. Dept. Agr. Farm.
Bull. 554. Rev. ed. 12 p. 1920 (no. 554)

Tracy, S. M.

- Forage for the cotton belt. U. S. Dept. Agr. Farm.
Bull. 1125. 63 p. 1920 (no. 1125)

Vinall, H. N.

- Sudan grass. U. S. Dept. Agr. Farm Bull. 1126.
27 p. 1920 (no. 1126)

West Ind. Bull.

Ashby, S. F.

Notes on two diseases of the coco-nut palm in Jamaica caused by fungi of the genus *Phytophthora*. West. Ind. Bull. 18: 61-73. 1920. (no. 1/2)

References, p.73

Harland, S. C.

Studies of inheritance in cotton. 1. West Ind. Bull. 18: 13-19, (no. 1/2)

References, p.19

1. The inheritance of corolla colour

Nowell, William

The red ring disease of coco-nut palms. Infection experiments. West Ind. Bull. 18: 73-76. 1920. (no. 1/2)

West Indies (British) Imperial dept. of agriculture

Report on the prevalence of some pests and diseases in the West Indies during 1918. West Ind. Bull. 18: 34-60. 1920. (no. 1/2)

pt.ii. Diseases of economic plants. p.50-56.

Zeitschr. Bot.

André, Hans

Über die ursachen des periodischen dickenwachstums des stammes. Zeitschr. Bot. 12: 177-218. pl.iii-iv. 1920. (no. 4)

Literatur, p.216-217

Fischer, Julius

Zur entwicklungsgeschichte und morphologie der Veronicablüte. Zeitschr. Bot. 12: 113-161. illus., pl.ii. 1920.

Literatur-verzeichnis, p.158-159

New Books

Duclaux, Emile

120 P262 Pasteur, the history of a mind. Trans. by Erwin F. Smith and Florence Hedges. Phila. & Lond. 1920

Gilmore, Melvin Randolph

452.8 G42 Uses of plants by the Indians of the Missouri River region. Wash., 1919

Keeler, Harriet L.

454 K24 Our northern autumn. New York, 1920

Philip, J. B.

462 P532 Experiments with plants. Oxford, Clarendon press, 1919

Saunders, C. F.

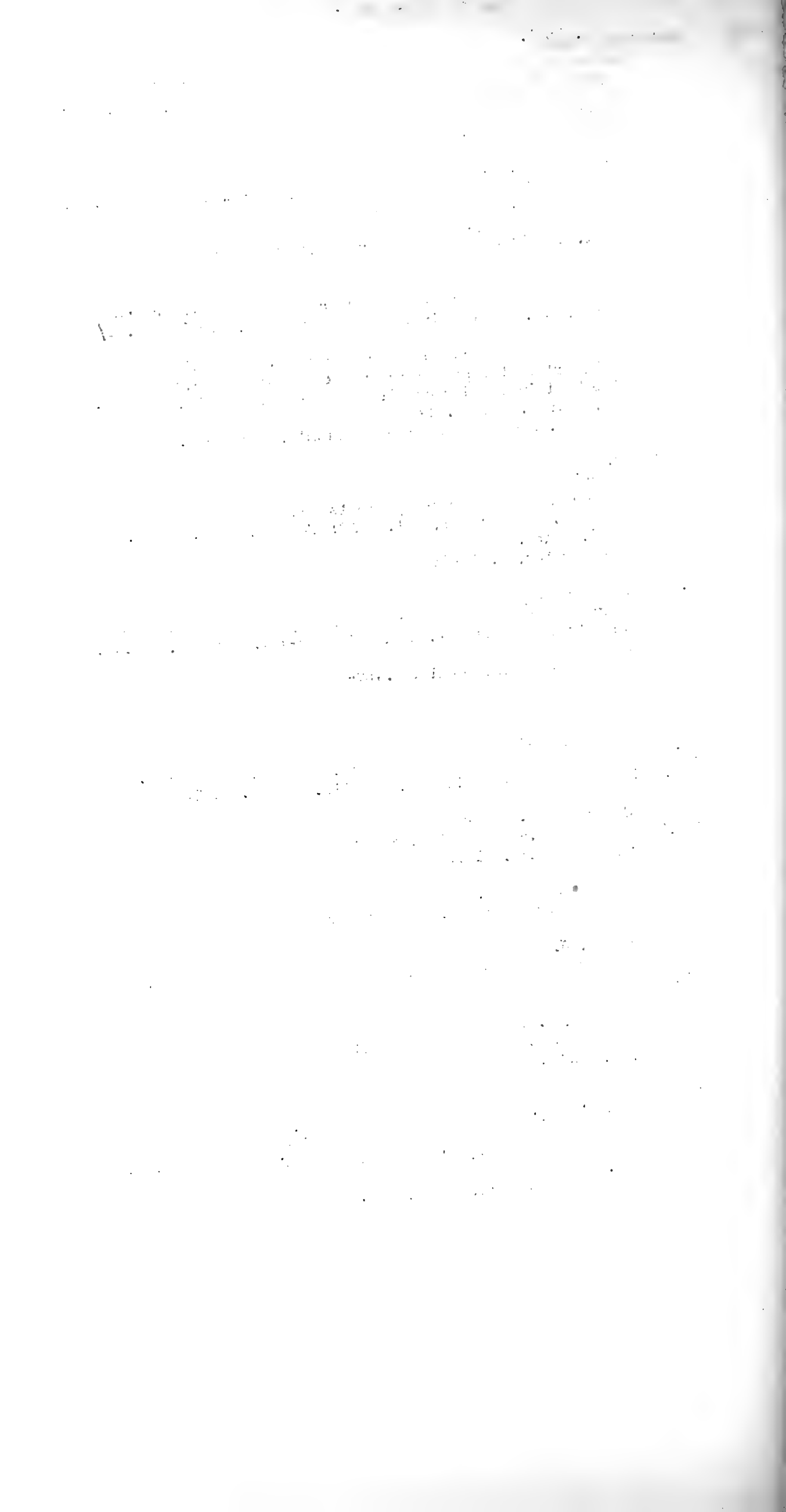
452.8 Sa81 Useful wild plants of the United States and Canada. N. Y., 1920.

Translations

Congrès de l'Agriculture française, 2e.

Voeux émis par le Congrès. (Resolutions passed by the Congress). Jour. d'Agr.prat. 144: 472-474. Jun.17, 1920.

English translation. (no. 25).





For the sake of brevity bibliographies, and all but absolutely essential annotations are omitted from these entries.

Agr. News.

Nowell, William

Red ring disease of coconuts. Disposition of infested material. Agr. News, 19: 222. Jl.10,1920.

Includes report by R. O. Williams on trial of method in Grenada no. 475.

Agron. Colon.

Maublanc, André & H. C. Navel

Sue une maladie du palmier à huile (*Elæis guineensis* Jacq.) aux îles San-Thomé et de Principe produite par un champignon (*Ganoderma applanatum* Pers.) Agron. Colon.

4: 187-191. plate. My./Je,1920 no.30

Schaeffer, G.

Contribution à l'étude des citronelles; culture, exploitation, commerce. (concluded) Agron. Colon. 4: 192-208. plate. My./Je,1920 no.30

Amer. Journ. Bot.

Artschwager, E. F.

On the anatomy of *Chenopodium album* L. Amer. Journ. Bot. 7: 252-260. illus., pl.xvi-xvii. Je.1920 no.6

Baas Becking, L. G. M. & H. C. Hampton

Measurement of the catalytic power of catalase. Amer. Journ. Bot. 7: 261-274. Jl.1920 no.7

Bryan, G. S.

Early stages in the development of the sporophyte of *Sphagnum subsecundum*. Amer. Journ. Bot. 7: 296-303. illus. Jl.1920 no.7

Bryan, G. S.

The fusion of ventral canal cell and egg in *Sphagnum subsecundum*. Amer. Journ. Bot. 7: 223-230. pl.xiv-xv. Je.1920 no.6

Curtis, O. F.

The upward translocation of foods in woody plants. II. Is there normally an upward transfer of storage foods from the roots or trunk to the growing shoots? Amer. Journ. Bot. 7: 286-295. Jl.1920 no.7

Sifton, Harold B.

Longevity of the seeds of cereals, clovers, and timothy. Amer. Journ. Bot. 7: 243-251. Je.1920 no.6

Stevens, O. A.

The geographical distribution of North Dakota plants. Amer. Journ. Bot. 7: 231-242. map. Je.1920 no.6

Amer. Journ. Pharm.

Higgins, Edward

Medicinal plants in Bahia. Amer. Journ. Pharm. 92: 182-185. Mr.1920 no.3

Reprinted from Commerce reports, Dec. 26, 1919

Holmes, E. M.

The marna of scripture. Amer. Journ. Pharm. 92: 174-179. Mr.1920 no.3

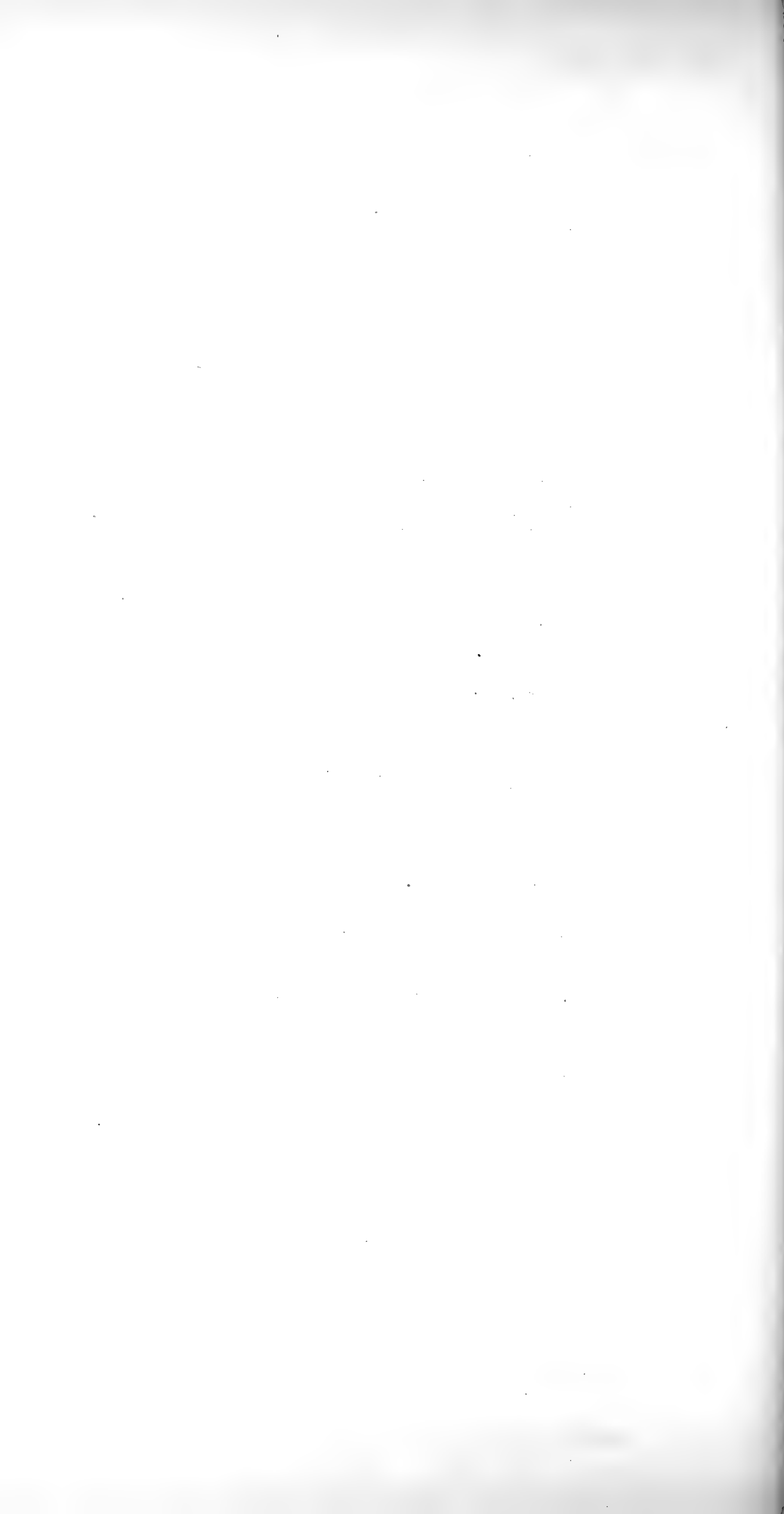
Reprinted from Chemist & Druggist, Ja.3,1920, v.92, p.81-82

Probably an undescribed fungus

Holmes, E. M.

Notes on the ginger beer plant. Amer. Journ. Pharm. 92: 185-188. illus. Mr.1920 no.3

Reprinted from Pharm. Journ. Ja.3, 1920, v.104, p.4.



Amer. Nut. Journ.

Reed, C. A.

Why pecan trees bear alternately and not annually.
Amer. Nut Journ. 13(1): 2. Jl.1920 no.1

Ann. Appl. Biol.

Association of economic biologists

The integration of mycological research with practice
in agriculture, horticulture and forestry. Ann. Appl.
Biol. 6: 317-348. Ap.1920 no.4

Symposium held Dec. 11, 1919

i. The administrative problem, by A. D. Hall. = ii. The
training problem, by V. H. Blackman. = iii. The agricultural
problem, by E. J. Russell. = iv. The horticultural problem,
by F. J. Chittenden. = v. The forestry problem, by W. Som-
erville. = vi. General discussion.

Brenchley, Winifred E.

On the relations between growth and the environmental
conditions of temperature and sunshine. Ann. Appl. Biol.
Biol. 6: 211-244. Ap.1920 no.4.

Dastur, Jehangir F.

Glomerella cingulata (Stoneman) Spauld. and V. Sch. and
its conidial forms, Gloeosporium piperatum E. and E. and
Colletotrichum nigrum E. and Hals. on chillies and Carica
papaya. Ann. Appl. Biol. 6: 245-268. pl. x. Ap.1920
no.4

Salmon, E. S.

On forms of the hop (*Humulus lupulus* L. and *H. americanus*
Nutt.) resistant to mildew (*Sphaerotheca humuli* (DC). Burr.)
Ann. Appl. Biol. 6: 293-310. Ap.1920 no.4

Ann. Jard. Bot. Buitenzorg.

Bernard, Charles

Papayas anormaux, oranges digitiformes. Ann. Jard. Bot.
Buitenzorg, 31: 26-36. illus., pl. vii-viii. 1920 no.1

Bernard, Charles

Quelques remarques sur les phalloidées javanaises. Ann.
Jard. Bot. Buitenzorg, 31: 37-45. pl. ix-xi. 1920. no.1

Docters van Leeuwen, Willem

On the vegetative reproduction of two species of *Taenio-*
phyllum from Java. Ann. Jard. Bot. Buitenzorg, 31: 46-
56. pl. xii-xiii. 1920 no.1

T. proliferum and *T. reinvaanii*

Docters van Leeuwen, Willem

Ueber infloreszenz-bulbillen in der zingiberaceen-gattung:
Gloeba. Ann. Jard. Bot. Buitenzorg, 31: 1-17. pl. i-iv.
1920 no.1

Valeton, Theodor

Three new species of *Gloeba*. Ann. Jard. Bot. Buitenz-
zorg, 31: 18-24. pl. v-vi. 1920. no.1

Biol. Bull.

Jones, Donald Forsha

Selective fertilization in pollen mixtures. Biol. Bull.
38: 251-289. My.1920 no.5

Bol. Agr. São Paulo

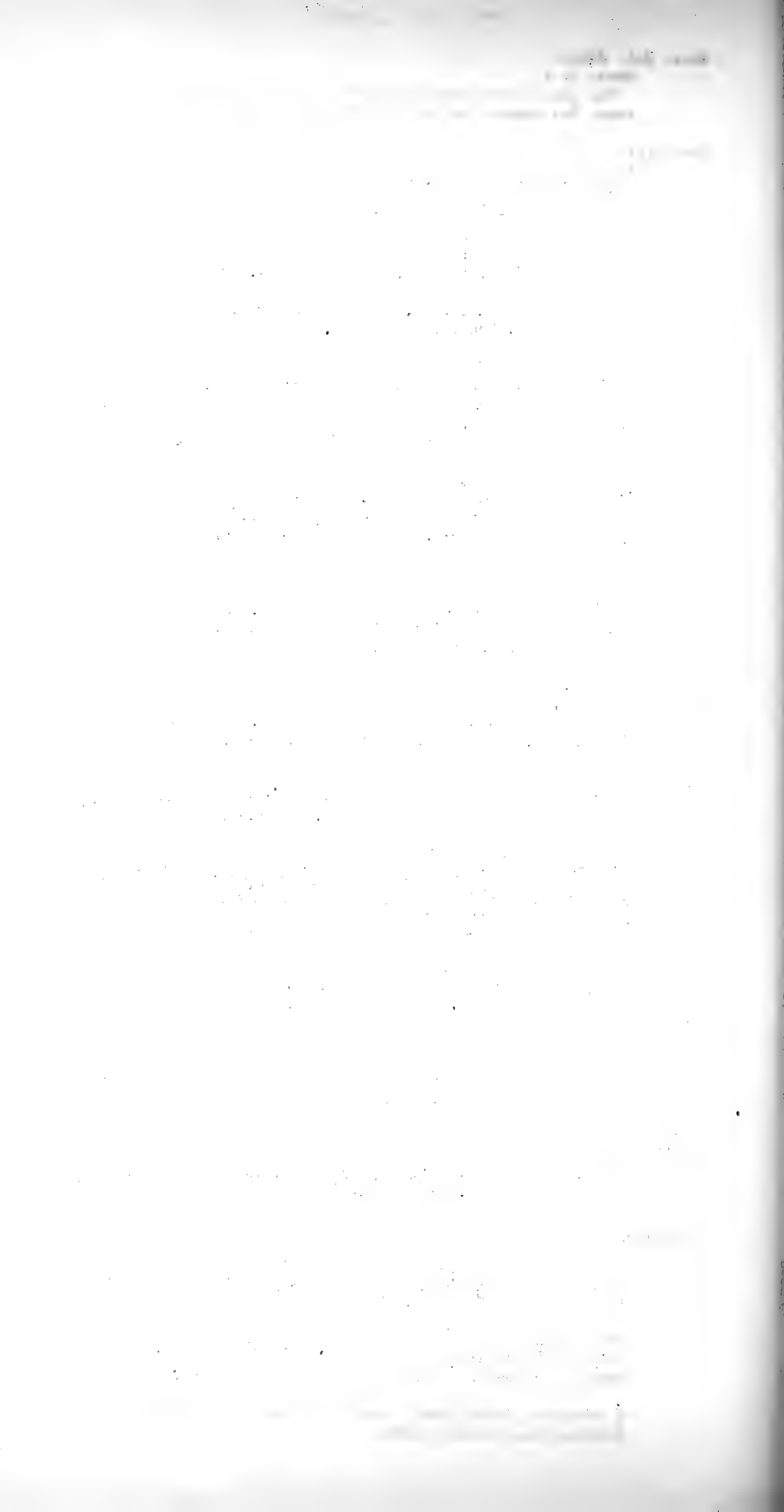
Avérna-Sacca, Rosario

Molestias cryptogamicas do cacauzeiro (*Theobroma cacao*) e
do coqueiro (*Cocos nucifera*). Bol. Agr. Sao Paulo, 21: 46-
186. illus. Ja.-Mr. 1920 no.1/3

Avérna-Sacca, Rosario

Molestias do araçazeiro (*Psidium araçá*) Bol. Agr. São
Paulo, 21: 43-45. illus. Ja.-Mr. 1920 no.1/3.

A *Puccinia psidii*, Wint. associated with anthracnose
Gloeosporium fructus psidii.



Bol. Agr. São Paulo

Averna-Sacca, Rosario

Molestias do cambucázeiro (*Rubachia glomerata*) Bol. Agr. São Paulo, 21: 37-42, illus. Jan.-Mar, 1920 no.1/3

Puccinia (*Uredo flavidula* Wint.), jambulana Rang.; an-thracnose, *Gloeosporium fructus*.

Bot. Gaz.

Hurd, A. M.

Effect of unilateral monochromatic light and group ori-entation on the polarity of germinating *Fucus* spores. Bot. Gaz. 70: 25-30, illus. Jl. 1920 no.1

Langdon, L. M.

Sectioning hard woody tissues. Bot. Gaz. 70: 82-84. Jl. 1920 no.1

Merrill, E. D.

Camphorina vs. Cinnamomum. Bot. Gaz. 70: 84-86. Jl. 1920 no.1

Schley, E. O.

Geo-presentation and geo-reaction. Bot. Gaz. 70: 69-81. Jl. 1920 no.1

Walker, L. B.

Development of *Cyathus fascicularis*, *C. striatus*, and *Crucibulum vulgare*. Bot. Gaz. 70: 1-24, pl. i-vi. Jl. 1920 no.1

Wilson, O. T.

Crown-gall of alfalfa. Bot. Gaz. 70: 51-68, pl. vii-x. Jl. 1920 no.1

Author fails to discover characters of genus *Urophlyctis* in this study of *U. alfalfae* - does not propose new classification at present.

Bot. Jahrb. Engl.

Agharkar, Shankar.

Die verbreitungsmittel der xerophyten, subxerophyten und halophyten des nordwestlichen Indiens und ihre herkunft. Bot. Jahrb. Engl. 56 (Beibl. 124): 1-41. Je. 1920 no.3

Lauterbach, C. A. G.

Beiträge zur flora von Papuasien. VII; no. 63-67. Bot. Jahrb. Engl. 56: 161-400, illus. Je. 1920 no.3

Contents: 63. Radikorer, L. Gesamtübersicht über die sapindaceen Papuasians; 64. Lauterbach, C. Die bursaceen Papuasians; 65. Lauterbach, C. Die simarubaceen Papuasians; 66. Lauterbach, C. Die anacardiaceen Papuasians; 67. Harms, H. Die Araliaceae Papuasians.

Bot. Mag. Tokyo

Nakai, Takenoshin

Chosenia, a new genus of Salicaceae. Bot. Mag. Tokyo 34: 66-69. My. 1920 no.401

Nakai, Takenoshin

Notulae ad plantas Japoniae et Koreae, XXII. Bot. Mag. Tokyo 34: 35-44. Ap. 1920 no.400

Yasuda, Atsushi

Zwei neue arten von *Irpex*. Bot. Mag. Tokyo 33: 189-191, illus. O. 1919 no.394

Irpex tabacinoides & *purpureus*

Yasui, Kozo

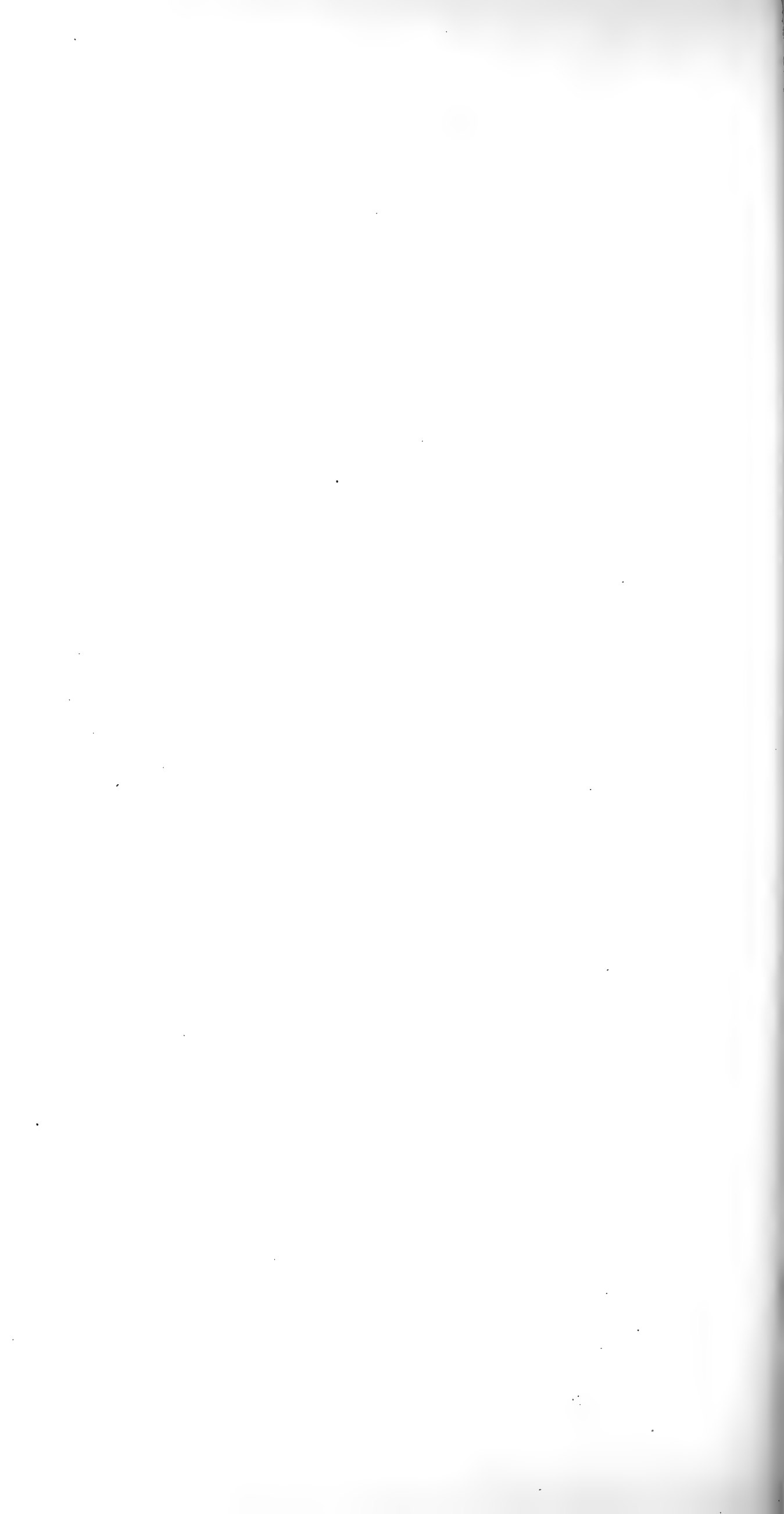
Genetical studies in *Portulaca grandiflora*. Bot. Mag. Tokyo, 34: 58-65, illus., pl. 1 (col.) My. 1920 no.401.

Brooklyn Bot. Gard. Rec.

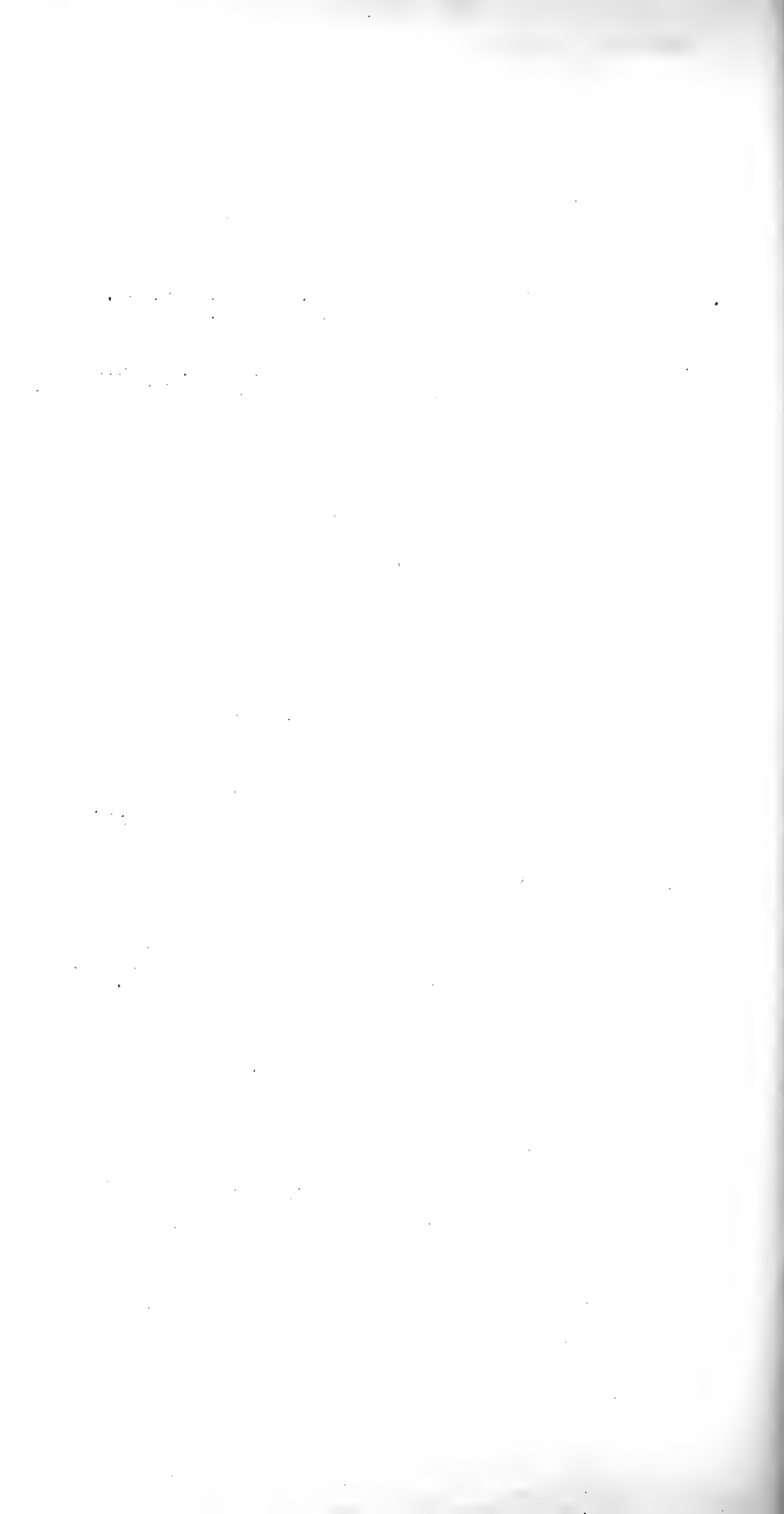
Taylor, Norman

A rare palm from Cuba in the conservatories. Brooklyn Bot. Gard. Rec. 9: 101-102, plate. Jl. 1920 no.3

Coccothrinax crinita



- Bull. Econ. Indochine
 Crevost, Ch., and Ch. Lenarie
 Plantes et produits filamenteux et textiles de l'Indochine. (Cont.) Bull. Econ. Indochine, n.s. 23: 43-71, 209-231. Jan-Apr. 1920. no. 140-141
- Bull. Jard. Bot. Buitenzorg
 Alderwerelt van Rosenburgh, C. R. W. K. van
 Index pteridophytorum quae anno 1919 in Horto botanico Bogoriensi coluntur. Bull. Jard. Bot. Buitenzorg, III. 1: 338-351. Je. 1920 no. 5
- Alderwerelt van Rosenburgh, C. R. W. K. van
 New or noteworthy Malayan Araceae. Bull. Jard. Bot. Buitenzorg, III. 1: 359-389. Je. 1920 no. 5
- Gäumann, Ernst
 Ein kleiner beiträg zur pilzflora des Krakatau. Bull. Jard. Bot. Buitenzorg, III. 2: 8-9. pl. 1. My. 1920 no. 1.
 Macrophoma arundinae n.sp. on Arundina speciosa; Phyllosticta tinisporae n.sp. on Tinispora crispa.
- Gäumann, Ernst
 Ueber Coelographium aurantiacum n.g., n.sp. Bull. Jard. Bot. Buitenzorg, III. 2: 10-14. pl. 2-3. My. 1920. no. 1
 Genus based on Graphium caviceps (Oudem.) Sacc., with one new species, C. aurantiacum
- Gorter, K.
 Sur l'hyptolide, principe amer d'Hyptis pectinata Poit. Bull. Jard. Bot. Buitenzorg, III. 1: 327-337. Je. 1920 no. 5
- Gorter, K.
 Sur la constitution de la lycorine. Bull. Jard. Bot. Buitenzorg, III. 2: 1-7. My. 1920 no. 1
- Gorter, K.
 Sur la distribution de la lycorine dans la famille des amaryllidacées. Bull. Jard. Bot. Buitenzorg, III. 1: 352-358. Je. 1920 no. 5
- Smith, J. J.
 Orchidaceae novae malayenses, IX. Bull. Jard. Bot. Buitenzorg, III. 2: 15-127. My. 1920 no. 1
- Smith, J. J.
 Plantae novae vel criticae ex herbario et horto Bogoriensi. I. Bull. Jard. Bot. Buitenzorg, III. 1: 390-411. pl. 38-56. Je. 1920; no. 5
- Valeton, Theodoric
 Index zingiberacearum quae anno 1919 in Horto botanico Bogoriensi coluntur. Bull. Jard. Bot. Buitenzorg, III. 1: 321-326. Je. 1920 no. 5
- Bull. Soc. Bot. Genève
 Chodat, Robert and W. Vischer
 La végétation du Paraguay. Résultats scientifiques d'une mission botanique suisse au Paraguay. VIII. Apocynacées. Bull. Soc. Bot. Genève, II. 11: 211-299. illus. My./D. 1919 [Je. 15, 1920] no. 5/9
- Epstein, Alexandre
 Un nouvel agent destructeur des polysaccharides complexes: Pseudomonas polysaccharidum (n.sp.) Bull. Soc. Bot. Genève, II. 11: 191-198. My./D. 1919 [Je. 15, 1920] no. 5/9
- Hamet, Raymond
 Sur un nouveau Sedum chinois de l'herbier du Muséum d'histoire naturelle de Paris. Bull. Soc. Bot. Genève, II. 11: 146-150. My./D. 1919 [Je. 15, 1920] no. 5/9
 Sedum pinoyi n.sp.
- Schoellhorn, Kurt
 Sur la fermentation de quelques levures de nectars des plantes d'hiver. Bull. Soc. Bot. Genève, II. 11: 154-190. illus. My./D. 1919 [Je. 15, 1920]



Bull. Soc. Bot. Genève.

Vischer, W.

Sur les Quararibea Aubl. un genre de Bombacées à ovaire infère. Bull. Soc. Bot. Genève, II, 11: 199-210. illus. My./D. 1919 [Je. 15, 1920] no. 5/9.

Bull. Soc. Mycol. France

Chenantais, J. E.

Sillon et pores germinatifs. Bull. Soc. Mycol. France, 36: 29-33. Mr. 21, 1920

Fron, Georges & E. Lasnier.

Sur une chytridinées parasite de la luzerne. Bull. Soc. Mycol. France, 36: 53-61. illus., pl. v. Mr. 31, 1920. no. 1

Maublanc, André

Contribution à l'étude de la flore mycologique brésilienne. Bull. Soc. Mycol. France, 36: 33-43. pl. ii-iv. Mr. 31, 1920 no. 1

Mirande, Robert

Zoophagus insidians Sommerstoff, capteur de rotifères vivants. Bull. Soc. Mycol. France 36: 47-53. illus. Mr. 31, 1920. no. 1

Patouillard, Narcisse

Le genre Clavariopsis Holt. Bull. Soc. Mycol. France, 36: 61-63. illus. Mr. 31, 1920 no. 1

Bull. R. Soc. Tosc.ortic.

Roster, C.

La resistenza al freddo, la identificazione e la nomenclature delle palme, con elenco dei giardini d'Italia dove si coltivano all'aria aperta. Bull. R. Soc. Tosc.ortic. 45: 8-12, Ja./F. 1920 no. 1/2

Bull. Torr. Club

Harper, Roland McMillan

A week in eastern Texas. Bull. Torr. Club 47: 289-317. illus. Jl. 1920 no. 7

Haynes, Caroline Coventry

Illustrations of six species of Riccia, with the original descriptions. Bull. Torr. Club 47: 279-287. pl. 10-13. Jl. 1920 no. 7

Deut. Landw. Presse

Broili, Josef

Solanum edinense Berthault, ein für die landwirtschaft wertvoller kartoffelbastard. Deut. Landw. Presse, 47: 359-360. Je. 23, 1920 no. 50

Wollenweber, H. W.

Das "Forschungsinstitut für kartoffelbau". Deut. Landw. Presse, 47: 297-298. illus. (p. 296-298) My. 22, 1920 no. 50

Wollenweber, H. W.

Der kartoffelschorf. Berlin, 1920. (Arbeiten des Forschungsinstitutes für kartoffelbau. Heft 2) [Abstract] Deutl Landw. Presse, 47: 212-213. illus. (p. 210-214) Ap. 10, 1920. no. 28/29

Zade,

Ein neues verfahren zur bekämpfung des weizensteinbrandes. Deut. Landw. Presse, 47: 204-205, 210-211. Ap. 3-10, 1920. no. 27-28/29.

Deut. Obstb. Zeit.

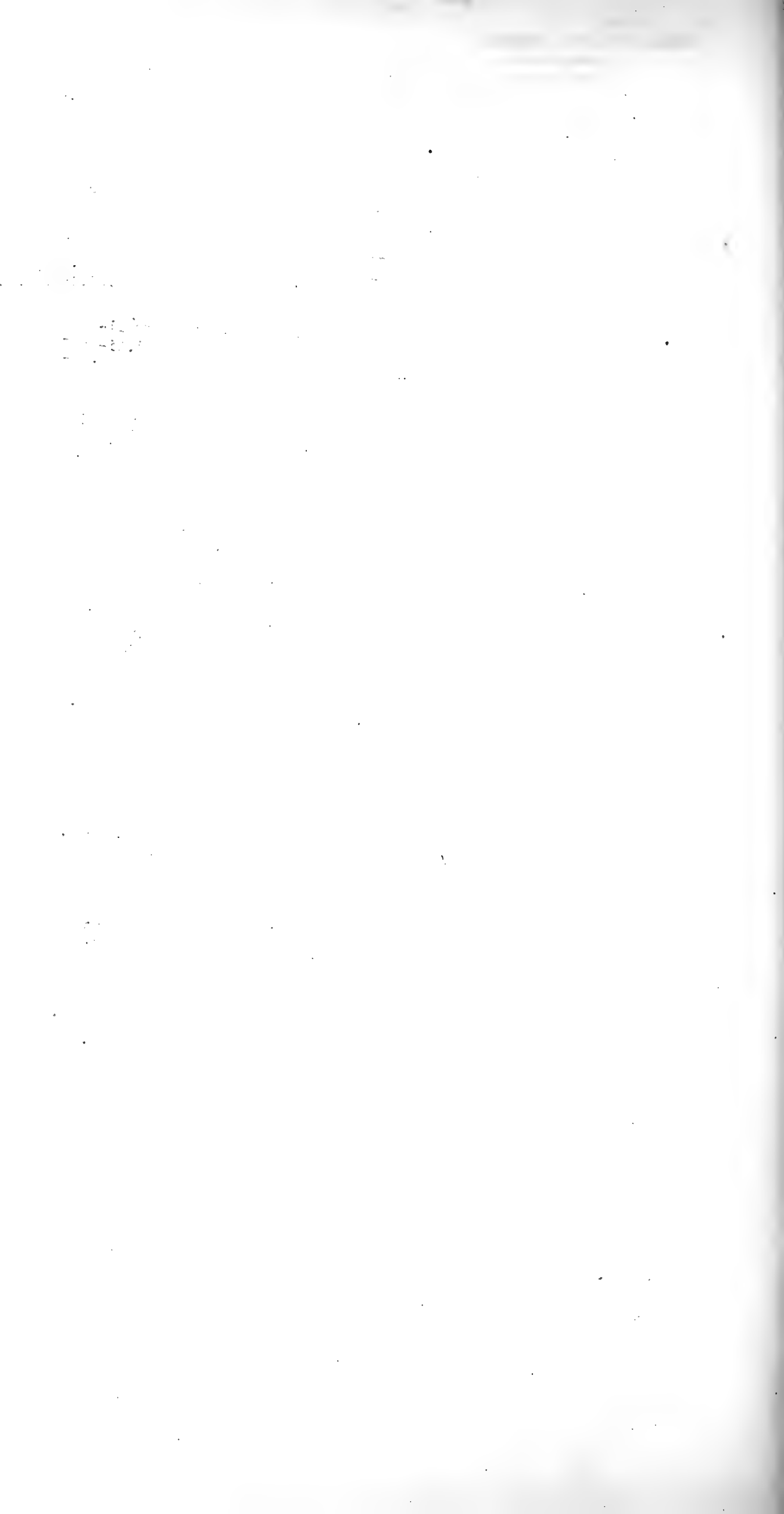
Gleisberg, Walther

Die amerikanische und einheimische moosbeers. Deut. Obstb. Zeit. 1920: 126-127. Je. 1, 1920 no. 7
Vaccinium macrocarpum & V. oxycoccus

Florida Grow.

Stevens, H. E.

Some diseases of the avocado and other subtropical fruits. Florida Grow. v. 22, no. 6, p. 4-5. illus. Aug. 7, 1920. no. 6.



Gard. Chron.

Farrer, Reginald
Mr. Reginald Farrer's second exploration in China. No.19.
Gard. Chron. III. 68: 20, J1.10,1920 no.1750.

Gard. Mag.

McFarland, J. H.
A visit to the rose factory. Gard. Mag. 31: 373-374.
illus. Ag.1920 no.6
Breeding experiments of W. Van Fleet.

Stout, A. B.
Chinese pe-tsai, the salad Mogul. Gard. Mag. 31:
368-369. illus. Ag.1920. no.6

Van Fleet, Walter
Raising new roses from seed. Gard. Mag. 31: 370-373.
illus. Ag.1920

Walker, R. S.
A tropical tree for the southern garden. Gard. Mag.
31: 378. illus. Ag.1920 no.6
Opuntia brasiliensis

Wilder, Louise Beebe
Some neglected poppies. Gard. Mag. 31: 354. Ag.
1920. no.6.

Wilson, E. H.
The romance of our trees. XI. Trees of columnar growth.
Gard. Mag. 31: 381-384. illus. Ag.1920 no.6

Gen. Bull. Penn. Dept. Agr.

McCubbin, W. A.
The brown rot of stone fruits. Gen. Bull. Penn.
Dept. Agr. 340 (Bur. Plant Ind. Circ. 3) 8 p. illus.
Ap.1920 no.240.

Journ. Bacteriol.

Winslow, C. E. A., W. Rothberg, & E. I. Parsons.
Notes on the classification of the white and orange
Staphylococci. Journ. Bacteriol. 5: 145-167. Mr.
1920. no.2.

Journ. Biol. Chem.

Dox, Arthur W.
The utilization of a-methylglucoside by *Aspergillus niger*.
Journ. Biol. Chem. 41: 475-481. Ap.1920 no.4.

Sando, C. E. & H. H. Bartlett
Rutin, the flavone pigment of *Escholtzia californica*
Cham. Journ. Biol. Chem. 41: 495-501. pl.6-7. Ap.
1920 no.4.

Journ. Internat. Gard. Club

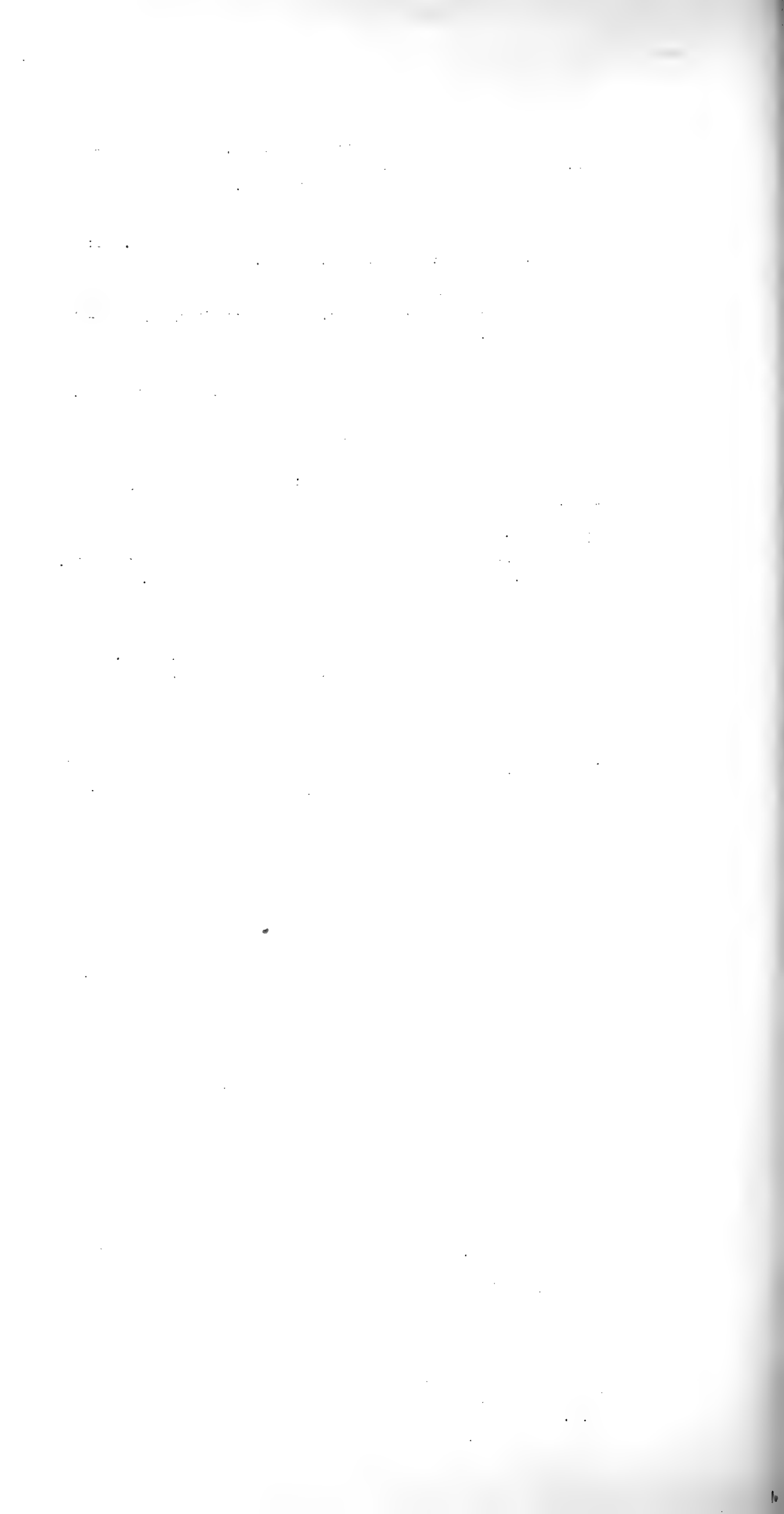
Braunton, Ernest
The California tree yucca (*Yucca brevifolia* Englm.
[sic]) Journ. Internat. Gard. Club 3: 567-571. D.1919
[Ag.1920] no.4

Lurie, Alexander, and G. H. Pring
Curiosities of plant life. III. Mimicry. Journ. Internat.
Gard. Club, 3: 627-642. illus. D.1919 [Ag.1920] no.4

Nehrling, Henry
My garden in Florida. Journ. Internat. Gard. Club, 3:
595-626, illus. D.1919 [Ag.1920]

Nuttall, Zelia
The gardens of ancient Mexico. II. Journ. Internat. Gard.
Club, 3: 572-590. illus. D.1919 [Ag.1920] no.4

Purdy, Carl
Pacific coast lilies and their culture. Journ. Internat.
Gard. Club, 3: 496-532. illus., 1 col.pl. D.1919[Ag.1920]
no.4.



- Journ. Internat. Gard. Club
 Singleton, Esther
 The Shakespeare garden. Journ. Internat. Gard. Club,
 3: 545-566. illus. D.1919 [Ag.1920] no.4
- Journ. Landw.
 Pfeiffer, T., Rippel, A., and Pfotenhauer, O.
 Der einfluss von kalk und magnesia auf das wachstum der
 pflanzen. Journ. Landw. 63: 5-39. My.1920 no.1
- Journ. Linn. Soc. Bot.
 Arber, E. A. N., & F. W. Lawfield.
 On the external morphology of the stems of Calamites, with
 a revision of the British species of Calamophloios and Die-
 tyocalamites of Upper Carboniferous age. Journ. Linn.
 Soc. Bot. 44: 507-530. pl.23-25. Mr.18,1920 no.300.
- Gates, M. C. S.
 Bennettites scottii, sp.nov., a European petrification with
 foliage. Journ. Linn. Soc. Bot 44: 483-494. illus.,
 pl.19-20. Mr.18,1920 no.300
- Paulsen, Robert & Somerville Hastings.
 The relation between the alga and fungus of a lichen.
 Journ. Linn. Soc. Bot. 44: 497-506. pl.21-22. Mr.18,1920.
 no.300
- Mem. R. Acad. Cienc. Barcelona
 Gonzalez Fragoso, Romualdo
 Datos para la deuteromicetologia catalana. Mem. R.
 Acad. Cienc. y Artes, Barcelona, III. 15(17): 429-467.
 illus. My.1920 no.17
- Mycologia
 Fitzpatrick, H. M.
 Monograph of the Coryneliaceae. Mycologia, 12: 206-
 237. pl.13-18. Jl.1920. no.4
- Hedgcock, George G., N. R. Hunt, & G. G. Hahn
 New species and relationships in the genus Coleosporium.
 Mycologia, 12: 182-198. Jl.1920. no.4
- Riddle, L. W.
 Observations on the genus Acrosperma. Mycologia, 12:
 175-181. pl.11. Jl.1920 no.4
 A. naxoni Farlow sp.nov.
- Saccardo, P. A.
 Notae mycologicae, ser. XXIX. Micromycetes Dakotenses et
 Utahenses a Doct. J. F. Brenckle lecti et communicati.
 Mycologia, 12: 139-305. Jl.1920 no.4
- Naturw. Wochenschr.
 Killermann, Sebastian
 Von einigen peruanischen neueinführungen in unseren gär-
 ten um 1600. Naturw. Wochenschr. 35: 369-373. Je.13,
 1920. no.34.
- Killermann, Sebastian
 Zur älteren geschichte der orchideen. Naturw. Wochen-
 schr. 35: 351-357. Je.6,1920 no. 22/23
- Naturw. Zeitschr. Forst- u. Landw.
 Beck, Olga
 Über eine methode der saatgutuntersuchung auf brand und
 über das versagen der kupfervitriolbeize. Naturw. Zeit-
 schr. Forst- u. Landw. 18: 83-99. Mr./Ap.1920 no.3/4
- Börnbeck, O. E. G.
 Die wasserversorgung der pflanzen in winde. Naturw.
 Zeitschr. Forst- u. Landw. 18: 121-141. Mr./Je.1920
 no.5/6
- Heinricher, Paul
 Zur biologie der blüte von Arceuthobium. Naturw. Zeit-
 schr. Forst- u. Landw. 18: 101-107. Mr./Ap.1920 no.3/4
 Comment on Tabeuf's "Überblick über die arten der gattung
 Arceuthobium (Razoumowskia)" in v.17 of same journal.
 no. 3/4



Naturw. Zeitschr. Forst- u. Landw.

Pietsch, Albert

Wie erklärt sich das lange hängenbleiben der blätter an einigen phanerogamen holzgewächsen im herbst 1919?

Naturw. Zeitschr. Forst- u. Landw. 18: 150-155. My./Je.1920. no.5/6

Tubeuf, Carl von

Rückinfektion mit Peridermium pini (Cronartium asclepiadeum) von der schlangenzwurz auf die kiefer. Naturw. Zeitschr. Forst- u. Landw. 18: 99-101. Mr./Ap.1920 no.3/4

Infection from Cronartium-stage on Cynanchum vincetoxicum

Ne

New Jersey Dept. Agr. Bull.

Cook, M. T.

Lessons learned from seed inspection last season.

New Jersey Dept. Agr. Bull. 24: 280-284. Mr.1920 no.24.

Martin, W. H., 1890-

Potato scab control. New Jersey Dept. Agr. Bull. 24: 288-291. Mr.1920 no.24.

Penn. Agr. Exp. Sta. Bull.

Adams, J. F.

Rusts on conifers in Pennsylvania. Penn. Agr. Exp. Sta. Bull. 160: 3-30. illus. D.1919 no.160

Adams, J. F.

Sexual fusions and developmet of the sexual organs in the Peridermiums. Penn. Agr. Exp. Sta. Bull. 160: 31-77 incl. illus. D.1919 no.160

Proc. Biol. Soc. Wash.

Blake, S. F.

Nine new plants of the genus Stylosanthes. Proc. Biol. Soc. Wash. 33: 45-54. Jl.24,1920

Standley, P. C.

Six new species of plants from Mexico. Proc. Biol. Soc. Wash. 33: 65-68. Jl.24,1920

Weiss, H. B. & Erdman West

Fungous insects and their hosts. Proc. Biol. Soc. Wash. 33: 1-20, pl.1. Jl.24,1920
Fungous host list, p.11-17.

Progr. Agr. & Vitic.

Gauch, Achille & Joseph Durand

Quelques considérations sur la nature de la maladie du court-noué. Progr. Agr. & Vitic. 74: 540-543. J4,6, 1920. no.23

See also p.536.

Pub. Puget Sound Biol. Sta.

Child, C. M.

A study of susceptibility in some Puget Sound algae. Pub. Puget Sound Biol. Sta. 2: 249-267. D.30,1919 [1920] no.48/52

Gail, F. W.

Hydrogen ion concentration and other factors affecting the distribution of Fucus. Pub. Puget Sound Biol. Sta. 2: 287-306 incl. pl.51-52. D.31,1919 [1920] no.48/52

Herre, A. W. C. T.

A list of lichens from southeastern Alaska. Pub. Puget Sound Biol. Sta. 2: 279-285. D.31,1919 [1920] no.48/52

Smith, C. W.

Variation in the number of ribs of Costaria costata. Pub. Puget Sound Biol. Sta. 2: 307-312 incl. pl.53. D.31,1919 [1920] no. 48/52

Rev. R. Acad. Cienc. Madrid

González Frago, Romualdo

Contribución al conocimiento de los dsimeronictos de España. Rev. R. Acad. Cienc. Madrid, 1917 381-702 508-511. 1917



Rev. Hort.

Guillaumin, André

Le Cologasia, Apropos de l'introduction récente du vrai
C. indica. Rev. Hort, 92: 104-106, illus. Je.16,
1920 no,6

Robertson Proschowsky, A

L'Aralia a papier sur la Côte d'Azur, Rev. Hort. 92:
103, Je.16,1920 no,6

Rhodora

Deane, Walter & M. L. Fernald

A new albino raspberry. Rhodora, 22: 112. Je,1920
no.258

Rubus idaeus L., var. canadensis Richardson, forma Warei.

Fernald, M. L.

A new Digitaria from New Hampshire. Rhodora, 22: 101-
104. Je.1920 no.258

D. laevigulmis & several new combinations.

Fernald, M. L.

Pyrola rotundifolia and P. americana. Rhodora, 22:
121-123. Jl.1920 no.259

P. rotundifolia L., American varieties arenaria and am-
ericana (Sweet) n.comb.

Long, Bayard

Regarding Gentiana andrewsii in the coastal plain of
New Jersey. Rhodora, 22: 104-109 Je.1920 no.258

Long, C. A. E.

Some noteworthy Matricaria plants. Rhodora, 22: 110-
111. Je.1920 no.258

New England botanical club

Reports on the flora of the Boston district. XXXIII.
Rhodora, 22: 123-127. Jl.1920 no.259

St. John, Harold & Donald White

The genus Galinsoga in North America. Rhodora, 22:
97-101. Je.1920 no.258

Standley, P. C.

Stachys lanata in Ontario. Rhodora, 22: 128. Jl.
1920 no. 259

Weatherby, C. E.

Varieties of Pityrogramma triangularis. Rhodora, 22:
113-120. Jl.1920 no.259

Maxoni and pallida, new vars.; viscosa, n.comb.

Science

Stevens, O. A.

Uses of plants ~~of~~ by the Indians. Science, n.s, 52:
99-101. Jl.30,1920. no.1335

Scott. Journ. Agr.

Lauder, Alexander

The electrical treatment of seeds. Scott. Journ. Agr, 3:
340-344. Jl.1920 no.3

So. Afr. Journ. Sci.

Kotze, J. J. & E. P. Phillips

A note on the genus Faurea, Harv. So. Afr. Journ. Sci.
16: 232-238. maps, pl. xiii-xviii. O./D. 1919 no.3

Putterill, V. A.

A new apple tree canker. So. African Journ. Sci. 16:
258-271. illus., pl.xxi-xxx. O./D. 1919 no.3

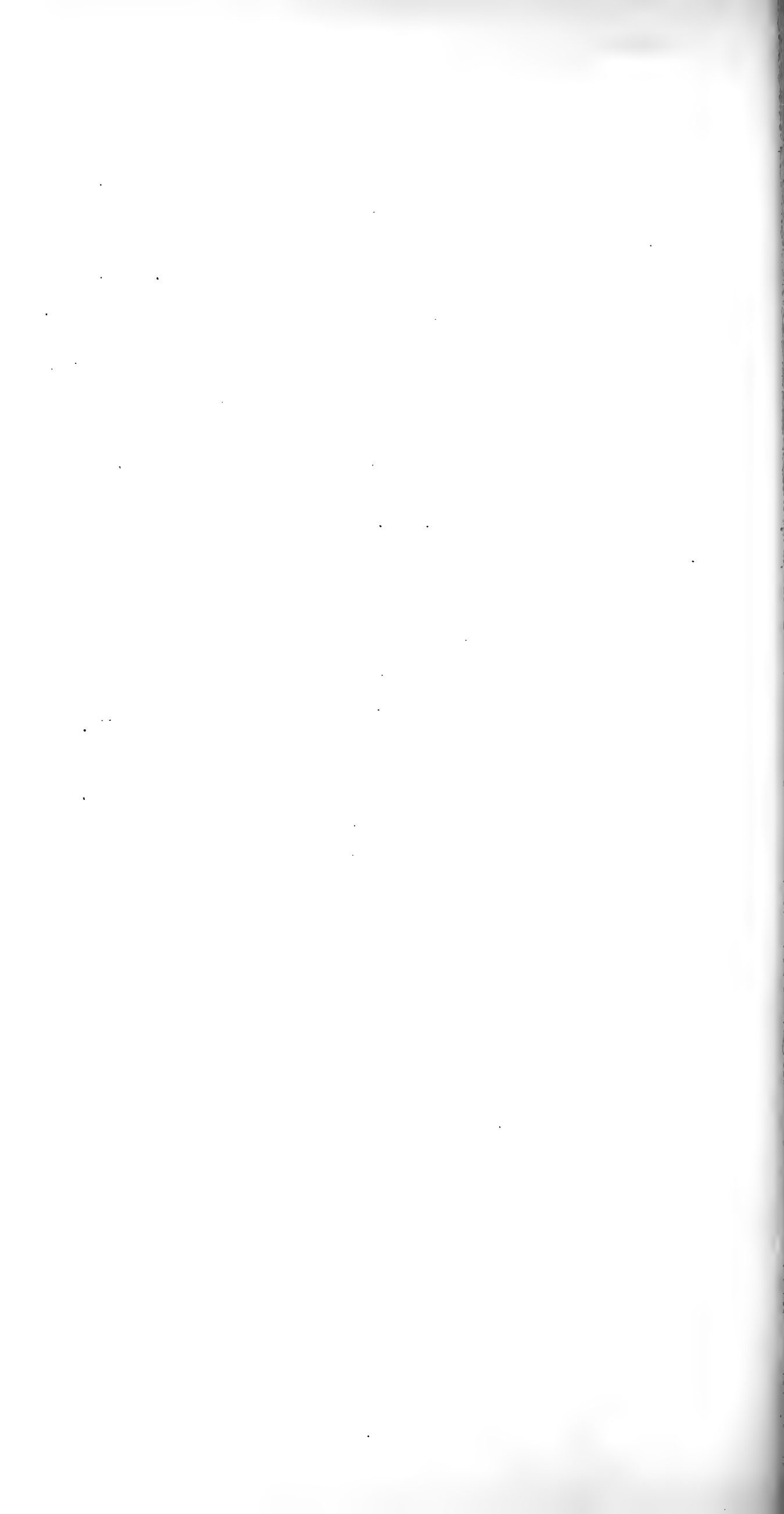
References: p.270.

Due to apparently undescribed fungus for which is proposed
the name Botryosphaeria mali n.sp.

Van der Bijl, Paul Andries

The systematic position of the fungus causing root-disease
of sugar-cane in Natal and Zululand. So. African Journ.
Sci, 16: 204-206. O./D. 1919 no.3

Himantia stellifera, not Marasmius sacchari, cause of root
disease in Natal and Zululand.



Torreya

Jennings, Otto E.
The paper mulberry (*Broussonetia*) an "artillery plant".
Torreya, 20: 52-53. My./Je.1920 no.3

Nelson, J. C.
Additions to the flora of western Oregon during 1919.
Torreya, 20: 37-45. My./Je.1920 no.3

Pool, R. J.
Pin oak in Nebraska. Torreya, 20: 50-52. My./Je.
1920. no.3

Trans. Peninsula Hort. Soc.

Burger, O. F.
Decay of fruit during process of marketing. Trans.
Peninsula Hort. Soc. 33 (Delaware State Bd. Agr. Bull.
v.9, no.3): 62-65. 1920 no.33

Le Cato, J. M.
Investigational work in cantaloupe diseases. Trans.
Peninsula Hort. Soc. 33 (Delaware State Bd. Agr. Bull. v.9,
no.3): 77-78. 1920 no.33

Travers, W. C.
Report of dusting experiments. Trans. Peninsula Hort.
Soc. 33 (Delaware State Bd. Agr. Bull. v.9, no.3): 39-43.
1920. no.33

Wellington, Richard

Recent investigational work with the tomato. Trans.
Peninsula Hort. Soc. 1920, 33 (Delaware State Bd. Agr. Bull.
v.9, no.3): 73-76. 1920. no.33

Univ. Calif. Pub. Bot.

Satchell, W. A. and N. L. Gardner
The marine algae of the Pacific coast of North America,
Part II. Chlorophyceae. Univ. Calif. Pub. Bot. 8: 139-
374. pl.9-33. Jl.14,1920 no.2
Bibliography, p.307-325

Satchell, W. A. & N. L. Gardner
Phycological contributions. I. Univ. Calif. Publ. Bot.
7: 279-324. pl.21-31. Jl.8,1920; no.9
Bibliography, p.301-303

Zeitschr. Forst- u. Jagdw.

Busse,
Impfversuche mit dem austernpilz (*Agaricus ostreatus*)
Zeitschr. Forst- u. Jagdw. 52: 350-365. Je.1920 no.6

Haack,
Zur kienzopf-krankheit. Ein erneuter infektionserfolg
mit *Scidiensporen*. Zeitschr. Forst- u. Jagdw. 48: 255-
258. My.1916

Neger, F. W.
Die rolle des lichts und des chlorophylls bei der entste-
hung von rauchschäden an grünen pflanzen. Zeitschr. Forst-
u. Jagdw. 48: 624-635. illus. D,1916

Zeitschr. Landw. Versuchsw. Deutschösterreich

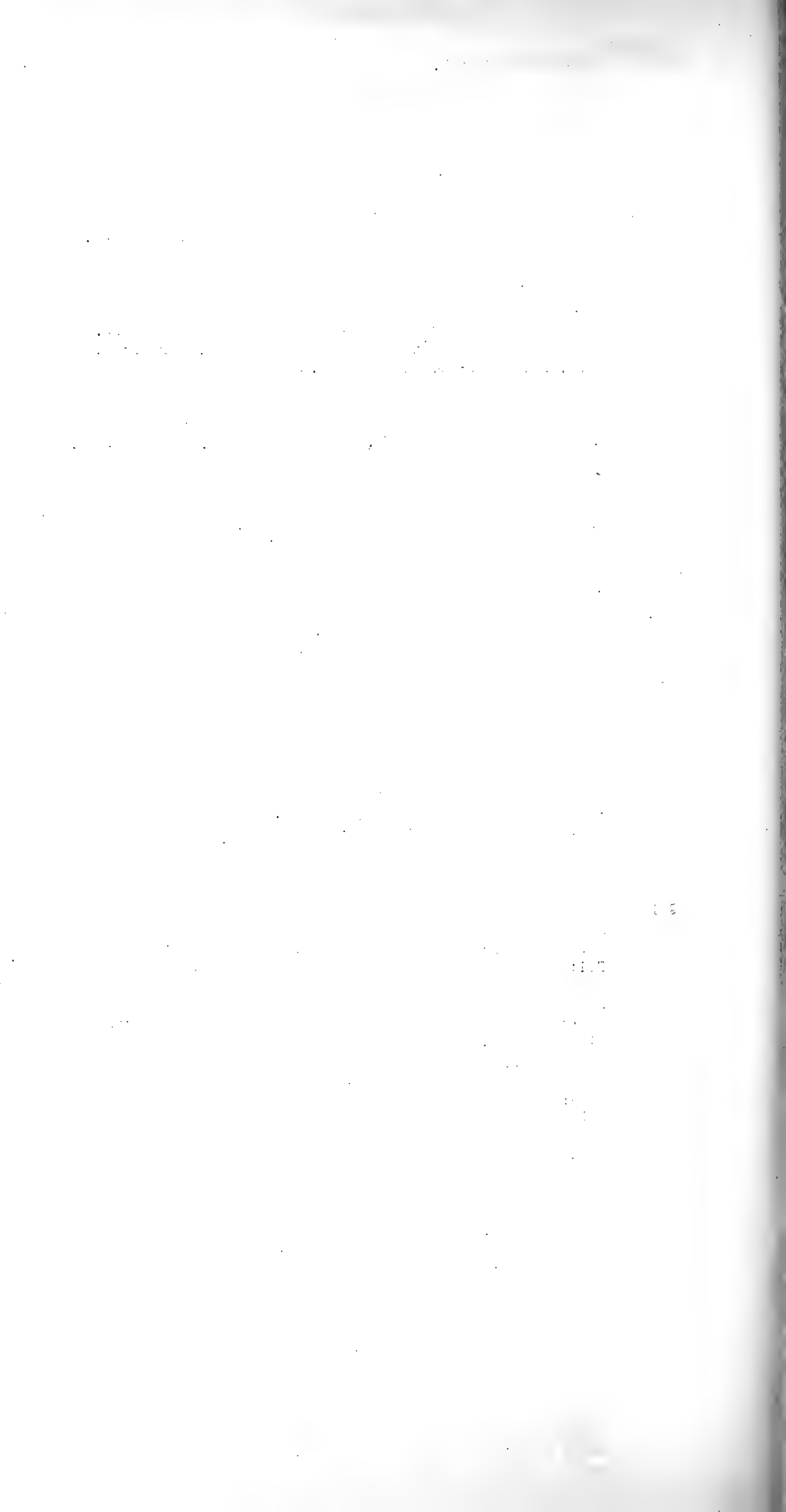
Wöber, A.
Vorschläge zur bekämpfung des roten brenners und des falschen
mehltaues der reben im jahre 1919. Zeitschr. Landw. Ver-
suchsw. Deutschösterreich, 23: 1-16. Ja./Ap,1920 no. 1/4

Zeitschr. Pflanzenkr.

Heinricher, Emil
Zur kenntnis der verhältnisse zwischen mistel und birn-
bäumen. Zeitschr. Pflanzenkr. 30: 41-51. illus. 1920,
no. 2/3.

Killian, Karl

Über die blattfleckenkrankheit der tomate hervorgerufen
durch *Septoria lycopersici*. Zeitschr. Pflanzenkr. 33:
1-17. illus. 1920. no.1



~~Zentralblatt für Bakteriologie~~

Notiz zur Ätiologie der durchswachungen bei birnenfrüchten.
birnenfrüchten. Zeitschr. Pflanzenkr. 30: 71-73, illus.
1920. no. 2/3.

Schaffnit, Ernst

Versuche zur bekämpfung des kartoffelkrebses im jahre
1918/19. Zeitschr. Pflanzenkr. 30: 59-67. 1920 no.2/3

Wöber, A.

Die fungizide wirkung der verschiedenen metalle gegen
Plasmopara viticola Berl. et de Toni und ihre stellung im
periodischen system der elemente. Zeitschr. Pflanzenkr.
30: 51-59. 1920. no. 2/3.

New Books

Atanasoff, Dimitr

Ergot of grains and grasses, [Washington] 1920
127 p. 27 cm.
Mimeographed MS.

Stenciled and distributed by Office of Cereal investiga-
tions, Bur. Plant Industry, U. S. Dept. agriculture.

Bailey, L. H.

Genus herbarium; occasional papers on the kinds of plants,
Vol. 1, fasc. 1. A collection of plants in China. Jl. 31, 1920.

Bennet, I. D.

The busy woman's garden book. Boston [c.1920]

Chancerel, Lucien

Précis de botanique forestière et biologie de l'arbre ex-
posé suivant une méthode nouvelle. Paris, 1920

Cuthbertson, William

Sweet peas and antirrhinums (snapdragons) 2d ed. Lon-
don [1919?]

Fischer, Eduard

Ueber eine Botrytis-krankheit der kakteen. Schweiz. Obst-
& Gartenbauzeit. 23: 106-107. 1920
Reprinted. 1 leaf

Fruwirth, Karl

Landwirtschaftlich wichtige hülsenfrüchter, 2. aufl. Heft
2. Berlin, 1919
Landwirtschaftliche hefte, hft. #0/31.

Guezille, Francia

Les lois protectrices de l'agriculture en ce qui concerne la
destruction des insectes, végétaux et cryptogames nuisibles.
Rennes, 1910

Henry, J. K.

Flora of southern British Columbia and Vancouver Island with
many references to Alaska... Toronto, [1915]

Hutchings, D. E.

New Zealand forestry. Part 1. Wellington, 1919

India, Survey

Records of the survey of India, Vol. VIII. Exploration in
Tibet and neighboring regions 1865-1879. Dehra Dun, 1915
a v. f°.

Kennedy, P. B.

Annotated list of the wild flowers of California. [c1917]

Laughton, A. M., & T. S. Hall, eds.

Handbook to Victoria. (British association for the ad-
vancement of science, Australian meeting, 1914) Melbourne
[n.d.]

Lumière, Auguste

Le mythe des symbiotes. Paris, 1919



New Books

- Meulen, Regina Q. van
Welwitschia mirabilis Hook. f., morphologie van het zaad en
de vegetative organen. Groningen, 1917.
Proefschrift
- Nakai, Takenoshin
Report on the vegetation of the island Ooryongto or Dage-
let Island, Corea, February 1918. 1919
- Rogers, C. C.
Conifers and their characteristics. London, 1920.
- Schmid, Albert
Beiträge kenntnis bolivianischer nutzhölzer. Winter-
thur, 1915.
- Small, James
The origin and development of the Compositae. London,
1919.
Reprinted from New Phytologist, v. xvi-xviii.
- Small, R. A.
Citrus growing in South Africa; oranges, lemons, maartjes,
etc. Pretoria, 1919
- Wittmack, Ludwig
Gemüsesamenbau. Berlin, 1919. (Landwirtschaftliche
hefte, no. 41/43) 96 p., illus.
- Wünsche, August
Die pflanzenfabel in der weltliteratur. Leipzig &
Wien, 1905.

- Agr. Dept. St. Lucia, Leaflet
Brooks, A. J.
Efforts made to prevent the introduction of serious
plant pests and diseases into Saint Lucia, and the
spreading therein. Agr. Dept. St. Lucia, Leaflet
no.17. 12 p. D.1919
- Agr. Gaz. Canada
Canada. Experimental farms. Division of botany
Mosaic diseases in potatoes. Agr. Gaz. Canada, 7:
557-558. Jl.1920
- Agr. Gaz. N.S.W.
Breakwell, E.
Popular descriptions of grasses. (cont.) The intro-
duced Chloris grasses. Agr. Gaz. N.S.W 31: 507-
512. illus. Jl.2,1920.
- Maiden, Joseph H.
Is *Stypanandra glauca* R. Br., a poison plant? Agr.
Gaz. N. S. W. 31: 461. Jl.2,1920
- Pridham, J. T.
Natural crossing in wheat. Agr. Gaz. N. S. W. 31:
457-461. illus. Jl.2,1920.
- Agr. Journ. India
Burns, William
Some aspects of plant genetics. Agr. Journ. India,
15: 260-276. My.1920.
- Ann. Mycol.
Dietsel, Paul
Über die *Acididium*form von *Uromyces genistae tinctoriae*.
Ann. Mycol. 17: 108-109. 1919[1920].
Acididium euphorbiae
- Höhnelt, Franz Xavier von
Mykologische fragmente. (CCXCI-CCCIV) Ann. Mycol.
17: 114-133. 1919[1920]
- Duyk, A. van
Über *Gloeosporium tremulae* (Lib.) Pass. und *Gloeosporium*
populi-albae Desm. Ann. Mycol. 17: 110-113. illus.
1919[1920]
- Petrak, Franz
Mykologische notizen. Ann. Mycol. 17: 59-100. 1919
[1920]
- Sydow, Hans
Ferdinand Theissen S.J. Ann. Mycol. 17: 134-139.
1919[1920]
Schriftenverzeichnis, p.137-139.
- Sydow, Hans & P. Sydow
Über einige uredineen mit quellbaren membranen und er-
höhter keimporenzahl. Ann. Mycol. 17: 101-107. 1919
[1920]
- Ann. N. Y. Acad. Sci.
Lloyd, F. E.
Environmental changes and their effect upon boll-shed-
ding in cotton (*Gossypium herbaceum*) Ann. N. Y. Acad.
Sci. 29: 1-131. fold. table 1920
- Biol. Zentralbl.
Wiedemann, Eilhard
Über die gesetzmässigkeiten bei pflanzen nach Al Biruni.
Biol. Zentralbl. 40: 113-116. F./Mr.1920.
- Ref

Bull. Mens. R. Staz. Patol. Veg. Roma

Cuboni, Giuseppe

La lotta contro la peronospora. Oggi e ... quarant'anni fa? Bull. Mens. R. Staz. Patol. Veg. Roma, 1: 35-40. Mr./Ap.1920

Pantanelli, Enrico

Sulla causa del "mosaic" nelle piante. Bull. Mens. R. Staz. Patol. Veg. Roma, 1: 40-41. Mr./Ap.1920

Traverse, G. B.

Un po' di storia della organizzazione del servizio fitopatologico in Italia. Bull. Mens. R. Staz. Patol. Veg. Roma, 1: 7-16. Ja./F.1920.

Bull. Agr. Inst. Sci. Saigon

Mieville, R.

Le pommier sauvage au Tran-Ninh (Laos) Bull. Agr. Inst. Sci. Saigon, 2: 204-207. Jl.1920.

Bull. Misc. Inform. Kew

Drummond, J. R. & J. Hutchinson.

A revision of *Isopyrum* (Ranunculaceae) and its nearer allies. Bull. Misc. Inform. Kew, 1920 p.145-169. illus. Je.1920.

Hill, A. W.

Tresco Abbey gardens, Scilly Isles. Bull. Misc. Kew, 1920, p.170-174. Je.1920

Bull. Soc. Linn. Normandie

Houard, C. & M. Lortet

Des effets de l'hiver 1916-1917 sur les plantes du Jardin botanique de Caen. Bull. Soc. Linn. Normandie, VI, 10: 184-212. 1919[1920?]

Lemée, E.

Notes de pathologie végétale. Bull. Soc. Linn. Normandie, VI, 10: 40-44. 1919[1920?]

Letacq, Arthur Louis, abbe

Excursions mycologiques aux environs d'Alençon. Bull. Soc. Linn. Normandie, VI, 8: 73-85. 1916; 9: 116-150. 1919; 10: 98-162. 1919[1920?]

Bull. Soc. Path. Veg. France

Molliard, Marin

Ramures présentées par les racines du chou-rave et de la betterave. Bull. Soc. Path. Veg. France, 7: 17-19. Ja./Mr.1920

Not due to *Plasmodiophora*; possibly akin to crown gall described by E. F. Smith

Puttemans, Arsène

Une nouvelle maladie de la vigne - L'arrachement des grappillons. Bull. Soc. Path. Veg. France, 7: 34-36. illus. Ja./Mr.1920.

Puttemans, Arsène

Sur l'*Oidium* du chêne au Brésil. Bull. Soc. Veg. Path. France, 7: 37-40. Ja./Mr.1920
Microsphaera quercina on oaks.

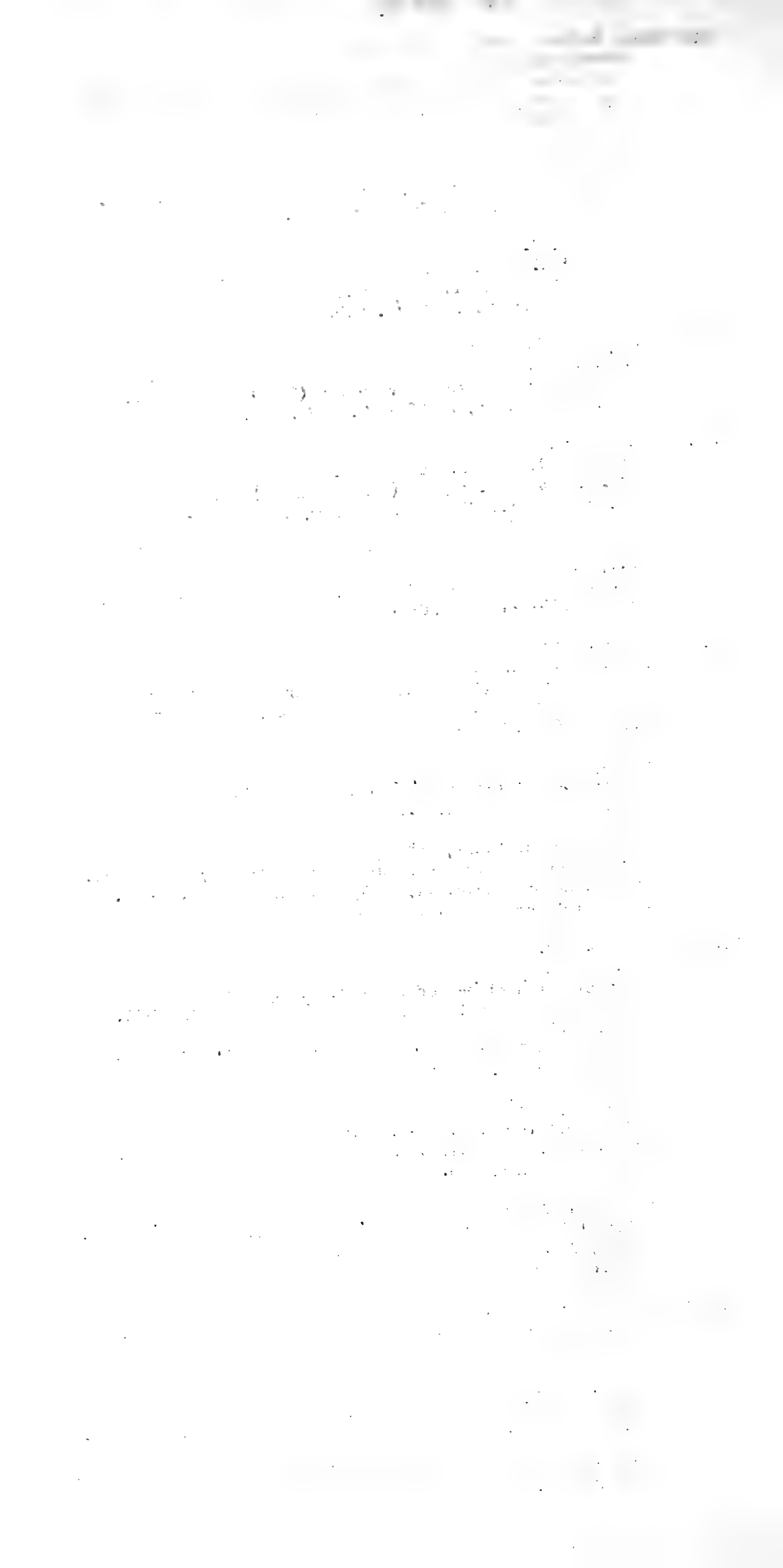
Bull. So. Calif. Acad. Sci.

Allium montigenum n. sp. Bull. So. Calif. Acad. Sci. 19: 55-56. Jl.1920.

Moxley, G. L.

Notes, chiefly nomenclatorial, on southern California ferns. Bull. So. Calif. Acad. Sci. 19: 56-57. Jl.1920.

New or noteworthy additions to the flora of S. California. Bull. So. Calif. Acad. Sci. 19: 54-55. Jl.1920.



Centralbl. Bakt. Abt. II

Friederichs, Karl

Über die pleophagie des insektenpilzes *Metarrhizium anisopliae* (Metsch.) Sor. Centralbl. Bakt. II. Abt. 50: 335-356. col. pl. Mr. 26, 1920.

Fulmek, Leopold & A. Stift

Über im Jahre 1916 erschienene bemerkenswerte mitteilungen auf dem gebiete der tierischen und pflanzlichen feinde der kartoffelpflanze. Centralbl. Bakt. II. Abt. 51: 97-129. Je. 10, 1920.

Rahn, Otto

Versuch einer natürlichen gruppierung der bakterien. Centralbl. Bakt. II. Abt. 50: 273-293. Mr. 26, 1920.

Compt. Rend. Acad. Sci. Paris

Bourquelot, Emile & H. Hérissey

Présence dans le mélilot et l'asperule odorante, de glucosides fournissant de la coumarine sous l'action hydrolysante de l'émulsine. Compt. Rend. Acad. Sci. 170: 1545-1560. Je. 28, 1920.

Gallaud, I.

Une lignée de giroflées à anomalies multiples et héréditaires. Compt. Rend. Acad. Sci. Paris, 171: 47-49. Jl. 5, 1920.

Guérin, Paul & Ch. Lormand

Action plasmolytante d'un certain nombre de vapeurs. Compt. Rend. Acad. Sci. Paris, 170: 1597-1601. Je. 28, 1920.

Margenot, G.

Sur l'évolution des chromatophores et le chondriome chez les floridées. Compt. Rend. Acad. Sci. Paris, 170: 1595-1598. illus. Je. 28, 1920.

Compt. Rend. Soc. Biol. Paris

Guilliermond, Alexandre

A propos de deux notes récentes de M. Dangeard. Compt. Rend. Soc. Biol. Paris, 83: 979-982. Je. 26, 1920.

Guilliermond, Alexandre

Sur le sphérome de M. Dangeard. Compt. Rend. Soc. Biol. Paris, 83: 975-979. illus. Je. 26, 1920.

Wildeman, Emile de

La régression des fleurs mâles chez des bananiers africains. Compt. Rend. Soc. Biol. Paris, 83: 1002-1004. Jl. 3, 1920.

Ecology

Adams, C. C., and others

Plants and animals of Mount Marcy, New York, Part I. Ecology, 1: 71-94. illus., pl. 2. Ap. [Ag.] 1920

Burkholder, W. H.

The effect of two soil temperatures on the yield and water relations of healthy and diseased bean plants. Ecology, 1: 113-123. illus. Ap. [Ag.] 1920.

Forsyth, C. C.

Anatomical reduction in some alpine plants. Ecology, 1: 124-135. pl. iii-iv. Ap. [Ag.] 1920
Bibliography, p. 134-135

Florida Grow.

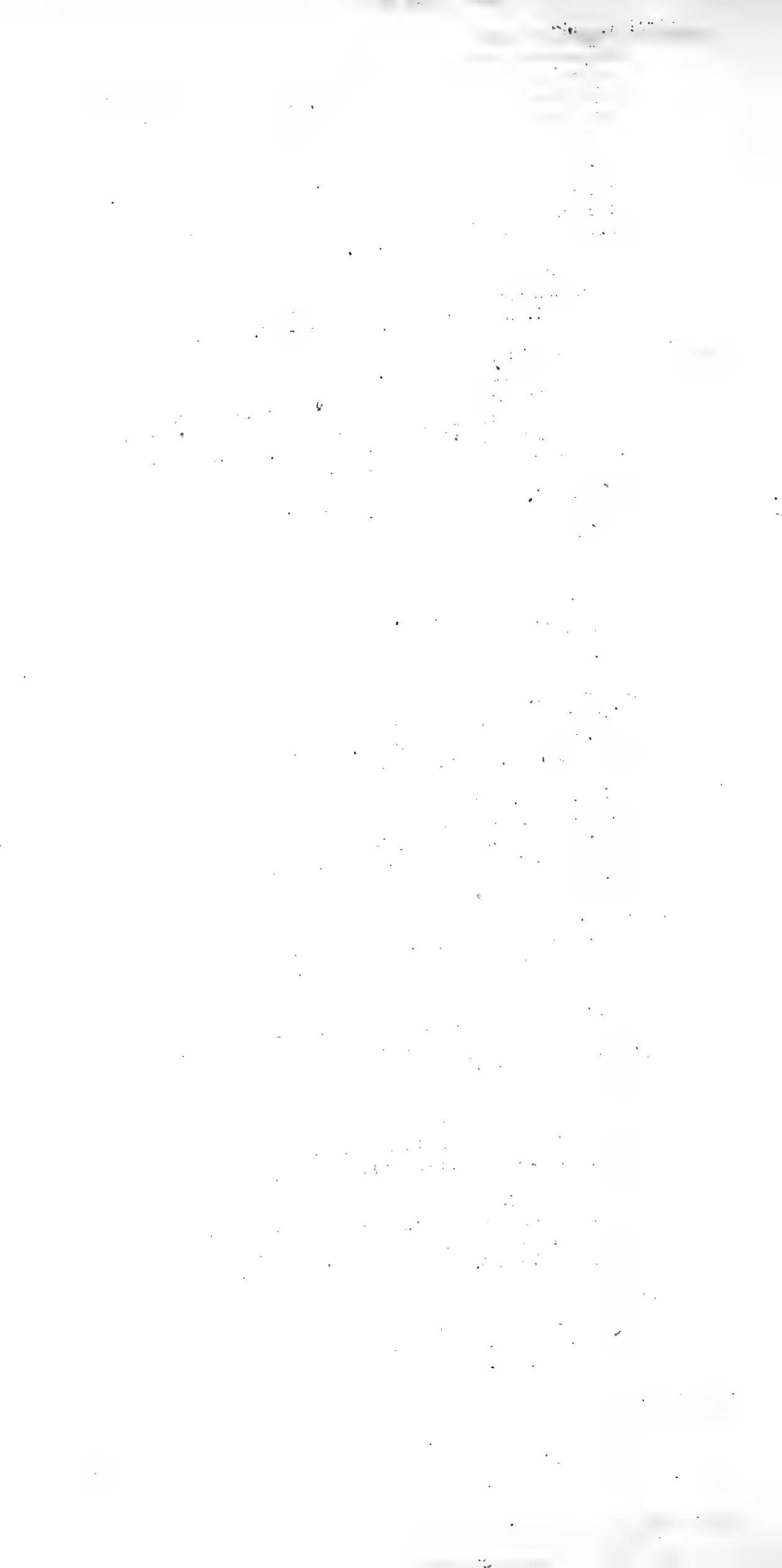
Stevens, H. E.

Some diseases of the avocado and other sub-tropical fruits (cont.) Florida Grow. v. 22, no. 7, p. 5, 18-19. illus. Ag. 14, 1920.

Gard. Bull. Straits Settlement.

Chipp, T. F.

A host index of fungi of the Malay peninsula. II. Gard. Bull. Straits Settlement. 3: 276-282. Je. 28, 1920.



- Gard. Bull Straits Settle.
Flippance, F.
Betel. Gard. Bull Straits Settle. 2: 294-300.
3 pl. Je.28,1920
- Mathieu, E.
The oil palm in the east. II. Gard. Bull. Straits
Settle. 2: 265-275. Je.28,1920.
- Gard. Chron.
Hosing, A.
Hybrid calceolarias. Gard. Chron. III. 68: 47,
illus. Jl.24,1920.
- Illinois Agr. Exp. Sta. Bull.
Anderson, H. W.
Dendrophoma leaf blight of strawberry. Illinois Agr.
Exp. Sta. Bull. 229: 127-136. illus. Jl.1920.
- Illinois Agr. Exp. Sta. Circ.
Reed, G. M. & G. H. Dungan
Flag smut and take-all. Illinois Agr. Exp. Sta.
Circ. 242: 1-4. illus. Jl.1920
- Journ. Agr. Res.
Braun, Harry
Presoak method of seed treatment: a means of prevent-
ing seed injury due to chemical disinfectants and of in-
creasing germicidal efficiency. Journ. Agr. Res. 19:
363-392. pl.69-82. Jl.15,1920
- Harlan, H. V. & Stephen Anthony
Development of barley kernels in normal and clipped
spikes and the limitations of awnless and hooded vari-
eties. Journ. Agr. Res. 19: 431-472. Ag.2,1920
- Harlan, H. V.
Daily development of kernels of Hamchen barley from
flowering to maturity at Aberdeen, Idaho. Journ. Agr.
Res. 19: 393-429. pl.83-91. Ag.2,1920.
- Peltier, G.L. & W. J. Frederick
Relative susceptibility to citrus-canker of different
species and hybrids of the genus Citrus, including the
wild relatives. Journ. Agr. Res. 19: 339-362. pl.57-
68. Jl.15,1920.
- Journ. Amer. Pharm. Assoc.
Bliss, A. R.
Proposed vegetable drug deletions. Journ. Amer. Pharm.
Assoc. 9: 767-771. Ag.1920.
- Viehoever, Arno
Commercial hydrastis (goldenseal) Journ. Amer. Pharm.
Assoc. 9: 779-784. illus. Ag.1920.
- Journ. Biol. Chem.
Harvey, R. B.
Hydrogen ion changes in the mosaic disease of tobacco
plants and their relation to catalase. Journ. Biol.
Chem. 42: 397-400. Jl.1920
- Journ. Bombay Nat. Hist. Soc.
Blatter, Ethelbert, and F. Hallberg
The flora of the Indian desert (Jodhpur and Jaisalmer)
Pt. III-IV. Journ. Bombay Nat. Hist. Soc. 26: 811-818.
pl.xxvi-xxxi. O.20,1919; 26: 967-987. Ja.31,1920.
- Journ. Dept. Agr. So. Africa
The botanical survey of the Union [of South Africa]
Journ. Dept. Agr. So. Africa, 1: 180-182. My.1920.
- Doidge, E. M.
The eradication of citrus-canker. Journ. Dept. Agr.
So. Africa, 1: 124-134. maps. My.1920.
- Putterill, V. A.
Flag smut of wheat. Journ. Dept. Agr. So. Africa, 1:
252-257. illus. Je.1920

- Journ. Dept. Agr. Victoria
 Brittlebank, C.C.
 Flag smut (*Urocoystis tritici*, Koern.) Journ. Dept.
 Agr. Victoria, 18: 240-243, illus. Ap.1920.
- Journ. Dept. Sci. Univ. Calcutta
 Bal, S. N., and H. P. Choudhury.
 Commentationes mycologicae, 2-7. Journ. Dept. Sci.
 Univ. Calcutta, 2(Bot.): 1-9, 31-36, 1920.
- Brühl, P. J.
 Note on *Lindenbergia urticifolia*, Lehm. and *Lindenbergia*
polyantha, Royle. Journ. Dept. Sci. Univ. Calcutta, 2
 (Bot.): 17-30. 1920.
- Brühl, P. J.
 On the systematic position of *Lindenbergia*, Lehmann.
 Journ. Dept. Sci. Univ. Calcutta, 2(Bot.): 11-16. 1920.
- Journ. Ind. Bot.
 Blatter, Ethelbert, F. Hallberg, and C. McCann
 Contributions toward a flora of Baluchistan; from mat-
 erials supplied by Col. J. E. B. Hotson. (cont.) Journ.
 Ind. Bot. 1: 263-270. Ap.1920.
- Sabnis, T. S.
 The physiological anatomy of the plants of the Indian
 desert. (cont.) Journ. Ind. Bot. 1: 237-251. illus.
 (pl.xiii-xiv) Ap.1920
- Sawhney, Kali D.
 The vascular connections and the structure of the tendrils
 in some Cucurbitaceae. Journ. Ind. Bot. 1: 253-262.
 illus. Ap.1920.
- Journ. Infect. Dis.
 Bergstrand, Hilding
 On the nature of bacteria. Journ. Infect. Dis. 27:
 1-22, pl.1-viii. Jl.1920.
- Journ. Min. Agr. Gt. Brit.
 Great Britain. Ministry of agriculture
 Insect and fungus pests in July and August [1920]
 Journ. Min. Agr. Gt. Brit. 27: 375-378,
- Journ. N.Y. Bot. Gard.
 Hitchcock, A. S.
 Report on a recent trip to British Guiana. Journ. N.Y.
 Bot. Gard. 21: 129-137, pl.248-249. Jl.1920.
- Journ. Pharm. & Chim.
 Steenhauer, A. J.
 Contribution à la connaissance du genre *Polygonum*.
 Journ. Pharm. & Chim. VII. 22: 6-18,
- Journ. Roy. Agr. Soc. Engl.
 Biffen, R. H.
 Annual report for 1919 of the botanist [of the Royal ag-
 ricultural society] Journ. Roy. Agr. Soc. Engl. 80:
 407-411. 1919.
- Kentucky Agr. Exp. Sta. Bull.
 Valleau, W.D.
 Seed corn infection with *Fusarium moniliforme* and its re-
 lation to the root and stalk rots. Kentucky Agr. Exp. Sta.
 Bull. 226: 25-51. illus. My.1,1920
- Leaflet Dept. Agr. Mauritius
 Mauritius. Dept of agriculture
 List of Palmae.- I Existing in the Royal botanical gard-
 ens, Pampléousses. Leaflet Dept. Agr. Mauritius, no.13.
 1 p. [F.1920]
- Louisiana Agr. Exp. Sta. Bull.
 Edgerton, C.W. & C.C. Moreland
 Tomato wilt. Louisiana Agr. Exp. Sta. Bull. 174: 1954.
 illus. Ap.1920

Mitt. Naturf. Ges. Bern.

Büren, Günther von

Beitrag zur kenntnis des mycels der gattung Volkartia
R. Maire (v. Büren) Mitt. Naturf. Ges. Bern, 1916,
p.112-124. illus., col. pl. 1917.

Büren, Günther von

Untersuchungen über die entwicklungsgeschichte und bi-
ologie der protomycetaceen. Mitt. Naturf. Ges. Bern,
1916, p.xlvii-1. 1917.

Abstract

Fischer, Eduard

Neuere forschungen über hausschwamm. Mitt. Naturf.
Ges. Bern, 1916, p.vi. 1917.

Abstract

Goeldi, E. A., 1859-1917, & Eduard Fischer:

Der generationswechsel im tier- und pflanzenreich: mit
vorschlägen zu einer einheitlichen biologischen auffassung
und benennungsweise. Mitt. Naturf. Ges. Bern, 1916, p.60-
111. 3 fold.tab. 1917.

Lüdi, Werner

Über die zugehörigkeit der Aecidium petasitis Sydow.
Mitt. Naturf. Ges. Bern, 1916, p.xxv. 1917.

Abstract

Rytz, Walther

Ueber Synchytrium, eine gruppe einfachster, gallener-
zeugender pilze. Mitt. Naturf. Ges. Bern, 1916, p.xxvii-
xxx. 1917.

Abstract

Stäger, Robert

Beobachtungen an blüte und blütenstand von Heracleum
Sphondylium L. Mitt. Naturf. Ges. Bern, 1916, p.196-
204. illus. 1917.

Stäger, Robert

Kleine beiträge zur floristik. Mitt. Naturf. Ges. Bern,
1916, p.50-59. illus. 1917.

Nature

Joss, J.C.

Researches on growth of plants. Nature, 105: 615-617,
I. The high magnification crescograph.-

Nederl. Kruidk. Arch.

Cool, Catharina

Trametes pini (Brot.) Fr. nieuw voer Nederland.
Nederl. Kruidk. Arch. 1919, p.126-128. illus. My, 31, 1920.

Havinga, Berend

Studien over flora en fauna van het Zuidlaarder meer.
Nederl. Kruidk. Arch. 1919, p.129-316. fold. map.
My, 31, 1920.

Moll, J.W.

In memoriam Dr. S. H. Koorders. Nederl. Kruidk. Arch.
1919. p.73-76. My, 31, 1920

Nuovo Giorn. Bot. Ital.

Chiovenda, Emilio

Nuova località italiana per il Myricostoma coliforme
(Dicks.) Corda. Nuov. Giorn. Bot. Ital. n. s., 27: 7-10.
Ja. 1920.

Passerini, Napoleone

Sul potere insetticida delle diverse parti della pianta
e dei capolini a differente grado di sviluppo del Pyrethrum
cinerariaefolium Trev. Nuov. Giorn. Bot. Ital. n. s.,
27: 1-6. Ja. 1920.

Parfum. Mod.

Costantin, J. N.

Les orchidées odorantes. Parfum. Mod. 13: 122-123.
J4, 1920

Parfum. Mod.

Gerardin, E. & J. Gattefosse
Le ladanum (ou labdanum) Parfum. Mod. 13: 111-
116. illus. Je.1920.

Jahandiez, Emile

Note sur deux germandrées aromatiques (Teucrium marum
L., et T. massiliense L.) Parfum. Mod. 13: 119-121.
illus. Je.1920.

Philipp. Journ. Sci.

Reinking, O.A.

Higher Basidiomycetes from the Philippines and their
hosts, II. Philipp. Journ. Sci. 16: 176-179. F.[Ag.]
1920.

Phytopath.

Collins, J.F.

Note on resistance of chestnut to the blight. Phyto-
path. 10: 368-371. illus. Jl.1920

Edgerton, C.W.

Albert Thomas Bell. Phytopath. 10: 373-374. port.
Jl.1920

MacMillan, Howard G. & L. P. Byars

Heat injury to beans in New Mexico. Phytopath. 10:
365-367. illus. Jl.1920

Roberts, J.W.

The apple blotch and bitter-rot cankers. Phytopath.
10: 353-357. Jl.1920.

Schmitz, Henry

Shoe-string root rot of Rhododendron and Azalea caused
by Armillaria mellea Vahl. Phytopath. 10: 375. illus.
Jl.1920.

Snell, W.H.

Observations on the distance of spread of aeciospores
and urediniospores of Cronartium ribicola. Phytopath.
10: 358-364. Jl.1920.

Weir, J.R.

Note on the pathological effects of blazing trees.
Phytopath. 10: 371-373. Jl.1920

Potato Mag.

Ball, E.D. & F.A. Fenton

Potato leaf hopper and the leafburn. Potato Mag. 2
(12): 6-7. illus. Je.1920.

Bisby, G.R.

Give seed potatoes every chance. Treatment of seed
worth while - What it accomplishes and how it is done.
Potato Mag. 2(10): 7, 28. illus. Ap.1920.

Jarvis, O.W.

California growers launch attack against eelworm.
Potato Mag. 3(1): 13, 23. Jl.1920.
From Sacramento Bee

McKinney, H.H.

Scientific name of potato scab. Potato Mag. 2
(12): 13. Je.1920.

Shapovalov, Michael

The potato-scab control problem as it stands today.
Potato Mag. 2(11): 8-9, 26. illus. My.1920.

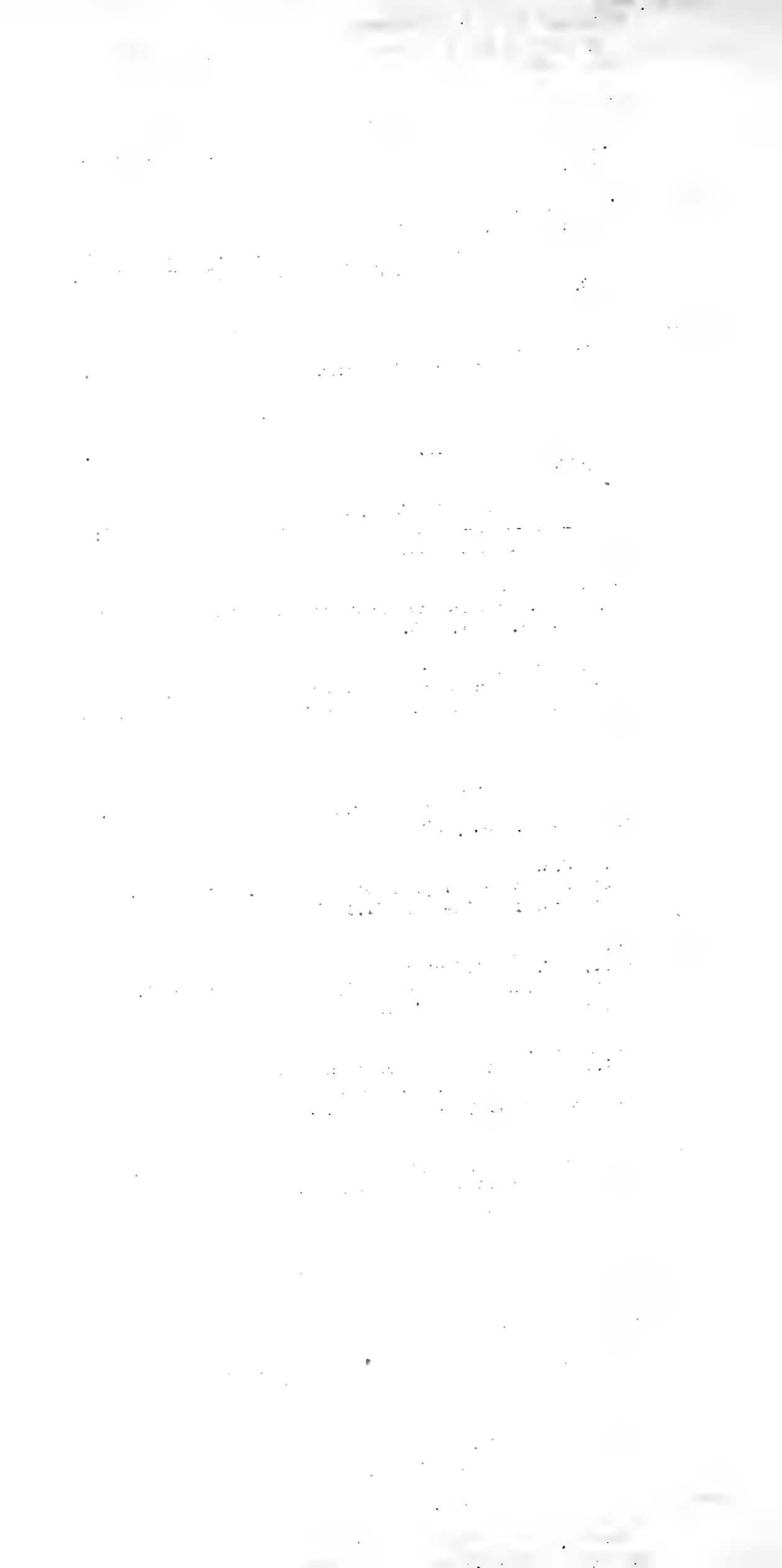
Werner, H.O.

Growing certified seed in Nebraska. Potato Mag. 3
(1): 14, 36. Jl.1920.
From Nebraska farmer

Proc. Acad. Nat. Sci. Phila.

Wherry, E. T.

Correlation between vegetation and soil acidity
in southern New Jersey. Proc. Acad. Nat. Sci. Phila.
72: 113-119. Ja./Ap.1920



Proc. Acad. Nat. Sci. Phila.

Wherry, E.T.

Observations on the soil acidity of Ericaceae and associated plants in the middle Atlantic states. Proc. Acad. Nat. Sci. Phila. 72: 84-111. Ja./Ap.1920.

Proc. Agr. Soc. Trinidad & Tobago

Nowell, William

Mycologist's report on a visit to Trinidad. December, 1918 - February, 1919. Proc. Agr. Soc. Trinidad & Tobago, 19: 141-159. 1919

Prog. Rei Bot.

Antevs, Ernst

Die Jahresringe der Holzgewächse und die Bedeutung derselben als klimatischer Indikator. Eine Literaturzusammenstellung. Prog. Rei Bot. 5: 285-386. 1917

Meyer, F.J.

Bau und Ontogenie der Wasserleitungsbahnen und der an diese angeschlossenen Siebteile in den vegetativen Achsen der Pteridophyten, Gymnospermen und Angiospermen. Prog. Rei Bot. 5: 521-588. 1917.

Schiffner, Victor

Die systematisch-phylogenetische Forschung in der Hepaticologie seit dem Erscheinen der Synopsis Hepaticarum und über die Abstammung der Bryophyten und Pteridophyten. Prog. Rei Bot. 5: 387-520. 1917.

Quart. Bull. Va. State Crop Pest Comm.

Schoene, W.J.

Twelfth report of the State entomologist and plant pathologist. Quart. Bull. Va. State Crop Pest Comm. v.1, no.4. 28 p. Ja.1920.

Queensl. Agr. Journ.

White, C.T.

Illustrated notes on the weeds of Queensland. No.17. Needle burr (*Amarantus spinosus* Linn.) Queensl. Agr. Journ. 14: 30-31. illus. Jl.1920.

Riv. Biol.]

Traverso, G.B.

Pier Andrea Saccardo. Riv. Biol. 2: 145-148. port. Ja./F.1920

Science

Oberholser, H.C.

The nomenclature of families and subfamilies in zoology. Science, n.s., 52: 142-146. Ag.13,1920.

So. African Gard.

The National botanic gardens. So. African Gard. 10: 291. Jl.1920

Soil Sci.

Livingston, D.E. & Riichiro Koketsu

The water-supplying power of the soil as related to the wilting of plants. Soil Sci. 9: 469-485. Je.1920.

Martin, W.H.

The relation of sulfur to soil acidity and to the control of potato scab. Soil Sci. 9: 393-408. Je.1920.

Teysmannia

Hall, C.J.J. van

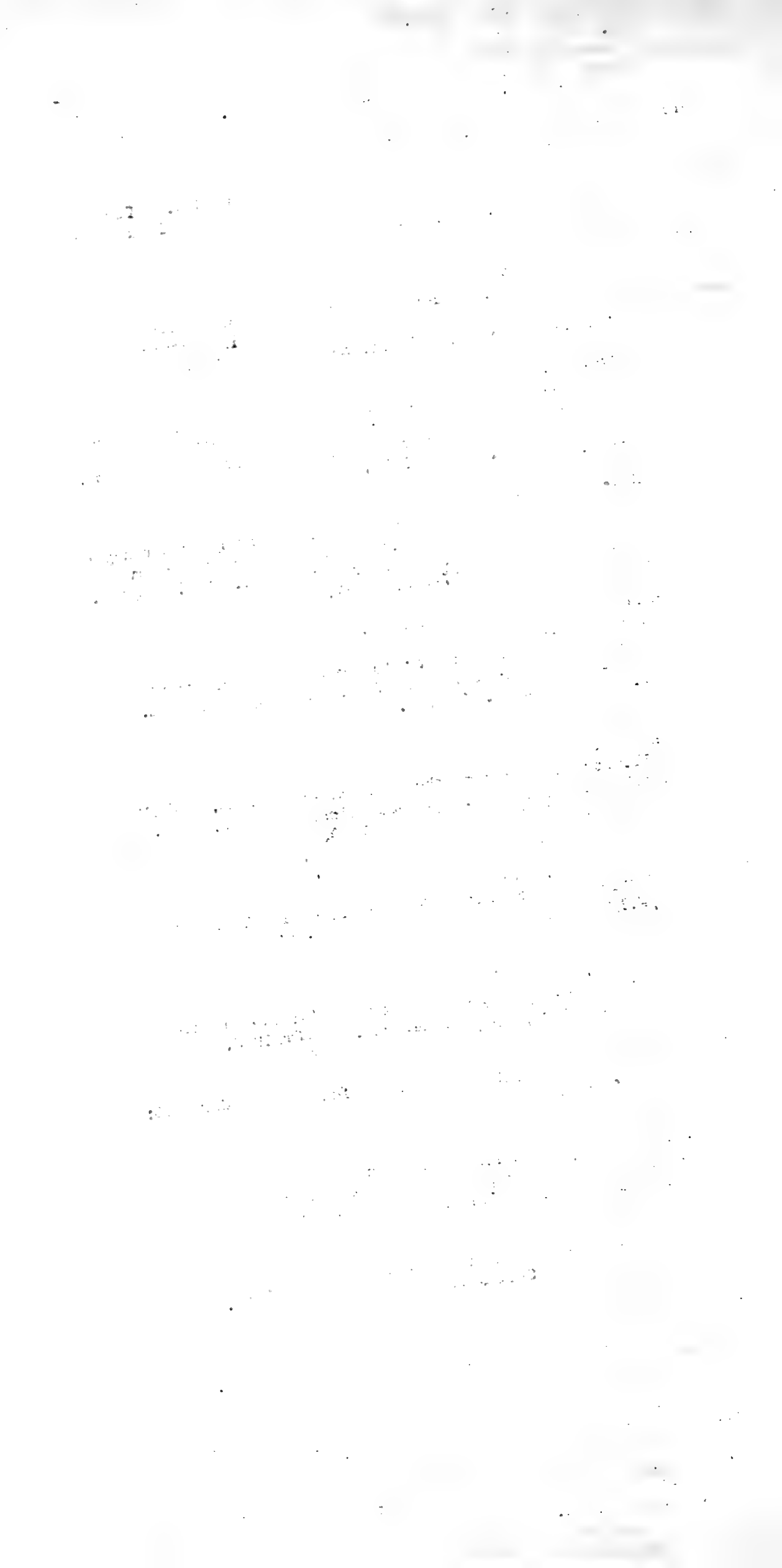
Cacaokanker. Teysmannia, 31: 106-113. 1920.

Hall, C.J.J. van

Carbolineum ter bestrijding van ziekten en plagen in onze gewassen. Teysmannia, 31: 119-126. 1920.

Wigman, H.J.

Schaduw-, sier- en laanboomen. (cont.) Teysmannia, 31: 127-134. 1920.



U.S. Dept. Agr. Bull.

Coe, H. S. & J. N. Martin

Sweet-clover seed. U.S. Dept. Agr. Bull. 844: 1-39, illus., pl. i-v. Ag. 11, 1920.

Scoffield, C. S.

Effect of alfalfa on the subsequent yield of irrigated field crops. U.S. Dept. Agr. Bull. 881: 1-13. Ag. 10, 1920.

Warburton, C. W. & T. R. Stanton

Experiments with Knersch and sixty-day oats. U.S. Dept. Agr. Bull. 823: 1-72, illus. My. 24, 1920.

Verh. Naturf. Ges. Basel

Henrici, Marguerite

Chlorophyllgehalt und Kohlensäureassimilation bei alpen- und ebenenpflanzen. Verh. Naturf. Ges. Basel, 30: 43-136, illus., vi fold. tables, 1919

Zeitschr. Allg. Physiol.

Stark, Peter

Das Weber'sche gesetz in der pflanzenphysiologie. Zeitschr. Allg. Physiol. 18: 371-448, 1920.

Zeitschr. Bot.

Neeff, Fritz

Über die umlagerung der kambiumzellen beim dickenwachstum der dikotylen. Zeitschr. Bot. 12: 225-252, illus. 1920

Zeitschr. Gart. u. Obstb.

Hayek, August

Einige von J. Dörfler aus den nordalbanischen hochgebirgen eingeführte pflanzen. Zeitschr. Gart. u. Obstb. I. Folge, 1: 43-45,

Koeck, Gustav.

Krankheiten und schädlinge der wurzeln und knollen unserer gebräuchlichsten ziergewächse. (conclusion) Zeitschr. Gart. u. Obstb. IV Folge, 1: 39-40. J1.15, 1920.

Oheimb.

Etwas über ericaceen. Zeitschr. Gart. - u. Obstb. I. Folge, 1: 40-42. J1.15, 1920

New Books

Böttner, Johannes

Spalier und edelobst. 3. aufl. Frankfurt a. d. Oder, 1919

California, Laws & c.

Horticultural statutes of the state of California corrected to November 1, 1919. Sacramento, 1919

Chancérel, Lucien

Action des engrais sur les végétaux ligneux. Paris, 1909.

These Fac. Sci. - Paris

Christ, J. L.

Christ-Lucas gartenbuch ... 21 sorgfältigst bearb. aufl. Stuttgart, 1920

France. Département du Gard. Comité interministeriel des plantes médicinales et à essences. Les plantes médicinales dans le département.

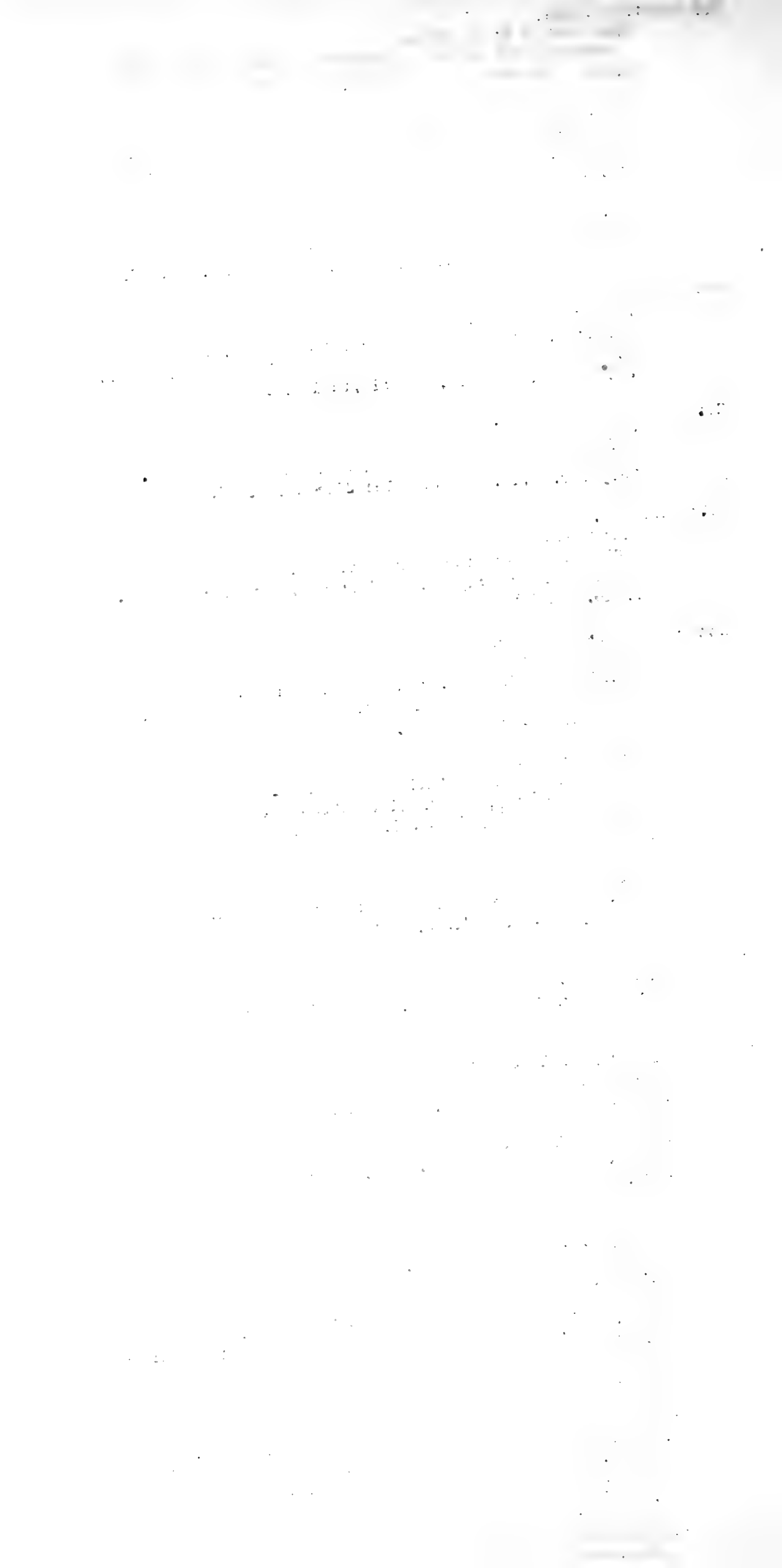
du Gard. Nîmes, 1920

Sorauer, Paul

Manual of plant diseases. 3d ed. in collaboration with Prof. Dr. G. Lindau and Dr. L. Reh. Tr. by Frances Dorrance, v. I. Non-parasitic diseases. pt. 9. [Wilkes-Barre, Pa., 1920]

Gerard, John

Catalogus arborum fruticum ac plantarum tam indigenarum quam exoticarum, in horto Johannis Gerardi, Londini, ex officina Arnoldi Hatfield, impensis Joannis Norton. 1599



New books

Hayata, Bunzo

General index to the flora of Formosa, (Sulipto Icones plantarum formosanarum VI) Feb. 25, 1917.

Janssonius, H.H.

De tangentielle groei van eenige pharmaceutische basten. Groningen, 1918

Matsumura, Jinzo

Icones plantarum koiskavenses; or, Figures ... of new and rare plants. Tokio, 1916-20. v.3, no.4-6; v.4, no.1-4.

Orto, Garcia de

Coloquios dos simples de drogas da India. Edicao publicada ... pelo Conde de Ficalho. Lisboa, 1891-95.
2 v.

Palisot de Beauvois, A.M.F.J.

Flore d'Oware et de Benin, en Afrique. Paris, 1804-07.
3 v. f°.

Slogteren, Egbertus van

De gasbeweging door het blad in verband met stomata en intracellulaire reinigen. Groningen, 1917.

U.S. Senate.

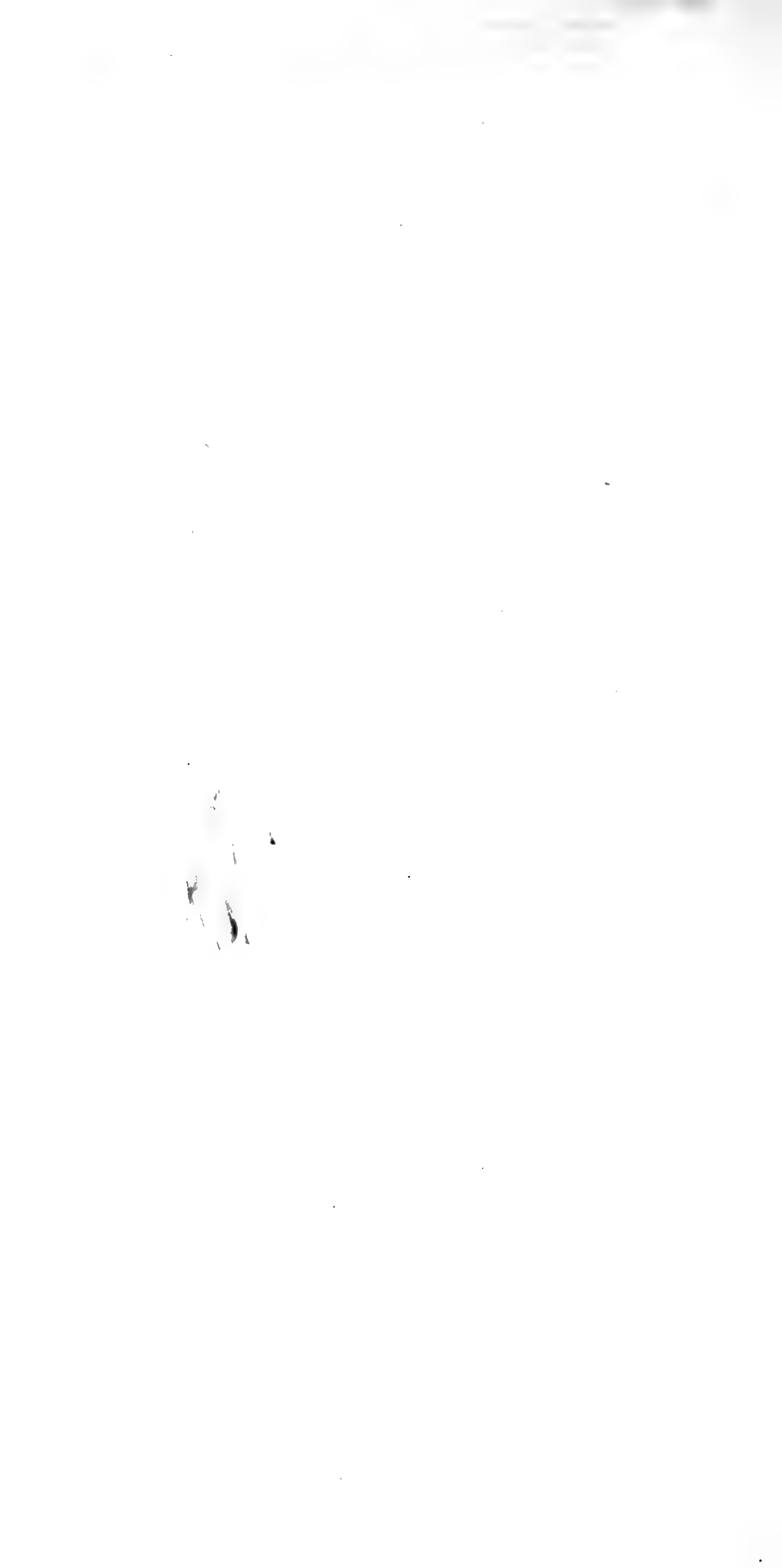
Hearing before a joint committee on the Library ... on S. 497, a bill to increase the area of the U.S. Botanical Garden ... and S. Res. 165, directing the committee on the District of Columbia to report plans for the creation in or near the District of Columbia of a botanical garden comparable with the best existing gardens. Washington, 1920.
2 pts. 8°.

Warburg, Otto

Die pflanzenwelt. 2. bd. Dicotyledonen. Leipzig & Wien, 1916.

Zollinger, E.H.

Über die isolierung und die konstitution einiger anthocyane von fruchten und beeren. Berlin, 1915.



6949
Amer. Journ. Sci.

Holm, Theodor

Studies in the Cyperaceae XXX Amer. Journ. Sci.-
IV, 50: 159-168 illus. Ag. 1920
Carices acrostachyae: Cryptocarpae nob.
Carex cryptochlaena n. sp. no. 296

Amer. Nat.

Harvey, E. N.

An experiment on regulation in plants Amer. Nat.
54: 362-367 Jy./Ag. 1920 no. 633.

Ann. Bot.

Blackman, V. H.

Radio-activity and normal physiological function.
Ann. Bot. 34: 299-302. Jy. 1920 no. 135.

Dastur, J. F.

Choanephora cucurbitarum (B. and Rav.) Thaxter, on
chillies (Capsicum spp.) Ann. Bot. 34: 399-403
pl. xix. Jy. 1920
References in footnotes. no. 135.

Dastur, J. F.

The mode of infection by smut in sugar-cane.
Ann. Bot. 34: 391-397 illus. Jy. 1920 no. 135.

Holden, H. S.

Observations on the anatomy of teratological seed-
lings III. On the anatomy of some atypical seedlings
of Impatiens roylei, Walp. Ann. Bot. 34: 321-
344 illus. Jy. 1920 no. 135.

Bibliography: p. 344

Lewis, F. J. & G. M. Tuttle.

Osmotic properties of some plant cells at low temp-
eratures. Ann. Bot. 34: 405-416. illus. Jy.
1920 no. 136.

McLean, F. T.

Field studies of the carbon dioxide absorption of
coco-nut leaves. Ann. Bot. 34: 367-389 pl.
xviii Jy. 1920 no. 135.

Ann. Phytopath. Soc. Japan

Hemmi, Takewo

Kurze mitteilung über drei fälle von anthraknose
auf pflanzen. Ann. Phytopath. Soc. Japan v. 1,
no. 3, p. 13-21 pl. i 1920 n.

Suematsu, Naoji & Kukuji Kuwatsuka

Studies on the varietal resistance of the peach to
artificial inoculations with Gloeosporium laeticolor
Berk. Ann. Phytopath. Soc. Japan v. 1, no. 3,
p. 1-12 illus. 1920

Tochinai, Yoshihiko

Studies on the food-relations of Fusarium lini
Ann. Phytopath. Soc. Japan v. 1, no. 3, p. 22-33,
1920

Ann. Roy. Bot. Gard. Peradeniya

Petch, Thomas

Hypocreaceae zeylanicae. Ann. Roy. Bot. Gard.
Peradeniya 7: 85-138 My. 1920 no. 2

Petch, Thomas

Saccolabium longifolium and Saccolabium wightian-
um. Ann. Roy. Bot. Gard. Peradeniya 7: 79-83.
My. 1920. no. 2

Petch, Thomas

Recent revisions of Ceylon botany Ann. Roy.
Bot. Gard. Peradeniya 7: 139-166 My. 1920 no. 2

Ann. Sci. Nat. Bot.

Chemin, E.

Observations anatomiques et biologiques sur le
genre "Lathraea" Ann. Sci. Nat. X, Bot. 2:
125-271. illus. Je.1920 no. 1/5.

Lenoir, Maurice

Évolution du tissu vasculaire chez quelques
plantules de dicotylédons. Ann. Sci. Nat. Bot.
2: 1-123. illus. Je.1920 no. 1/5.

Beih. Bot. Centralbl.

Schlechter, Rudolf

Versuch einer systematischen neuordnung der
spiranthinae. Beih. Bot. Centralbl. 37(2. abt.):
319-454 Mr.1920 no.3

Ber. Deut. Bot. Ges.

Buder, Johannes

Neue phototropische fundamentalversuche. Ber.
Deut. Bot. Ges. 38: 10-19 Ap.1920 no.1

Höhnel, Franz

Ueber Botryosphaeria, Epiphyma und Pilgeriella
Ber. Deut. Bot. Ges. 38: 111-116 Je.1920 no.3

Höhnel, Franz

Ueber die gattung Phlyctaena Desmazières. Ber.
Deut. Bot. Ges. 38: 102-110 Je.1920 no.3

Höhnel, Franz

Ueber Pseudopeziza, Pyrenopeziza, Ephelina und
Spilopodia. Ber. Deut. Bot. Ges. 38: 96-101
Je.1920 no.3

Meyer, Arthur

Die plasmabewegung verursacht durch eine geord-
nete wärmebewegung von molekülen Ber. Deut.
Bot. Ges. 38: 36-43 Ap.1920 no.1

Neger, F. W. & Th. Kupka

Beiträge zur kenntnis des baues und der wirk-
ungsweise der lentizellen I Ber. Deut. Bot.
Ges. 38: 141-149 no.3

Nestler, Anton

Zur kenntnis des rhinanthocyans Ber. Deut.
Bot. Ges. 38: 117-121. Je.1920 no.3

Oehlkers, Friedrich

Zur reizphysiologischen analyse der postfloralen
krümmungen des blütenstiels von Tropaeolum majus.
Ber. Deut. Bot. Ges. 38: 79-83 Ap.1920 no.2

Pfeiffer, Hans

Zur systematik der gattung Chrysithrix L. und an-
derer chrysithrichinae. Ber. Deut. Bot. Ges.
38: 6-10 Ap.1920 no.1

Stern, Kurt

Untersuchungen über fluorescenz und zustand des
chlorophylls in lebenden zellen Ber. Deut. Bot.
Ges. 38: 28-35 Ap.1920 no.1

Biederm. Zentralbl. Agrikulturchem.

Pfeiffer, Theodor, W. Zimmermacher & A. Rippel

Beitrag zur frage über die wirkung des chroms bzw.
mangans auf das pflanzenwachstum. Biedermann's
Zentralbl. Agrikulturchemie. 49: 259-263 Jy.1920
no.7

Pfeiffer, Theodor & A. Rippel.

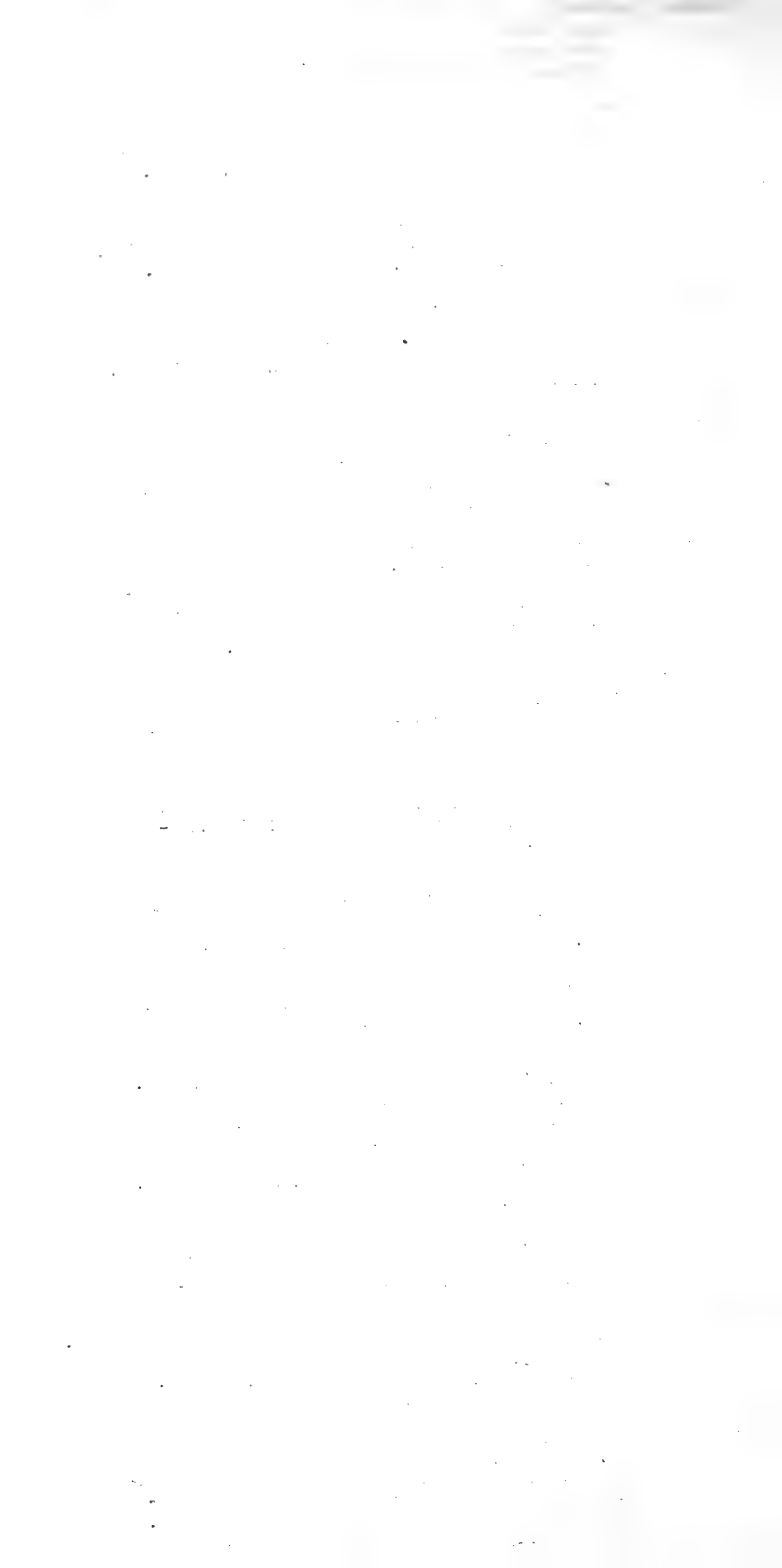
Ueber den verlauf der nährstoffaufnahme und stoff-
ferzeugung bei der gerstenpflanze Biedermann's
Zentralbl. Agrikulturchemie. 49: 245-251. Jy.1920
no.7

Reinau, E.

Kohlensäure und pflanzen. Biedermann Zentralbl.
Agrikulturchemie 49: 252-259 Jy.1920 no.7



- Biochem. Zeitschr.
 Bau, Arminius
 Zur frage der konstitution des amygdalins.
 Biochem. Zeitschr. 80: 159-162. Mr.17,1917. no.3/4.
- Dernby, K. G.
 Die proteolytische enzyme der Pinguicula vulgari-
 ris. Biochem. Zeitschr. 80: 152-158. 1917.
 no. 1/2.
- Stutzer, Albert, 1849-
 Ein beitrag zur biochemie der pflanzen. Biochem.
 Zeitschr. 80: 143-151. Mr.1,1917 no. 1/2.
- Biol. Medd. K. Danske Vidensk.
 Vahl, Martin
 The growth forms of some plant formations of
 southern Denmark. Biol. Medd. K. Danske Vidensk.
 I, 13. 45 p. map 1919
- Biol. Zentralbl.
 Gerhardt, Karl
 Zur theorie der schutzmittel gegen tierfrass bei
 pflanzen. Biol. Zentralbl. 40: 241-248 Je.
 1920. no.6.
- Bull. Dept. Agr. Mysore Gen. Ser.
 Coleman, Leslie C. & M. V. Venkata Rao
 Cultivation of the Areca palm in Mysore Bull.
 Dept. Agr. Mysore Gen. Ser. 10 32 p. front., vi
 pl. (incl. map) 1918
 Diseases and pests [fungus]: p. 16-20.
- Bull. Misc. Inform. Kew
 Gamble, J. S.
 Flowering of Phyllostachys aurea Bull. Misc.
 Inform. Kew 1920 p.217-218 illus. no.6
- Holland, J. H.
 The West African oil palm (*Elaeis guineensis*,
 Jacq.) Bull. Misc. Inform. Kew 1920 p.199-
 205 no.6
- Kew. Royal botanic gardens
 Decades kewenses, plantarum bovarum in herbario
 hortiregii conservatarum Decas XCVIII Bull.
 Misc. Inform. Kew 1920 p.205-212. illus.
- Rolfe, R. A.
 Macrozania macrocarpa Bull. Misc. Inform.
 Kew 1920 p. 197-199 no.6
- Skottsberg, Carl
 The old Linnean garden at Upsala. Bull. Misc.
 Inform. Kew 1920 p. 221
 Restoration of the garden of Linnaeus.
- Turrill, W. B.
 Amphichromy in heather Bull. Misc. Inform.
 Kew 1920 p. 221-223 no.6
- Turrill, W. B.
 Contributions to the flora of Macedonia III
 Bull. Misc. Inform. Kew 1920 p. 177-196 no.6.
- Bull. Mycol. Ser. Dept. Agr. Mysore
 Conference on the spike disease of sandal, Banga-
 lore, 1917
 Proceedings .. with appendix (Bull. Mycol.
 Ser. Dept. Agr. Mysore. no.4)
- Centralbl. Bakt. Abt. II
 Fulmek, Leopold & Stift, Anton
 Ueber im jahre erschienene bemerkenswerte mittei-
 lungen auf dem gebiete der tierischen und pflanz-
 lichen feinde der kartoffelpflanze. Centralbl.
 Bakt. abt.2, 51: 315-336 Jy.1920 no. 12/15.



Chacaras e Quintaes

Peckolt, Gustavo

Plantas venenosas para os ratos. Chacaras e Quintaes 22: 31-34. illus. Jy.1920 no.1
Scilla maritima, Psychotria marcgravii

Compt. Rend. Acad. Sci. Paris

Arnaud, Gabriel

Une maladie bacterienne du lierre (*Hedera helix* L.) Compt. Rend. Acad. Sci. Paris 171: 121-122. 1920 no.2

Bacterium hederæ n. sp.

Guerithault, B.

Sur la présence du cuivre dans les plantes et particulièrement dans les matières alimentaires d'origine végétale. Compt. Rend. Acad. Sci. Paris 171: 196-198 1920 no.3

Compt. Rend. Soc. Biol. Paris

Bose, Jagadis Chunder

Unity of physiological reaction in plant and animal Compt. Rend. Soc. Biol. Paris 83: 1035-36 1920 no.24

Dubois, Raphael

A propos d'un travail récent de M. Guilliermond Compt. Rend. Soc. Biol. Paris 83: 1051-52. 1920. no.24.

Guilliermond, Alexandre

Nouvelles remarques sur la coexistence de deux variétés de mitochondries dans les végétaux chlorophylliens. Compt. Rend. Soc. Biol. Paris 83: 1046-49 illus. 1920 no.24

Defensa Agr. Uruguay

Giaccone, V.

Los principales enemigos del viñedo; medios para prevenirlos o combatirlos. Defensa Agr. Uruguay, 1: 67-70. Mr.1920 no.3

Fantini, Nicolas

La antracnosis y medios de curación. Defensa Agr. Uruguay, 1: 179-180. Jl.1920. no.7

Aphocelema ampelinum.

Peluffo, A. T.

El Oidium y modo de combatirlo. Defensa Agr. Uruguay, 1: 120-121, 141. My.-Je.1920 no.5 - 6.

Sosa, H. A.

Como evitar las enfermedades en las plantas. Defensa Agr. Uruguay, 1: 141-144. Je.1920 no.6

Sundberg, Roberto

Causas y sintomas de enfermedades en las plantas. Defensa Agr. Uruguay, 1: 131-133, 160-163. Je.-Jl. 1920. no.6-7.

Deut. Landw. Presse

Aumüller, Fritz

Steinbrand und streifenkrankheit als sorten und linienkrankheit. Deutsch. Landw. Presse 47: 383-384 Jy.7,1920 no.54.

Estac. Exp. Insular Porto Rico Circ.

Matz, Julius

La gommosis de la caña de azúcar Estac. Exp. Insular Porto Rico Circ. 20 7 p. col.pl. 1920. no.

Fühl. Landw. Zeit.

Schlumberger, Otto

Pflanzenschutz und sortenfrage im kartoffelbau Fühl. Landw. Zeit. 69: 144-149 Ap.1/15,1920. no. 7/8.



Gard. Chron.

Bean, W. J.
A new hybrid crab: *Pyrus eleyi* Gard. Chron.
III, 68: 85 illus. Ag. 14, 1920 no. 1755.

Farrer, Reginald
Mr. Reginald Farrer's second exploration in
Asia no. 20. Gidz^o Law. Gard. Chron. III,
68: 58. illus. Jy. 31, 1920 no. 1753.

Hosking, A.
Hybrid calceolarias (cont.) Gard. Chron.
III, 68: 61. illus. Jl. 31, 1920 no. 1753.

Ragionieri, Ambilio
Brassica crosses Gard. Chron. III, 68: 60 Jy.
31, 1920. no. 1753

Ital. Agr.

Lopriore, Guisepe
Degenerazione della patata. Ital. Agr. 57:
205-207 Jy. 1920 no. 7

Journ. Agr. Prat.

Noffray, E.
Le blanc des trèfles. Journ. Agr. Prat. 84
(2): 74-75. Jy. 22, 1920 no. 30.
Erysiphe communis

Journ. Arnold Ark.

Wilson, E. H.
A phytogeographical sketch of the ligneous flora
of Formosa Journ. Arnold Ark. 2: 25-41. Jy.
1920. no. 1.

Journ. Bd. Agr. Brit. Guiana

Waby, J. F.
Notes on a collection of preserved dry fruits and
seeds (cont.) Journ. Bd. Agr. Brit. Guiana 13:
174-182 Jy. 1920. no. 3.

Waby, J. F.
Some interesting species of palms (cont.) Journ.
Bd. Agr. Brit. Guiana 13: 152-152. Jy. 1920 no. 3.
Chrysalidocarpus glaucescens, Waby sp. nov. hort.

Journ. Bombay Nat. Hist. Soc.

Ajrekar, S. L.
On the identity of *Blastospora butleri* Syd. Journ.
Bombay Nat. Hist. Soc. 26: 696-697 pl. My. 1919.
no. 2.

Fungus a *Uromyces* and not a *Blastospora*, species
not yet determined.

Allen, G. O.
A few additions to the list of Mussoorie plants by
James Martin in vol. XIX, p. 475. Journ. Bombay
Nat. Hist. Soc. 26: 695-696 My. 1919. no. 2.

Sedgwick, L. J.
Reduction of *Euphorbia rothiana*, Sprengel, of the
Indian floras. Journ. Bombay Nat. Hist. Soc. 26:
599-600. My. 1919. no. 2
E. laeta Heyne & *E. oreophila* Miq.

Journ. Bot.

Boulenger, G. A.
On *Rosa britannica* Deséglise Journ. Bot. 58:
185-187 Ag. 1920 no. 692

Britten, James
Lehmann's Pugilli Journ. Bot. 58: 198-200
Ag. 1920 (Bibliographical notes LXXIX) no. 692.

Merrill, E. D.
Dates of publication Journ. Bot. 58: 200
Ag. 1920 (Bibliographical notes LXXX) no. 692.
Dates of F. Manson Bailey's Comprehensive catalogue
of Queensland plants in question, probably March 1913.

Journ. Bot.

- Moore, S. L.
 Acanthaceae papuanae His Alabastra diver-
 sa XXXIII, 2. Journ. Bot. 58: 190-195. Ag.
 1920. no.692.
- Moore, S. L.
 Plantarum Mascarenensium pugillus His Alabas-
 tra diversa XXXIII, 1. Journ. Bot. 58: 187-190.
 Ag.1920 no.692.
- Ridley, H.N.
 New Malayan plants (cont.) Journ. Bot. 58:
 195-196. Ag.1920 no.692.
 Entada schefferi n. sp.

Journ. Dept. Agr. Porto Rico

- Colón, E. D.
 The absorption spectrum of the chlorophyll in
 yellow-striped sugar-cane. Journ. Dept. Agr.
 Porto Rico v.3, no.4, p.43-46. no.
- Earle, F. S.
 The year's experience with sugar-cane mosaic or
 yellow-stripe disease Journ. Dept. Agr. Porto
 Rico v.3, no.4, p. 3-33 O.1919 [Rec'd S.1920]
- Figueroa, C. A.
 The mottling disease of cane and the sugar pro-
 duction of Porto Rico Journ. Dept. Agr. Porto
 Rico v.3, no.4, p. 35-41 O.1919 [Rec'd S.1920]
- López Domínguez, F. A.
 Has "yellow stripe" or "mottling" disease any ef-
 fect on the sugar content of cane juice? Journ.
 Dept. Agr. Porto Rico v.3, no.4, p. 47-64 vi fold.
 tab. O. 1919 [Rec'd S.1920]

Matz, Julius

Infection and nature of the yellow stripe disease
of cane (mosaic, mottling etc.) Journ. Dept. Agr.
Porto Rico v.3, no.4, p.85-82 illus. O.1919
[Rec'd S.1920]

Smyth, E. G.

Insects and mottling disease. Journ. Dept. Agr.
Porto Rico v.3, no.4, p.83-116 O.1919 [Rec'd S.1920]
A bibliography of insect-borne diseases of plants:
p.112-116.

Journ. Ecol.

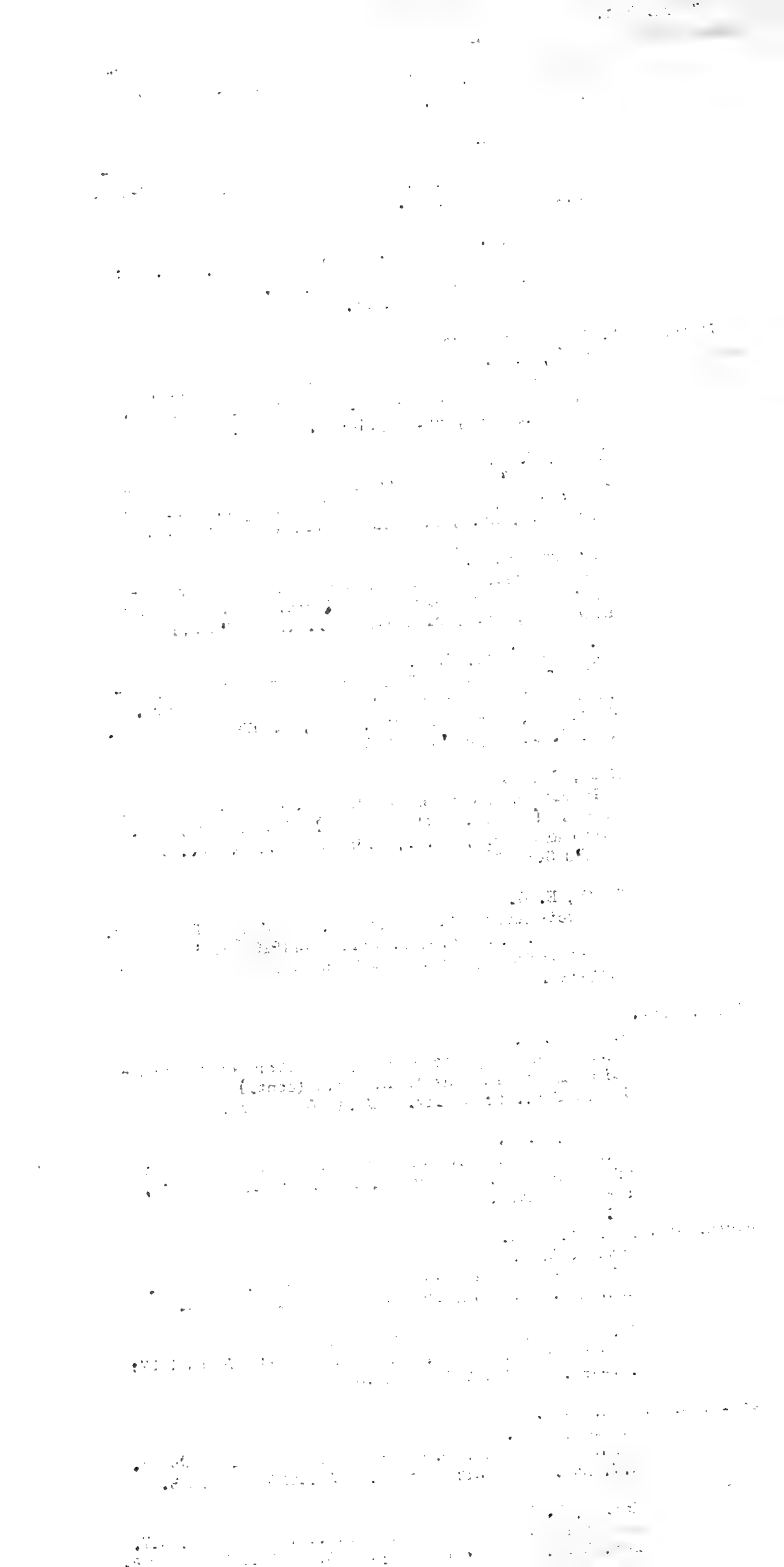
- Gibbs, L. S.
 Notes on the phytogeography and flora of the moun-
 tain summit plateaux of Tasmania (cont.)
 Journ. Ecol. 8: 89-117. Je.1920 no.2
- Tansley, A. G.
 The classification of vegetation and the concept
 of development. Journ. Ecol. 8: 118-149 Je.
 1920 no.2.

Journ. Min. Agr. Gt. Brit.

- Boodle, L. A.
 The scorching of foliage by sea-winds. Journ.
 Min. Agr. Gt. Brit. 27: 479-486 Ag.1920 no.5
- Gt. Brit. Ministry of agriculture
 Pests appearing during August Its Journal 27:
 487-489. Ag.1920 no.5

Journ. N. Y. Bot. Gard.

- Denslow, H. M.
 Further reflections of an orchid-hunter. Journ.
 N.Y. Bot. Gard. 21: 145-156. Ag.1920 no.248.
- Morris, R. T.
 Grafting with the aid of paraffins Journ. N.Y.
 Bot. Gard. 21: 157-159 pl.250. Ag.1920 no.248.



Journ. Pharm. & Chim.

Steenhauer, A. J.

Contribution "a la connaissance du genre *Polygonum* II. Etude phytochimique. Journ. Pharm. et Chim. VII, 22, 53-62. Jy. 16, 1920 no. 2.

Journ. Pomol.

The catalogue of fruit trees of Le Laitier. Journ. Pomol. 1, 244-252. Ag. 1920 no. 4

Only copy in Bibliothéque nationale. - This copy made personally by M. Georges Gibault.

Two new raspberries. Journ. Pomol. 1, 243
2 pl. Ag. 1920 no. 4
Pyne's Royal, Park Lane.

Journ. Wash. Acad. Sci.

Piper, C. V.

[Bastard toad-flax] Journ. Wash. Acad. Sci.
10, 420-421 Ag. 19, 1920 no. 14.

Waite, M. B.

[*Paulownia tomentosa*] Journ. Wash. Acad. Sci. 10, 420-421 Ag. 19, 1920 no. 14.

K. Landtbr. Akad. Handl. o. Tidskr.

Henning, Ernst

Avdelningen för landbruksbotanik [1919] In
Årsberättelse över verksamheten vid Centralanstal-
ten för försöksväsendet på jordbruksområdet under
år 1919. K. Landtbr. Akad. Handl. o. Tidskr. 59:
205-227 1920. no. 4.

Mitt. Naturf. Ges. Bern.

Becker, Wilhelm

Viola calcarata x *lutea* Becker et Lüdi hybr.
nov. Mitt. Naturf. Ges. Bern, 1917, p. 153-155.
1918.

Büren, Günther von

Beitrag zur biologie und entwicklungsgeschichte
von *Protomyces inundatus* Dang. Mitt. Naturf. Ges.
Bern, 1917, p. 109-131. illus., pl. 1918

Fischer, Eduard

Die beziehungen zwischen sexualität und repro-
duktion im pflanzenreich. Mitt. Naturf. Ges.
Bern 1918, p. xix-xxi. 1919

Fischer, Eduard

Von blasenrost (*Cronartium ribicolum*) befallene
zweige von *Pinus strobus*. Mitt. Naturf. Ges.
Bern 1918, p. xxii. 1919.

Fischer, Eduard

Neue infektionsversuche mit *Gymnosporangium*.
Mitt. Naturf. Ges. Bern, 1917, p. xxiv-xxv. 1918.

Gäumann, Ernst

Zur kenntnis der chenopodiaceen bewohnenden Per-
onospora-arten. Mitt. Naturf. Ges. Bern, 1918,
p. 45-66. illus. 1919

Friedrichs.

Können schädliche insekten durch parasitische
pilze bekämpft werden? Mitt. Naturf. Ges. Bern,
1918, p. xv-xvi. 1919.

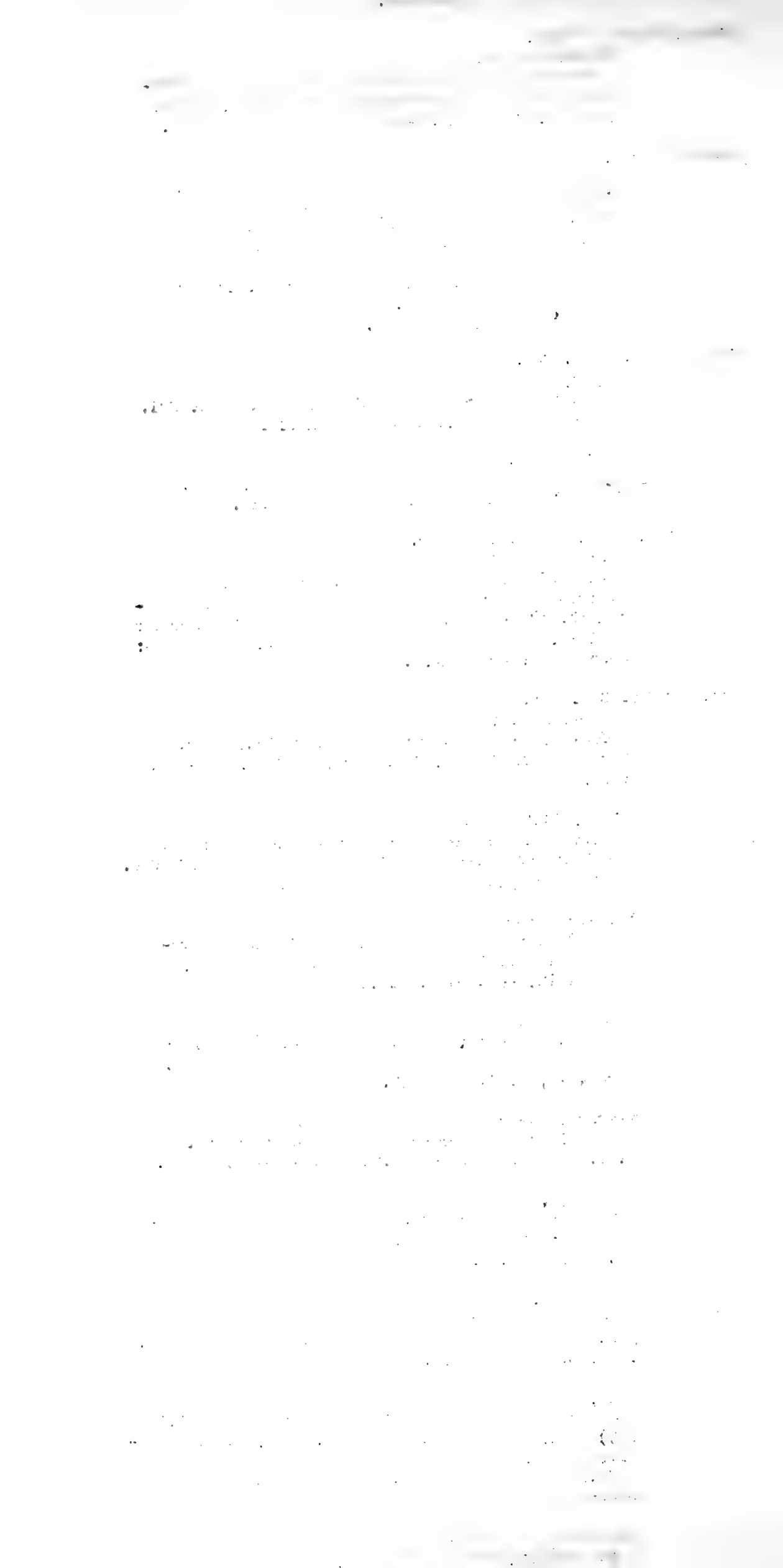
Lüdi, Werner

Untersuchungen mit dem *Aecidium aconiti napelli*
(DC) Wint. Mitt. Naturf. Ges. Bern, 1918, p. 200-
211. illus. 1919

Well defined teleospore form, for which author
proposes name *Puccinia aconiti rubrae*

Tschirch, Alexander

Die lokalisation der chemischen arbeit in der
pflanze. Mitt. Naturf. Ges. Bern, 1917, p. 138-
152. 1918



Month. Bull. Dept. Agr. Calif.

Meinecke, E. P.

White pine blister rust Month. Bull. Dept.
Agr. State Calif. 9: 270-275 Jy. 1920 no. 7
Paper before Western plant quarantine board,
May 1920

Strong, L. A.

Terminal inspection of plant products in the
mails. Month. Bull. Dept. Agr. Calif. 9: 231-
245. illus. Jy. 1920 no. 7

Mycologia

Bessey, E. A. & Bertha E. Thompson

An undescribed *Gea* from Michigan Mycologia
12: 282-285 pl. 20 S. 1920 no. 5.
G. cubispora.

Dickson, B. T.

Onygena equina (Willd.) Pers. Mycologia 12:
289-291 illus. S. 1920 no. 5.

Fitzpatrick, H. M.

Monograph of the *Coryneliaceae* (cont.) Mycol-
ogia 12: 239-267. S. 1920. no. 5

Fraser, W. P.

Cultures of *Puccinia clematides* (DC.) Lagerh. and
Puccinia impatientis (Schw.) Arth. Mycologia 12:
292-295 S. 1920 no. 5

Lehman, S. G.

Penicillium spiculisporum, a new ascogenous fungus
Mycologia 12: 268-274 pl. 19 S. 1920 no. 5

Murrill, W. A.

A new *Amanita* Mycologia 12: 291-292 S. 1920
no. 5
Venenarius wellsii sp. nov.

Zundel, G. L.

Some *Ustilagineae* of the state of Washington
Mycologia 12: 275-281 S. 1920 no. 5

Nature

Bose, J. C.

Researches on the growth of plants II Nature
105: 648-651 illus. Jy. 22, 1920 no. 2647
The general principle determining tropic movements.

Naturwissenschaften

Guttenberg, Hermann von

Der heutige stand der statolithentheorie des geo-
tropismus. Naturwissenschaften 8: 571-577
illus. Jy. 16, 1920 no. 29

Oesterr. Bot. Zeitschr.

Handel-Mazzetti, Heinrich, freiherr von

Vorläufige übersicht über die vegetationsstufen
und formationen von Yunnan und Südwest-Setschuan.
Oesterr. Bot. Zeitschr. 69: 77-81 1920 no. 1/3.
In Sitzung Akad. Wiss. Math.-Naturw. Kl. Ja. 22,
1920.

Janchen, Erwin

Die systematische gliederung der gattung *Fumana*
Oesterr. Bot. Zeitschr. 69: 1-30. Ja./Mr. 1920
no. 1/3.

Pharm. Journ.

Cofman-Nicoresti, Jules & Snow B. Tallantyre

An examination of Quillaja bark and commercial
saponins. Pharm. Journ. 105: 94-97 illus.
Jy. 24, 1920 no. 2962.

Phil. Trans. Roy. Soc.

Brierley, W. B.

On a form of *Botrytis cinerea*, with colourless
solerotia Phil. Trans. Roy. Soc. Ser. B, 210:
83-114 S. 1920



Phytopath.

Brown, N. A.

A Pestalozzia producing a tumor on the sapodilla tree
Phytopath. 10: 383-394 illus. Ag. 1920
no. 8

Pestalozzia scirrofaciens n. sp.

Fawcett, H. S.

Pythiacystis and Phytophthora
Phytopath. 10: 397-399 Ag. 1920 no. 8

Hedgecock, G. C. & N. R. Hunt

Notes on Peridermium harknessii
Phytopath. 10: 395-397 Ag. 1920

Norton, J. B. S. & C. C. Chen

Some methods for investigating internal seed infection
Phytopath. 10: 399-400 Ag. 1920
no. 8

Quart. Bull. Florida St. Pl. Bd.

Florida state plant board • Dept. of citrus canker
eradication

Report for quarter ending Je. 30, 1920
Quart. Bull. Florida St. Plant Bd. Fla. 4: 118-119, Jy.
1920. no. 4

Rev. Hort. Tunisie

Haddad, M. N.

État actuel de la culture des aurantiacées en
Syrie
Rev. Hort. Tunis, 18: 117-122 no. 145.

Science

Morgulis, Serguis & V. E. Levine

Decomposition of hydrogen peroxide by organic com-
pounds and its bearing on the catalase reaction
Science 52: 202-204 Ag. 27, 1920 no. 1339

Scott, G. E.

A preliminary note on the germination of Uro-
phyctis alfalfae
Science 52: 225-226 S. 3,
1920. no. 1340

Setchell, W. A.

The temperature interval in the geographical dis-
tribution of marine algae
Science 52: 187-190
Ag. 27, 1920 no. 1339

Stevens, N. E.

The obligation of the investigator to the library
Science 52: 223-226 S. 3, 1920 no. 1340.

Vie Agr. et Rur.

Perret, Claude

La dégénérescence des pommes de terre, diagnos-
tic des diverses formes.
Vie Agr. et Rur. 17:
105-110, illus. Ag. 14, 1920 no. 33

Zeitschr. Bot.

Fischer, Eduard

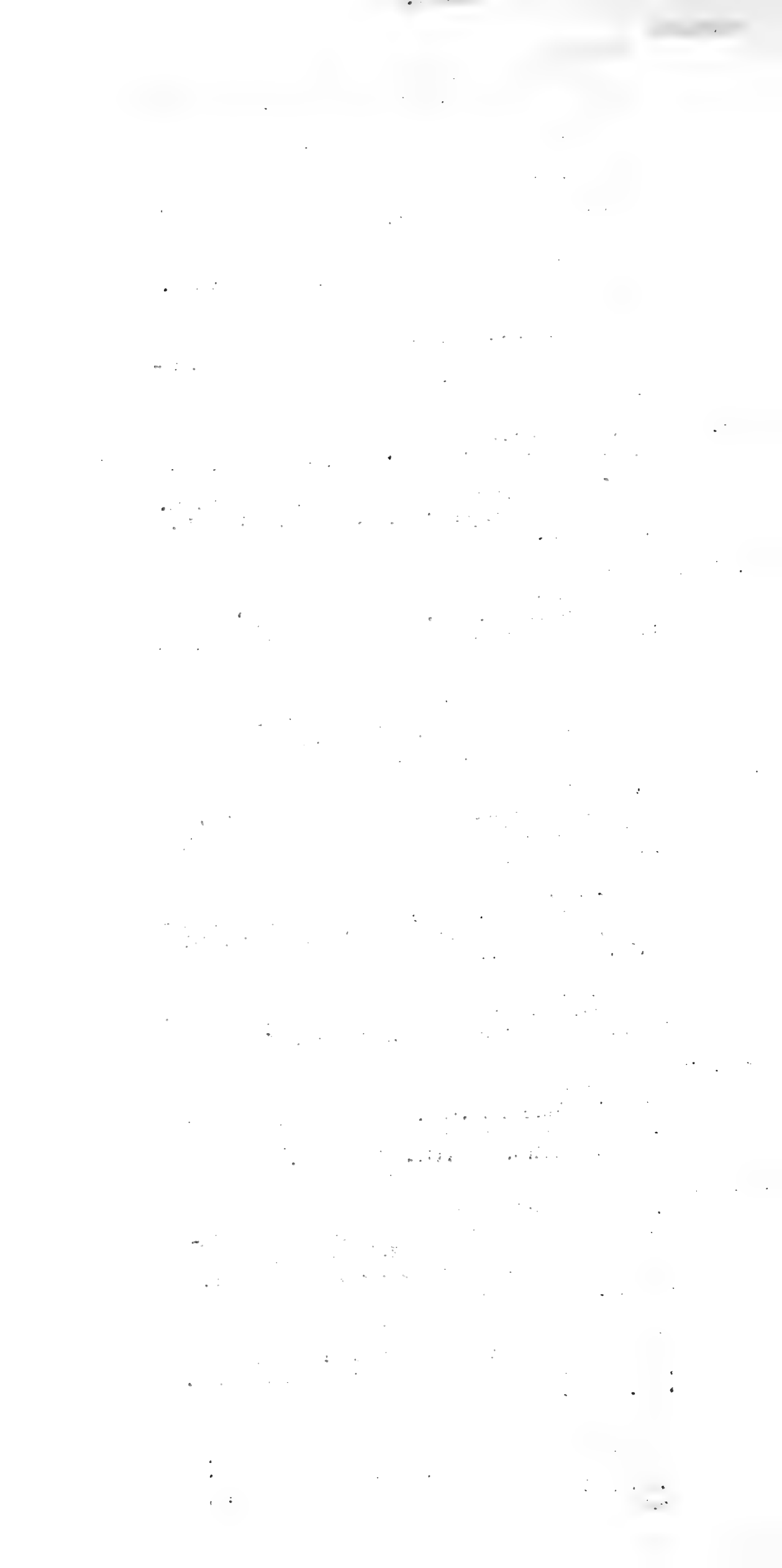
Die publikationen über die biologie der uredin-
een im jahre 1915-1916.
Zeitschr. Bot. 8: 360-
370, 1916; 9: 489-501. 1917. v. 8, no. 6, v. 9,
no. 7/8.

Killian, Karl

Über die sexualität von Venturia inaequalis
(Cooke) Ad.
Zeitschr. Bot. 9: 353-398. illus.
1917 no. 6

Kniep, Hans

Beiträge zur kenntnis der hymenomyceten. Iv-V.
Zeitschr. Bot. 8: 353-359. pl. iii. 1916; 9:
81-118. illus., pl. i-iii. 1917 v. 8, no. 6, v. 9,
no. 2



Zeitschr., Bot.

Nienburg, Wilhelm

Über die beziehungen zwischen den algen und hyphen im flechtenthallus. Zeitschr., Bot. 9: 529-545. illus., pl.v. 1917. no.9

Noack, Kurt

Untersuchungen über lichtkatalytische vorgänge von physiologischer bedeutung Zeitschr., Bot. 12: 273-347 1920. no.6

Nordhausen, Max

Blattepidermis und lichtperception. Zeitschr., Bot. 9: 501-506, 1917

Entgegnung zu G. Haberlandt, Blattepidermis und lichtperception

Schroeder, H.

Die anthocyanine nach den neuen chemischen untersuchungen. Zeitschr., Bot. 9: 546-558. 1917. no.9

Steinmann, A. B.

Studien über die azidität des zellsaftes beim rhabarber. Zeitschr., Bot. 9: 1-59. illus. 1917. no.1

Tischler, Georg

Neuere arbeiten über den generationswechsel im pflanzenreich. Zeitschr., Bot. 9: 577-586. 1917. no. 10/12.

Sammelreferat

Tischler, Georg

Pollenbiologische studien. Zeitschr., Bot. 9: 417-488. pl.iv. 1917. no.7/8.

New Books

Calvino, Mario

Tratado sobre la multiplicación de las plantas. Parte general. Habana, 1920

Gager, C. S.

Heredity and evolution in plants. 1920.

Grieve, Mrs. M.

[Pamphlets on medicinal plants, alphabetically arranged]

Hart, W. E.

Le jardin botanique des Pamplémousses. Notice historique. Port Louis, 1916.

Hayata, Bunzo

Icones plantarum formosanarum ... v.3 Mr.1920

Jauch, Berthe

Quelques points de l'anatomie et de la biologie die polygalacées. Genève, Imprimerie Jent, 1918

Minod, Marcel

Contribution à l'étude du genre Stenodia et du groupe des stenodiées en Amérique. Genève, Imprimerie Jent, 1918

Nederlandsche mycologische vereeniging

Lijst van in Nederland gevonden hoogere zwammen (Basidiomycetae) ... 1918; Zwolle, 1918

Sauvageau, Camille

Utilisation des alques marines. Paris, 1920 (Encyclopédie scientifique)

Taubenhaus, J.J.

Diseases of greenhouse crops. c1920

Teodorescu, E. C.

Sur le tissu liberien et son rôle dans la circulation des substances organiques chez les végétaux supérieurs. Jassy, 1915.



New Books

Duret, Claude

Histoire admirable des plantes et herbes esmeru-
cillables & miraculeuses en nature. Paris, N.
Buon, 1605.

Gilli, F. L. & Gaspare Xuarez

Osservazioni fitologiche sopra alcune piante
esotiche introdette in Roma. Roma, 1789-92
3 v. in 1. 24.5cm.



- Agr. Gaz. N.S.W.
Birmingham, W. A.
Condition resembling American "peach rosette"
Agr. Gaz. N.S.W. 31: 581-582 illus. Ag. 1920 no. 8
- Darnell-Smith, G. P.
"Bunchy-top" in bananas Agr. Gaz. N.S.W. 31:
583-584 Ag. 1920 no. 8
- Agron. Colon.
Cayla, V.
Le Malachra capitata L. et ses fibres. Agron.
Colon. 5: 33-35 Ag. 1920 no. 38.
- Henry, Charles
Quelques variations du cocotier commun (Cocos nucifera L.) Agron. Colon. 5: 52-54 pl. Ag. 1920 no. 32
- Amer. Fern Journ.
Clarkson, E. H.
The story of a fern garden II Amer. Fern Journ. 10:
82-87 Jy./S. 1920 no. 3
- Graves, E. W.
The fern flora of Alabama. Amer. Fern Journ. 10: 65-
82 Jy./S. 1920 no. 3
- House, H. D.
The genus Aetopteron Ehrhart Amer. Fern Journ. 10:
88-89 Jy./S. 1920 no. 3
- Wherry, E. T.
A fruitless search for Asplenium montanum in Pennsylvania Amer. Fern Journ. 10: 90-91 Jy./S. 1920 no. 3
- Ann. Rep. Bd. Sci. Adv. India
Beeson, C.F.C.
Forest botany [including diseases] Ann. Rep. Bd. Sci.
Adv. India 1918/19 p. 32-33 1920
- Butler, E.J.
Mycology Ann. Rep. Bd. Sci. Adv. India 1918/19
p. 34-40 1920
- Ann. Rep. N.Y. State Coll. Agr. & Agr. Exp. Stat.
Whetzel, H. H.
[Report of the Dept. of] plant pathology Ann. Rep. N.Y.
State Coll. Agr. & Agr. Exp. Stat. 32(1919): xxxix-xli
1920
- Atti Accad. Ven.-Trent.-Istr.
Belosersky, Nicola
Su di una Peronospora nuova per l'Italia (Peronospora radii De Bary) e sulle sue deformazioni fiorali su Matricaria chamomilla L. Atti. Accad. Ven.-Trent.-Istr. 10:
111-116. 1917
- Beih. Bot. Centralbl.
Bäcker, Johann
Ueber die abhängigkeit des osmotischen wertes von einigen aussenfaktoren. Beih. Bot. Centralbl. 37 (abt. 1):
63-113 F. 1920 no. 1
- Rübel, Eduard
Experimentelle untersuchungen über die beziehungen zwischen wasserleitungsbahn und transpirations-verhältnissen bei Helianthus annuus L. Beih. Bot. Centralbl.
37, (abt. 1): 1-62 pl. i-xix F. 1920 no. 1
Literaturauswahl: p. 61-62
- Ber. Deut. Bot. Ges.
Gerhardt, Karl
Ueber das auftreten der schlauchfrüchte von Oidium tuckeri am weinstock. Ber. Deut. Bot. Ges. 38: 156-158
Jen. 1920 no. 4

Ber. Deut. Bot. Ges.

Lehmann, Ernst

Oenothera fallax Renner und die nomenklatur der oenotherenbastardierungen. Ber. Deut. Bot. Ges. 38: 166-175 Je. 1920 no. 4

Pfeiffer, Hans

Ueber die stellung der gattung Caustis R.Br. im natürlichen system II. Ber. Deut. Bot. Ges. 38: 207-216 illus. Jy. 1920 no. 5

Zitierte literatur: p. 215-216

Schüpp, Otto

Ueber form und darstellung der wachstumkurven Ber. Deut. Bot. Ges. 38: 193-199 Jy. 1920 no. 5

Tubler, Friedrich

Zur kenntnis des milchsafte von Manihot glaziovii Müll. Agr. (Vorläufige mitteilung) Ber. Deut. Bot. Ges. 38: 159-165 illus. Je. 1920 no. 4

Bol. Agr. São Paulo

Averna-Sacca, Rosario

Molestias cryptogamicas do algodoeiro Bol. Agr. São Paulo 21: 223-311 illus. Ap./My. 1920 no. 4/5

References in footnotes

Averna-Sacca, Rosario

Molestias da laranjeira Bol. Agr. São Paulo 21: 220-222 Ap./My. 1920 no. 4/5

Bacterium gummis

Averna-Sacca, Rosario

Molestias do cafeeiro Bol. Agr. São Paulo 21: 214-219 Ap./My. 1920 no. 4/5

Dematophora necatrix

Bot. Jahrb. Engl.

Engler, Adolf

Beiträge zur flora von Afrika XLVIII Bot. Jahrb. Engl. 57: 1-160 illus. Jy. 1920

Pilger, R. Algae mildbraedianaes Annonbonenses.

Bitter, G. Discopodium penninervium Hochst. var. holstii (Damm.) Bitt ...

Candolle, C. de Piperaceae africanae

Lindau, G. Acanthaceae africanae

Krause, K. Rubiaceae africanae

Ulbrich, E. Monographie der afrikanischen Pavonia-arten nebst übersicht über die ganze gattung

Bot. Mag. Tokyo

Kawakami, Koichiro & Suehiko Yoshida

Bacterial gall on Milletia plant (Bacillus milletiae n. sp.) Bot. Mag. Tokyo 34: 110-115 pl. ii Jy. 1920 no. 403

Morita, Koichi -1920 & B.E. Livingston

Some solution cultures of wheat without pot.assium Bot. Mag. Tokyo 34: 71-90 Je. 1920 no. 402.

Ogura, Yuzuru

Some observations on the growth in thickness of trees, especially with regard to that of Cryptomeria japonica Don Bot. Mag. Tokyo 34: 91-109 Jy. 1920 no. 403

Bull. Amer. Dahlia Soc.

Norton, J.B.S.

List of all known dahlias Bull. Amer. Dahlia Soc. ser. II, no. 16, p. 5-7 Jy. 1920

Bull. Dept. Agr. Mysore Gen. Ser.

Coleman, L. C.

The cultivation of ragi in Mysore Bull. Dept. Agr. Mysore Gen. Ser. 11 67 p. col. front., xix pl. (2 col.) fold. map 1920

Eleusine coracana

Diseases and pests of ragi: p. 36-37.

Bull. Econ. Indochine

Crevost, Ch

Note sur les copals des Diptérocarpées Bull. Econ.
Indochine n. s., 23: 434-437 My./Jé. 1920 no. 14²
Anisoptera robusta, A. cochinchinensis

Crevost, Ch. & Lemarié, Ch.

Plantes et produits filamenteux et textiles de l'Indi-
chine = Bambous. Bull. Econ. Indochine n. s., 23: 406-
433 plates My./Jé. 1920 no. 142.

Bull. Soc. Hist. Nat. Afr. Nord.

Ducellier, L.

Les blés du Ahaggar Bull. Soc. Hist. Nat. Afr. Nord.
11: 91-93 Jé. 15, 1920 no. 6

Triticum vulgare Vill. var. oasicolum n. v.; T. spelta
L. var. saharæ n. v.

Miramond de Laroquette

Sur la végétation des plantes en lumière de couleur.
Bull. Soc. Hist. Nat. Afr. Nord. 11: 94-99 Jé. 15, 1920
no. 6

Centralbl. Bakt. Abt. II

Gertz, Otto

Untersuchungen über die haustorienbildung bei Cuscuta,
Centralbl. Bakt. Abt. 2, 51: 287-313 Jy. 1920 no. 12/15
Literatur: p. 312-313

Moll, Friedrich

Untersuchungen über gesetzmässigkeiten in der holzkons-
ervierung. Die giftwirkung anorganischer verbindungen
(salze) auf pilze. Centralbl. Bakt. abt. 2, 51: 257-279.
Jy. 1920 no. 12/15

Compt. Rend. Acad. Sci. Paris

Blaringhem, Louis

Hérédité et nature de la pelorie de Digitalis purpurea L.
Compt. Rend. Acad. Sci. Paris 171: 252-254 1920 no. 4

Chifflet, F.

Sur les canaux sécréteurs gommifères des racines de cyc-
daceés et plus particulièrement ceux du Stangeria paradoxa
f. Moore. Compt. Rend. Acad. Sci. Paris 171: 257-
258 1920 no. 4

Colin, Henri

Sucre cristallisable et acides libres chez les végétaux
Compt. Rend. Acad. Sci. Paris 171: 316-318 1920 no. 5

Emberger, L.

Étude cytologique de la Selaginelle. Compt. Rend.
Acad. Sci. Paris 171: 263-266 illus. 1920 no. 4

Guilliermond, Alexandre

Nouvelles observations cytologiques sur Saprolegnia
Compt. Rend. Acad. Sci. Paris 171: 266-268 illus. 1920.
no. 4

Perrot, Emile

Notes biologiques sur les acacias fournisseurs de gomme,
dite arabique, au Soudan égyptien. Compt. Rend. Acad.
Sci. Paris 171: 258-260 1920 no. 4

Acacia vereck, A. seyal, A. arabica var. nilotica.

Ricome, Hilaire

Action de la pesanteur sur les végétaux. Compt. Rend.
Acad. Sci. Paris 171: 261-263 1920 no. 4

Souèges, René

Embryogénie des composés. Les premiers stades du dev-
eloppement de l'embryon chez Senecio vulgaris L. Compt.
Rend. Acad. Sci. Paris 171: 254-256 illus. 1920.

Deut. Landw. Presse

Ehrenberg, Paul

Zur frage der verschiedenen wirkung einiger brandbeizmit-
tel. Deut. Landw. Presse 47: 425-426, 434, 442 Jy.
31, Agb. 4, 7, 1920 no. 61-63



Deut. Landw. Presse

Laubert, Richard

Eine noch zu wenig beachtete krankheit des steinobstes.

Deut. Landw. Presse 47: 402 Jy. 17, 1920 no. 57

Fusicladium cerasi (Acrosporium cerasi or Cladosporium carpophilum)

Lauper, Bruno

Einige worte über steinbrandbekämpfung Deut. Landw.

Presse 47: 435-436 Ag. 4, 1920 no. 62

Garden

Jardine, C.A.

Eelworm in daffodils (cont.) Garden 84: 430-431. Ag. 28, 1920 no. 2545

Britten, James

The Duchess of Beaufort's flower drawings. Garden 84: 428-429 Ag. 28, 1920 no. 2545

Gard. Chron.

John Gilbert Baker. Gard. Chron. III, 68: 102 port Ag. 21, 1920.

Obituary notice

Farrer, Reginald

Mr. Reginald Farrer's second exploration in Asia no. 21

Wind and water pass Gard. Chron. III, 68: 120. S. 4, 1920 no. 1758

Forrest, George

Paeonia delavayi Gard. Chron. III, 68: 97-98 illus. Ag. 21, 1920 no. 1756

Dykes, W. R.

Iris douglasiana Gard. Chron. III, 68: 112 Ag. 28, 1920 no. 1757

Payne, C. H.

Dahlia names Gard. Chron. III, 68: 105 Ag. 28, 1920 no. 1757

Ward, F. K.

Temperate rain forest of the Burmese frontier. Gard. Chron. III, 68: 96 Ag. 21, 1920 no. 1756

Gard. Chron. Amer.

Hardy spireas Gard. Chron. Amer. 24: 307-310 S. 1920 no. 9

Gard. Mag.

Jacob, Joseph

Some tales of the tulip Gard. Mag. 32: 23-25 illus. S. 1920 no. 1

Saunders, A.P.

What America has done for the peony Gard. Mag. 32: 29-33 illus. (incl. ports.) S. 1920. no. 1

Theiss, Lewis & Mary Theiss

Ferns for the garden Gard. Mag. 32: 16-19 illus. S. 1920 no. 1

Wilson, E.H.

The romance of our trees XII. The pigmies and dwarfs. Gard. Mag. 32: 36-40 illus. S. 1920. no. 1

Indian For.

Sedgwick, Leonard John

A new species of Hugonia from Coorg. Indian For. 46: 424-425 Ag. 1920 no. 8

H. belli

Jahrb. Wiss. Bot.

Bölte, Elisabeth

Ueber die wirkung von licht und kohlendioxid auf die beweglichkeit grüner und farblose schwärmzellen Jahrb. Wiss. Bot. Pringsh. 58: 287-324. no. 3

Jahrb. Wiss. Bot.

Metzner, P.

Die bewegung und reizbeantwortung der bipolar begeis-
selten spirillen. Jahrb. Wiss. Bot. Pringsh. 59:

325-412 illus., pl. i 1920 no.3

Literaturverzeichnis: p. 410-412

Journ. Bot.

Church, A. H.

The lichen symbiosis Journ. Bot. 58: 213-219 no.693

Moore, S. LeM.

Alabastra diversa. pt. XXXIII, 3. Miscellanea africana
Journ. Bot. 58: 219-226 S. 1920 no.693

Journ. Dept. Agr. & Techn. Instr. Ireland

Pethybridge, G. H. & H. A. Lafferty

Investigations on flax diseases. Journ. Dept. Agr.
Techn. Instr. Ireland 20: 325-342 3 pl. 1920 no.3

Journ. Dept. Sci. Univ. Calcutta

Bal, S. N.

Meliola growing on Phoenix xylvestris and Citrus medica
(var. acida) Commentationes mycologicae I. Journ.
Dept. Sci. Univ. Calcutta 1(Bot.) 1-4 pl. 1919.

Journ. Genetics

Engledow, F. L.

Inheritance in barley I Journ. Genetics 10: 93-
108 no.2

Engledow, F. L.

The inheritance of glume-length and grain-length in a
wheat cross Journ. Genetics 10: 109-134 Ag. 1920
no.2

Bibliography: p. 134

Leake, H. M. & B. Ram Pershad

A preliminary note on the flower colour and associated
characters of the opium poppy Journ. Genetics 10:
1-20 pl. 1 (col.) Jy. 1920 no.1

Meunissier, Auguste

Observations faites à Verrières par Philippe de Vil-
morin, sur le caractère "hile noir" chez le pois
Journ. Genetics 10: 53-60 Jy. 1920 no.1

Richardson, C. W.

Some notes on Fragaria Journ. Genetics 10: 39-46
illus. Jy. 1920 no.1

Salaman, Redcliffs N. & J. W. Lesley

Genetic studies in potatoes. The inheritance of an ab-
normal haulm type. Journ. Genetics 10: 21-37 pl. ii-v.
Jy. 1920 no.1

Saunders, E. R.

Multiple allelomorphs and limiting factors in inheri-
tance in the stock (Matthiola incana) Journ. Genetics 10:
149-178 pl. vii-viii Ag. 1920 no.2

Journ. Linn. Soc. Bot.

Bristol, B. M.

A review of the genus Chlorochytrium Cohn. Journ. Linn.
Soc. Bot. 45: 1-28 pl. 1-3 Jy. 1920 no.301.

Britten, James

Some early Cape botanists and collectors Journ. Linn.
Soc. Bot. 45: 29-51 port. Jy. 1920 np.301
port. Francis Masson

Brown, N. E.

New and old species of Mesembryanthemum, with critical
notes Journ. Linn. Soc. Bot. 45: 53-140 pl. 5-10 Jy.
1920 no.301

Brown, N. E.

A new species of Lobostemon in the Linnaean herbarium
Journ. Linn. Soc. Bot. 45: 141-142 Jy. 1920 no.301.
L. magnisepalum



- Journ. Min. Agr. Gt. Brit.
Gt. Brit. Ministry of agriculture
Insect and fungus pests in September. Journ. Min.
Agr. 27: 583-596 S. 1920 no. 6
- Journ. Pomol.
Payne, Charles Harman
A strawberry bibliography Journ. Pomol. 1: 235-
242 Ag. 1920 no. 4
- Journ. Wash. Acad. Sci.
Piper, C. V.
A new genus of Leguminosae Journ. Wash. Acad. Sci.
10: 432-433 S. 19, 1920 no. 15
Monoplegma sphaerospermum
- Meded. Phytop. Labor. Willie Comm. Scholt, Amst.
Luijk, A. van
Gloeosporium ribis (Lib.) Mont. et Desm. Meded.
Phytopath. Labor. Willie Comm. Scholt, Amsterd. 4: 22-
24 My. 1920
Literaturverzeichnis: p. [25]
- Westerdijk, Johanna & A. van Luijk
Die Gloeosporien der eiche und der platanen Meded.
Phytopath. Labor. Willie Comm. Scholt, Amsterd. 4: 3-21.
illus. My. 1920
Literaturverzeichnis: p. [21]
- Westerdijk, Johanna & A. van Luijk
Die kunstliche kultur von Phomaarten Meded. Phyto-
path. Labor. Willie Comm. Scholt, Amsterd. 4: 26-30
My. 1920
Literatur: p. [30]
- Westerdijk, Johanna & A. van Luijk
Phytophthora erythroseptica Peth. als parasit von At-
ropa belladonna. Meded. Phytopath. Labor.
Willie Comm. Scholt, Amsterd. 4: 31-32 illus. My. 1920
- Mitt. Inst. Allg. Bot. Hamburg
Christiansen, Marie
Bibliographie von thermotropismus, thermotaxis und ther-
monastie der pflanzen 1686 bis 1916 Mitt. Inst. Allg.
Bot. Hamburg 3: 27-58 1918
- Winkler, Hans
Vorbemerkungen zu einer bibliographie des geotropismus
Mitt. Inst. Allg. Bot. Hamburg 2: 1-118 1917
Nachträge I-II. von Marie Christiansen Mitt.
Inst. Allg. Bot. Hamburg 3: 17-25, 1918; 4: 1-100 1919
- Naturw. Wochenschr.
Patschovsky, Norbert
Zur biologie und physiologie der schutzstoffe höhere
pflanzen. Naturw. Wochenschr. n.f., 19: 506 Ag. 8,
1920 no. 32
Literatur: p. 505-506.
- New Phytol.
Bartlett, A.W.
Note on an improved method for demonstrating the absorp-
tion of oxygen in respiration New Phytol. 19: 151-152.
illus. Jy. 10, 1920 no. 5/6
- Gates, R.R.
Mutations and evolutions Chap. IV-V. New Phytol. 19:
132-151. Jy. 10, 1920 no. 5/6.
- Uphof, J.C.T.
Physiological anatomy of xerophytic selaginellas New
Phytol. 19: 101-131 illus. Jy. 10, 1920 no. 5/6
Literature: p. 131
- New Zeal. Journ. Agr.
Rodda, T.E.
Control of brown-rot on peaches. The past season's ex-
periments at Arataki New Zeal. Journ. Agr. 21:
20-23 Jy. 1920 no. 1

Oesterr. Bot. Zeitschr.

Ginzberger, August

Ueber einige Centaurea-arten der adriatischen kuesten
und inseln Oesterr. Bot. Zeitschr. 69: 89-110
illus., pl. ii Ap./Je. 1920 no. 4/6
Verzeichnis der benutzten literatur: p. 109-110

Janchen, Erwin

Vorarbeiten zu einer flora der umgebung von Skodra
in Nord-Albanien, Oesterr. Bot. Zeitschr. 69:
128-146 no. 4/6

Schlechter, Rudolf

Eine neue Coelogyne aus Annam. Oesterr. Bot. Zeit-
schr. 69: 124-125 Ap./Je. 1920 no. 4/6
C. wettsteiniana

Parfum, Mod.

Gattefosse, Jean

Les roses de Marrakech. Parfum, Mod. 13: 137-143
illus. Jy. 1920 no. 7
Rose of Marrakech is R. damascena

Phytopath.

MacMillan, H.G.

A frost injury of potatoes. Phytopath. 10: 423-
424 pl. xiii S. 1920 no. 9

Matz, Julius

Gumming disease of sugar cane in Porto Rico Phyto-
path. 10: 429-430 illus. S. 1920 no. 9
Bacterium fascicularum

Murphy, P. A. & E. J. Wortley

Relation of climate to the development and control of
leaf roll of potato Phytopath. 10: 407-414 S.
1920 no. 9
Literature cited: p. 414

Rosenbaum, Joseph

A Macrosporium foot-rot of tomato Phytopath. 10:
415-422 illus. S. 1920 no. 9

Wilson, J.K.

Device for growing large plants in sterile media
Phytopath. 10: 425-429 illus. S. 1920 no. 9
Literature cited: p. 429

Proc. Amer. Phil. Soc.

MacDougal, D.T. & H. A. Spoehr

The components and colloidal behavior of plant proto-
plasm. Proc. Amer. Phil. Soc. 59: 150-170.
1920 no. 3
Bibliographical foot notes

Proc. N. J. Hort. Soc.

Farley, —

Dusting peaches and apples Proc. New Jersey State
Hort. Soc. 44: 96-100 1920

Cook, M.T.

Brown rot of peach Proc. New Jersey State Hort. Soc.
44: 70-72 1920

Queensl. Agr. Journ.

White, C. T.

Note on variation in the bark of two common eucalypts
Queensl. Agr. Journ. 14: 70-72 illus. Ag. 1920 no. 2
E. haemastoma var. micrantha & var. inophloia

Rep. Hawaii Agr. Exp. Stat.

Carpenter, C.W.

Report of the division of plant pathology Rep. Hawaii
Agr. Exp. Stat. 1919 p. 49-54 pl. vii-viii 1920
Taro rot, — Spraying to control the banana freckle disease
(Phoma musae)

Repts. Exp. Farms & Sci. Sect. Agr. Dept. Bihar & Orissa

Dutt, H.L.

Report on scientific work done in entomological and mycological sections Repts. Exp. Farms & Sci. Sect. Agr. Dept. Bihar & Orissa 1918/19 p. 10-12 1920

Rev. Agr. Puerto Rico

Legrand, J.F.

Plantas utiles de Puerto Rico (cont.) Rev. Agr. Puerto Rico v.5, no.1, p. 1-3, no.2, p.1-3 illus. Jy., Ag.1920.

Matz, Julius

La gomosis de la caña Rev. Agr. Puerto Rico v.5, no.1, p. 24-26 pl. Jy.1920
Bacterium vascularum

Matz, Julius

Pudrición de la base de la "roselle" Rev. Agr. Puerto Rico v.5, no.1, p. 18-20 illus. Jy.1920
Phytophthora terrestris

Rev. Chil. Hist. Nat.

Sanzin, Renato

Sobre el Loranthus cuneifolius Ruiz & Pavon Rev. Chil. Hist. Nat. 22: 126-129 pl. viii-ix (viii col.) Ag.1918 no.4

Scala, A.C.

Contribución al estudio histológico de la flora chilena. Rev. Chil. Hist. Nat. 22: 129-138 illus., col.pl.x Ag.1918 no.4
Lapageria rosea

Riv. Patol. Veg.

Landi, Raffaele

Tumori o galle del colletto e delle radici delle piante fruttifere (crown-gall) Riv. Patol. Veg. II, 10: 87-96 pl. i-iv. My.1920 no.4/5

Manaresi, Angelo

Alcune osservazioni sulla "Monilia" del melo Riv. Patol. Veg. II, 10: 73-86 My.1920 no.4/5
Bibliografia: p. 85-86

Manaresi, Angelo

Sui danni prodotti ai fiori degli alberi fruttiferi dalle gelate primaverili in genere e da quelle in particolare dei giorni 28, 29 e 30 marzo 1918 Riv. Patol. Veg. II, 10: 1-26. Je.1919 no.1/2
Bibliografia: p. 25-26

Montemartini, Luigi

Giovanni Briosi Riv. Patol. Veg. II, 10: 33-35 F.1920 no.3

Montemartini, Luigi

Pier Andrea Saccardo Riv. Patol. Veg. II, 10: 49-50 My.1920 no.4/5

Pantanelli, Enrico

Contributo alla biologia della Peronospora della vite. Riv. Patol. Veg. II, 10: 51-72 My.1920 no.4/5
Autori citati: p. 71-72

Science

MacCaughey, Vaughan

The Hawaiian olona Science 52: 240-241 S.10,1920. no. 1341

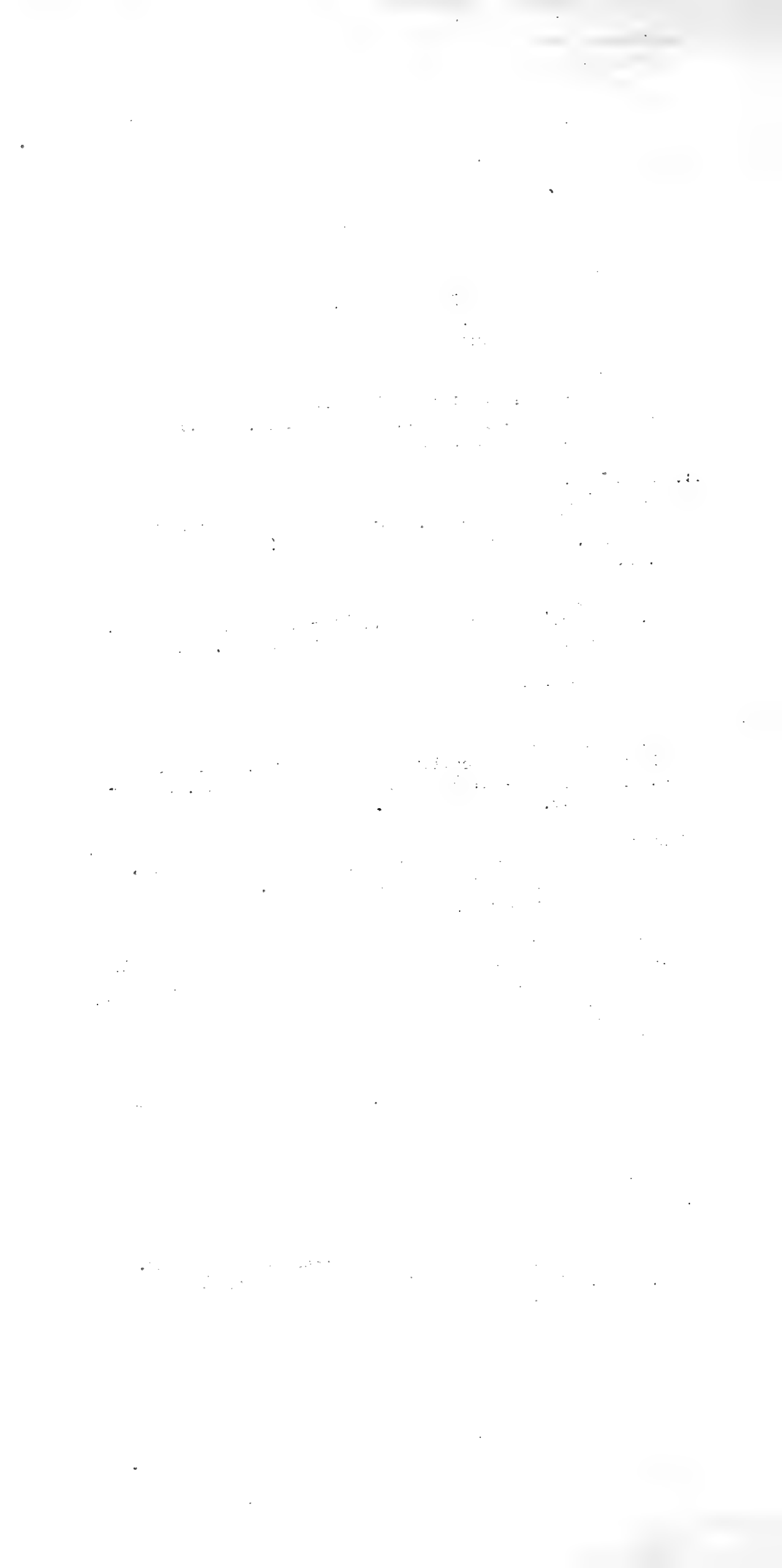
Norton, J.B.S. & C.C. Chen

Another corn seed parasite Science 52: 250-251 S. 10: 1920 no.1341

Sci. & Industr. Austr.

Mackinnon, Ewen

Crop losses Sci. & Industr. Austr. 2: 397-407 illus. Jy.1920 no.7



Seed World

McCubbin, W.A.

The seed potato question Seed World 8: 24-25 illus.
S. 3, 1920 no. 5

Soil Sci.

Greaves, J.E.

The antagonistic action of calcium and iron salts toward
other salts as measured by ammonification and nitrifica-
tion. Soil Sci. 10: 77-102 Ag. 1920 no. 2

References: p. 101-102.

So. Afr. Fruit Grow.

Evans, Iltyd B.P.

Anthracnose of zwart roest of the grape (Gloeosporium am-
pelophagum Sacc.) So. Afr. Fruit Grow. 7: 219 illus.
Ag. 1920 no. 8

So. Afr. Journ. Sci.

Phillips, E.P.

A brief analysis of the work of Carl Thunberg on the
Proteaceae So. Afr. Journ. Sci. 16: 380-382. Ja./Mr.
1920. no. 4

Van der Bijl, P.A.

A list of host-plants of some of the Loranthaceae occur-
ring around Durban, Natal. So. African Journ. Sci. 16:
344-347 Ja./Mr. 1920 no. 4

Verdoorn, I.C.

The order primulinés (Myrsinaceae, Primulaceae and Plum-
baginaceae) as represented in the Transvaal. So. Afr.
Journ. Sci. 16: 365-375 illus. (maps) Ja./Mr. 1920.
no. 4

Texas Agr. Exp. Stat. Bull.

Taubenhaus, Jacob Joseph

Diseases of grains, sorghums and millet, and their con-
trol in Texas. Texas Agr. Exp. Stat. Bull. 26 34 p.
illus. Ap. 1920

Taubenhaus, J.J.

Wilts of the watermelon and related crops (Fusarium wilts
of cucurbits) Texas Agr. Exp. Stat. Bull. 260
50 p. illus. Ja. 1920
Literature cited: p. 49-50.

Teysmannia

Hall, C.J.J. van

Derris als insecticides Teysmannia 31: 159-166
1920.

Smith, J.J.

Sierheesters I Teysmannia 31: 167-173 no. 4
I. Rubiaceae (Ixora)

Wigman, H.J. jr.

De zonnebloem (Helianthus) Teysmannia 31: 145-158.
2 pl. 1920. no. 4

Torreya

Britton, N.L.

Two new West Indian plants Torreya 20: 83-85 Jy./Ag.
1920. no. 4

Stenophyllum harisii and Croton fishlockii.

Brown, Mrs. E.D.W.

The value of nutrient solutions as culture media for fern
prothallia Torreya 20: 76-83 illus. Jy./Ag. 1920.
no. 4

Harper, R.M.

Southern Louisiana from the car-window. Torreya 20: 67-
76. Jy./Ag. 1920 no. 4

Trans. Roy. Soc. So. Afr.

Doidge, E.M.

Meliolaster, a new genus of the Microthyriaceae Trans.
Roy. Soc. So. Afr. 8: 121-123. Mr. 1920

M. mackenzii

Trans. Roy. Soc. So. Afr.

Doidge, E.M.

Mycological notes I

8: 117-119

Trans. Roy. Soc. So. Afr.

Doidge, E.M.

South African Perisporiales III-V Trans. Roy. Soc. So. Afr. 8: 107-110, 111-115, 137-143, pl. iv-viii Mr. 1920

III. Notes on four species of *Meliola* hitherto unrecorded from South Africa. IV. New species from the coast districts. V. Notes on an interesting collection from Natal.

Trillia

Alker, F. P.

Botanical gleanings from the writings of early travelers in western Pennsylvania Trillia 5: 8-22 O. 1919

J. D. Schoepf, Thomas Hutchins, Wm. Darby, F. Cumming, Joseph Doddridge.

Allaback, Lulu F.

A brief key to the trees and larger shrubs of Schenley Park Trillia 5: 71-82 illus. (plan) O. 1919

Bright, John

Botanizing in Yellowstone Park Trillia 5: 61-70 O. 1919

Jennings, O. E.

The B. H. Patterson herbarium presented to the Carnegie Museum Trillia 5: 84 O. 1919.

Jennings, O. E.

Botanical notes on a trip to Mont Alto, Franklin County, Penn. Trillia 5: 85-88 O. 1919.

Jennings, O. E.

The hawthorns of Western Pennsylvania, a key to the species and a list with the known localities. Trillia 5: 34-60 O. 1919

Jennings, O. E.

John Adolph Shafer Trillia 5: 3-7 port. O. 1919

Zeitschr. Obst- u. Gartenb.

Naumann, Arno

Zehn Jahre amerikanischen stachelbeermehltaus in Sachsen. Kritische darstellung der verbreitung und der bekämpfung desselben nebst einer verbreitungskarte. Zeitschr. Obst- u. Gartenb. n. f., 46: 18-22. illus. (map) F. 1920 no. 2

New Books

Rock, J. F.

The leguminous plants of Hawaii, Honolulu. Jy. 1920.

Kobert, R.

Neue beiträge zur kenntnis der saponinsubstanzen 2 v. 1916-17.

Kraemer, Henry

Scientific and applied pharmacognosy 1920.

National research council. Division of biology and agriculture - Committee on plant pathology

Memorandum on a proposed Institute of research in tropical America] Washington, D. C., 1920

12 leaves 28 cm.

Multigraphed

Schnnland, Selmar

Phanerogamic flora of the divisions of Uitenhage and Port Elizabeth Pretoria, 1919 118 p.

Botanical survey of South Africa Mem. no. 1

Unwin, A. H.

West African forests and forestry. 1920.

Wetter, Ernst

Oekologie der felsflora kalkarmer gesteiner. 1918.

Wimshurst, C. R.

A note on the weeds of the...



- Ann. Sci. Agron.
Quanjer, H. M. & Oortwyn Botjes
L'enroulement des feuilles (leptoné crose) et la frisoïée
(mosaïque) de la pomme de terre Ann. Sci. Agron. 36:
2 62-280 illus. Jy./D. 1919 no. 7*12
- Ann. Sci. Nat. Bot.
Terroine, Émile F.
État actuel de nos connaissances sur la formation des
graines et fruits oléagineux et sur l'utilisation des
graisses au cours de la germination. Ann. Sci. Nat.
X, Bot. 2: i-lxiii Jy. 1920 no. 6
Index bibliographique: lxi-lxiii
- Arb. Ges. Förd. Baues u. Wirtschaftl. Zweckmässige. Verw. Kartoff.
Appel, Otto
Ueber die anfälligkeit und widerstandsfähigkeit ver-
schiedener kartoffelsorten gegen krebs Arb. Ges. Förd.
Baues u. Wirtschaftl. Zweckmäss. Verw. Kartoff. no. 15
no. 15 19 p. fold. tab. 1918
- Arch. Suikerind. Ned. Indië
Wilbrink, G.
De gomziekte van het suikerriet, hard oorzaak en hare
bestrijding. Arch. Suikerind. Nederl. Indië 28:
1399-1462 no. 33.
- Bot. Gaz.
Adams, John.
Relation of flax to varying amounts of light Bot.
Gaz. 70: 153-156 Ag. 1920 no. 2
- Candolle, Casimir de
New species of Piper from Central America. Bot. Gaz.
70: 169-189 S. 1920 no. 3
- Davis, J. J.
Pier Andrea Saccardo Bot. Gaz. 70: 156-157 Ag. 1920
- Douglas, G. E.
Early development of Inocybe Bot. Gaz. 70: 211-220.
Literature cited: p. 217-218.
- Freeman, G. F.
Studies in evaporation and transpiration. Bot. Gaz.
70: 190-210 S. 1920 no. 3.
- Holm, Theodor.
James M. Macoun. Bot. Gaz. 70: 240-242. port. S. 1920.
no. 3.
- Langdon, S. C. & W. R. Gailey
Carbon monoxide a respiration product of Nereocystis lu-
etkeana. Bot. Gaz. 70: 230-239 illus. S. 1920 no. 3
- MacCaughy, Vaughan
Hawaii's tapestry forests Bot. Gaz. 70: 137-147
illus. Ag. 1920 no. 2
- MacDougal, D. T.
Auxographic measurement of swelling of biocolloids and of
plants. Bot. Gaz. 70: 126-136 illus. Ag. 1920 no. 2.
- Langdon, L. M.
Stem anatomy of Dioon spinulosum. Bot. Gaz. 70: 110-
125 illus., pl. xv-xvii Ag. 1920 (Rec'd Oct.) no. 2
Literature cited: p. 124
- Frankerd, T. L.
Statocytes of the wheat haulm. Bot. Gaz. 70: 148-152.
illus. Ag. 1920 no. 2
Literature cited: p. 152
- Sherff, E. E.
Studies in the genus Bidens V Bot. Gaz. 70: 89-109.
pl. xi-xiv. Ag. 1920 (Rec'd Oct.) no. 2

1947

1. The first part of the report deals with the general situation in the country. It is noted that the economy is in a state of depression and that the government is unable to meet its obligations. The report also mentions that the population is suffering from widespread poverty and unemployment.

2. The second part of the report discusses the political situation. It is noted that the government is weak and that there is a lack of unity among the political parties. The report also mentions that the military is a powerful force in the country and that it is not subject to civilian control.

3. The third part of the report deals with the social situation. It is noted that the majority of the population is illiterate and that there is a lack of basic social services. The report also mentions that there is a high level of corruption in the government and that the judicial system is inefficient.

4. The fourth part of the report discusses the foreign relations of the country. It is noted that the country is isolated and that it has few friends in the international community. The report also mentions that the country is a member of the United Nations and that it is active in the work of the organization.

5. The fifth part of the report deals with the recommendations of the commission. It is recommended that the government should take steps to improve the economy, to strengthen the political system, and to improve the social services. It is also recommended that the military should be brought under civilian control and that there should be a reform of the judicial system.

Bot. Gaz.

Willaman, John James
Pectin relations of *Sclerotinia cinerea*. Bot. Gaz. 70:
221-229 S.1920 no. 3

Bot. Mag. Tokyo

Yamada, Gihei
Einige beobachtungen über die zellteilung in der arches-
poren und sporenmitterzellen von *Psilotum triquetrum* Sw.,
mit besonderer rücksicht auf die zellplattenbildung.
Bot. Mag. Tokyo 34: 117-129 incl.pl. Ag.1920. no.404
Literatureverzeichnis: p. 128-129.

Bot. Not.

Nordstedt, Otto
Prima loca plantarum Suecicarum ... (cont.) Bot. Not,
1920, Bilaga p. 65-80 no. 4

Turesson, Göte
Fusarium viticola Thüm. infecting peas. Mykologiska not-
iser II. Bot. Not. 1920 p. 113-125 illus. no.4
Literature cited: p. 125

Bryologist

Bailey, J. W.
Adventures in mossland, *Polytrichadelphus lyallii* Mitt.
Bryologist 23: 49-50 Jy.1920 no.4

Burnham, S. H.
The mosses of the Lake George flora (concl.) Bryologist
23: 54-60 Jy.1920 no. 4

Pearson, W. H.
Aplozia pendletonii Pearson n. sp. Bryologist 23:
50-51 pl. ii Jy.1920 no. 4

Williams, R. S.
Grimmia (*Guembelia*) *brevirostris*, sp.nov. Bryologist
23: 52-53 pl. iii Jy.1920 no. 4

Bull. Agr. Alg.-Tun.-Maroc

Ducellier, L.
Les blès du Sahara. Bull. Agr. Alg.-Tun.-Maroc II,
26: 97-109, 131-146 no. 6-7.

Bull. Misc. Inform. Kew

Haines, H. H.
Amoora spectabilis and *A. wallichii* Bull. Misc. Inform.
Kew 1920 p. 238-242 no. 7
Note by Dr, Stapf

Haines, H. H.
Sapindus trifoliata Linn. or *S. laurifolia*, Vahl Bull.
Misc. Inform. Kew 1920 p. 250-252 no. 7
S. trifoliata should replace *S. laurifolia*

Hutchinson, John
Jeffersonia and *Plagiorhegma* Bull. Misc. Inform, Kew
1920 pl 242-245 illus. no. 7

Kew Royal gardens
Decades kewensis plantarum novarum in herbario horti regii
conservatarum Decas XCIX Bull. Misc. Inform. Kew 1920
p. 245-250 no. 7

Schonland, Selmar.
A trip to the Knysna. Bull. Misc. Inform. Kew 1920
p. 225-231. no. 7

Sprague, T. A.
Phellodendron Bull. Misc. Inform. Kew 1920 p. 231-
235. no. 7

Wakefield, E. M.
On two species of *Ovulariopsis* from the West Indies.
Bull. Misc. Inform. Kew 1920 p. 235-238 illus. no. 7
O. gossypii, *O. obclavata*.

Faint, illegible text, possibly bleed-through from the reverse side of the page. The text is scattered across the page and is mostly illegible due to low contrast and blurring.

Bull. Mus. Hist. Nat. Paris

Benoist, Raymond

Descriptions d'espèces nouvelles de phanérogames

Bull. Mus. Hist. Nat. Paris 1920 p. 184-188 no.2

Ononis zaiana, *Bathysa difformis*, *Hypoestes longispica*,
H. capitata, *H. multispicata*, *H. comosa*, *H. oppositiflora*.

Benoist, Raymond

Liste des plantes récoltées en Guyane française par M.

Wac henheim. Bull. Mus. Hist. Nat. Paris 1920

p. 85-92 no. 1

Gagnepain, François

Aetheocephalus, nouveau genre de composées

Bull. Mus.

Hist. Nat. Paris 1920 p. 172-173 no. 2

A. thorelii

Gagnepain, François

Barringtonia et *Decaspermum* nouveaux.

Bull. Mus. Nat.

Hist. Nat. 1920 p. 72-74 no. 1

Barringtonia eberhardtii, *B. edaphocarpa*, *Decaspermum cambodianum*.

Gagnepain, François

Un genre nouveaux de composées, *Blumeopsis*

Bull. Mus.

Hist. Nat. Paris 1920 p. 75-76 no. 1

B. flava

Guillaumin, André

Contributions à la flore de la Nouvelle-Calédonie XXIX-XXX

Bull. Mus. Hist. Nat. Paris 1920 p. 77-84, 174-179 no. 1,2

Lecomte, Henri

Deux espèces nouvelles de genre *Crateranthus* (lécythidacées)

Bull. Mus. Nat. Hist. Nat. Paris 1920 p. 68-71

illus. no. 1

C. letestui, *C. congolensis*

Pellegrin, François

Utriculaires nouvelles de l'Indro-Chine (Lentibulariacées)

Bull. Mus. Hist. Nat. Paris 1920 p. 180-183 no.2

U. delphinioides, *U. geoffrayi*, *U. lilliput*, *U. odorata*,
U. pierreii

Bull. North Carolina Dept. Agr.

Jehle, R. A. & R. Y. Winters

Control of cotton anthracnose and improvement of cotton in North Carolina.

Bull. North Carolina Dept. Agr. 41(2):

14-28 illus. Ja.1920

Jehle, R. A.

Control of cotton wilt. Bull. North Carolina Dept. Agr.

41(2): 5-13 illus. Ja.1920.

Bull. Soc. Path. Vég. France

Arnaud, Gabriel

Notes de pathologie végétale

Bull. Soc. Path. Vég.

France 7: 53-56 Ap./Je.1920 no. 2

"Maladies des plantes, dans le Nord-Est du département du Gard, pendant la deuxième quinzaine d'avril 1920"

Cotte, Jules

Deux parasites de la figue sauvage

Bull. Soc. Path.

Vég. France 7: 26-30 illus. Ja./Mr.1920 no. 1

Tylenchus sycobius n.sp.

Ducomet, Vital

De la lutte contre le *Phytophthora infestans*

Bull. Soc.

Path. Vég. France 7: 59-65 Ap./Je.1920 no.2

Ducomet, Vital

Un oïdium de la pomme de terre

Bull. Soc. Path. Vég.

France 7: 57-58 Ap./Je.1920 no. 2

Puttemans, Arsène

Observations sur la biologie du *Tylenchus devastatrix* Kuhn.

Bull. Soc. Path. Vég. France 7: 66-67 Ap./Je.1920 no. 2

[The page contains extremely faint and illegible text, likely bleed-through from the reverse side of the document. The text is scattered across the page and does not form any recognizable words or sentences.]

Bull. Torr. Club

Brown, E. D. W.
Appogamy in *Osmunda cinnamomea* and *O. claytoniana*
Bull. Torr. Club 47: 333-345 illus. Ag.1920 (Oct.)
no. 8

Farr, W. K.
Cell-division of the pollen-mother-cell of *Cobaea scandens alba*
Bull. Torr. Club 47: 325-338 pl. 14
Ag.1920 (Oct.) no. 8

Rickett, H. W.
Regeneration in *Sphaerocarpos donnellii*
Bull. Torr. Club 47: 347-357 illus. Ag.1920 (Oct.) no. 8

Weatherwax, Paul
A misconception as to the structure of the ear of maize.
Bull. Torr. Club 47: 359-362 illus. Ag.1920 (Oct.) no.8

Citrus Indust.

Grossenbacher, J. G.
Dieback of citrus trees. *Citrus Industry* v.1, no.9,
p. 8-9, 16 illus. S.1920

Compt. Rend. Acad. Sci. Paris

Delauney, P.
Extraction des glucosides de deux orchidées indigènes;
identification de ces glucosides avec la loroglossine.
Compt. Rend. Acad. Sci. Paris 171: 435-437 1920 no. 8

Kunstler, J.
Sur un traitement préventif de l'oidium
Acad. Sci. Paris 171: 406-407 1920 no. 7

Lesage, Pierre
Expériences utilisables en physiologie végétale sur l'os-
mose et sur l'aspiration due à l'évaporation.
Rend. Acad. Sci. Paris 171: 358-360 Ag.1920 no.6

Souèges, René
Embryogénie des composées. Les derniers stades du dével-
oppement de l'embryon chez le *Senecio vulgaris* L.
Rend. Acad. Sci. Paris 171: 356-357 1920 no. 6

Florists' Exch.

Baxter, S. N.
Zelkova orenata. An unusual tree of unusual size.
Flor. Exch. 50: 713. Oct. 2, 1920 no. 14

Flow. Grow.

Clute, W. N.
Scientific plants names best.
0.1920 no. 10

Fühl. Landw. Zeit.

Hansen, W.
Physiological und pathologische erscheinungen an unseren
kulturpflanzen
1917. no. 13/14.

Müller, H. C. & Emil Molz
Ueber das auftreten des gelbrostes (*Puccinia glumarum*) am
weizen in den jahren 1914 und 1916
66: 42-55 Ja.15, 1917

Schmidt, Otto.
Zur kenntnis der durch fusarien hervorgerufenen krankheit-
erscheinungen der halmfrüchte.
84. F.1917

Gard. Mag.

Harshberger, J. W.
The old gardens of Pennsylvania I
80. no. 2
I. Bartram arboretum and park

Hedwigia

Höhnel, F. X. von
Bemerkungen zu H. Klebahn, Haupt- und nebenfruchtformen
der ascomyceten 1918
Hedwigia 62: 73-75. Ag.1920 (Oct.) no. 8

Faint, illegible text at the top of the page, possibly a header or introductory paragraph.

Second section of faint, illegible text, appearing to be a list or a series of short paragraphs.

Third section of faint, illegible text, continuing the list or series of paragraphs.

Final section of faint, illegible text at the bottom of the page, possibly a conclusion or footer.

Hedwigia

Höhnel, F. X. von
Fungi imperfecti. Beiträge zur kenntnis derselben (Fortsetz.)
Hedwigia 62: 56-80 My.1920 no. 1/2.

Journ. Agr. Res.

Brandes, E. W.
Mosaic disease of corn. Journ. Agr. Res. v.19, no.10
p. 517-522 pl. 95-96 Ag.16,1920 (Rec'd Oct.2)

Harlan, H.V. & Hayes, H.K.
Occurrence of the fixed intermediate, *Hordeum intermedium haxtoni*, in crosses between *H. vulgare pallidum* and *H. distichon palmella*. Journ. Agr. Res. v.19, no.11 p. 575-591 pl.103-106 S.1,1920
Literature cited: p. 590-591.

Hayes, H.K., Parker, J.H. & Kurtzweil, Carl.
Genetics of rust resistance in crosses of varieties of *Triticum vulgare* with varieties of *T. durum* and *T. dicoccum*
Journ. Agr. Res. v.19, no.11 p. 523-542 pl.97-102
S.1,1920 (Rec'd Oct.2)
Literature cited: p. 541-542.

Kunkel, L.O.
Further data on the orange-rust of *Rubus*. Journ. Agr. Res. v.19, no.10 p. 501-512 col.pl. D, pl. 93-94 Ag.16, 1920 (Rec'd Oct.2)
Literature cited: p. 512

Journ. Amer. Veter. Assoc.

Marsh, C. D., A.B. Clawson, & W.W. Eggleston
Baccharis pteronioides as a poisonous plant of the south-west. Journ. Amer. Veter. Assoc. 57: 430-434 illus. Jy.1920 no. 4

Journ. For.

Burns, G. P.
Tolerance of forest trees and its relation to forest succession. Journ. For. 18: 610-615 O.1920 no.6

Journ. Gen. Physiol.

Gustafson, F. G.
A comparison of the production of carbon dioxide by *Penicillium* and by a solution of dextrose and hydrogen peroxide. Comparative studies in respiration XII Journ. Gen. Phys. 3: 35-39 S.1920 no. 1

Osterhout, W. J. V. L.
The mechanism of injury and recovery. Journ. Gen. Phys. 3: 15-20 S.1920 no. 1

Journ. Hered.

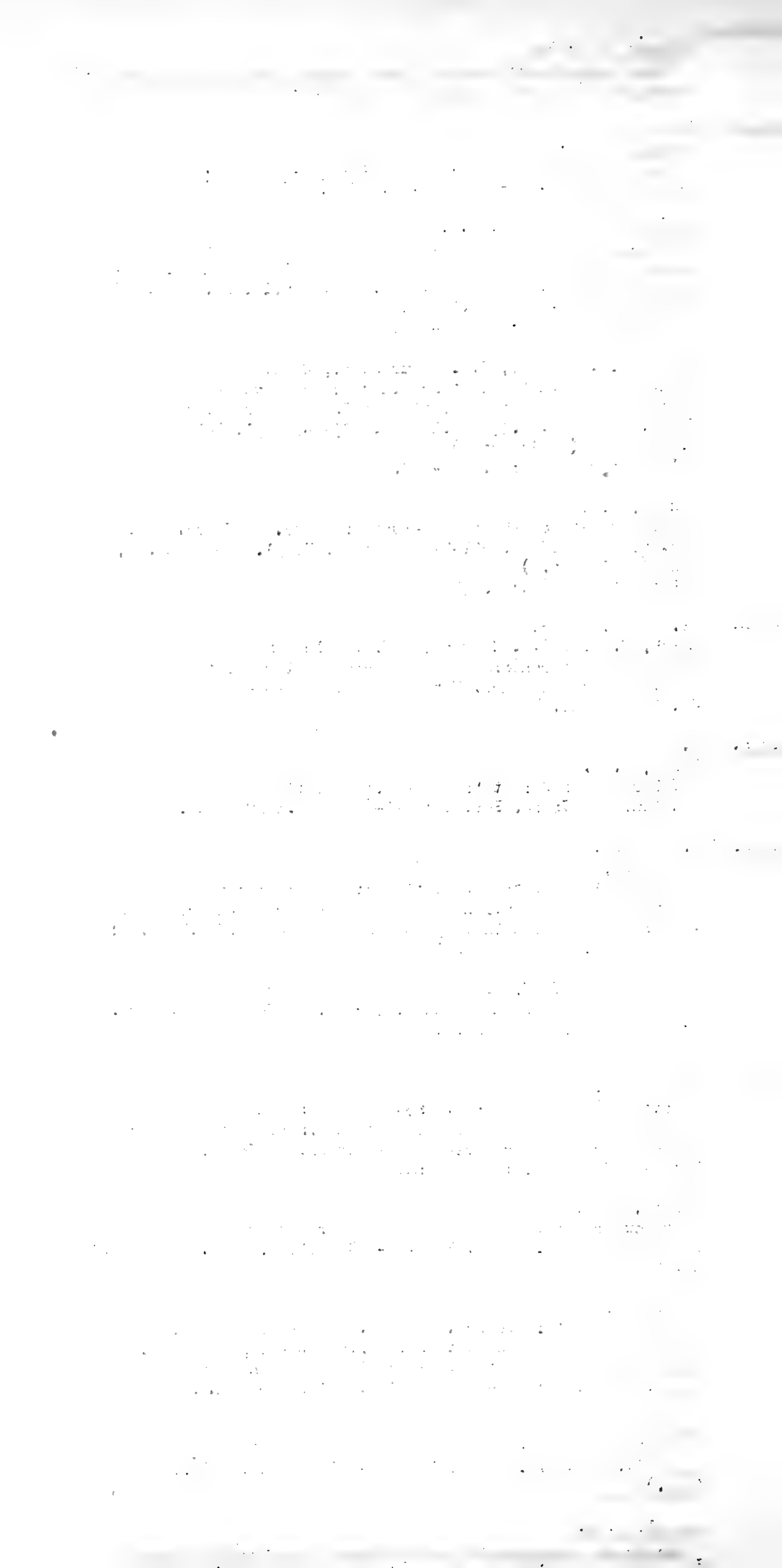
Cook, O. F.
Cotton a community crop. One variety communities must be recognized as the basis of production, in order to preserve and utilize superior varieties of cotton. Journ. Hered. 11: 174-177 Ap. 1920 no. 4

Darrow, G. M.
Are our raspberries derived from American or European species? Journ. Hered. 11: 178-184 illus. Ap.1920 (Oct.) no. 4

Fairchild, D.
Foreign plant introduction medal. Memorial to the late Frank N. Meyer presented to Mr. Barbour Lathrop "for distinguished service in the field of Foreign plant introduction." Journ. Hered. 11: 168-173 illus. Ap.1920 no. 4

Jones, D. F.
A lethal factor - defective seeds. Heritable characters of maize IV. Journ. Hered. 11: 161-167 illus. Ap.1920 (Oct.) no. 4

Shamel, A. D.
Origin of a grapefruit variety having pink-colored fruits. Journ. Hered. 11: 156-159 illus. Apr.1920 (Oct.) no. 4



Journ. Ind. Bot.

Fyson, P. F.
Hoterocarpus Wight Journ. Indian Bot. 1: 125-126
illus. D.1919 no. 4
illus. on p. 127 of Commelina sp.

Fyson, P. F.
The Indian species of Eriocaulon Journ. Indian Bot.
1: 49-53. O.1919 no. 2

Fyson, P. F. & M. Balasubrahmanyam
Note on the oecology of Spinifex squarrosus L. Journ.
Indian Bot. 1: 19-24 illus. S.1919 no. 1
Literature cited: p. 24

Kashyap, S. R.
Abnormal number of needles in the spurs of Pinus longifolia.
Journ. Ind. Bot. 1: 115-119 D.1919 no. 4

Rangachariar, K. & C. Tadulingham
A note on certain species of Polygala. Journ. Indian
Bot. 1: 44-48 illus. O.1919 no. 2

Sedgwick, L. J.
On Alysicarpus fugosus D.C. and its allied species
Journ. Indian Bot. 1: 14-18 S.1919 no. 1

Sedgwick, L. J.
On the use of the term "variety" in systematics. Journ.
Indian Bot. 1: 120-124. D.1919 no. 4

Journ. Min. Agr. Gt. Brit.

Gt. Brit. Ministry of agriculture
How to protect wheat: some notes on fungus pests. Journ.
Min. Agr. Gt. Brit. 27: 548-553 illus. S.1920 no. 6

Mem. Torr. Club

Britton, N. L.
Descriptions of Cuban plants new to science Mem. Torr.
Club 16: 57-118 S.1920 no.2

Mitt. Deut. Landw. Ges.

Starkes auftreten des schwarzrostes am getreide. Mitt.
Deut. Landw.- Ges. 35: 500-501 S.11,1920 no. 37
Includes communication by Hiltner

Hiltner, Lorenz
Ueber die beizung des wintergetreidesaatguts. Mitt.
Deut. Landw. Gesell. 35: 486-487 S.4,1920. no. 36

Opitz.

Fusariumbefall und auswinterung verschiedener winterwiezen-
sorten. Mitt. Deut. Landw. Gesell. 35: 488-489 S.4,1920
no. 36

Mycol. Notes

Lloyd, C. G.
Joseph Charles Arthur His Mycological notes 62: 904-906
port. F.1920
Chronological arrangement of events in Prof. Arthur's life,
prepared by J. H. Barnhart.

Nature

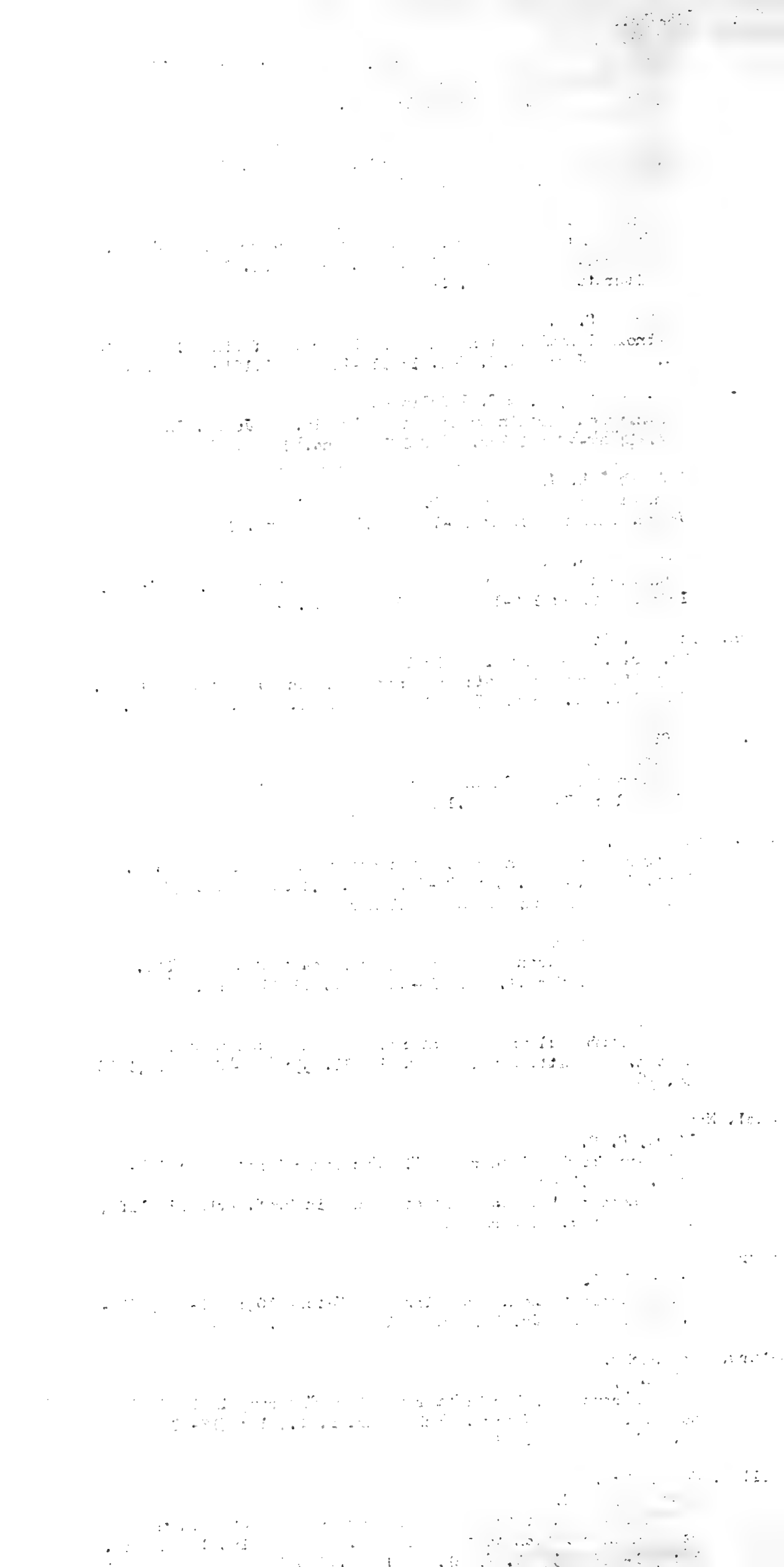
Bower, F. O.
The earliest known land flora Nature 105: 681-684, 712-
714. illus. Jy. 29, Ag. 5, 1920 no. 2648-9

Naturw. Wochenschr.

Meissner, Otto.
Die färbung der laubblätter und ihre änderung im laufe des
sommers. Naturw. Wochenschr. n. f., 19: 518-522
Ag.15,1920 no. 33

Philipp. Journ. Sci.

McGregor, R. C.
Some features of the Philippine ornis with notes on the veg-
etation in relation to the avifauna. Philippina Journ. Sci.
16: 361-437 35 pl. (incl. map) Ap.1920 (Rec'd Oct.) no. 4
The introduced element of the Philippine flora: p. 373-381.



Proc. Soc. Exp. Biol. & Med.

Levine, Michael

The behavior of crown gall on the rubber tree (*Ficus elastica*) Proc. Soc. Exp. Biol. & Med. 17: 157-158.
1920 no. 7

"Purpose ... to bring forward further evidence on the malignancy of the crown gall experimentally induced on mature evergreen perennials such as the common rubber tree."

Rev. Hort.

Guillaumin, André

Citranges, limonanges, satsumanges (hybrides agrumiferes issus du *Citrus trifoliata*) Rev. Hort. 92: 140-142
illus. Ag.16,1920 no. 8

Mottet, Seraphim

Un nouvelle rhubarbs Rev. Hort. 92: 147-148 illus.
Ag.1920
Rheum alexandrae

Rhodora

Coburn, L. H.

Flora of Birch Island in Attean pond. Rhodora 22: 129-138
Ag.1920 no. 260

Fernald, M. L.

Oxalis montana Rhodora 22: 143-144 Ag.1920 no.260

Holm, Theodor

Antennaria alpina, and *A. carpathica* Rhodora 22: 138-142.
Ag.1920 no. 260

Weatherby, C. A.

A European primrose in New England. Rhodora 22: 143.
Ag.1920 no. 260

Riv. Biol.

Manaresi, Angele

Sulla biologia florale del pesco III. nota Riv. Biol.
1: 586-593. S./D.1919 no. 5/6.

Science

Thompson, W. P.

Scientific research in relation to agriculture problems.
Science 52: 301-307 O.1,1920 no. 1344

Sver. Utsädesför. Tidskr.

Akerman, Ake

F. Kølpin Ravn 10 maj 1873 - 25 maj 1920 Sveriges Utsädesför. Tidskr. 30: 122-124. 1920 no. 3

U. S. Dept. Agr. Bull.

Byars, L. P.

The nematode disease of wheat caused by *Tylenchus tritici*.
U. S. Dept. Agr. Bull. no. 842 40 p. illus., vi pl. (1 col.) S.7,1920

Literature cited: p. 38-40.

U. S. Dept. Agr. Farm. Bull.

Holbert, J.R. & Hoffer, G.N.

Control of the root, stalk and ear rot diseases of corn.
U. S. Dept. Agr. Farm. Bull. 1176 24 p. illus. S.1920

Zeitschr. Bot.

Harder, Richard

Ueber die reaktionen freibeweglicher pflanzlicher organismen auf plötzliche änderungen der lichtintensität
Zeitsch. Bot. 12: 353-462 1920 no. 7/8.

Literatur p. 458-462

Zeitschr. Pflanzenkr.

Molz, Emil

Die Typhula-fäule der zuckerrüben auf den Azoren und ihre bekämpfung. Zeitschr. Pflanzenkr. 30: 121-139 illus.
1920. no. 4/5

T. betae

Zimmermann, Hans

Nematodenbefall (Heterodera) an kartoffeln. Zeitschr. Pflanzenkr. 30: 139-145 illus. 1920 no. 4/5.

[The page contains extremely faint and illegible text, likely bleed-through from the reverse side of the document. The text is scattered across the page and does not form any recognizable words or sentences.]

Exper. Stat. Publ.

Anderson, H. W.

Diseases of Illinois fruits Illinois Agr. Exp. Stat.
Circ. 241 155 p. illus. ii pl. (ii col.) Ap.1920

Dutton, W. C.

Dusting and spraying experiments of 1918 and 1919 Mich.
Agr. Exp. Stat. Spec. Bull. 102 50 p. illus. Mr.1920

Frank, Arthur

Some prevalent diseases of stone fruits and their control.
Month. Bull. Wash. Agr. Exp. Stat. 8: 90-92 S.1920 no.6

New Books

Ducellier, L.

Les blés du Sahara Alger 1920

Farwell, O. A.

Notes on the Michigan flora II Reprinted from 21st
Mich. Acad. Sci. Rep. 1919 p. 345-371 1920

Fawcett, Wm. & Rendle, A. B.

Flora of Jamaica v. IV, Dicotyledons, pt. II 1920.

Hardy, M. C.

The geography of plants 1920

Larousse agricole... 1920 Fasc.1-10

Onslow, M. W.

Practical plant biochemistry 1920

Pemberton, J. H.

Roses ed. 2 1920

Rolet, A & Bouret, D.

Culture des plantes médicinales 1919

Sartory, A. & Maire, L.

Interprétation des planches de J. Bolton On history of
fungusses vol.I-II (1788) 19?

Sartory, A. & Maire, L.

Synopsis du genre Tricholoma. 1918

Smith, E. F.

Production of tumors in the absence of parasites Re-
printed from Archives Dermat. & Syphil. v.2, Ag.1920
7 p.



LC Amer. Bot.
Clute, W. N.
The desert trumpet flower Amer. Bot. 26: 77-79 pl.
Ag. 1920. no. 3
Datura meteloides

Grier, N. M.
Notes on comparative regeneration in Elodea and Ceratophyllum Amer. Bot. 26: 80-84 Ag. 1920 no. 3

Lumbard, Lucina H.
Cleavers Amer. Bot. 26: 95 Ag. 1920 no. 3

Nelson, Aven
Flora of the Navajo reservation (concl.) Amer. Bot. 26:
87-89 Ag. 1920 no. 3

Amer. For.
Simonds, O. C.
Nut trees in landscape work Amer. For. 26: 618-621
illus. 0.1920 no. 322

Amer. Nat.
Setchell, W. A.
Stenothermy and zone-invasion Amer. Nat. 54: 385-397
S. 1920 no. 634

Ann. Carnegie Mus. Pittsb.
Jennings, O. E.
A description of *Cypripedium passerinum* Ann. Carnegie
Mus. 12: 343-345 pl. lix 0.1919 no. 2-4

Ann. Rep. Smithsonian Inst.
Berry, E. W.
Paleobotany: a sketch of the origin and evolution of floras.
Ann. Rep. Smithsonian Inst. 1918 p. 289-407 illus., 6 pl.
1920

Nichols, G. E.
Sphagnum moss, a war substitute for cotton in absorbent
surgical dressings. Ann. Rep. Smithsonian Inst. 1918
p. 221-234 4 pl. 1920
Text in part from his article publ. in Journ. N. Y. Bot.
Gard., v. 19

Atti Ist. Bot. R. Univ. Pavia
Briosi, Giovanni
Sul "avvizzimento dei germogli del gelso" ricerche di Giovanni Briosi e Rodolfo Farneti compilate sopra manoscritto inedite da Gino Polacci Atti Ist. Bot. R. Univ. Pavia 17: 185-202 pl. v-x xviii 1920 no. 4

Bull. Agr. Alg.-Tun.-Maroc
Ducellier, L.
Les blés du Sahara (cont.) Bull. Agr. Alg.-Tun.-Maroc
II, 26: 161-170. illus. Ag. 1920 no. 8

Bull. Jard. Bot. Buitenzorg
Wildeman, Emile de
Notes sur le genre *Rinorea* Aubl. Bull. Jard. Bot. Bruxelles 6: 131-194 Mr. 1920 no. 3

Bull. Soc. Mycol. France
Bataille, Frédéric
Cortinarius suaevolens Bataille et Joachim nov. sp.
Bull. Soc. Mycol. France 36: 85-86 Jy. 1920 no. 2

Bourdote, Hubert & L. Maire
Notes critiques sur quelques hyménomycètes nouveaux ou peu connus Bull. Soc. Mycol. France 36: 69-85 illus. Jy. 1920 no. 2

Buchet, Samuel, H. Chermeson, and F. Evrard
Matériaux pour la flore française des myxomycètes, (2e article) Bull. Soc. Mycol. France 36: 106-121. Jy. 1920 no. 2
Index bibliographique: p. 120-121.

- Bull. Soc. Mycol. France
Duvernoy, A. & R. Maire
Un nouvelle dématiée à conidies psuedo-endogènes Bull.
Soc. Mycol. France 36: 86-89 illus. Jy.1920 no. 2
Endophragma mirabilis n.gen., n.sp.
- Gonzalez Fragoso, Romualdo
Quelques mots sur une nouvelle Lophiostomacée Bull. Soc.
Mycol. France 36: 103-106 illus. Jy.1920 no. 2
Lophiotrema pteridis Gaz.Frag. (forma nova) ad interim.
- Mangin, Louis & F. Vincens
Sur un nouveau genre d'adélomycètes, le Spirospora castaneae
n.sp. Bull. Soc. Mycol. France 36: 89-97 illus. Jy.1920
no. 2
- Mayor, Eugène
Etude expérimentale du Puccinia opizii Bubak Bull. Soc.
Mycol. France 36: 97-100 Jy.1920 no. 2
- Moreau, Fernand
A propos du nouveau genre Kunkelia Arthur Bull. Soc.
Mycol. France 36: 101-103 Jy.1920 no. 2
- Bull. Torr. Club
Berry, E. W.
Contributions to the mesozoic flora of the Atlantic coastal
plain XIII. North Carolina. Bull. Torr. Club 47: 397-406
illus. S.1920 no. 9
- Brown, F. B. H.
The silicious skeleton of tracheids and fibers. Bull. Torr.
Club 47: 407-424 illus. S.1920 no. 9
- Rose, H. M.
The effect of zinc sulphate on protoplasmic streaming. Bull.
Torr. Club 47: 425-431 S.1920 no. 9
Literature cited: p. 431
- Williams, R. S.
Calympereaceae of North America Bull. Torr. Club 47: 367-
396 pl. 15-17 S.1920 no.9
- Circ. Dept. Agr. Uganda
Small, William
Dieback of Coffea arabica in Uganda. Circ. Dept. Agr. Ugan-
da Prot. no. 4 25 p. 3 pl. Ap.1920
- Contr. U. S. Nat. Herb.
Standley, P. C.
Trees and shrubs of Mexico (Gleichenaceae-Betulaceae)
Contr. U.S.Nat. Herb. v.23, pt.1 169 p. 0.1920
- Garden
Bean, W. J.
Rhododendron falconeri and R. wightii Garden 84: 452 illus.
S.11,1920 no. 2547
- Jardine, C. A.
Eelworm in daffodils (cont.) Garden 84: 453, 480 S.11,
25, 1920.
- Gard. Chron.
Cayley, D. M.
Shot-hole disease of Antirrhinum majus Gard. Chron. III,
68: 158 illus. S.25,1920 no. 1761
Cercospora
- Hay, T.
The African form of Scabiosa columbaria Gard. Chron. III,
68: 131 illus. S.11,1920 illus. also on p. 133 no.1759
- Henry, Augustine
The names of conifers Gard. Chron. III, 68: 156
S.25,1920 no. 1761
- Gard. Illus.
Canker in melons Gardening Illus. 42: 541 S.25,1920
no. 2168

Dear Sir,

I have the pleasure to inform you that your application for a grant of £1000 has been approved.

The grant will be paid in three equal instalments of £333 13s 4d each, on the following dates: 1st, 4th and 7th months.

I am sure that you will find this grant most useful for the purpose for which it is granted.

Yours faithfully,

Director of Public Health

London

1945

Gartenw.

Laubert, Richard
 Gibt es pilzkrankheiten? Gartenw. 24: 300-302 Ag.
 6,1920 no. 32

Janson, A.
 Schwefelung gegen mehltau Gartenw. 24: 279-281
 S.23,1920 no.30

Genetics

Kelly, J. P.
 A genetical study of flower form and flower color in
 Phlox drummondii Genetics 5: 189-248 illus., 2 col.pl.,
 fold.tab. Mr.1920 (Aug.) no. 2
 Literature cited: p. 247-248

Hacienda

Percival, J. B.
 Algunas palmas útiles y sus productos económicos Hacienda
 16: 10-14

Indian For.

Jivanna, P. S.
 The cause of spike in sandal (*Santalum album* L.) Indian
 For. 46: 469-487 S,1920
 Literature cited: p. 486-487

Journ. Dept. Agr. So. Africa

Van der Bijl, P. A.
 A leaf spot of the pea-nut or monkey nut plant. Caused
 by the fungus *Septogloeum arachidis* Rac. Journ. Dept.Agr.
 So. Afr. 1: 528-530 illus. S.1920 no.6

Journ. Elisha Mitchell Soc.

Coker, W. C. & J. N. Couch
 A new species of *Achlya* Journ. Elisha Mitch. Sci. Soc.
 36: 100-101 S.1920 no. 1/2.
 A. orion

Wolf, F. A.
 A little-known vetch disease. Journ. Elisha Mitch. Soc.
 Soc. 36: 72-85 pl. 2-6 S.1920 no. 1/2
Protocornospora nigricans causal organism

Journ. Agr. Prat.

Denaiffe, Henri ? & Sirodot
 Sur la rouille tachetée ou grosse rouille Journ. Agr.
 Prat. 84: 212-214 illus. S.9,1920 no.37
Puccinia straminis ou *P. rubigo vera*

Journ. Coll. Agr. Hokkaido Imp. Univ.

Takahashi, Eiji
 On the mucilaginous substance of Florideae Journ. Coll.
 Agr. Hokkaido Imp. Univ. 8: 1839232 My.1920 no. 6

Journ. Dept. Agr. Victoria

Brittlebank, C. C.
 Tomato diseases Journ. Dept. Agr. Victoria 18: 413-416
 Jy.1920 no. 7

Journ. Min. Agr. Gt. Brit.

Bewley, W. F.
 "Damping off" of tomato seedlings Journ. Min. Agr. Gt.
 Brit. 27: 670-673 0.1920 no. 7
 Abridged account of an investigation to be published in full
 in the Annals of applied biology v.7, no.2, 1920.

Stapledon, R. G.
 Plant breeding work at Aberystwyth Journ. Min. Agr. Gt.
 Brit. 27: 630-639 plates 0.1920 no.7
Gloeosporium disease of red clover: p. 637-638 pl.

Journ. N.Y. Bot. Gard.

Small, J. K.
 In quest of lost cacti, cactus hunting in the Carolinas in
 winter Journ. N.Y.Bot. Gard. 21: 1619178 pl. 251-252
 S.1920 no. 249
 Biographical footnotes by J.H. Barnhart

- Journ. Wash. Acad. Sci.
 Jennings, O. E.
 New or noteworthy plants from northwestern Ontario
 Journ. Wash. Acad. Sci. 10: 453-460 0.4, 1920 no. 16
- Minn. For. Serv. Bull.
 Anderson, P. O. & A. F. Oppel
 Raising white pine in Minnesota. Minnesota For. Serv.
 Bull. no. 5 32 p. illus. Mar. 1920
 The white pine blister rust: p. 27-32.
- Minn. Hort.
 Hansen, N. E.
 Northern circumpolar work in horticulture Minn. Hort.
 48: 306-310 0.1920 no. 10
- Missouri Bot. Gard. Bull.
 Native plants suitable for the gardens of Missouri and ad-
 joining states. Missouri Bot. Gard. Bull. 8: 85-94 S. 1920
 no. 7
- New Zeal. Journ. Agr.
 Cockayne, Leonard
 Plant indicators, a new link between science and practice
 in agriculture and forestry New Zeal. Journ. Agr. 21:
 67-73 illus. Ag. 1920 no. 2
- Hyde, W. C.
 Orchard experiments in Stoke district New Zeal. Journ.
 Agr. 21: 81-83 Ag. 1920 no. 2
 1. Control of brown-rot fungus in stone-fruit trees; self-
 boiled lime-sulphur versus lime-sulphur with additional milk-
 of-lime. 2. Control of leaf-hopper. 3. Control of black-spot
 fungus. no. 2
- Notes R. Bot. Gard. Edinb.
 Balfour, I. B.
 New species of rhododendron IV Notes R. Bot. Gard. Edin-
 burgh 12: 85-186 Mr. 1920 nos. 57/58.
- Pharm. Journ.
 Greenish, H. G.
 The production of gum acacia Pharm. Journ. 105: 265-
 266 illus. S. 11, 1920 no. 2569
 A. senegal
- Phytopath.
 Bonar, Lee
 Wilt of white clover, due to *Brachyспорium trifolii* Phyto-
 path. 10: 435-441 illus. 0.1920 no. 10
 B. trifolii sp. nov.
- Hibert, E. E.
 Observations on *Cytospora chrysosperma* in the northwest
 Phytopath. 10: 442-447 0.1920 no. 10
- Lee, H. A.
 Mr. Koichiro Kawakami Phytopath. 10: 459 0.1920
 no. 10
- Stillinger, C. R.
 Apple black rot (*Sphaeropsis malorum* Berk.) in Oregon Phy-
 topath. 10: 453-458 0.1920 no. 10
 Literature cited: p. 458.
- Thiel, A. F. & F. Weiss
 The effect of citric acid on the germination of the telio-
 spores of *Puccinia graminis tritici*. Phytopath. 10: 439-452
 0.1920 no. 10
 Literature cited: p. 452
- Proc. & Trans. Roy. Soc. Canada
 Derick, C. M.
 Two plant associations from areas near Radville Saskatche-
 wan Proc. & Trans. Roy. Soc. Canada III, 13(IV): 67-73
 1920
 References: p. 73



Proc. & Trans. Roy. Soc. Canada

Thompson, W. P.

The inheritance of earliness and lateness in wheat
Proc. & Trans. Roy. Soc. Canada III, 13(V): 143-162 1920
Literature cited: p. 162

Victorin, F. M.

Recherche phytométrique sur la *Bartonia virginica* L.
Proc. & Trans. Roy. Soc. Canada III, 13(V): 103-116. 1920

Proc. Nat. Acad. Sci.

Coville, F. V.

The influence of cold in stimulating the growth of plants
Proc. Nat. Acad. Sci. 6: 434-435 Jy. 1920 no. 7

Rev. Agr. Com. y Trab. Habana

Cabrera, Teodoro

El cordoban y sus aplicaciones medicinales Rev. Agr.
Com., y Trab. Habana 3: 170-171 illus. Je. 1920
Tradescantia discolor

Rev. Gén. Bot.

Bonnier, G.

Nouvelles observations sur les cultures expérimentales à
diverses altitudes et cultures par semis Rev. Gén. Bot.
32: 306-326 illus., pl. 3-4 Ag. 1920 no. 380
I. Plantations de végétaux vivaces (anciennes cultures)
II. Cultures comparées faites par semis.

Rev. Sci.

Vuillemin, Paul

La fonction de l'organisation des êtres vivants Rev.
Scient. 58: 385-393 Jy. 1920 no. 13

Riv. Biol.

Borzi, Antonino

Intorno alla ecologia della disseminazione dell' *Oxalis*
cermua Tbg. Riv. Biol. 2: 267-272 My./Je. 1920 no. 3

Pantanelli, Enrico

Wilhelm Pfeffer (1845-1920) Riv. Biol. 2: 329-331.
port. My./Je. 1920 no. 3

Schweiz. Apoth. Zeit.

Casparis, P.

Ueber einige volkshelmmittel Turkestans Schweiz. Apoth.
Zeit. 58: 497-501 illus. S. 1920 no. 40

Science

Cheyney, E. G.

Preliminary investigation of *Ribes* as a controlling factor
in the spread of white pine blister rust. Science 52:
342-345 O. 8, 1920. no. 1345
Paper no. 209 Journ. Ser. Minn. Agr. Exp. Stat.

Earle, F. S.

An institution for tropical research Science 52: 363-
365 O. 15, 1920 no. 1346

Kirby, R. S. & H. E. Thomas

The take-all disease of wheat in New York State Science
52: 368-369 O. 15, 1920 no. 1346

Sci. Amer. Month.

Harvey, R. B.

Some enemies of the potato, interesting methods of disper-
sal of some parasitic fungi Sci. Amer. Month. 2: 120-122
illus. O. 1920 no. 2

Jones, D. F.

Sterility in animals and plants, hereditary lethal factors
which stop development when received from both parents
Sci. Amer. Month. 2: 117-119 illus. O. 1920 no. 2

Seed World

Sheehan, B. F.

Dodder in Idaho Seed World v. 8, no. 5 p. 26-28 illus.
S. 1920

1954 10/15/54 115-117 1000 1000-10
1000 1000-1000 1000 1000 1000-1000

1000 1000-1000
1000 1000-1000

1000 1000-1000
1000 1000-1000

Trop. Agr.

- Bryce, George
Diseases of sweet potato and manioc Trop. Agr. 55: 98-102 Ag.1920 no. 2
- Bryce, George
Loranthus eradication Trop. Agr. 26: 108-110 Ag. 1920 no.2
Dept. Agr. Ceylon, Leaf1.15
- Gadd, C. H.
A leaf break disease of coconuts Trop. Agr. 55: 106-108 pl. Ag.1920 no.2
Caused by a species of Botryodiplodia
- Padmanabha Pillai, T.
Cardamon pests Trop. Agr. 55: 102-106 Ag.1920 no. 2
Name of fungus not given

U.S.Dept. Agr. Bull.

- Hayes, H. K. & Harlan, H. V.
The inheritance of the length of internode in the rachis of the barley spike U.S.Dept. Agr. Bull. 869 26 p. ii pl. S.30,1920.
Literature cited: p. 25-26

Weekbl. Bloembollencult.

- Slogteren, E. van
De bestrijding van het aaltjesziek Weekbl. Bloembollencult. 31: 83-84 S.10,1920 no.21
In English
Warm water treatment of eelworm diseases of narcissus. Refuting charge that the Dutch stole method from English, accuses J. K. Ramsbottom, on the contrary of having information on the subject from him (Slogteren), but not giving credit for it.

Exper. Stat. Publ.

- Garman, Harrison
Report of the division of entomology and botany Ann. Rep. Kentucky Agr. Exp. Stat. 31: 45-51. 1918.
- Wolf, F. A.
Report of Division of plant pathology and bacteriology 1918/19 Ann. Rep. North Carolina Agr. Exp. Stat. 42: 65 1919
- Houser, True
Root rot of tobacco Month. Bull. Ohio Agr. Exp. Stat. 5: 232-234 Ag.1920 no. 8
- Walton, R. C.
The control of frog-eye on apple. Penn. Agr. Exp. Stat. Bull. 162 39 p. illus. My.1920
Physalopsis gydoniae (Sphaeropsis malorum)
- Hanson, Herbert C.
Key to the Malvaceous plants of Texas Texas Agr. Exp. Stat. Circ. 22 18 p. Ap.1920

Gartenw.

- Laubert, Richard
Befall von apfelblüten durch apfelmehltau Gartenw. 24: 258-259 illus. Jy.9, 1920.

New Books

- Britton, N.L. & Rose, J.N.
Cactaceae... v .2, 1920.
- Henry, Augustine
The Douglas firs: a botanical and silvicultural description of the various species of Pseudotsuga Proc. Roy. Irish Acad. 35: 67-92 pl.13-14
Bibliographical foot notes
Reprinted 1920.
- Lillo, Miguel
Resena fitogeografica de la provincia de Tucuman 1919.

New Books

Mattirolo, Oreste
I vegetali alimentari spontanei del Piemonte 1919.

U.S. Tariff commission
The crude botanical drug industry Washington, 1920
69 p. (Tariff Information series no. 19)

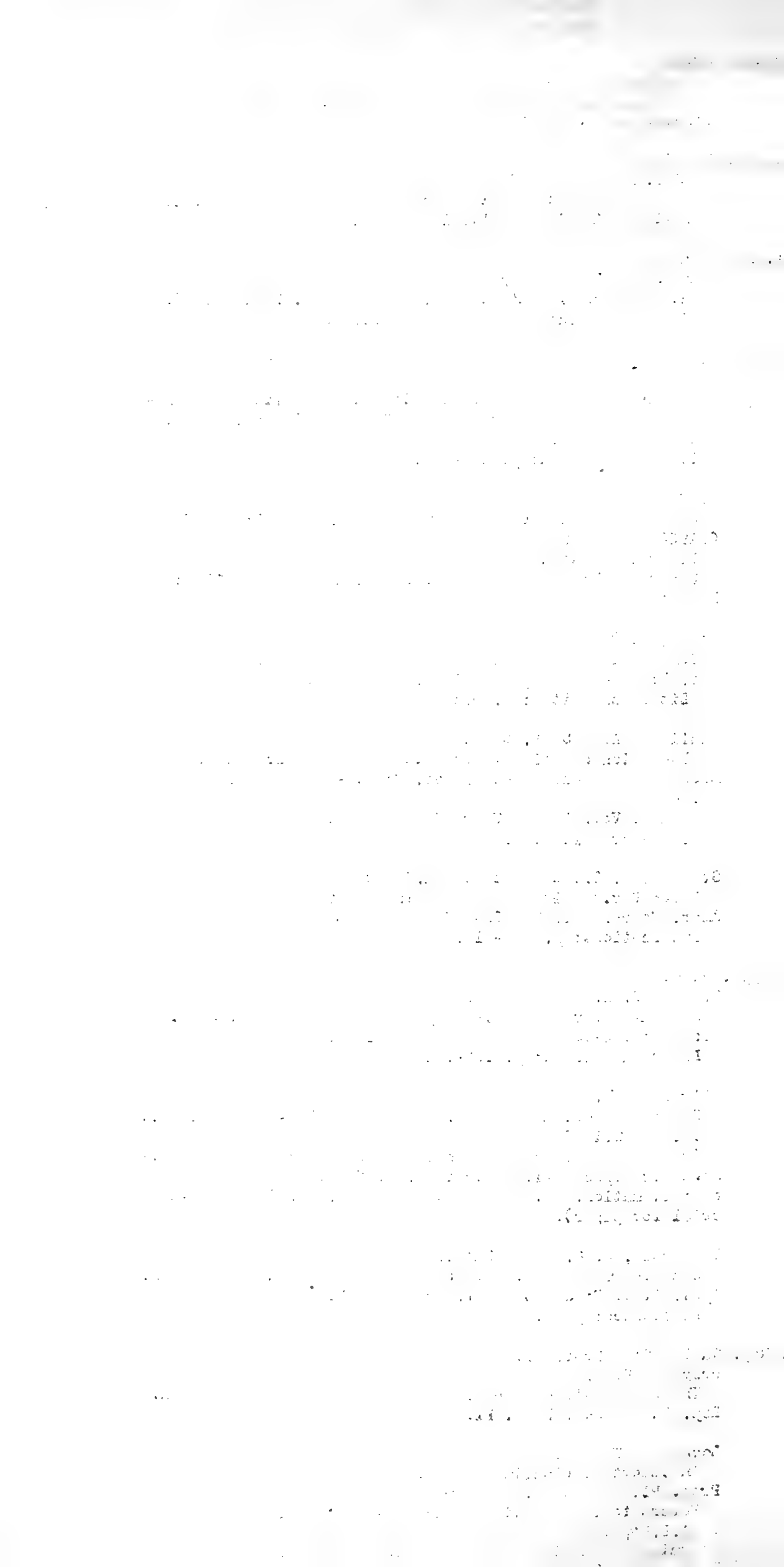
Translations

Jensen, M. C.
F. Kolpin Ravn
Transla. from Politikken for May 29, 1920 see B.P.I.
files.

Sawada, Kaneyoshi
Investigations of the paddy seedling decay in Formosa.
Disease caused by *Achlya proliferata*

Transl. of article in Spec. Bull. 3 Formosa Agr. Exp. Stat.
Ja. 1912 (furnished by Dr. Sawada) see B.P.I. files.

- Agric. Colon.
Cillis, E de
Itinerari della Cirenaica Agric. Colon. 14:
353p366 pl. S.1920 no.9
- Agr. Gaz. Canada
McCallum, A W
The nature and aims of forest pathology Agr. Gaz.
Canada 7: 737-738 S.1920 no.9
- Amat. Photogr.
Crabtree, J H
Photography in the greenhouse Amat. Photogr. 50:
267-268 illus. O.1920 no.1665
- Amer. Journ. Bot.
Lewis, Ivey F & Conway Zirkle
Cytology and systematic position of *Porphyridium cruentum*
Naegeli Amer. Journ. Bot. 7: 333-340 pl. xx-xxi
O.1920 no.8
Literature cited: p. 339-340.
- Reed, H. S.
Slow and rapid growth. Amer. Journ. Bot. 7: 327-332
O.1920 no.8
Literature cited: p. 332
Paper 70, Univ. Calif. Grad. School Trop. Agr. & Citrus
Exp. Stat.
- Sharp, L. W.
Somatic chromosomes in *Tradescantia* Amer. Journ.
Bot. 7: 341-354 pl. xxii-xxiii O.1920 no.8
Literature cited: p. 353
- Shull, C. A. & S. P. Shull
Absorption of moisture by gelatin in a saturated at-
mosphere Amer. Journ. Bot. 7: 318-326 O.1920
no. 8
Contr. Bot. Labor. Univ. Kentucky no.3
Literature cited: p. 326
- Stevens, F. L., L.H. Pammel & M.T. Cook
Byron David Halsted, June 7, 1852 - August 28, 1918
Amer. Journ. Bot. 7: 305-317 O.1920 no.8
Publications: p. 306-317.
- Ann. Appl. Biol.
Briggs, G. E., F. Kidd & C. West
A quantitative analysis of plant growth Ann. Appl.
Biol. 7: 103-123 no.1 S.1920.
Literature cited: p. 122-123.
- Oliver, F. W.
Spartina problems Ann. Appl. Biol. 7: 25-39 illus.,
pl. ii S.1920 no.1
Origin of *Spartina townsendii*. - Occurrence and ecology. -
Economic aspects (1. Navigation. 2. *Spartina* as an agent
of reclamation. 3. As a feed for stock. 4. As a raw mat-
erial for paper).
- Sanderson, A. H. & H. Sutcliffe
Sphaeronema sp. (mouldy rot of the tapped surface) Ann.
Appl. Biol. 7: 56-65 pl. iv-vii S.1920
References: p.63.
- Ann. Rep. Quebec Soc. Prot. Pl.
Drayton, F. L.
The essentials of a Dominion plant disease survey Ann.
Rep. Quebec Soc. Prot. Pl. 12: 31-33 1920
- Lochhead, William
An important bioclimatic law. Ann. Rep. Quebec Soc.
Prot. Pl. 12: 50-53. 1920
Refers to law "amplified and applied to this continent"
by A.D. Hopkins in his "Periodical events and natural law
as guides to agricultural research and practice" Month.
Weath. Rev. Suppl. 9.



Ann. Rep. Quebec Soc. Prot. Pl.

Maheux, Georges

Spraying to increase potato production
Quebec Soc. Prot. Pl. 12: 43-46 1920.

Ann. Rep.

Atti Ist. Bot.R. Univ. Pavia

Pollaci, Gino

In ricordo di Giovanni Briosi Atti Ist. Bot. R.
Univ. Pavia 17: iii-xvii port. 1920

Pubblicazioni di Giovanni Briosi in ordine cronologi-
co: p. viii-xvii

Polacci, Gino

Sul carbonio delle piante verdi Atti Ist. Bot. R.
Univ. Pavia II, 17: 29-51 illus. 1920
Signed May 1917.

Ber. Deut. Bot. Ges.

Fitting, Hans

Hermann Vöchting Ber. Deut. Bot. Ges. 37 (II. Gen.-
versamml.-h.): (41)-(77) port. Jy.1920

Verzeichnis der arbeiten von Hermann Vöchting: p. (75)-
(77)

Jahn, Eduard

Lebensdauer und alterserscheinungen eines plasmodiums.
Myxomycetenstudien nr. 10 Ber. Deut. Bot. Ges. 37
(Gen.-versamml.-h.): (18)-(33) Ap.1920
Literature: p. (33).

Kniep, Hans

Ernst Stahl Ber. Deut. Bot. Ges. 37 (Gen.-versamml.-
h.): (85)-(104) port. Jy.1920

Schriften von Ernst Stahl: p. (102)-(104).

Pabisch, H.

O. Tunmann Ber. Deut. Bot. Ges. 37 (Gen.-ver-
samml.-h.): (77)-(84) Jy.1920

Verzeichnis der originalarbeiten des o.ö. Univ.- Prof.
Dr. O. Tunmann: p. (80)-(84).

Blatt. Zuckerrübenb.

Stift, A.

Bemerkenswerte mitteilungen über das auftreten von tier-
ischen feinden und krankheiten der zuckerrübe im jahre 1919
Blätt. Zuckerrübenb. 27: 96-99 Je.1920 no. 11/12.

Bot. Gaz.

Brown, J. G.

Subcortical formation and abnormal development of stom-
ata in etiolated shoots of Opuntia blakeana Bot. Gaz.
70: 295-307. illus., pl. xxvii-xxx O.1920 no.4
Literature cited: p. 292-293.

Child, C. M. & A.W. Bellamy

Physiological isolation by low temperature in Bryophyl-
lum Bot. Gaz. 70: 249-267 illus. O.1920 no.4
Literature cited: p. 266-267.

Cribbs, J. E.

Early stem anatomy of Todea barbara Bot. Gaz. 70:
279-294 pl. xxiii-xxvi O.1920 no.4
Literature cited: p. 292-293.

LaRue, Carl D.

Isolating single spores Bot. Gaz. 70: 319-320 il-
lus. O.1920 no.4

McCool, M. M. & C.E. Millar

Use of dilatometer in studying soil and plant relation-
ships Bot. Gaz. 70: 317-319 O.1920 no.4

MacDougal, D. T. & H.A.Spoehr

Swelling of agar in solutions of amino acids and related
compounds Bot. Gaz. 70: 268-278 O.1920 no.4

Magness, J. R.

Composition of gases in intercellular spaces of apples
potatoes. Bot. Gaz. 70: 308-316 illus. O.1920 no.4

- Bull. Dept. Agr. Trinidad & Tobago
Nowell, William
Report on a visit to Trinidad in connection with frog-
hopper blight of sugar-cane. Bull. Dept. Agr. Trin-
idad & Tobago 19: 11-18 1920 no.1
- Nowell, William & C.B. Williams
Sugar cane blight in Trinidad. A summary of conclu-
sions. Bull. Dept. Agr. Trinidad & Tobago 19: 8-10
1920 no.1
Prepared as a preliminary report on investigations in
1919.
- Williams, C. B.
The mosaic disease of sugar cane in Trinidad. Bull.
Dept. Agr. Trinidad & Tobago 19: 30-37 1920 no.1
- Bull. Gard. Club Amer.
Garden Club of America.
Quarantine no.37- Resolution: Bull. Gard. Club Amer.
n.s. 4: 52. My.1920.
- Koster, P. M.
The effect of quarantine no.37 upon the nurseries of
Holland Bull. Gard. Club Amer. n.s., 4: 28-30
My.1920.
- Protest against quarantine 37, statements regarding
Federal horticultural board quarantine 37, presented at
the Horticultural conference, June 15, 1920 Bull.
Gard. Club Amer. n.s., 6: 24-27 S.1920
Statement of Mr. W.C. Burrage- Statement of Professor
Sargent.- Another view of quarantine 37 from Dr. Robert
T. Morris.
- Wister, J. C.
Present condition of the nurseries of France and Eng-
land Bull. Gard. Club Amer. n.s., 4: 13-22 My.
1920.
Criticism of Fed.Hort.Bd. Quarn. Order 37, p. 21-22.
- Bull. Misc. Inform. Kew .
Bean, W. J.
The arboretum and pinetum at Bickton Bull. Misc.
Inform. Kew 1920 p. 268-275 no.8
- Hutchinson, John
Bocconia and Macleaya Bull. Misc. Inform. Kew 1920
p. 275-282 illus. no.8
- Portal, M.
Abraham's oak Bull. Misc. Inform. Kew 1920 p.257-
258 pl. no.8
- Stapf, Otto
The botanical history of the "Sindian" and the age of
Abraham's oak. Bull. Misc. Inform. Kew 1920 p.258-
264 no.8
"Sindian", Quercus calliprinos.
- Turrill, W. B.
Arceuthobium oxycendri and its distribution Bull.
Misc. Inform. Kew 1920 p. 264-268. no.8
- Bull. Mus. Hist. Nat. Paris
Benoist, Raymond
Plantes récoltées par M. E. Wagner en République Argen-
tine Bull. Mus. Hist. Nat. Paris 26: 655-661. 1919.
no.7
- Camus, Aimée
Espèces et variétés nouvelles de graminées de l'Asie or-
ientale. Bull. Mus. Hist. Nat. Paris 26: 669-672
1919 no.7
- Camus, Aimée
Note sur le Vetiveria zizanioides Stapf (graminées)
Bull. Mus. Hist. Nat. Paris 26: 673-674 1919 no.7

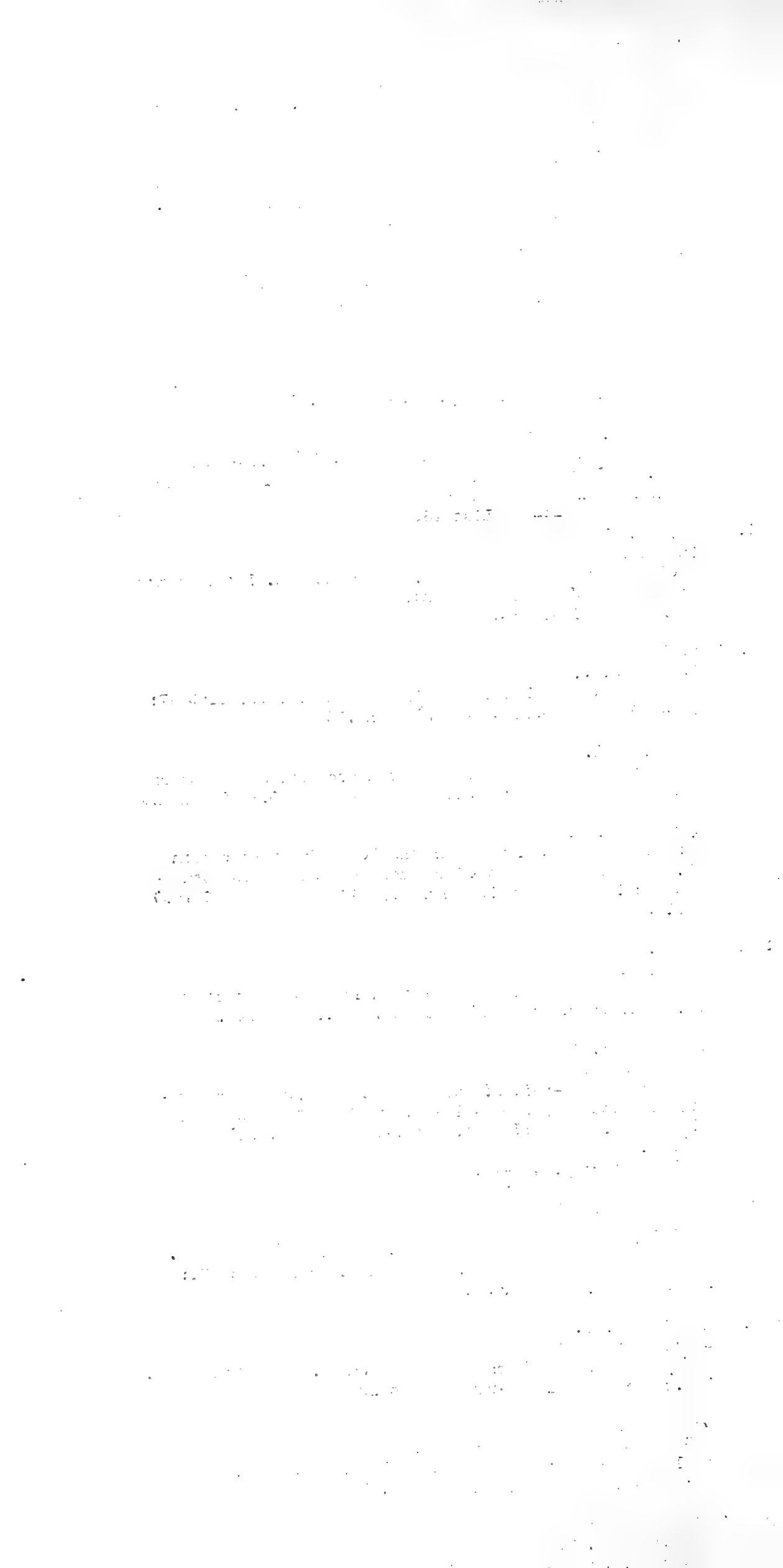
The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be supported by a valid receipt or invoice. This ensures transparency and allows for easy verification of the data.

In the second section, the author details the various methods used to collect and analyze the data. This includes both manual and automated processes. The goal is to ensure that the information gathered is both reliable and comprehensive.

The third part of the report focuses on the results of the analysis. It shows a clear upward trend in the data over the period studied. This suggests that the implemented measures are having a positive impact on the overall performance.

Finally, the document concludes with a series of recommendations for future work. It suggests that further research should be conducted to explore the long-term effects of the current strategies. Additionally, it recommends regular audits to ensure that the data remains accurate and up-to-date.

- Bull. Mus. Hist. Nat. Paris
Eberhardt, Philippe
Sur un variété indochinoise du *Quisqualis indica*
Bull. Mus. Hist. Nat. Paris 26: 675-676. 1919 no.7
Q. indica annamensis.
- Gérôme, Joseph
Essais de culture de pommes de terre avec des tubercules appauvris ou anormaux (1919) Bull. Mus. Hist. Paris 26: 677-681. 1919 no.7
- Guillaumin, André
Contribution à la flore de la Nouvelle-Calédonie
xxviii Bull. Mus. Hist. Nat. 1919 p. 645-652 1919 no.7
- Jeanpert, Edouard
Énumération des plantes de Macédoine Bull. Mus. Hist. Nat. Paris 1919 p. 662-668 no.7
- Pellegrin, François
Note sur le banda rouge et sur un ombéga du Gabon
Bull. Mus. Hist. Nat. Paris 26: 653-654 1919 no.7
Sindora klaineana Pierre
- Bull. Soc. Path. Vég. France
Puttemans, Arsène
Gloeosporium bombacis n.sp. Bull. Soc. Path. France
7: 74-75 Jy./S.1920 no.3
On *Bombax insignis.*
- Bull. Torr. Club
Arthur, J. C.
New species of Uredineae XII Bull. Torr. Club 47:
465-480 O.1920 (Nov.) no.10
- Carey, C. L.
A method of preparation and some properties of a starch gel
Bull. Torr. Club 47: 455-463 O.1920 no.10
- Rydberg, P. A.
Phytogeographical notes on the Rocky Mountain region
IX. Wooded formations of the montane zone of the southern Rockies. Bull. Torr. Club 47: 441-454 O.1920 no.10.
- Calif. Citrogr.
Young, F. D.
Smoke cover and direct radiation in frost protection
Calif. Citrogr. 6: 6, 40 illus. N.1920 no.1
- Centralbl. Bakt. Abt. II
Riehm, Eduard
Getreidekrankheiten. Eine Zusammenstellung der wichtigeren in den Jahren 1915-1918 veröffentlichten Arbeiten
Centralbl. Bakt. II, abt. 51: 449-490 Ag.1920 no. 21/25.
Literatur: p. 485-490.
- Compt. Rend. Acad. Sci. Paris
Chevalier, Auguste
Sur l'origine des pommiers à cidre cultivés en Normandie et en Bretagne Compt. Rend. Acad. Sci. Paris 171:
521-523 1920 no.11
- Compt. Rend. Soc. Biol. Paris
Guilliermond, Alexandre
À propos de la métachromatine Compt. Rend. Soc. Biol. Paris 83: 859-861 1920 no.19
- Guilliermond, Alexandre
Sur les relations entre le chondriome des champignons et la métachromatine Compt. Rend. Soc. Biol. Paris
83: 855-858 illus. 1920 no.19
- Contr. U. S. Nat. Herb.
Hitchcock, A. S.
Revisions of North American grasses: *Isachne*, *Oplismenus*, *Echinochloa* and *Chaetochloa*. Contr. U.S. Nat. Herb.
v.22, pt.2 p.115-208 illus., pl. 25-32 1920



Curt. Bot. Mag.

Curt. Bot. Mag. s.4, v.16 col.pl. 8852-8862 Jy./S.1920.
 Nuphar polysepalum 2 p. col.pl. 8852
 Pleurothallis grandis 2 p. col.pl. 8853
 Cotoneaster serotina 2 p. col.pl. 8854
 Daphne tangutica 2 p. col.pl. 8855
 Coelogyne integerrima 2 p. col.pl. 8856
 Berberis atrocarpa 2 p. col.pl. 8857
 Allium sikkimense 2 p. col.pl. 8858
 Sabia latifolia 2 p. col.pl. 8859
 Acacia spectabilis 2 p. col.pl. 8860
 Arisaema fargesii 2 p. col.pl. 8861
 Stranvaesia salicifolia 2 p. col.pl. 8862

Ecology

Adams, Charles & others
 Plants and animals of Mount Marcy, New York. Part II
 Ecology 1: 204-233 illus. Jy.1920. no.3

Bailey, I. W.
 Some relations between ants and fungi Ecology 1:
 174-189 pl. v-viii Jy.1920 no.3
 Literature cited: p. 186-188.

Harper, R. M.
 The limestone prairies of Wilcox county, Alabama
 Ecology 1: 198-203 illus. Jy.1920.

Pearson, G. A.
 Factors controlling the distribution of forest types
 Pt.I Ecology 1: 139-159 illus. Jy.1920. no.3

Wherry, E. T.
 Soil acidity and a field method for its measurement.
 Ecology 1: 160-173 col.pl. Jy.1920 no.3

Econ. Proc. Roy. Dublin Soc.

Pethybridge, G. H.
 Is it possible to distinguish the seeds of wild white
 clover from those of ordinary white clover by chemical
 means during a germination test. Econ. Proc. R. Dub-
 lin Soc. 2: 248-258 My.1914 no.14.

Flora

Wisselingh, C. van
 Untersuchungen über osmose. Flora 113: 359-421
 illus. 1920 no.4
 Eigegangene literatur: p. [421] no.4

Flow. Grow.

Clute, W. N.
 Naming flowers Flow. Grow. 7: 171 N.1920 no.11

Gersdorff, C. E. F.
 The history of the rose in America Flow. Grow. 7:
 169-170 illus. N.1920 no. 11

Garden

Bowles, E. A.
 Clematis chrysocoma Garden 84: 491 Oct.2, 1920
 no. 2550.

Jackson, A. B.
 Picea spinulosa Garden 84: 492 illus. Oct.2, 1920

Maxwell, Sir Hubert
 Musisia decurrens Garden 84: 490 Oct.2, 1920
 no. 2550

Ward, F. K.
 Primulas on the north-east frontier of Burma II Garden
 84: 489-490, 500 Oct.2, 9, 1920. no. 2550.

Gard. Chron.

Farrer, Reginald
 Mr. Reginald Farrer's second exploration in Asia. no.
 22 Autumn flowers Gard.Chron.III, 68: 168 O.2,1920
 no. 1762.

11. 11. 1944. 11. 11. 1944. 11. 11. 1944.

12. 12. 1944. 12. 12. 1944. 12. 12. 1944.

13. 13. 1944. 13. 13. 1944. 13. 13. 1944.

14. 14. 1944. 14. 14. 1944. 14. 14. 1944.

15. 15. 1944. 15. 15. 1944. 15. 15. 1944.

16. 16. 1944. 16. 16. 1944. 16. 16. 1944.

17. 17. 1944. 17. 17. 1944. 17. 17. 1944.

18. 18. 1944. 18. 18. 1944. 18. 18. 1944.

19. 19. 1944. 19. 19. 1944. 19. 19. 1944.

20. 20. 1944. 20. 20. 1944. 20. 20. 1944.

21. 21. 1944. 21. 21. 1944. 21. 21. 1944.

22. 22. 1944. 22. 22. 1944. 22. 22. 1944.

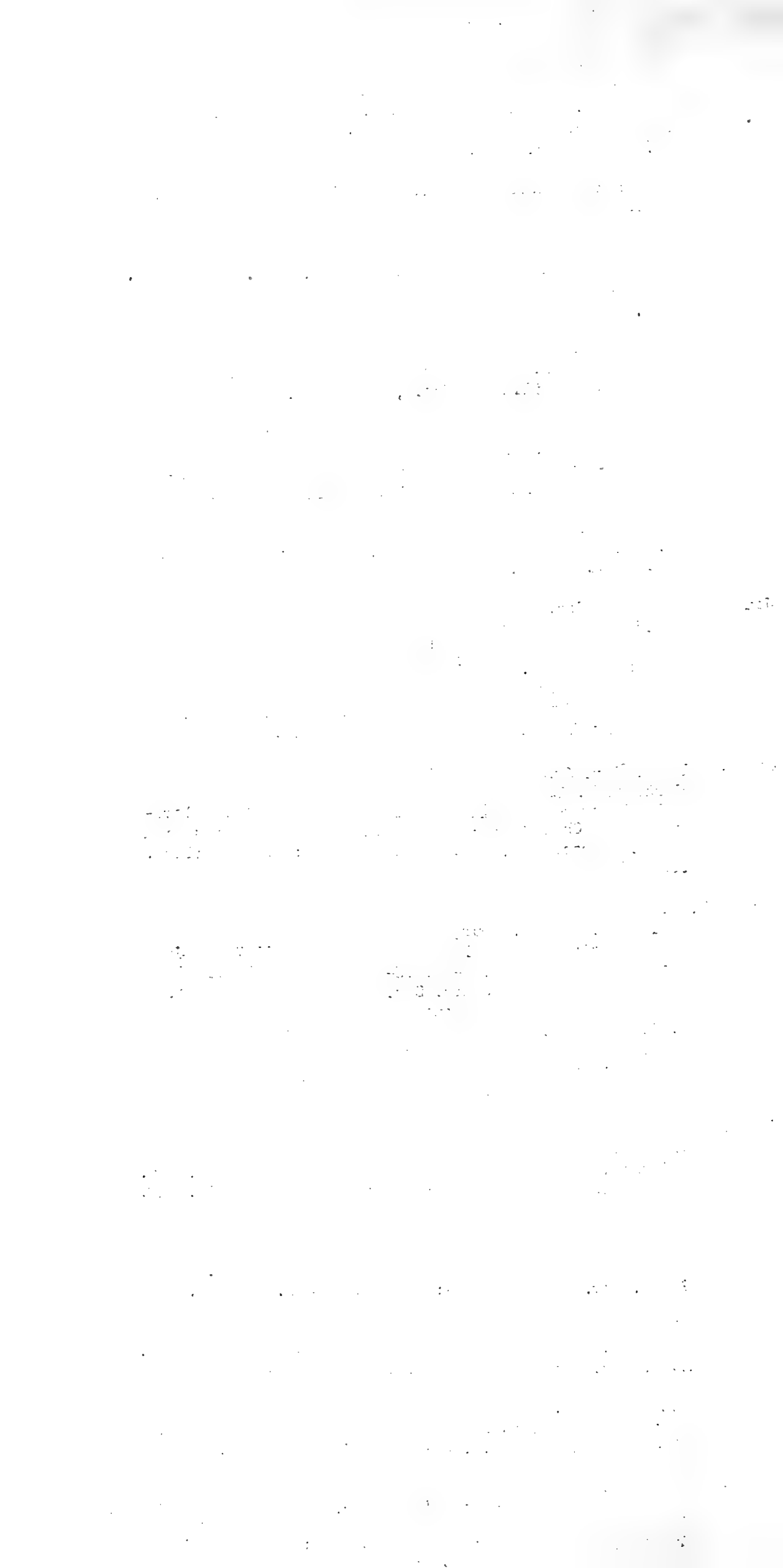
23. 23. 1944. 23. 23. 1944. 23. 23. 1944.

24. 24. 1944. 24. 24. 1944. 24. 24. 1944.

25. 25. 1944. 25. 25. 1944. 25. 25. 1944.

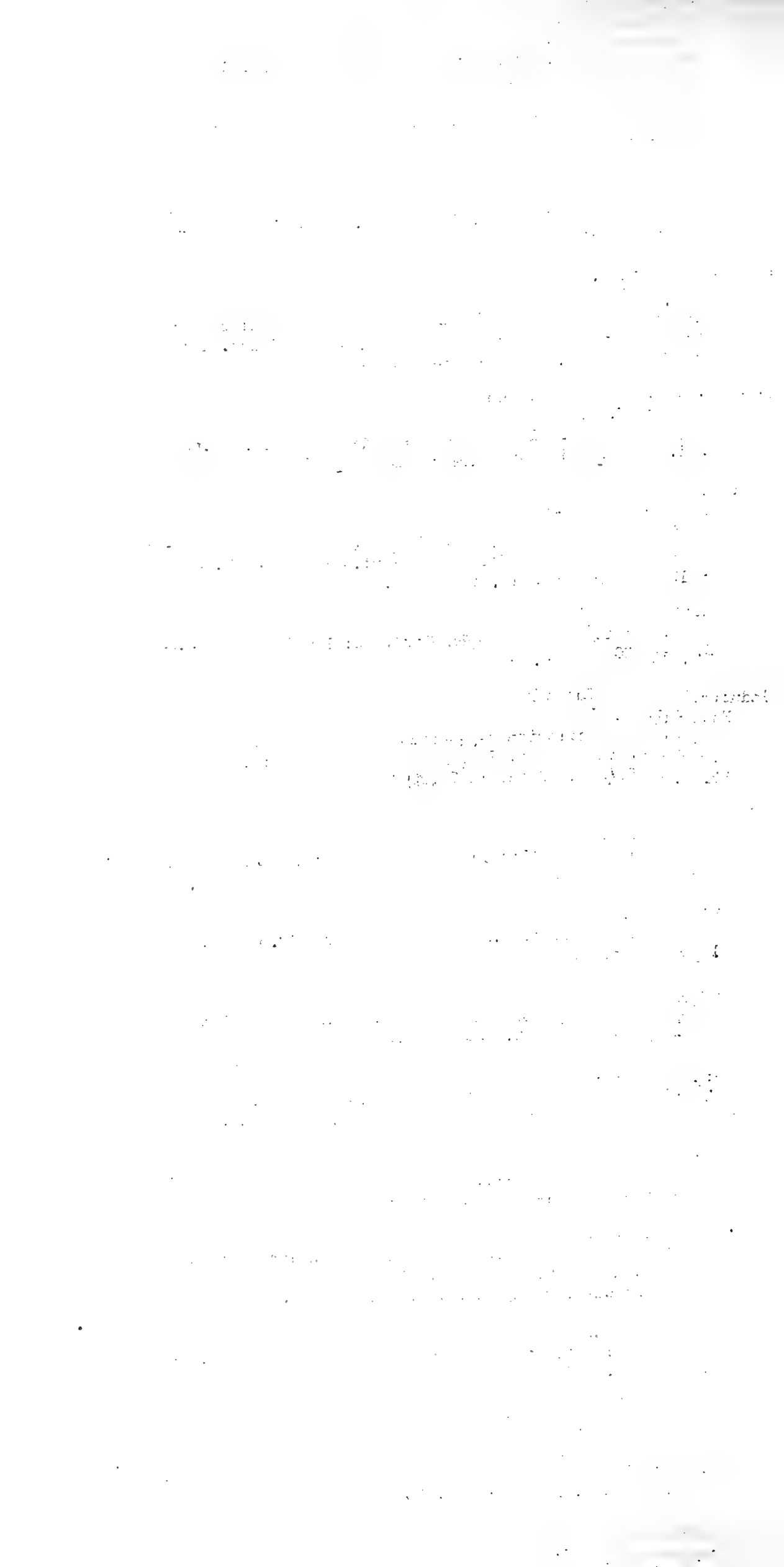
26. 26. 1944. 26. 26. 1944. 26. 26. 1944.

- Gard. Chron.
Henry, Augustine
The names of conifers (concl.) Gard.Chron.III, 68:
168-169 O.2,1920 no.1762.
- Henry, Augustine
Sports and varieties of trees: a new sport of the
lime tree. Gard.Chron.III, 68: 180 illus. Oct.9,
1920 no.1763
Tilia vulgaris var. candida
- Quarantine no.37. Gard.Chron. III, 68: 163. Oct. 2,
1920.
- Weyer, W. van de
Hybrid Buddleias Gard.Chron.III, 68: 181 illus.
Oct. 9, 1920 no.1763
- Gard. Illus.
Markham, E.
The Clematis: its absence from gardens Gard. Illus.
42: 559-560 illus. Oct.9,1920 no.2170
- Gard. Mag.
Harshberger, J. W.
The old gardens of Pennsylvania II. Humphrey Mar-
shall's Gard. Mag. 32: 137-139 illus. N.1920 no.3
- White, A. D.
Creating a new fruit Gard. Mag. 32: 156-158 il-
lus. N.1920 no.3
- Journ. Amer. Chem. Soc.
Jedidi, Samuel Lee
A mosaic disease of cabbage as revealed by its nitro-
gen constituents. Journ. Amer. Chem. Soc. 42: 1883-
1892 S.1920 no.9
With the cooperation of S.C. Moulton & K.S. Markley
Abstracts in Science 52: 415 O.29,1920
- Journ. & Proc. Roy. Soc. West Austr.
Herbert, D. A.
The Western Australian Christmas tree, Nuytsia flori-
bunda (the Christmas tree) its structure and parasitism
Journ. & Proc. Roy. Soc. West. Austr. 5: 72-88 illus.
1920
- Journ. Biol. Chem.
Bailey, C. H. & A.M.Gurjar
Respiration of cereal plants and grains II-V Journ.
Biol. Chem. 44: 5-7, 9-12, 13-15, 17-18 Oct.1920
Paper 204-207 Journ. Ser. Minn. Agr. Exp. Stat.
II. Respiration of sprouted wheat
III. Respiration of paddy and milled rice
IV. The respiration of frosted wheat plants
V. Note on the respiration of wheat plants infected
with stem rust.
- Journ. R. Hort. Soc.
Allwood, M. X.
Carnations - their pests and diseases. Journ. Roy.
Hort. Soc. 84: 233-236 plates (fig. 35-38) Jy.1920.
no.2/3.
- Bickerton, A. W.
On the relation of botany to science in general
Journ. Roy. Hort. Soc. 84: 298-300 Jy.1920 no.2/3.
- Bliss, A. J.
Mendelian characters in bearded irises Journ. Roy.
Hort. Soc. 45: 289-292 Jy.1920 no.2/3
- Bunyard, E. A.
Cob-nuts and filberts Journ. Roy. Hort. Soc. 45:
224-232 plates (fig. 27-34) Jy.1920 no.2/3.
- Gough, G. C.
Wart disease of potatoes (*Synchytrium endobioticum*, Perc.)
A study of its history, distribution and the discovery of
immunity Journ. Roy. Hort. Soc. 45: 301-312 Jy.1920



- Journ. R. Hort. Soc.
Jackson, B. D.
Pritzel's index Journ. R. Hort. Soc. 45: 14-21.
O.1919 [Rec'd Ap.1920] no. 1
- Jacob, Joseph
Freeseias and lachenalias Journ. Roy. Hort. Soc.
45: 29-38 O.1919 [Rec'd Ap.1920] no. 1
- Gibbs, Vicary
Oaks at Aldenham Journ. Roy. Hort. Soc. 45: 155-
223 plates (fig. 15-26) Jy.1920 no.2/3.
- Rawes, A. N. & F.J. Chittenden
Effect of grass on apple trees Journ. Roy. Hort.
Soc. 45: 116-119 O.1919 [Rec'd O.1920] no. 1
Contr. Wisley Lab. XXXV.
- Russell, E. J.
The partial sterilization of soils Journ. Roy.
Hort. Soc. 45: 237-246 plates (fig. 39-45) no.2/8
Jy.1920.
- Salmon, E. S.
The growing of clean fruit Journ. Roy. Soc.
Hort. 45: 66-71 O.1919 [Rec'd Ap.1920] no. 1
1. Control of disease by breeding. 2. Control of
disease by planting and cultivation. 3. Control of
disease by direct methods other than spraying. 4. Con-
trol of disease by spraying.
- Naturw. Wochenschr.
Fischer, Hugo
Orthogenesis, mutation, auslese. Naturw. Wochenschr.
n.f., 19: 561-566 S.5,1920 no.36
- New Phytol.
Gates, R. R.
Mutations and evolution (VI) New Phytol. 19: 172-
188 Jy./O,1920 no. 7/8
- Matthews, J. R.
Hybridism and classification in the genus Rosa New
Phytol. 19: 153-171 Jy./O,1920 no. 7/8
References: p. 171
- Priestley, J. H.
The mechanism of root pressure New Phytol. 19: 189-
200 illus. Jy./O,1920 no. 7/8
References: p. 199-200
- Small, James
Preliminary notes on additional evidence for the hy-
dron differentiation theory of geotropism. New Phytol.
19: 208-212 illus. Jy./O,1920 no. 7/8
References: p. 212
I. On the reversal of geotropic curvature in the stem,
by J. Small and M.W.Rea. II. On the angle of blance
in roots, stems and leaves, by J. Small and M.J.Lynn.
III. A theory of the origin of leaves, by J. Small.
- West, Cyril , G.E.Briggs & F. Kidd
Methods and significant relations in the quantitative
analysis of plant growth New Phytol. 19: 200-207
Jy./O,1920 no.7/8
Literature cited: p. 207
- Philipp. Agr.
Reyes, G. M.
Storage-rots caused by Diplodia Philippine Agr. 8:
235-260 F.1920 (Rec'd S.1920 no.7
Bibliography: p. 259-260
- Philipp. Journ. Sci.
Espino, R. B.
Some aspects of the salt requirements of young rice
plants Philipp. Journ. Sci. 16: 455-525 pl. My.
1920 (Rec'd Nov.) no. 5
Bibliographical foot notes

- Philipp. Journ. Sci.
Merrill, E. D.
On the identity of *Aegiphila viburnifolia* Jussieu
Philipp. Journ. Sci. 16: 449-451 pl. My.1920
(Rec'd Nov.) no.5
Elaeodendron viburnifolium (Juss.) Merr.
Evonymus cochinchinensis Pierre replace *E. viburnifolius*.
- Reinking, O. A.
Higher Basidiomycetes from the Philippines and their hosts III
Philipp. Journ. Sci. 16: 527-537 My. 1920 (Rec'd Nov.) no. 5
- Queensl. Agr. Journ.
White, C. T.
The white cedar (*Melia azederach* var. *australasica*): a plant poisonous to pigs
Queensl. Agr. Journ. 14: 146-147 illus. S.1920. no.3
- Rep. Dept. Sci. & Agr. Brit. Guiana
Bodkin, G. E.
[Report of] biological division 1918 Rep. Dept. Sci. & Agr. Brit. Guiana 1918: 55-62 1920
- Rev. Hort.
Guillaumin, André
Citranges, limonanges, satsumanges (hybrides agrumifères issus du *Citrus trifoliata*) (cont.)
Rev. Hort. 82: 157-159 illus. S.16, 1920 no.9
- Mottet, Seraphim
Les benoîtés
S.16, 1920 no.9
Rev. Hort. 92: 160 col.pl.
- Rev. Industr. y Agr. Tucumán
Fawcett, G. L.
Algunas descripciones autorizadas de cañas .. originales de Java
Rev. Ind. y Agr. Tucumán. 8: 195-214 illus. F./Mr.1918 (Rec'd O.1920)
- Rhodora
Chase, V. H.
Francis Eugene M'Donald
S.1920 no.260
Rhodora 22: 145-146 port.
- Coburn, L. H.
Marsilea quadrifolia in Maine
S.1920 no.260.
Rhodora 22: 156 S.
- Fernald, M.L.
Gaultheria procumbens L. forma suborbiculata
S.1920 no.260
Rhodora 22: 155-156
- Fernald, M.L.
Lactuca hirsuta Muhl. forma calvifolia n.f. foliis subtus glabris
S.1920 no.260.
Rhodora 22: 156
- St. John, Harold
A teratological specimen of *Aralia hispida*
S.1920 no.260.
Rhodora 22: 152-153.
- Svenson, H. K.
A northeastern variety of *Panicum*
S.1920 no.260
Rhodora 22: 153-155 illus.
P. dichotomiflorum Michx. var. *puritanorum*.
- Wiegand, K. M.
Additional notes on *Amelanchier*.
S.1920 no.260.
Rhodora 22: 146-151
- Schrift. Ver. Gesch. u. Gesch. u. Naturgesch. Baar
Schmalz, Hubert
Die Nutzpflanzen der Baar und ihre praktische Verwertung.
Schrift. Ver. Gesch. u. Naturgesch. Baar u. Angrenz. Landest. Donauesch. 14: 1-56 1920.
- Schweiz. Apoth. Zeit.
Casparis, P. & R. Wacker
Ueber einige volksheilmittel Turkestans
S.7, 1920 no.41
Schweiz. Apoth. Zeit. 58: 512-515



Science

Blakeslee, A. F., J. Belling & M.E.Farnham
Chromosomal duplication and mendelian phenomena in
Datura mutants Science 52: 388-390 0.22, 1920.
no. 1347

Scient. Amer.

Von Blon, J. L.
California's seaweed industry Scient. Amer. 123:
445, 458 illus. Oct.30, 1920 no.18

Sugar Centr. & Plant. News

Lee, H. A.
Sugar cane smut Sugar Centr. & Plant. News v.1,
no.13, p. 21-24, 28. illus, S.1920
Ustilago sacchari
In English and Spanish

Till. C Landbruks Dept. Aarsb.

Schøyen, T. H.
Beretning om skadeinsekter og plantesygdomme i land-
og havebruget 1919 Till. C Landbruks Dep. Aarsb.
1919 p. C1-C52 illus. 1920

Torreya

Andrews, E. F.
Habits and habitats of the North American resurrection
fern. Torreya 20: 91-96 illus. S./O.1920 no.5

Cockerell, T. D. A.
A new form of Stanleya Torreya 20: 101-102 S./O.
1920 no.5
S. glauca latifolia

Hastings, G. E.
The vegetation of a cinder field. Torreya 20: 96-
100 S./O.1920 no.5

Howe, M. A.
Dr. Frank Shipley Collins. Torreya 20: 106 S./O.
1920 no.5

Trans. & Proc. Calif. Assoc. Nurserym.

Shamel, A. D.
Bud selection: are we far enough along to show con-
clusive results Trans. & Proc. Calif. Assoc. Nur-
serym. 8/9 (1919): 23-33 1920

U. S. Dept. Agr. Circ.

Hansen, A. A.
The hawkweeds, or paintbrushes U.S. Dept. Agr.
Circ. 130 7 p. illus. O.1920

U. S. Dept. Agr. Farm. Bull.

Brooks, Charles, Cooley, J.S. & Fisher, D.F.
Diseases of apples in storage U.S. Dept. Agr. Farm.
Bull. 1160 24 p. illus. S.1920.

Grant, C.V. & Hansen, A.A.

Poison ivy and poison sumac and their eradication
U.S. Dept. Agr. Farm. Bull. 1166 16 p. illus. O.
1920

Vict. Nat.

Audus, J. W.
Through the Murra Murra country (western Grampians)
Vict. Nat. 37: 59-65 S.1920 no.5

Exper. Stat. Publ.

Clinton, G. P.
New or unusual plant injuries and diseases found in
Connecticut 1916-19 Conn. Agr. Exp. Stat. Bull.
222: 396-482 pl. xxxiii-lvi Ag.1920

Edgerton, C. W.

A method of selecting L 511 cane free of the mosaic
disease for planting purposes. Louisianan Agr. Exp.
Stat. Bull. 176 7 p. S.1920

Exper. Stat. Publ.

Bisby, G. R. & A.G. Tolass
 Potato diseases in Minnesota Minn. Agr. Exp.
 Stat. Bull. 190 44 p. illus. Je.1920
 References: p. 44
 Key to diseases, p.8.
 Gives symptoms and common names.

Stakman, L. J.

A Helminthosporium disease of wheat and rye Minn.
 Agr. Exp. Stat. Bull. 191 18 p. iv pl. Jy.1920.

Reed, G. M.

Varietal resistance and susceptibility of oats to pow-
 dery mildew, crown rust and smuts. Research Bull.
 Missouri Agr. Exp. Stat. 37 41 p. iv pl. on 2 Jy.
 1920

Literature cited: p. 39-41.

Kiesselbach, T. A. & J.A. Ratcliff

Freezing injury of seed corn Reserach Bull. Nebr.
 Agr. Exp. Stat. 16 96p. illus. Je.1920

Literature cited: p. 95-96

Butler, O. R.

Spraying for late blight of potatoes New Hampsh.
 Agr. Exp. Stat. Circ. 22 6 p. Ap.1920

Matz, Julius

El mal de guineo Estac. Exp. Insular Porto Rico
 Circ. 25 7 p. My.1920

Fusarium cubens [sic]

Heald, F. D.

Division of plant pathology Ann. Rep. Wash. Agr.
 Exp. Stat. 29(1918/19): 34-38 Mr.1920 (Wash. Agr.
 Exp. Stat. Bull. 155)

New Books

Brenchley, W. E.

Weeds of farm land. 1920.

Daniel, L. L.

Sur la culture de la rose et du jasmin et de quelques
 autres plantes à essence dans le midi de la France...
 1920.

Derlitzki, Georg

Untersuchungen über keimkraft und triebkraft und über
 den einfluss von Fusarium nivale 1917

Dias da Rocha, Francisco

Botanica medica cearense... 1919

Flora of tropical Africa v.9, pt.4 1920

Gramineae (cont.) by O. Stapf.

Guilliermond, A.

The yeasts... Transl. by F.W. Tanner. 1920.

Harshberger, J.W.

Vegetation of North America 1920.

Ihne, Egon

Phänologische mitteilungen 1919 Darmstadt, 1920.

Linne', Carl von

Adonis Stenbrohultensis utgiven av Felix Bryk 1920.

Maiden, J. H.

Forest flora of New South Wales pt. 64 (v.7, pt.4)
 1920.

Nakai, T.

Flora sylvatica koreana pars VIII Ericaceae 1919.

Neger, F. W.

Die krankheiten unserer waldbäume 1919.

New Books

Das pflanzenreich 70. heft, 1919

Schulz, O. E. Brassiceae pars prima, subtr. I.
Brassicinae et II, Raphaninae.

Pittier, H. F.

La evolucion de las ciencias naturales y las exploraciones botanicas en Venezuela. Caracas, Tip. Cultura Venezolana, 1920

28 p. 23cm.

[Brief bibliography]: p. 26-38

Suplemento del no. 14 de "Cultura Venezolana"

Popehoe, Wilson

Manual of tropical and subtropical fruits 1920.

Schneider, Georg

Die kartoffelkrebs, eine eigenartige neue kartoffelkrankheit in Deutschland. Berlin, W. Parry, [1918]

8 p. (Mitt. Kaiserl. Mar.-Intendantur Wilhelmshaven)

Staward, Richard

Practical hardy fruit culture 1920.

Toepffer, Ad.

Salices bavariae... 1915

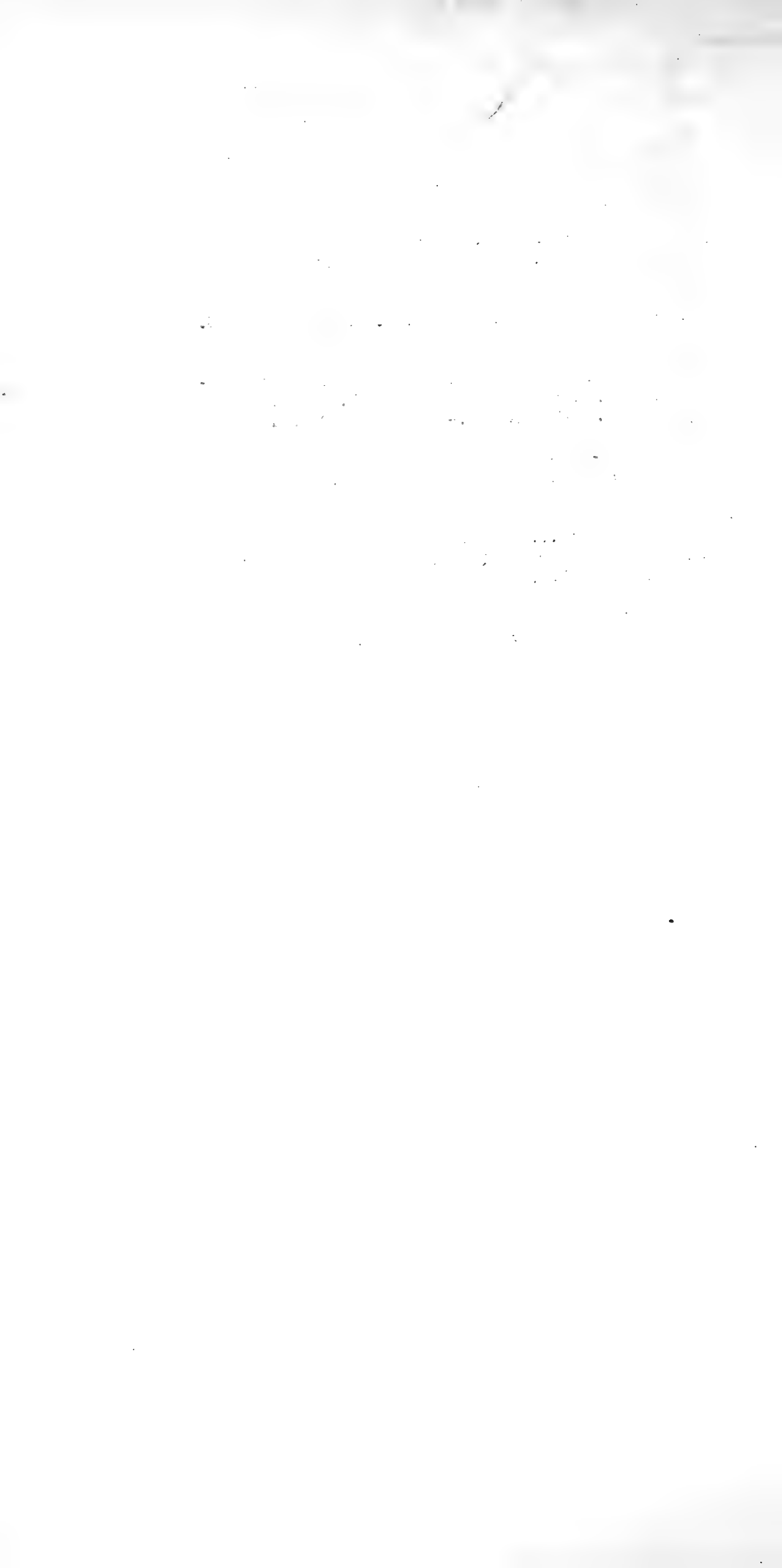
Sonderabd. aus Ber. XV (Jubiläumsber.) der Bayerischen botanischen gesell...

Urban, Ignatz

Symbolae antillae v.8 (his Flora domingensis pars I, p.1-480) 1920

Welten, Heinz.

Pflanzenkrankheiten c1919



- Acta Soc. Fauna et Flora Fennica
Hintikka, T. J.
Révision des myxogastres de Finlande Acta Soc.
Fauna et Flora Fennica v.46 no.9 43 p. 1919
Ouvrages relatifs au myxogastres parus en Finlande:
p. 8-9.
- Agr. Gaz. N.S.W.
Birmingham, W. A.
Root rot of fruit trees due to *Armillaria mellea*
Agr. Gaz. N.S.W. 31: 669-673 illus. S.1920
no. 9
- Amer. For.
Record, S. J.
Scented woods Amer. For. 26: 665-672 illus.
Nov. 1920 no. 323
- Amer. Journ. Pharm.
Hoffstein, B. H.
Notes on henna Amer. Journ. Pharm. 92: 543-
547 Ag.1920 no.8
Lawsonia inermis

Youngken, H. W.
Studies on commercial varieties of *nux vomica*.
Amer. Journ. Pharm. 92: 538-540 Ag.1920 no.8
Bibliography: p. 840.
- Ann. Rep. Agr. & Hort. Res. Stat. Univ. Bristol
Barker, B. T. P. & A.H. Lees
Factors governing fruit-bud formation Ann. Rep.
Agr. & Hort. Res. Stat. Univ. Bristol 1919 p. 85-
98 [1920]

Barker, B. T. P., C.T. Gimmingham & S.P. Wiltshire
Sulphur as a fungicide Ann. Rep. Agr. & Hort.
Res. Stat. Univ. Bristol 1919 p. 57-76 [1920]

Gimmingham, C.T. & G.T. Spinks
Soil sterilization Ann. Rep. Agr. & Hort. Res.
Stat. Univ. Bristol 1919 p. 37-42 [1920]

Lees, A. H.
Big bud Ann. Rep. Agr. & Hort. Res. Stat. Univ.
Bristol 1919 p. 50-56 [1920]
Reprinted from Fruit-Grow. Fruitier & Flor.
(have this only since Mr. 4, 1920)

Spinks, G.T.
Spraying trials Ann. Rep. Agr. & Hort. Res.
Stat. Univ. Bristol 1919 p. 43-45 [1920]

Wiltshire, S.P.
The apple canker fungus Ann. Rep. Agr. & Hort.
Res. Stat. Univ. Bristol 1919 p. 23-29 [1920]
Nectria ditissima

Wiltshire, S.P.
A dieback of red currants Ann. Rep. Agr. & Hort.
Res. Stat. Univ. Bristol 1919 p. 30-33 [1920]
Fungi isolated, *Cytosporina rinis* & *Nectria cinnabarina*.

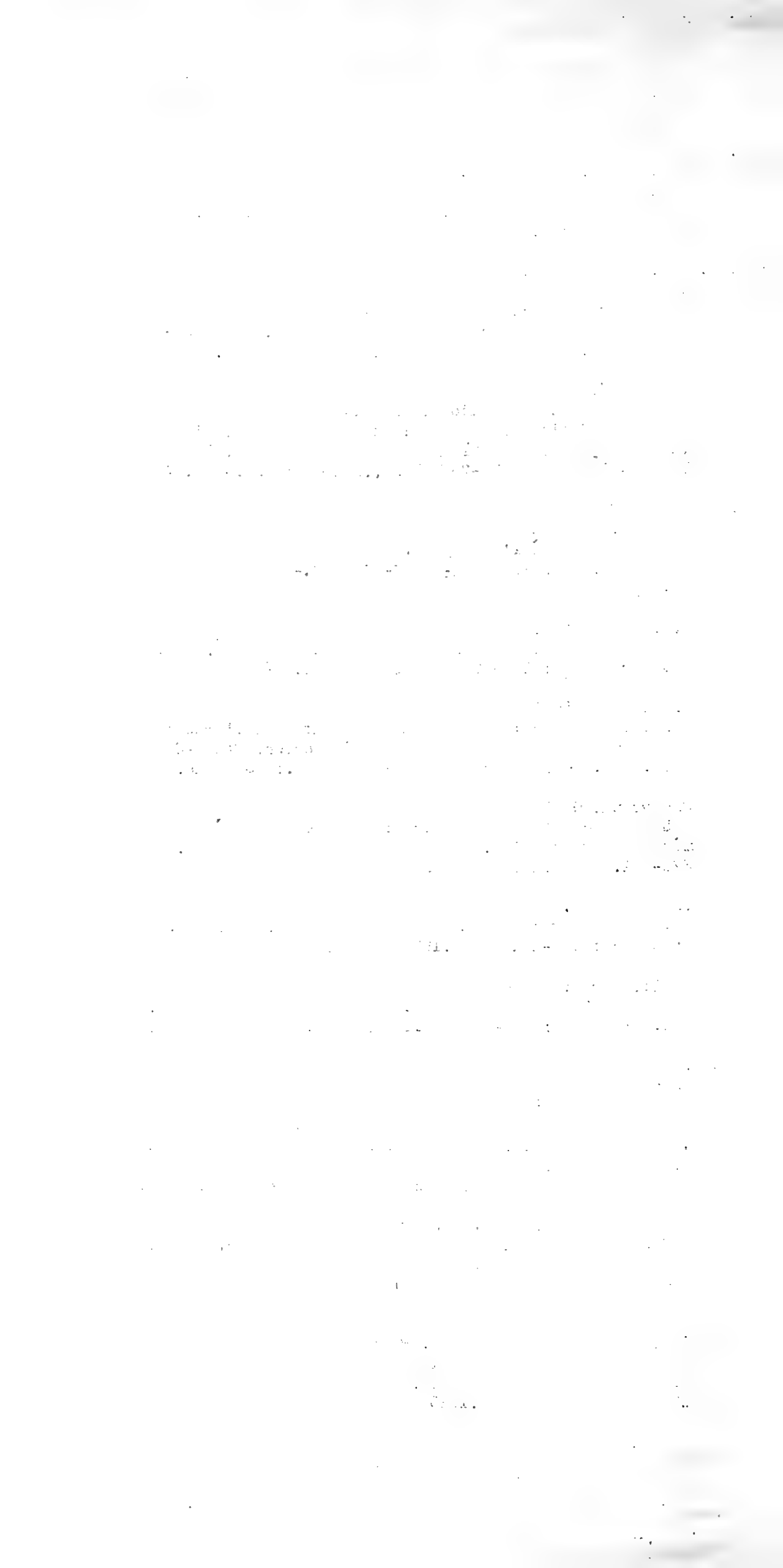
Wiltshire, S.P.
The production of conidia in pure cultures by the
brown rot fungus of the apple. Ann. Rep. Agr. &
Hort. Res. Stat. Univ. Bristol 1919 p. 34-36 [1920]
- Ann. Rep. Dept. Agr. Brit. Columbia
Eastham, J. W.
Report of the provincial plant pathologist Ann.
Rep. Dept. Agr. Brit. Columbia 14 (1919): Q41-Q44 1920.
- Ann. Rep. Dept. Agr. Jamaica
Ashby, S. F.
Report of the microbiologist, 1919-1920 Ann. Rep.
Dept. Agr. Jamaica 1919/20 p. 25-26 1920.



- Ann. Rep. Quebec Soc. Prot. Pl.
Bryce, P. I.
Can we improve potato storage methods? Ann. Rep.
Quebec Soc. Prot. Pl. 12: 53-59 pl.viii 1920
References: p. 59
Diseases of stored potatoes: p. 54-56.
- Dickson, B. T.
Some plant diseases in the greenhouse Ann.
Rep. Quebec Soc. Prot. Pl. 12: 46-48 pl.iii-vii 1920.
- Ann. Rep. Wisc. State Hort. Soc.
Jones, L.K.
A survey of diseases and insect injuries of cane
fruits in Wisconsin. Ann. Rep. Wisc. State Hort.
Soc. 50(1919/20): 143-150 1920
- Atti R. Accad. Lincei V, Rend. Cl. Sci. Fis. Mat. e Nat.
Ciamician, G., & C. Ravenna
Considerazioni intorno alla funzione degli alcaloidi
nelle piante Atti R. Accad. Lincei V, Rend. Cl.
Sci. Fis. Mat. e Nat. 29 (1): 416-420 1920 no.11/12
- Petri, Lionello
Sulle cause di arresto di sviluppo del l'ovario nel
fiore dell'olivo Atti R. Accad. Lincei V, Rend.
Cl. Sci. Fis. Mat. e Nat. 29 (1): 472-477 1920
no. 11/12.
- Biochem. Zeitschr.
Stoklasa, Julius, J. Sebor, V. Zdobnický, E. Naprávil' & J. Hromádka
Ueber die radioaktivität des kaliums und ihre bedeutung
in der chlorophyllosen und chlorophyllhaltigen
zelle I Biochem. Zeitschr. 108: 109-139 Ag.
1920. no. 1/3.
Der mechanismus der physiologischen wirkung der
radiumemanation und der radioaktivität des kaliums auf
die biochemischen vorgänge bei dem wachstumsprozess der
pflanzen II. Biochem. Zeitschr. 108: 140-172. Ag. 1920
Die bedeutung der radioaktivität des kaliums bei
der photosynthese III Biochem. Zeitschr. 108: 173-
184 Ag. 1920
Bibliographical foot notes
- Bot. Mag. Tokyo
Nakai, Takenoshin
On Abeliophyllum Bot. Mag. Tokyo 34: (248)-(251)
S. 1920
In Japanese, quotations from letter of E.H. Wilson in
regard to validity of Abeliophyllum
- Okamura, Kintaro, Kiesuke Onda & Michitaro Higashi
Preliminary notes on the development of the carpospores
of *Porphyra tenara* Kjellm. Bot. Mag. Tokyo 34: 151-
135 pl.iii S. 1920 no. 405
- Yamaguchi, Yasuke
Kurze mitteilung über die beziehung der aufblühzeit
und des sitzes der blüte am rispenaste zum korngewichte
des reises. Bot. Mag. Tokyo 34: 136-139 S. 1920
no. 405.
- Bull. Agr. Alg.-Tun.-Maroc
Ducellier, L.
Les blés du Sahara. Remarques relatives a la variété
et a la classification des céréales. Bull. Agr.
Algér.-Tun.-Mar. II, 26: 185-196 illus. S. 1920. no. 9
- Bull. Jard. Bot. Buitenzorg
Alderwerelt van Rosenburgh, C. R. W. K.
New or interesting Malayan ferns 11 Bull. Jard.
Bot. Buitenz. III, 2: 129-186 Je. 1920 no. 2
- Gorter, K.
L'hiptagine, glucoside nouveau retiré de l'Hintage
madablota Gaertn. Bull. Jard. Bot. Buitenz. III,
2: 187-202 Je. 1920 no. 2



- Bull. Agr. Inst. Sci. Saigon
 Poilane,
 Note sur deux essences tannifères de la région de
 Camau ("Cây duoc" et "Cây da-quanh") Bull. Agr. Inst.
 Sci. Saigon 2: 116-120 Ap.1920
 Rhizophora & Bruguiera n.sp.
- Bull. North Carolina Dept. Agr.
 Plummer, J. K. & F.A. Wolf
 Injury to crops by borax Bull. North Car.
 Dept. Agr. 275 (v.41, no.15) 20 p. illus. O.1920
 References: p. 20.
- Bull. R. Soc. Tosc.ortic.
 Landini, L.
 Ossevazioni sulla resistenza di alcune varietà di
 peschi all'*Exoascus deformans* Bull. R. Soc. Tos-
 canaortic. 45: 69-70 S./O.1920 no. 9/10.
- Roster, G.
 La resistenza al freddo, la identificazione e la nom-
 enclature delle palme, con elenco dei giardini, d'Ital-
 ia dove si coltivano all'aria aperta Bull. R. Soc.
 Toscanaortic. 45: 71-75 S./O.,1920 (cont.) no.9/10
- Bull. Soc. Bot. France
 Benoist, Raymond
 Contribution à l'étude de la flore des Guyanes (cont.)
 Bull. Soc. Bot. France 66: 357-370, 381-398 My.1920.
 no. 8/9
- Blaringhem, Louis
 Note sur la xénie chez le châtaignier Bull. Soc.
 Bot. France 66: 354-356 My.1920 no. 8/9
- Blaringhem, Louis
 Sur les collections de plantes vivantes de l'Arnold
 Arboretum (Université d'Harvard près Boston, États-Unis)
 Bull. Soc. Bot. France 66: 403-405 My.1920 no.8/9
- Chauveaud, Gustave
 Les monocotylédones et les dicotylédones possèdent le
 même type vasculaire. Bull. Soc. Bot. France 66:
 373-381. My.1920 no.8/9
- Chermezon, H.
 Cyperus nouveaux de Madagascar Bull. Soc. Bot.
 France 66: 338-353 My.1920 no. 8/9;
- Denis, Marcel
 Les suçoirs du *Cassytha filiformis* L. Bull. Soc.
 Bot. France 66: 398-403 illus. My.1920 no. 8/9.
- Bull. Soc. Mycol. France
 Bugnon, Pierre
 Sur un mode d'attaque et de contamination parasites
 des feuilles de lierre (*Hedera helix* L.) déterminé par
 la pluie. Bull. Soc. Mycol. France 36: 172-174 illus.
 O.1920 no.3
 A *Phyllosticta* greatly modified by rain on the leaves.
- Ferdinandson, C. C. F. & O. Winge
Uromyces airae-flexuosae sp. n. Bull. Soc. Mycol.
 France 36: 162-164 illus. O.1920 no. 3
 U. *airae-flexuosae* n.sp. teliosstage of *Uredo airae*
flexuosae
- Guilliermond, Alexandre & M. Péju
 Une nouvelle espèce de levures du genre *Debaryomyces*,
 D. *klöckerii* n.sp. Bull. Soc. Mycol. France 36: 164-
 171 pl. vi-x O.1920
- Mayor, Eugène
 Etude expérimentale du *Puccinia actaeae-elymi* Eug.
 Mayor Bull. Soc. Mycol. France 36: 137-161. O.1920.
 no.3
- Patouillard, Narcisse
 Quelques champignons du Tonkin (suite) Bull. Soc.
 Mycol. France 36: 174-177 O.1920 no.3



Bull. Soc. Mycol. France

Patouillard, Narcisse

Quelques champignons du Tonkin (suite) Bull. Soc. Mycol. France 36: 174-177 O.1920 no.3

Riza, Ali

Deux nouvelles observations: Puccinia prunispinosae sur pommier et Uromyces terebinthi [sic] sur Pistacia vera. Bull. Soc. Mycol. France 36: 125-127 illus. O.1920.

Uromyces terebinthi

Vuillemin, Paul

Nouvelles souches thermophiles d'Aspergillus glaucus Bull. Soc. Mycol. France 36: 127-136 illus. O.1920. no.3

Bull. U. S. Nat. Mus.

Merrill, G.P.

Contribution to a history of American state geological and natural history surveys Bull. U.S. Nat. Mus. 109 1920

Compt. Rend. Acad. Sci. Paris

Beau, Clovis

Sur le rôle trophique des endophytes d'orchidées Compt. Rend. Acad. Sci. Paris 171: 675-677 1920 no.15

Bugnon, Pierre

Causes du parcours transversal des faisceaux libéro-ligneux aux noeuds des graminées. Compt. Rend. Acad. Sci. Paris 171: 673-675 illus. 1920 no. 15.

Cerighelli, Raoul

Sur les échanges gazeux de la racine avec l'atmosphère Compt. Rend. Acad. Sci. Paris 171: 575-578 1920 no.13

Rousseaux, Eugène

Les matières azotées et l'acide phosphorique dans la maturation et la germination du blé. Compt. Rend. Acad. Sci. Paris 171: 578-580 1920 no.13

Sauvageau, Camille

Sur des algues marines floridées indigènes pouvant fournir de la gélose Compt. Rend. Acad. Sci. Paris 171: 566-569 1920 no.13

Sauvageau, Camille

Sur la membrane de quelques algues floridées et sur la gélation de l'hydrosol gélosique. Compt. Rend. Acad. Sci. Paris 171: 606-609 1920 no.14

Compt. Rend. Soc. Biol. Paris

Blaringhem, Louis

Variations de la sexualité chez les composées Compt. Rend. Soc. Biol. 83: 1060-1062 1920 no.25

Sartory, Auguste

Production de périthèces chez un Aspergillus sous l'influence d'une bactérie Compt. Rend. Soc. Biol. Paris 83: 1113-1114 1920 no.25

Cultura

Lek, H. A. A. van der

Loodglans zonder Stereum purpureum Cultura 32: 329-332 O.1920 no.385

Wolk, P.C. van der

Tropen-romantiek (Geschiedenis van onze nootmuskaarcultuur) (cont.) Cultura 32: 344-354 O.1920 no.385

Deut. Landw. Presse

Henkemeyer, A.

Zur bekämpfung des weizensteinbrandes Deut. Landw. Presse 47: 489 S.4,1920 no. 71

Garden

Britten, James

London pride Garden 84: 528 O.23.1920 no.2553



Far East Rev.

Lin, D. Y.

Some information about Chinese wood oil Far East
Rev. 15: 597-601 illus. S.1919
Aleurites

Gard. Illus.

Cornhill, J.

Potato diseases. Gard. Illus. 42: 577. O.16,1920.
Popular discussion of cutting diseased haulms for control of potato diseases.

Hereditas

Heribert-Nilsson, Nils

Ein Übergang aus dem isogamen in den heterogamen
zustand in einer sippe der *Oenothera lamarckiana*
Hereditas 1: 213-220 S.1920 no.2
Zitierter literatur: p. 220.

Rasmuson, Hans

On some hybridisation experiments with varieties of
Collinsia species Hereditas 1: 178-185 S.1920.
no. 2
Literature cited: p. 185.

Hoosier Hort.

Beach, F. H.

Results of apple blotch control in southern Ohio
Hoosier Hort. v.2, no.5, p. 3-9 My.1920

Jardin

Noter, Rafael de

Un bon légume exotique. L'oudô ou udô (*Aralia edulis*)
Jardin 34: 148-149 illus. O.5,1920 no.742

Journ. Agr. Prat.

Mottet, Seraphin

L'arrachage précoce des pommes de terre Journ.
Agr. Prat. 84: 259-271. S.30,1920 no.40
For the control of late blight.

Journ. Agr. Res.

Atanasoff, Dimitr

Fusarium-blight (scab) of wheat and other cereals.
Journ. Agr. Res. v.20, no.1, p. 1-32. pl. 1-4. Oct.1,
1920. (Nov.)
Literature cited: p. 31-32.

Wis.-18.

Gile, P.L. & Carrero, J.O.

Cause of lime-induced chlorosis and availability of
iron in the soil Journ. Agr. Res. v.20, no.1
p. 33-61 pl.5-6 O.1,1920 (Nov.)
Literature cited: p. 59-61,

Journ. Bot.

Britten, James

John Gilbert Baker (1834-1920) Journ. Bot. 58:
233-238 O.1920 no.694

Grove, W. B.

Mycological notes V Journ. Bot. 58: 249-251
O.1920 no.694

Russula claroflava Grove, *Boletus sanguineus*, *Monilia*
candicans.

Gunther, R. T.

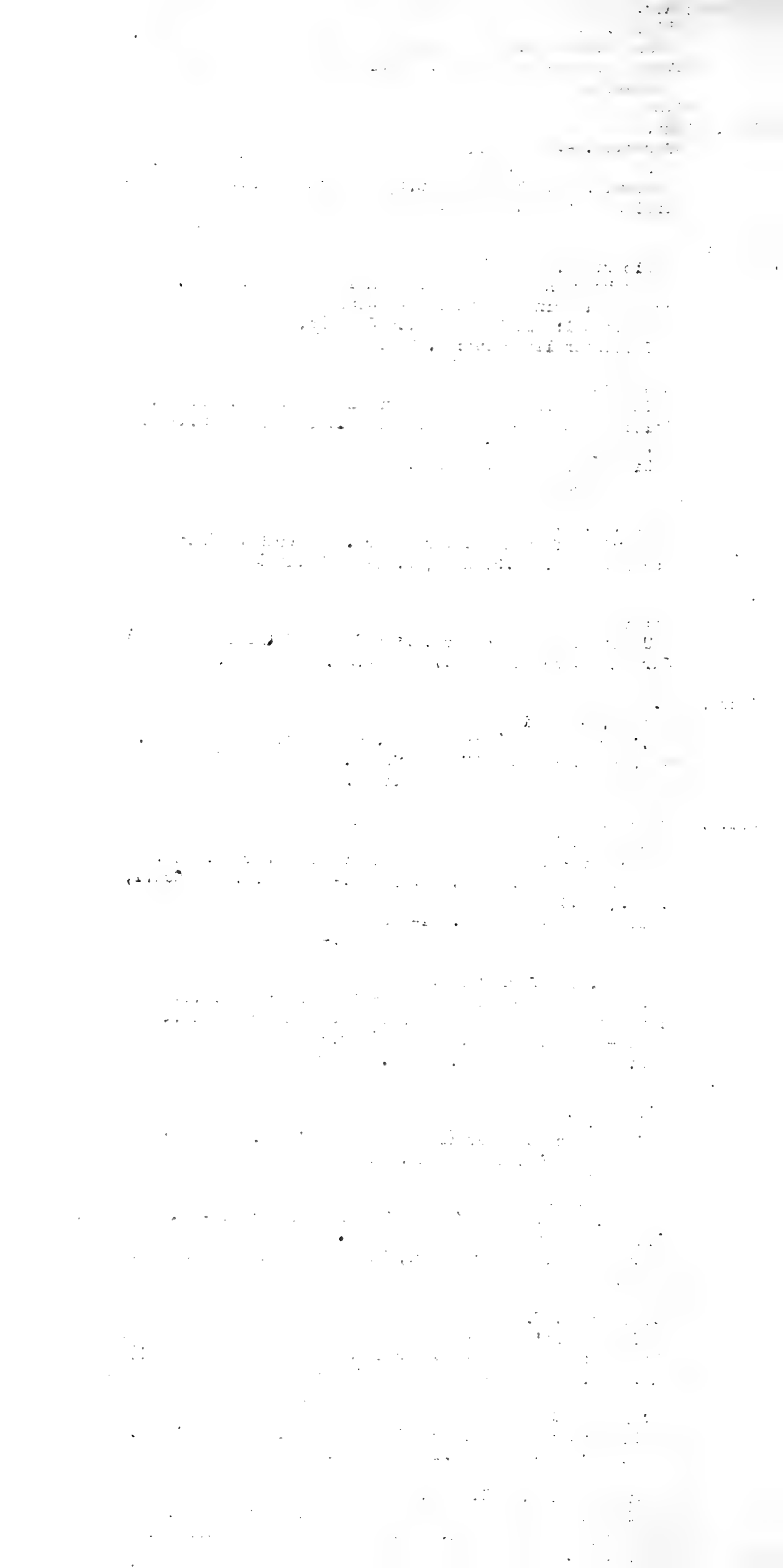
Tradescant's first garden catalogue, 1634. Journ.
Bot. 58: 248 O.1920 (Bibliographical notes LXXXI)
no. 694.

Horne, A. S.

Diagnoses of fungi from "spotted"apples. Journ.
Bot. 58: 238-242 O.1920 no.694

Stephenson, T. & T.A. Stephenson

The British marsh orchids in relation to Mendelian
principles. Journ. Bot. 58: 243-247 O.1920.
no.694.



- Journ. For.
Hodson, E. R.
Is American chestnut developing immunity to the
blight? Journ. For. 18: 693-700 N. 1920 no. 7
References on resistance to chestnut blight: p. 700.
- Journ. Stat. Agron. Guadeloupe
Dash, J. S.
La maladie mosaïque de la canne Journ. Stat.
Agron. Guadeloupe 1: 18-19 1920 no. 1
Extract from Intern. Sugar Journ. with note by Mr.
Dash on the liability of confusing the varieties "Kav-
angire" and "Cavangerie" belonging to two different groups
of sugar cane.
- Journ. Wash. Acad. Sci.
Kellerman, K. F.
The effect of salts of boron upon the distribution of
desert vegetation. Journ. Wash. Acad. Sci. 10: 481-
486 O. 19, 1920 no. 17
- Standley, P. C.
The North American species of *Agonandra* Journ.
Wash. Acad. Sci. 10: 505-508 N. 4, 1920 no. 18
A. racemos, *A. obtusifolia*, *A. conzattii*.
- Medd. Centralanst. Försöksv. Jordbruksomr. Avd. Landtbruksbot.
Henning, Ernst & T. Lindfors
Krusbärsnjöldaggens bekämpande, studier och försök.
Medd. n:o 208 Centralanst. Försöksv. Jordbruksomr. Avd.
Landtbruksbot. n:o 20 51 p. 1920
Litteraturförteckning: p. 48-51.
- Meded. Labor. Plantenz. Dept. Landb. &c. Nederl. Ind.
Rands, R. D.
Selectie van een zeer productief ras van *Hevea* dat een
groot weerstandsvermogen tegen bruine binstbast-ziekte
vetroot... Meded. Inst. Plantenz. Dep. Landb. Nijverh.
e Hand. Nederl.-Ind. no. 42 13 p.
English résumé (Selection of a high-yielding strain of
Hevea resistant to brown bast): reverse of p. 13.
- Nature
Thorpe, T. E.
Armand Gautier Nature 106: 85-86 S. 16, 1920,
no. 2655.
- Johnston, E. C.
Nutrient requirement of the potato plant grown in sand
cultures treated with "type I" solutions Soil Sci.
10: 389-408 illus., pl. 1 N. 1920 no. 5
References: p. 408
- New Zeal. Journ. Agr.
Atkinson, E. H.
Weeds and their identification (cont.) New Zeal.
Journ. Agr. 21: 115-119 illus. S. 1920 no. 3
Hemlock (*Conium maculatum* L.)
- Cunningham, G. H. J.
Fire-blight, notes for fruitgrowers New Zeal. Journ.
Agr. 21: 137-139 S. 1920 no. 3
Report on eradication campaign, p. 144.
- Parfum. Mod.
Lorgues, Jean de
La flore aromatique de Roumanie Parfum. Mod. 13:
182-183 S. 1920 no. 9
- Queensl. Agr. Journ.
White, C. T.
Illustrated notes on the weeds of Queensland no. 18
Onion weed (*Asphodelus fistulosus* L.) Queensl. Agr.
Journ. 14: 196-197 illus. O. 1920 no. 4
- Rep. Dept. Agr. Ceylon
Petch, Thomas
Report on the work of the botanical and mycological
division Rep. Dept. Agr. Ceylon 1919 p. 35-38 1920.

Rev. Hort.

Robertson-Proschowsky, A.
Albizzia lophanta Benth. var. speciosa. Rev. Hort.
92: 174-175 O.16, 1920 no.10

Riv. Biol.

Carano, E.
Embriologia vegetale Riv. Biol. 2: 403-410
Jy./Ag.1920
"Rivista sintetiche"

Figini, Guido
Intorno un caso de disguinzione pigmentale in una in-
fiorecenza di Antirrhinum majus L. Riv. Biol. 2:
345-347 Jy./Ag.1920 no.4
Bibliographical foot notes

Pantanelli, Enrico
C. A. Timiriaseff Rev. Biol. 2: 442 Jy./Ag.1920.

Schweiz. Apoth. Zeit.

Jermstad,
Ueber Carl von Linnés beziehungen zur pharmazie und zu
den apothekern Schweiz. Apoth. Zeit. 58: 533-536.
O.21,1920 no.43.

Science

The laws of hybridizing discovered by Richard Diener
Science 52: 492-494 N.19,1920 no.1351
Review signed L.J.C.

Harris, J. A., R.A.Gortner & J.V.Lawrence
On therrelationship between freezing point lowring,
and specific electrical conductivity K, of plant tissue
fluids Science 52: 494-495 N.19, 1920 no.1351

Sci. Amer. Month.

Whetzel, H. H.
Institute for plant protection Sci. Amer. Month. 2:
174-175 O.1920 no.2

Soil Sci.

Stowd, W. H.
The determination of nitrites and nitrates in plant
tissue. Soil Sci. 10: 333-342 N,1920 no.5
References: p. 342

Sugar Centr. & Plant. News

Lee, H. A.
The presence of what is called the pineapple disease
on seed canes in the Philippines. Sugar Centr. & Plant.
News. v.1, no.12, p. 1-5, ll. illus. Ag.1920
English and Spanish in parallel columns.

Lee, H. A. & M.G. Medalla
Yellow stripe disease of cane in the Philippines
Sugar Centr. & Plant. News v.1, no.14, p. 12-17 O.1920
Spanish and English in parallel columns

Reinking, Otto A.
Diseases of sugar cane in the Philippines. Sugar
Cent. & Plant. News v.1, no.14, p. 22-30, 35-39, 42-43,
illus. O.1920.
Spanish and English in parallel columns

Teysmannia

Hall, C. J. J. van
Mimosa invisa Teysmannia 31: 193-198 pl. 1920
no.5.

Tijdschr. Plantenz.

Ritzema Bos, Jan
Trametes pini Brot. (Fr.) een voor de dennen hoogst
gevaarlijke zwam, thans ook in Nederland aangetroffen.
Tijdschr. Plantenz. 26: 189-192 S.1920 no.9

Trans. & Proc. Roy. Soc. So. Austr.

Black, J.M.

Additions to the flora of Southern Australia no. 15-16
Trans. & Proc. Roy. Soc. So. Austr. 43: 22-44, 349-354
pl. vi-viii, xxxii D.1919

Kochia cannonii, *Pimelea williamsonii*, *Goodenia ver-
nicosa* new species

Black, J. M.

Revision of the Australian Salicorniae Trans. &
Proc. Roy. Soc. So. Austr. 43: 355-367 pl. xxxiii-
xxxvii D.1919

Cheel, Edwin

Notes on three species of *Melaleuca* Trans. & Proc.
Roy. Soc. So. Austr. 43: 368-372 pl. xxxviii D.1919
M. pustulata, *M. halmaturorum*, *M. pauperiflora*

Cleland, J.B. & Chell, Edwin

Australian fungi. Notes and descriptions no. 2-3
Trans. & Proc. Roy. Soc. So. Austr. 43: 11-22, 262-315.
pl. i-v, xxviii-xix (partly col.) D.1919

No.2: The sclerotia-forming polypores of Australia

Edquist, A. G.

Vitality of seeds Trans. & Proc. Roy. Soc. So.
Austr. 43: 5-10 D.1919

U.S. Dept. Agr. Bull.

Boyce, J. S.

The dry-rot of incense cedar U.S. Dept. Agr. Bull.
871 58 p. iii pl. N.1920
Literature cited: p. 57-58
Polyporus amarus

Woglum, R.S.

Fumigation of citrus plants with hydrocyanic acid;
conditions influencing injury U.S. Dept. Agr. Bull.
907 42 p. illus., iv pl. O.1920
Literature cited: p. 42-43

U.S. Dept. Agr. Circ.

Lyman, G.R., Kunkel, L.O. & Orton, C. R.

Potato wart U.S. Dept. Agr. Circ. 111 19 p. il-
lus. O.1920

U.S. Dept. Agr. Farm. Bull.

Collins, J. F.

Tree surgery U.S. Dept. Agr. Farm. Bull. 1178 29 p.
illus. S.1920

Univ. Calif. Publ. Agr. Sci.

Babcock, E. B. & Collins, J.L.

Interspecific hybrids in *Crepis* I. *Crepis capillaris*
(L.) Wallr. x *C. tectorum* L. Univ. Calif. Publ. Agr.
Sci. v.2, no.5, p. 191-204 pl. 36-38 O.1920

Zeitschr. Gart. u. Obstb.

Hayek, August

Einige von J. Dörfler aus den nordalpbaischen hochge-
birgen eingeführte pflanzen (schluss) Zeitschr. Gart.
u. Obstb. I. Folge, 1: 54-55 O.15,1920 no.5

Exper. Stat. Publ.

Connors, C. H.

Report on fruit conditions and experimental work Ann.
Rep. New Jersey Agr. Exp. Stat. 40 (1918/19): 70-96 8 pl.
1920

Notes on weather influences & Yellows and little peach
at Vineland.

Cook, M. T.

Report of the Department of plant pathology Ann.
Rep. New Jersey Agr. Exp. Stat. 40 (1918/19): 522-544
6 pl. 1920



Exper. Stat. Publ.

Massy, L. M.

Report of the progress in demonstrations on the control of diseases of potatoes, sweet potatoes, truck crops, forage crops and related plants in New Jersey for the period April 1 to Dec. 1, 1918 Ann. Rep. New Jersey Agr. Exp. Stat. 40 (1918/19): 535-542 1920.

Shive, J. W.

The influence of sand of different degrees of fineness upon the concentration and reaction of a nutrient solution Ann. Rep. New Jersey Agr. Exp. Stat. 40 (1918/19): 363-366 1920.

Shive, J. W.

The influence of the moisture content of sand cultures upon the physiological salt balance for the plant Ann. Rep. New Jersey Agr. Exp. Stat. 40(1918/19): 358-363 1920.

Van Alstine, E.

The relation of salt proper to the growth of wheat in sand cultures Ann. Rep. New Jersey Agr. Exp. Stat. 40(1918/19): 366-374 1920.

Brainerd, Ezra & A.K. Peitersen

Blackberries of New England - their classification Vermont Agr. Exp. Stat. Bull. 217 84 p. illus. Je. 1920

Citations: p. 84

New Books

Dantín Crevecada, J.

Catálogo metódico de las plantas cultivadas (especies y variedades) en España 1920.

Evermann, B.W. & Clark, H.W.

Lake Maxinkuckee, a physical and biological survey. 2 v. 1920
v.2, p. 117-447: The flora.

Fryer, P.J.

Insect pests and fungus diseases of fruit and hops 1920.

Geddes, Patrick

The life and work of Sir Jagadis C. Bose 1920.

Schmidt, Heinrich

Geschichte der entwicklungsgeschichte 1918.

Stoklasa, Julius & Matousek, Alois

Beiträge zur kenntnis der ernährung der zückerrübe 1916.



Addisonia

- Addisonia v.5, no.3 S. 1920
Crataegus phaenopyrum p. 33 col.pl. 177
Viburnum sieboldii p. 35-36 col.pl. 118
Stephanandra tanakae p. 37 col.pl. 179
Monarda media p. 39 col.pl. 180
Clethra barbinervis p. 41 col.pl. 181
Solidago rugosa p. 43-44 col.pl. 182
Cerastostigma plumbaginoides p. 45-46 col.pl. 183
Grossularia curvata p. 47-48 col.pl. 184

Agric. Colon.

- Manetti, Carlo
Italo Giglioli Agric. Colon. 14: 401-404 port.
O.1920 no.10

Agr. Gaz. N.S.W.

- Birmingham, W. A.
Crown-gall of fruit trees Agr. Gaz. N.S.W. 31:
716-718 illus. O.1920 no.10

Amer. Journ. Pharm.

- Kilmer, F. B. & R. O. Smith
Belladonnacultivation in a practical way Amer.
Journ. Pharm. 92: 620-630 illus. S.1920 no.9

Amer. Nut. Journ.

- Dr. S. M. McMurrin. Amer. Nut. Journ. 13: 71
N.1920
Obituary notice

Ann. Bolus Herb.

- Dummer, R. A.
A further contribution to our knowledge of the genus
Agathosma, Willd. containing descriptions of twenty-
three new species and three new varieties. Ann.
Bolus Herb. 3: 44-62 My.1920.

Dummer, R. A.

- A note on, and a description of four new species and
two new varieties of the genus Adenandra Willd. Ann.
Bolus Herb. 3: 40-43 My.1920 no.1

Marloth, Rudolf

- Notes on the function of the staminal and staminodal
glands in the flowers of Adenandra Ann. Bolus Herb.
3: 38-39 pl.i My.1920 no.1

Wordsworth, R., J. Hutchinson, F. & L. Bolus

- Flowering plants collected in southwest Africa by the
Percy Sladen memorial expedition 1915-16 Ann.
Bolus Herb. 3: 15-97 pl. i-ii My.1920 no.1
Reports Percy Sladen memorial expedition to South-
west Africa no. 22

Ann. Phytopath. Soc. Japan

- Bokura, U.
A bacterial disease of the lily Ann. Phytopath.
Soc. Japan 1: 36-90 2 2 pl. 1919 no.2
In Japanese

Katsufuji, Koichi

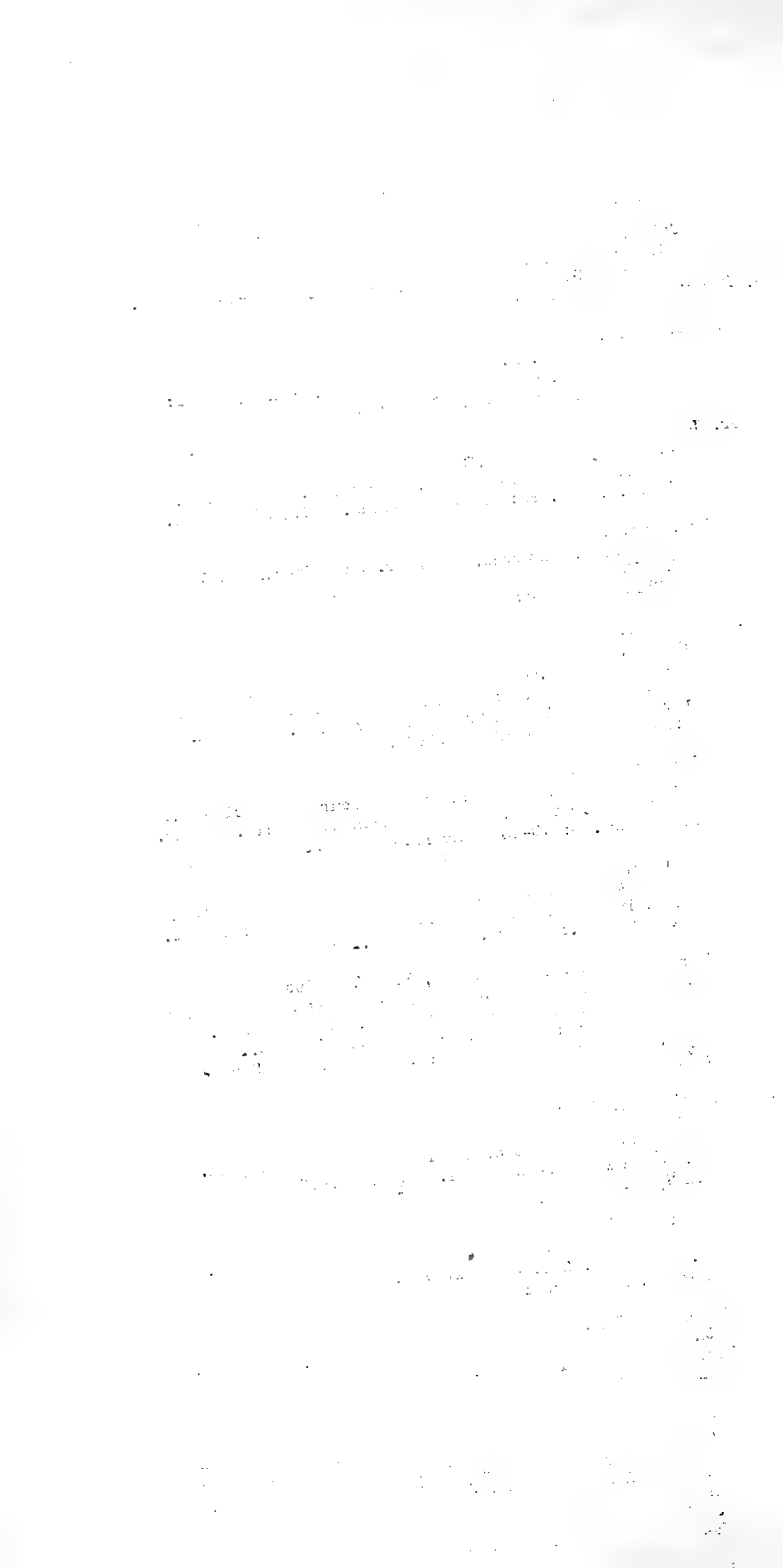
- "Yellow dwarf", a new nematode disease of soy bean.
Ann. Phytopath. Soc. Japan 1(2): 12-16 1919
Heterodera schachtii.

Takahashi, Ruido

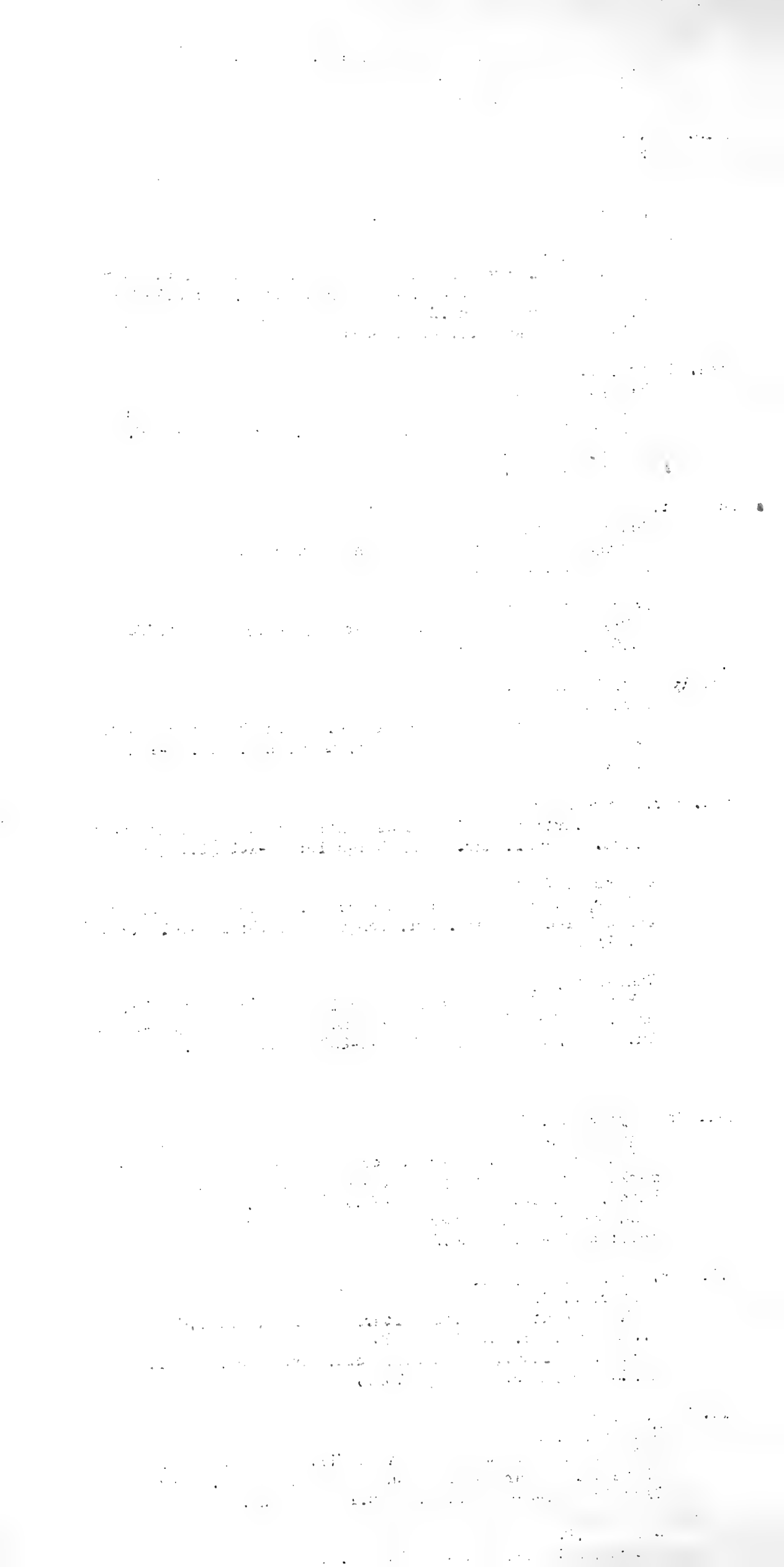
- On the fungous flora of the soil. Ann. Phytopath.
Soc. Japan 1(2): 17-22 1919
In Japanese

Tsuji, Ryosuke

- On the morphology and the systematic position of Cer-
cospora persica Sacc. and Clasterosporium degenerans
Syd. Ann. Phytopath. Soc. Japan 1(2): 23-35 pl.
1919
In Japanese
Resumé in English: p. 34-35



- Atti Ist. Bot. R. Univ. Pavia
 Pollacci, Gino
 La sporotricosi delle pesche, nuova malattia manifestataasi in Liguria. Atti Ist. Bot. R. Univ. Pavia
 17: 203-208 pl. xix 1920
 Sporotrichum persicae n.sp.
- Beih. Bot. Centralbl.
 Seibert, Alfred
 Ergreifungsfähigkeit von wurzeln. Beih. Bot.
 Centralbl. abt.1, 37: 185-216 S.1920 no.2
 Literaturangabe: p. 215-216
- Boosfeld, Albert
 Beiträge zur vergleichenden anatomie stammulculenter pflanzen Beih. Bot. Centralbl. abt.2, 37: 217-258
 pl. xxi-xxiv no.2
 Literaturnachweis: p. 253-254
- Biol. Zentralbl.
 Sierp, Hermann
 Untersuchungen über die grosse wachstumsperiode und der endlänge Biol. Zentralbl. 40: 433-457 O.
 1920. no.10
 Literatur: p. 457
- Bot. Not.
 Cedergren, Gösta R.
 Draparnaldia mutabilis (Roth) nov. comb. non Bory
 Bot. Not. 1920 p. 159-160
- Nordstedt, Otto
 Prima loca plantarum Suecicarum (cont.) Bot. Not.
 1920 (Bilaga p. 81-95)
- Brooklyn Bot. Gard. Rec.
 Taylor, Norman
 Effects of the winter of 1919-1920 on the woody plants in the garden Brooklyn Bot. Gard. Rec. 9: 121-123
 O.1920 no.4
- Bull. Agr. Congo Belge
 Contributions à l'etude des matières tannantes du Congo Belge. Bull. Agr. Congo Belge 10: 84-102 [1920] no.1/4
- Goossens, Victor
 Aperçu de nos connaissances actuelles sur la flore du Congo Belge Bull. Agr. Congo Belge 10: 154-161 [1920?] no. 1/4.
- Vanderyst, Hyacinth
 Prodrôme d'agrostologie agricole première partie (Suite) chap. III. Enumération des graminées du Bas et Moyen-Congo Bull. Agr. Congo Belge 10: 241-250 [1920?] no. 1/4
- Bull. Brooklyn Entom. Soc.
 Bequaert, J.
 A new host of Laboulbeniaformicarum Thaxter, with remarks on the fungous parasites of ants Bull. Brooklyn Entom. Soc. 15: 71-79 Ap./Je.1920 no.2
 An annotated bibliography of the fungous parasites of ants: p. 75-79. no.2
- Bull. Bur. Agr. Philipp. Isl.
 Wester, P. J.
 The coconut palm: its culture and uses. By P.J.Wester ... 2d rev. ed. Manila, 1920
 73 p. illus., xxiii pl., fold. map 23cm. (Bull. no.35 Bur. Agr. Philipp. Isl.)
- Bull. Torr. Club
 Nichols, G.E.
 The vegetation of Connecticut VII. The associations of depositing areas along the seacoast. Bull. Torr. Club 47: 511-548 illus. N.1920 no.11
- Smith, C.P.
 Studies in the genus Lupinus V. The sparsiflori. Bull. Torr. Club 47: 487-509 illus. N.1920 no.11



- Atti Ist. Bot. R. Univ. Pavia
 Pollacci, Gino
 La sporotricosi delle pesche, nuova malattia manifestata in Liguria. Atti Ist. Bot. R. Univ. Pavia
 17: 203-208 pl. xix 1920
 Sporotrichum persicae n.sp.
- Beih. Bot. Centralbl.
 Seibert, Alfred
 Ergänzungsfähigkeit von wurzeln. Beih. Bot.
 Centralbl. abt.1, 37: 185-216 S.1920 no.2
 Literaturangabe: p. 215-216
- Boosfeld, Albert
 Beiträge zur vergleichenden anatomie stammsukkulenter pflanzen Beih. Bot. Centralbl. abt.2, 37: 217-258
 pl. xxi-xxiv no.2
 Literaturnachweis: p. 253-254
- Biol. Zentralbl.
 Sierp, Hermann
 Untersuchungen über die grosse wachstumsperiode und der endlänge Biol. Zentralbl. 40: 433-457 O.
 1920. no.10
 Literatur: p. 457
- Bot. Not.
 Cedergren, Gösta R.
 Draparnaldia mutabilis (Roth) nov. comb. non Bory
 Bot. Not. 1920 p. 159-160
- Nordstedt, Otto
 Prima loca plantarum Suecicarum (cont.) Bot. Not.
 1920 (Bilaga p. 81-95)
- Brooklyn Bot. Gard. Rec.
 Taylor, Newman
 Effects of the winter of 1919-1920 on the woody plants in the garden Brooklyn Bot. Gard. Rec. 9: 121-123
 O.1920 no.4
- Bull. Agr. Congo Belge
 Contributions à l'étude des matières tannantes du Congo Belge. Bull. Agr. Congo Belge 10: 84-102 [1920] no.1/4
- Goossens, Victor
 Aperçu de nos connaissances actuelles sur la flore du Congo Belge Bull. Agr. Congo Belge 10: 154-161 [1920?] no. 1/4.
- Vanderyst, Hyacinth
 Prodrome d'agrostologie agricole première partie (Suite) chap.III. Énumération des graminées du Bas et Moyen-Congo Bull. Agr. Congo Belge 10: 241-250 [1920?] no. 1/4
- Bull. Brooklyn Entom. Soc.
 Bequaert, J.
 A new host of Laboulbeniaformicarum Thaxter, with remarks on the fungous parasites of ants Bull. Brooklyn Entom. Soc. 15: 71-79 Ap./Je.1920 no.2
 An annotated bibliography of the fungous parasites of ants: p. 75-79. no.2
- Bull. Bur. Agr. Philipp. Isl.
 Wester, P. J.
 The coconut palm: its culture and uses. By P.J.Wester ... 2d rev. ed. Manila, 1920
 73 p. illus., xxiii pl., fold. map 23cm. (Bull. no.35 Bur. Agr. Philipp. Isl.)
- Bull. Torr. Club
 Nichols, G.E.
 The vegetation of Connecticut VII. The associations of depositing areas along the seacoast. Bull. Torr. Club 47: 511-548 illus. N.1920 no.11
- Smith, C.P.
 Studies in the genus Lupinus V. The sparsiflori. Bull. Torr. Club 47: 487-509 illus. N.1920 no.11

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Centralbl. Bakt. Abt. II
Stift, Anton

Ueber im Jahre 1918 veröffentlichte bemerkenswerte
arbeiten und mitteilungen auf dem gebiete der tier-
ischen und pflanzenlichen feinde der zuckerrübe
Centralbl. Bakt. abt. 2, 52: 66-78 S. 1920 no. 1/3.

Compt. Rend. Acad. Agr. France

Villedieu, G. & Mme. Villedieu

Du rôle du cuivre dans les bouillies anticrypto-
gamiques Compt. Rend. Acad. Agr. France 6: 762-
768 1920 no. 31

Compt. Rend. Acad. Sci. Paris

Villedieu, G. & Mme. Villedieu

De la non-toxicité du cuivre pour les moisissures en
général et pour le mildiou en particulier Compt.
Rend. Acad. Sci. Paris 171: 737-739 1920 no. 16

Deut. Landw. Presse

Caron-Eldingen, von

Steinbrand und physiologische spaltungen. Deut.
Landw. Presse 47: 514 illus. S. 18, 1920 no. 75

Ecology

Adams, C.C., Burns, G.P. and others

Plants and animals of Mount Marcy, New York Pt. III
Ecology 1: 274-288 O. 1920 no. 4

Campbell, D. H.

Some botanical and environmental aspects of Hawaii
Ecology 1: 257-269 O. 1920 no. 4

Hill, R. R.

Charting quadrats with a pantograph Ecology 1:
270-273 illus. O. 1920 no. 4

Pearson, G.A.

Factors controlling the distribution of forest types
Pt. II Ecology 1: 289-308 O. 1920 no. 4

Gard. Chron.

Bean, W. J.

The Formosan redwood, *Talwania cryptomedioides*, Hayata,
Gard. Chron. III, 68: 213 illus. O. 30, 1920 no. 1766

Forbes, A. C.

Occurrence of *Keithia thujina* in Ireland Gard. Chron.
III, 68: 228-229 N. 6, 1920. no. 1767

Hemsley, W. B.

J.R. Jackson Gard. Chron. III, 68: 234 N. 6, 1920
no. 1767

Horne, A. S.

On spotting in apples Gard. Chron. III, 68: 216-217
illus. O. 30, 1920 no. 1766

Pleospora pomorum, and other fungi

King, A.G.

Wild flowers in South Africa Gard. Chron. III, 68:
225 N. 6, 1920 no. 1767

Exhibition of wild flowers held at Caledon, Cape Prov.,
So. Afr., Sept. 18, 1920.

Gard. Mag.

Some builders of gardening activity in California,
Gard. Mag. 37: 190 parts. D. 1920

Carl Purdy, Richard Diener, Theodore Payne, Albert F.
Etter, Luther Burbank.

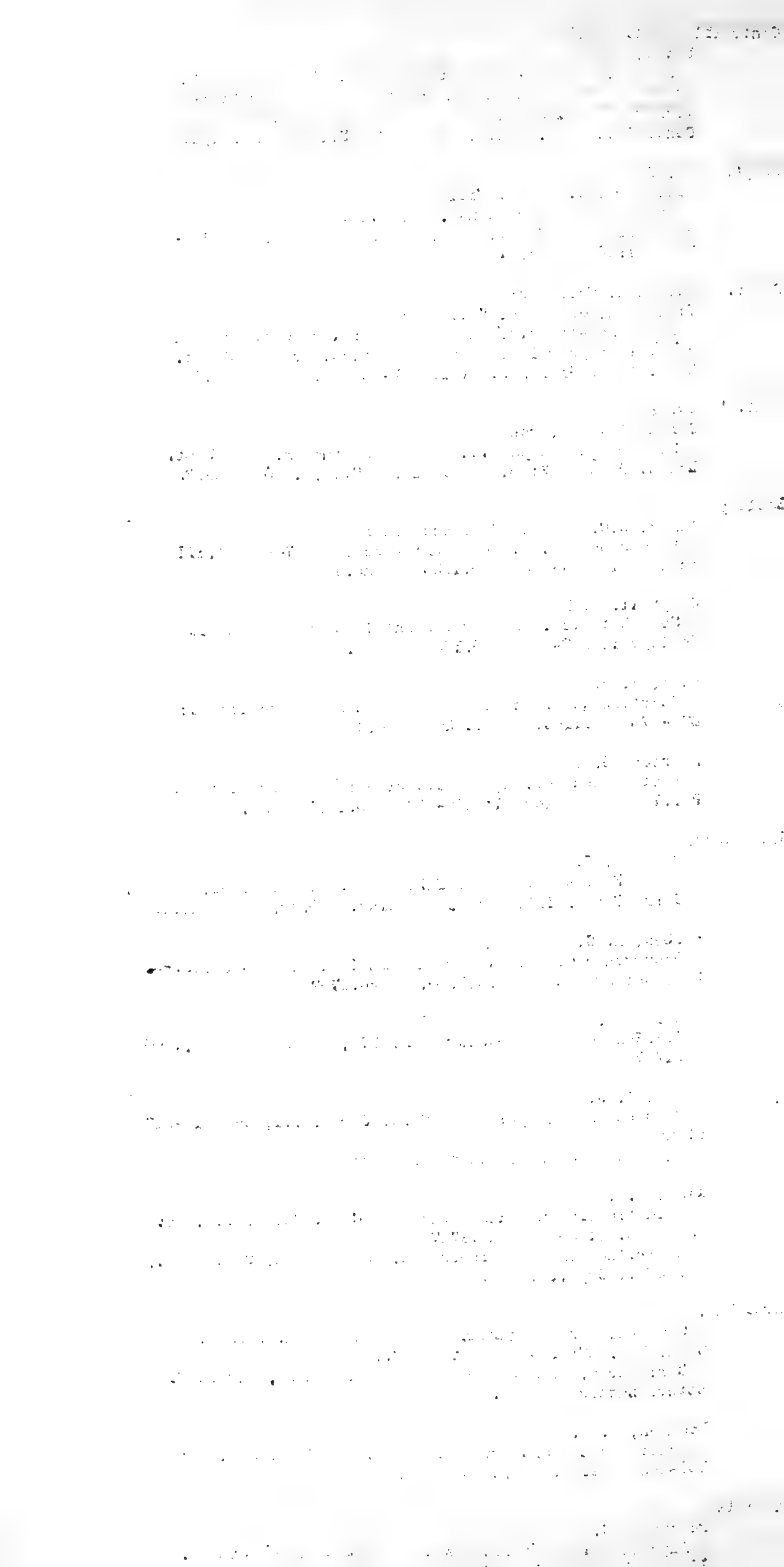
Woodman, A. M.

Acacia accessions from Australia. Gard. Mag. 37:
200-202 illus. D. 1920 no. 4

Hacienda

Percival, J. B.

Algunas palmas útiles y sus productos económicos pt.
II Hacienda 16: 56-62 illus. N. 1920 no. 2



Journ. Agr. Res.

Coville, F. V.

The influence of cold in stimulating the growth of plants
Journ. Agr. Res. v.20, no.2, p. 151-160.
pl. 20-35 O.15,1920 [Dec.]

Viehoever, Arno, Clevenger, J.F. & Ewing, C.O.

Studies in mustard seeds and substitutes I. Chinese colza (*Brassica campestris chinoleifera* Viehoveer)
Journ. Agr. Res. v.20, no.2 p. 117-139 pl. 10-19
O.15,1920 [Dec.]

Journ. Amer. Pharm. Assoc.

Spokes, R. E.

American styrax Journ. Amer. Pharm. Assoc. 9:
1055-1060 N.1920 no.11

Youngken, H. W.

Plant associations Journ. Amer. Pharm. Assoc. 9:
1052-1055 N.1920 no.11

Journ. Arnold Arb.

Palmer, E. J.

The ligneous flora of the staked plains of Texas
Journ. Arnold Arb. 2: 90-105 O.1920 no.2

Rehder, Alfred

New species, varieties and combinations from the herbarium and the collections of the Arnold Arboretum
(cont.) Journ. Arnold Arb. 2: 121-128 O.1920 no.2

Sargent, C.S.

Notes on North American trees VII. (*Prunus* & *Aesculus*)
Journ. Arnold Arb. 2: 112-121. O.1920.
no.2

Schneider, Camillo

Notes on American willows X Journ. Arnold Arb.
2: 65-90 O.1920

Standley, P. C.

A new species of *Camptosperma* from Panama. Journ.
Arnold Arb. 2: 111-112 O.1920
C. panamensis

Swingle, W. T.

A new species of *Pistacia* native to southwestern Texas, *P. texana*.
Journ. Arnold Arb. 2: 105-110.
O.1920. no.2

Journ. Bot.

Church, A.H.

The lichen symbiosis (concl.) Journ. Bot. 58: 262-
267 N.1920 no.695

Elliott, W. T. & J.S. Elliott

The sequence of fungi and mycetozoa Journ. Bot.
58: 273-274 N.1920

Moore, S. Le M.

Alabastra diversa pt. XXXIII, 3. *Miscellanea africana*
(cont.) Journ. Bot. 58: 267-271 N.1920 no.695

Stephenson, T.

The British palmate orchids. Journ. Bot. 58: 257-
262 col.pl. 556 N.1920 no.695

Journ. Cancer Res.

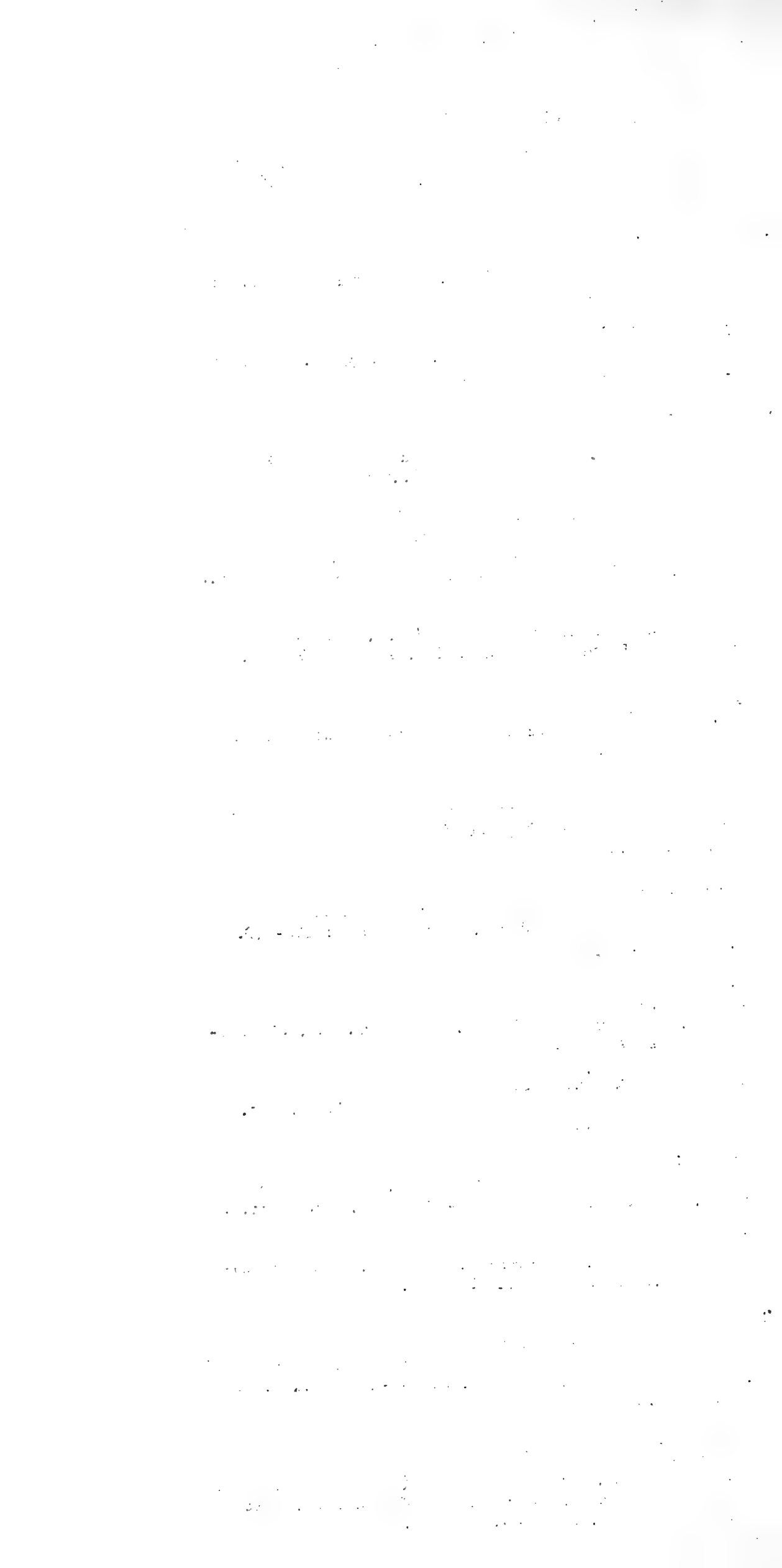
Levin, Isaac & Michael Levine

Malignancy of the crown-gall and its analogy to animal cancer
Journ. Cancer Res. 5: 243-260 illus. Jy.
1920 no.3

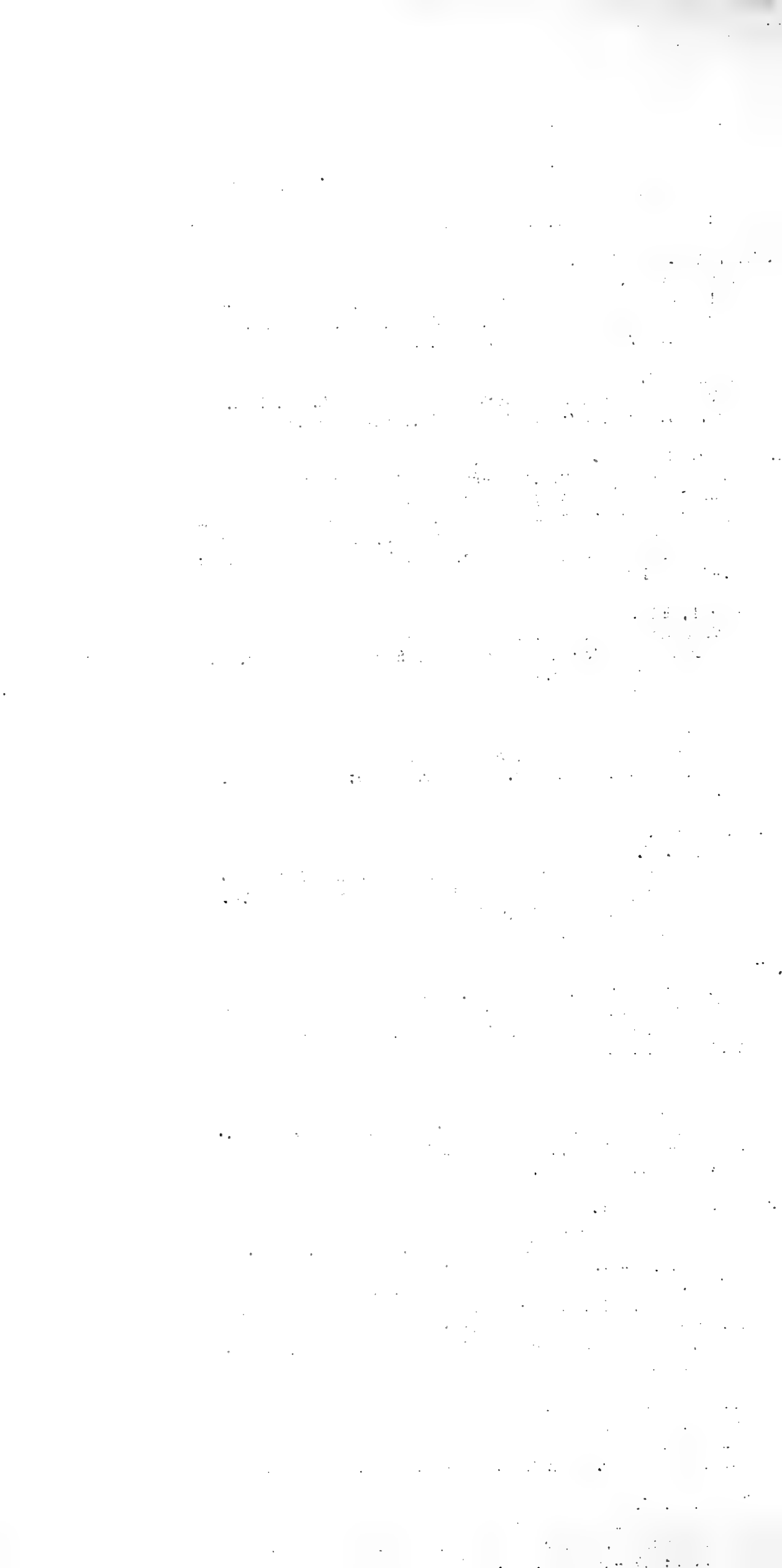
Journ. Econ. Entom.

Dudley, J. E.

Control of the potato leafhopper (*Empoasca mali* Le B.) and prevention of "hopperburn"
Journ. Econ. Entom.
13: 408-415 pl. 9 O.1920 no.5



- Journ. Gen. Physiol.
 Drwin, Marlan
 An apparatus for measuring the production of minute quantities of carbon dioxide by organisms. Comparative studies on respiration XIII. Journ. Gen. Phys. 3: 203-206 illus. N.1920 no.2
- Osterhout, W. J. V.
 A theory of injury and recovery I Journ. Gen. Phys. 3: 145-156 N.1920 no.2
 I. Experiments with pure salts
- Journ. Min. Agr. Gt. Brit.
 Gough, G. C.
 Insect and fungus pests during the winter: the importance of plant hygiene. Journ. Min. Agr. Gt. Brit. 27: 772-775 N.1920 no.8
- Taylor, H. V.
 The distribution of wart disease Journ. Min. Agr. Gt. Brit. 27: 733-738 Nov.1920 no.8
- Journ. & Proc. Roy. Soc. West Austr.
 Alexander, W.B., C.E. Lane-Poole & D.A. Herbert
 List of the principal indigenous Western Australian plants of economic importance and of naturalised aliens and weeds established in the state with their vernacular names. Journ. & Proc. Roy. Soc. West. Austr. 6: 41-46 1920 no.1
- Cheel, Edwin
 On a new species of *Daviesia* from Western Western Australia Journ. & Proc. Roy. Soc. West. Austr. 6: 35-36 1920 no.1
D. costata
- Herbert, D. A.
Xanthorrhoea reflexa, a new species of blackboy Journ. & Proc. Roy. Soc. West. Austr. 6: 33-34 1920. no.1
- Journ. Roy. Micr. Soc.
 Drew, A. H.
 Preliminary tests on the homologue of the Golgi apparatus in plants Journ. Roy. Microsc. Soc. 1920. p. 295-297 illus. S.1920 no.3
 References: p. 297
- Landw. Versuchsst.
 Pfeiffer, Theodor, A. Rippel, & C. Pfotenhauer
 Ueber den einfluss von durstperioden auf das wachstum der pflanzen Landw. Versuchsst. 96: 353-363 Ag. 1920 no.5/6
- Matières Grass.
 Wildeman, Emile de
 Sur quelques palmiers congolais Matières Grass. 12: 565-661 O.15,1920 no.150
 From Bull. du M.C.M.
- Missouri Bot. Gard. Bull.
 Native plants suitable for the gardens of Missouri and adjoining states VIII-X Missouri Bot. Gard. Bull. 8: 104-110 O.1920 no.8
 VIII. Native shrubs for mass planting, flowers inconspicuous. IX. Native trees and shrubs with bright colored foliage in Autumn and conspicuous fruit and bark in Autumn and Winter. X. Native evergreen trees and shrubs.
- Month. Bull. Dept. Agr. Calif.
 Burger, Owen F.
 Decay in citrus fruits during transportation Month. Bull. Dept. Agr. Calif. 9: 365-370 S.1920 no.9
- Shear, W. V.
 How certified seed potatoes will benefit the California potato industry Month. Bull. Dept. Agr. Calif. 9: 375-381 illus. S.1920 no.9



Nature

Saunders, E. R.

Our conceptions of the processes of heredity
Nature 106: 224-227, 255-258 O.14,21,1920 no.
2659-60.

Notes Bot. School Trinity Coll. Dublin

Dixon, H.H. & H.F. Poole

Photosynthesis and the electronic theory Notes
Bot. School Trinity Coll. Dublin 3: 90-105 S.1920.
Reprinted from Sci. Proc. R. Soc. Dublin n.s., v.16
no.2

Phytopath.

Dickson, B. T.

Sclerotinia wilt of greenhouse tomatoes. Phyto-
path. 10: 500-501 illus. N.1920
Sclerotinia libertiana

Dickson, B. T.

Stem-end rot of greenhouse tomatoes Phytopath.
10: 498-500 illus. N.1920 no.11

Durrell, L. W.

A preliminary study of the purple leaf sheath spot
of corn Phytopath. 10: 487-495 illus. N.1920.
no.11

Literature cited: p. 495

Hotson, J. W.

Collar-rot of apple trees in the Yakima valley
Phytopath. 10: 465-486. illus. N.1920.
Literature cited: p. 484-486.

Lee, H. A. & Felicisimo B. Serrano

Banana wilt in the Philippines Phytopath. 10:
504-505 N.1920 no.11

Lyman, G. R.

The summer field meeting of the American phytopath-
ological society Phytopath. 10: 496-498 N.1920.
no.11

McLarty, H. R.

A suspected mosaic disease of sweet clover Phy-
topath. 10: 501-503 illus. N.1920 no.11

Publ. Inst. Bot. Univ. Genève

Chertou, Marie

Recherches sur les lacistémacées et les symplocacées
Publ. Inst. Bot. Univ. Genève s.9, f.11 50 p. illus.
1918

Teding van Berkhout, P.I.

Etude d'une substance sucrée du Polygala amara
Publ. Insti Bot. Univ. Genève s.9, f. 9 57 p. 1918

Quart. Journ. Ind. Tea Assoc.

Tunstall, A. C. & S.C. Bose

The fungus diseases of the tea leaf Quart. Journ.
Indian Tea Assoc. 1920. p. 19-25, 37-43 3 pl.

Queensl. Nat.

White, C. T.

Two interesting fungi Queensl. Nat. 2: 80-82
illus. Jy.1920

Lysurus gardneri Berk., L. pentagonus (Bail.) C.T.
White new comb.

Rec. Trav. Bot. Néerl.

Van den Bos, E. C.

Action stimulante des azotés sur la germination de
l'Amarantus caudatus Rec. Trav. Bot. Néerl. 17:
69-128 1920 no.1/2

Vientjes, K.

Accélération della germination sous l'influence des
acides Rec. Trav. Bot. Néerl. 17: 33-68 1920.
no. 1/2

Bibliographie: p. 57-68.



Rep. Bot. Exch. Club Brit. Isles

Druce, G. C.

The extinct and dubious plants of Britain. Rep.
Bot. Exch. Club Brit. Isl. 5: 731-799 O.1920. no.5

Turrill, W. B.

Glechoma hederacea L. and its sub-divisions Rep.
Bot. Exch. Club Brit. Isles 5: 694-701 O.1920 no.5

Rep. Brit. Assoc. Adv. Sci.

Morris, S. D.

Address [presidential address before Section K,
botany] Rep. Brit. Assoc. Adv. Sci. 87(1919): 316-
331. 1920

Rev. Agr. Com. y Trab. Havana

Roig, J. F., M. Cremata & S.C. Bruner

Exploracion botanica en la cienaga de Zapata Rev.
Agric. Com. y Trab. Cuba 3: 213-221. illus.(map)
Jy.1920 no.8

Rev. Agr. Puerto Rico

Legrand, J. F.

Plantas útiles de Puerto Rico Rev. Agr. Puerto
Rico 5(4): 1-11 illus. O.1920

Rev. Industri. y Agr. Tucumán

Fawcett, G. L.

La enfermedad de las rayas amarillas de la cana.
Rev. Ind. y Agr. Tucumán 10: 46-48 Jy.1919

Fawcett, G. L.

La verruga o "scab" de los citrus Rev. Ind. y
Agr. Tucuman 10: 124-128 illus. 1920 no. 7/8
Cladosporium citri.

Science

Johnston, E. S.

A method of studying the absorption-transpiration
ratio in nutrient media Science 52: 517-518 N.
26, 1920 no.1352

Scient. Month.

Pool, R. J.

At timber-line in the land of Tahosa, an introduction
to the aged gnomes of al Alpine elfin-wood Scient.
Month. 11: 481-501 illus. D.1920 no.6

U.S.Dept.Agr.Bull.

Doolittle, S.P.

The mosaic disease of cucurbits U.S.Dept.Agr.
Bull. 879 69 p. x pl. Nov.15,1920
Literature cited: p. 68-69.

U.S.Dept. Agr. Farm. Bull.

McMurrin, S.M. & Demaree, J.B.

Diseases of southern pecans. U.S.Dept. Agr. Farm.
Bull. 1129 22 p. illus. S.1920.

Vie Agr. et Rur.

Malpeaux, L.

Défendons nos semences de blé contre les maladies
charbonneuses. Vie Agr. et Rur. 17: 260-264 il-
lus. O.1920 no.44
Tilletia caries

Zeitschr. Bot.

Dahlgren, K. V. O.

Zur embryologie der kompositen mit besonderer berück-
sichtigung der endosperm-bildung Zeitschr. Bot. 12:
481-516 illus. 1920 no.9
Literaturverzeichnis: p. 514-516.

Zeitschr. Induk. Abstamm. u. Vererbungsl.

Gauger, Martin

Die Mendelschen zahlenerihen bei monohybriden im lichte
der dispersionstheorie. Zeitschr. Indukt. Abstamm.
u. Vererbungsl. 22: 145-198 Mr.1920 no.3

Zeitschr. Indukt. Abstamm. u. Vererbungsl.

Kappert, H.

Ueber das vorkommen vollkommener dominanz bei einem
quantitativen merkmale. Zeitschr. Indukt. Ab-
stamm. u. Vererbungsl. 22: 199-209 Mr.1920 no.3

Lehmann, Ernst

Zur terminologie und begriffsbildung in der verer-
bungslehre Zeitschr. Indukt. Abstamm. u. Verer-
bungsl. 22: 236-260 My.1920 no.4

Literatur: p. 258-260

Malinowski, Edmund

Die sterilität der bastarde im lichte des mendelis-
mus. Zeitschr. Indukt. Abstamm. u. Vererbungsl.
22: 225-235 My.1920 no.4

Zitierte literatur: p. 233

Stomps, T. J.

Ueber zwei typen von weissrandbunt bei *Oenothera*
biennis L. Zeitschr. Indukt. Abstamm. u. Ver-
erbungsl. 22: 261-274 My.1920 no.4

Wisselingh, Cornelius van

Ueber variabilität und erblichkeit Zeitschr.
Indukt. Abstamm. u. Vererbungsl. 22: 85-125 Ja.1920.
no. 2

New Books

National research council - Crop protection institute

The establishment of a Crop protection institute, a
get-together movement on the part of three great
groups - the intelligent grower, the scientist and the
business man - to mutually consult regarding common
problems and unitedly undertake their solution...

[Washington, D.C., 1920]

6 p., 4 l.

Mimeographed.

Contains Constitution and By-laws.

Peglion, Vittorio

Le nostre piante industrial. n.d. (*L'Italia*
nuova... ser. 8, v.4)

Plüss, B.

Unsere bäume und sträucher 8.u.9. verb.aufl.
1919

Schudel, Gustav

Ueber die anthocyane von *Beta vulgaris* L. 1918.

Vilmorin, P. L. de

Manuel de floriculture 1920.

Wilbrink, G.

De gonzielte van het suikerriet, aard oorzaak en
hare bestrijding. 1920

127 p. (Meded. Proefst. Java Suikerind.)

Reprinted from Arch. Suikerind. Nederl.-Ind. v.28,
nos. 33-34.

ins (Main Libr.)
Agron. Colon.

Chalot, Charles
Un Myrobalan a papier (*Terminalia arjuna* Bedd.)
Agron. Colon. 5: 111-112 0.1920 no.34

Odoardo Beccari Agron. Colon. 5: 115 0.
1920 no.34
Obituary notice, Beccari died 0.25,1920.

Prudhomme, Emile
Les fruits du "*Rhus succedanea*" d'Indochine et la
"cire du Japon" Agron. Colon. 5: 97-102 0.
1920. no.34

Schribaux, Emile
Désinfection des graines de coton par la chaleur
sèche Agron. Colon. 5: 103-104 0.1920 no.34

Amer. Bot.

Clute, W.N.
Plant names and their meanings V Rosaceae III
Amer. Bot. 26: 116-124 N.1920 no.4

Clute, W.N.
The rarest American plants Amer. Bot. 26: 127-
129 N.1920 no.4
Sphaeralcea remota

Clute, W.N.
The toad lily, *Tricyrtis hirta* Amer. Bot. 26:
129-140 illus. N.1920 no.4

Hardy, M. E.
Christmas roses Amer. Bot. 26: 125-127 N.
1920 no.4

Nelson, J. C.
Under which code? Amer. Bot. 26: 129-135
N.1920 no.4

Soth, Mrs. B. H.
The Alpine spring beauty Amer. Bot. 26: 115
pl. N.1920 no.4
Claytonia megarrhiza

Water cress native. Amer. Bot. 26: 144 N.
1920 no.4

Amer. Journ. Bot.

Bailey, I. W.
The cambium and its derivative tissues II Amer.
Journ. Bot. 7: 355-367 N.1920 no.9

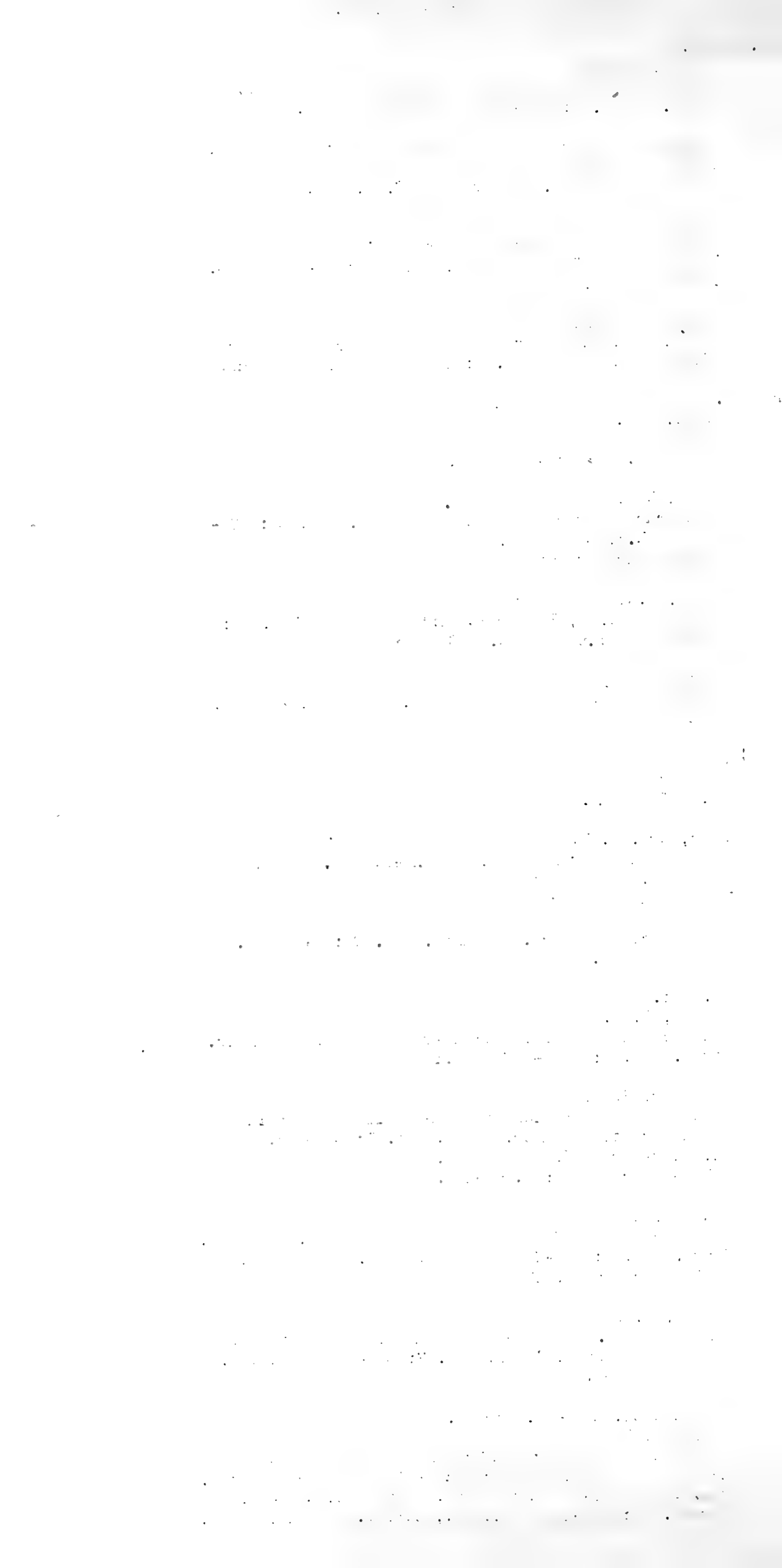
Friesner, R. C.
Daily rythms of elongation and cell division in
certain roots Amer. Journ. Bot. 7: 380-407.
pl. xxiv-xxv N.1920 no.9
Literature cited: p.404-406.

Knudson, Lewis
The secretion of invertase by plant roots. Amer.
Journ. Bot. 7: 371-379 illus. N.1920 no.9
Bibliography: p. 379

Wright, R. C.
An apparatus for determining small amounts of carbon
dioxide Amer. Journ. Bot. 7: 368-370 illus.
N.1920 no.9

Arb. Biol. Reichanst. Land- u. Forstw.

Seeliger, Rudolf
Die abstossung der primären rinde und die ausheilung
des wurzelbrandes bei der zuckerrübe (*Beta vulgaris* L.
var. *rapa* Dum.) Arb. Biol. Reichanst. Land- u.
Forstw. 10: 141-148 illus., col.pl. i 1919 no.2



Arb. Forsch-Inst. Kartoffelb.
Wollenweber, H.W.
Der kartoffelschoef Berlin.1920 102 p. ii pl.
(Arb. Forschungsint. Kartoffelb. h.2)

Asia

Fairchild, David & F.N.Meyer
An agricultural explorer in China. Asia 21: 7-13
illus. Ja.1921 [Dec.1920]

Biol. Zentralbl.

Stomps, T. J.
Ueber die verschiedenen zustände der pangene Biol.
Zentralbl. 37: 161-177 illus. Ap.1917

Boll. Mens. R. Staz. Patol. Veg. Roma

Girardi, José
La clorosis de la plantas Bol. Mens. Defensa Agr.
Uruguay 1920 p.300-302 N.1920 no.11

Girardi, José
Como curar el duraznero en primavera y principio de
verano. Para combatir el Exoascus deformans y el Aphis
persicae Bol. Mens. Defensa Agr. Uruguay 1920
p.293-294 illus. N.1920. no.11

Girardi, José
Tumor bacteriano del duraznero. Bol. Mens. De-
fensa Agr. Uruguay 1920 p.279-281 illus. N,
1920.

Bacterium persicae.

Bot. Gaz.

Chamberlain, C. J.
Grouping and mutation in Botrychium Bot. Gaz. 70:
387-398 illus. N.1920[Dec.] no.5
Contr. Hull Bot. Labor. 273

Seifrizz, William
Viscosity values of protoplasm as determined by mic-
rodissection Bot.Gaz. 70: 360-386 N.1920[Dec.]
no.5
Literature cited: p.385-386.

Sherff, E. E.
North American species of Taraxacum Bot. Gaz.
70: 329-359 pl. xxxi-xxxiii N.1920[Dec.] no.5

Stevens, F.L.
New or noteworthy Porto Rican fungi Bot. Gaz. 70:
399-402 illus. N.1920 [Dec.] no.5

Bryologist

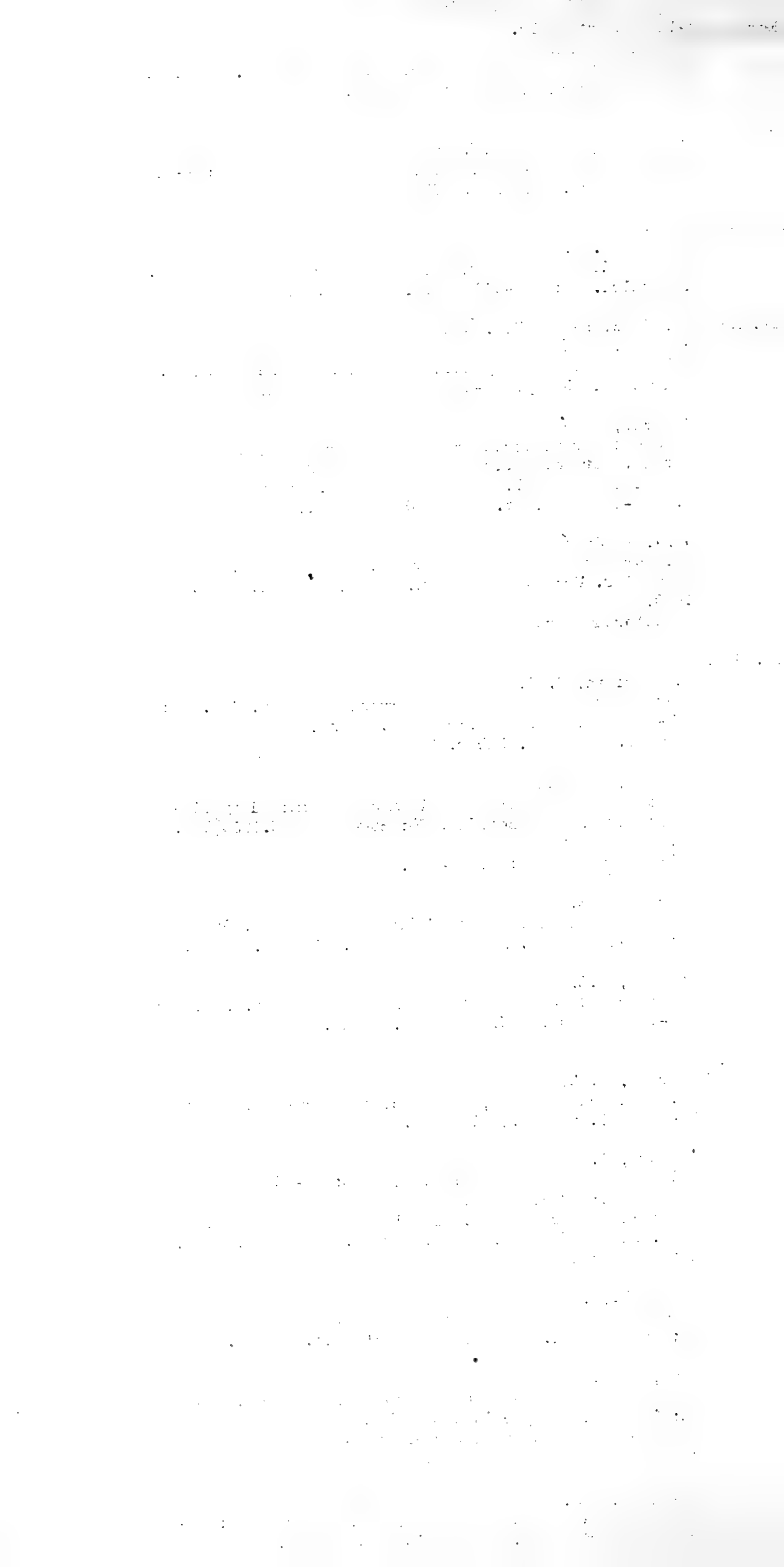
Andrews, A. L.
Tortula caroliniana, new species Bryologist 23:
72-76 pl. v S.1920 no.5

Andrews, A. L.
Ingebrigt Hagen Bryologist 23: 79-80 S.
1920 [Rec'd Dec.] no.5
English abstract of N. Wille's biographical notice
in K. Norske Vidensk. Selsk. Skrift, 1917 publi 1918,
with some additional notes

Dixon, H. N.
Contributions to Antarctic bryology Bryologist
23: 65-71 pl.i7 S.1920 [Rec'd Dec.] no.5

Frye, T. C.
Notes on useful and harmful mosses. Bryologist
23: 71. S.1920 [Rec'd Dec.] no.5
Mosses that grow on roofs and cause decay of shingles,
one moss injurious to lawns.

Williams, R.S.
Sematophyllum smallii sp.nov. Bryologist 23: 76-
78 pl.vi S.1920 [Rec'd Dec.] no.5



- Bull. Imp. Inst. Gt. Brit.
The caa-che plant as a sweetening agent. Bull.
Imp. Inst. 18: 123-125. Ja./Mr.1920 no.1
Stevia rebaudiana
- Bull. Jard. Bot. Buitenzorg
Backer, C.A.
Contributions ad cognitionem florae Indiae Batavae.
Bull. Jard. Bot. Buitenz. III, 2: 315-330 S.1920.
- Docters van Leeuwen, W.M.
In memoriam Sr. S.H.Koorders Bull. Jard. Bot.
Buitenz. III, 2: 237-241 port. S.1920 no.3
- Gorter, K.
Sur la distribution de la lycorine dans la famille
des amaryllidacées (suite) Bull. Jard. Bot.
Buitenz. III, 2: 331-334 S.1920 no.3
- Koorders, S. H.
Supplement op het eerste overzicht der Flora van
N.O.Celebes, tevens verslag eener botanische dienstreis
door de Mina hasa (Enumeratio specierum phanerogamarum
Minahasa. Suppl.) Bull. Jard. Bot. Buitenz. III,
2: 242-260 pl.4-7 S.1920 no.3
Reprinted
- Valeton, Theodoric
Cominsia minor Val. (Marantaceae) Bull. Jard.
Bot. Buitenz. III, 2: 351-353 pl.11 S.1920 no.3
- Valeton, Theodoric
Some new and newnamed species of Amomum sectio
Euamomum K. Sch. Bull. Jard. Bot. Buitenz. III, 2:
354-356 S.1920 no.3
Amomum stenocarpum, A. blumeanum, A. dealbatum.
- Valeton, Theodoric
Stichianthus Val. genus novum rubiacearum. Bull.
Jard. Bot. Buitenz. III, 2: 349-350 pl.10 S.1920.
no.3
S. minutiflorum
- Valeton, Theodoric
Zwei rhizophoraceen Bull. Jard. Bot. Buitenz.
III, 2: 346-348 pl.8-9 S.1920 no.3
Pellacalyx axillaris, Carallia hulstijnii
- Bull. Misc. Inform. Kew
J.B.Baker. Bull. Misc. Inform. Kew 1920 p.319-
320. no.9
Obituary notice
- Craib, W.G.
Contributions to the floras of Siam, Additamentum XI
Bull. Misc. Inform. Kew 1920 p.300-305 no.9
- Sprague, T. A.
Stellaria or Alsine Bull. Misc. Inform. Kew 1920
p.308-318 no.9
- Wakefield, E.M.
Diseases of the oil palm in West Africa Bull.
Misc. Inform. Kew 1920 p.306-308 pl. no.9
- Wakefield, E.M.
Fungi exotici: XXV. Notes on Uganda fungi II. Mic-
rofungi Bull. Misc. Inform. Kew 1920 p.289-300
no.9
- Bull. Soc. Etude & Vulg. Zool. Agr.
Dufrenoy, Jean
Observations biologiques sur les xylophages du pin
maritime et leurs parasites Bull. Soc. Etude &
Vulg. Zool. Agr. 19: 65-70 illus. Jy.1920
Les rapports des xylophages et des champignons:
p.67-70.

[The page contains extremely faint and illegible text, likely bleed-through from the reverse side of the document. The text is too light to transcribe accurately.]

- Bull. Soc. Nat. Acclim. France
Bois, Desiré
Le parc du Roucas blanc a Marseille Bull. Soc.
Nat. Acclim. 67: 163-170 N.1920 no.11
- Dode, L. A.
A propos des châtaigniers de la Chine Bull. Soc.
Nat. Acclim. France 67: 171 N.1920 no.11
- Centralbl. Bakt. Abt. II
Fulmek, Leopold & Stift, Anton
Ueber im jahre 1918 erschienebene bermerkenswerte mit-
teilungen auf dem gebiete der tierischen und pflanzen-
lichen feinde der kartoffelpflanze. Centralbl. Bakt.
abt.2, 52: 81-100 O.1920 no.4/8.
- Il Coltiv.
Giuseppe Cuboni Il Coltiv. 66: 860 N.20,1920
Obituary notice.
- Compt. Rend. Acad. Agr. France
Jumelle, Henri
Le cotonnier du sud-ouest de Madagascar Compt.
Rend. Acad. Agr. France 6: 784-788 1920 no.32
- Deut. Landw. Presse
Deissmann,
Der kartoffelkrebs, eine grosse gefahr für den kar-
toffelbau. Deutsche Landw. Presse 47: 535 S.29,
1920 no.78
- Gaul,
Die bekämpfung des weizensteinbrandes in der praxis
Deutsche Landw. Presse 47: 536-537 S.29,1920 no.78
- Pieper, H.
"Steinbrand und physiologische spaltungen"
Deutsche Landw. Presse 47: 543-544 O.2,1920 no.79
- Sessous,
Beobachtungen über steinbrandbefall Deutsche
Landw. Presse 47: 556 O.9,1920 no.81
- Wollenweber, H. W.
Die bewertung von kartoffelsorten nach ihrer wider-
standskraft gegen krankheiten. Deutsche Landw.
Presse 47: 569-570 illus., col.pl. O.16,1920
no.83.
- Florists' Exch.
Reginald Farrer Flor. Exch. 50: 1199 D.4,1920
no.23.
Obituary notice, Mr. Farrer died Oct. 16 while on
plant hunting expedition in the mountain range between
Burma and China.
- Fühl. Landw. Zeit.
Müller, H. C., E. Molz, & Dr. D. Schröder
Weitere dreijährige versuche zur bekämpfung der durch
Pleospora trichostoma (= Helminthosporium gramineum)
hervorgerufenen streifenkrankheit der gerste Fühl.
Landw. Zeit. 69: 321-331 S.1/15,1920 no.17/18.
- Schlumberger, Otto
Der pflanzenschutz im landwirtschaftlichen unterricht
Fühl. Landw. Zeit. 69: 336-340 S.1/15,1920 no.17/18.
- Gard. Chron.
Payne, C. H.
M. Anatole Cordonnier Gard.Chron. III, 68: 246
N.13,1920
- Ward, F. K.
The pass of the winds and waters I Gard. Chron.
III, 68: 240 N.13,1920 no.1768
- Idaho For.
Schmitz, Henry
The present trend of forest pathology Idaho For.
1920 p.13-17

1941

1. The first part of the report deals with the general situation of the country and the progress of the war.

2. The second part of the report deals with the economic situation and the progress of the war.

3. The third part of the report deals with the social situation and the progress of the war.

4. The fourth part of the report deals with the political situation and the progress of the war.

5. The fifth part of the report deals with the military situation and the progress of the war.

6. The sixth part of the report deals with the diplomatic situation and the progress of the war.

7. The seventh part of the report deals with the cultural situation and the progress of the war.

8. The eighth part of the report deals with the scientific situation and the progress of the war.

9. The ninth part of the report deals with the literary situation and the progress of the war.

10. The tenth part of the report deals with the artistic situation and the progress of the war.

11. The eleventh part of the report deals with the sports situation and the progress of the war.

12. The twelfth part of the report deals with the health situation and the progress of the war.

13. The thirteenth part of the report deals with the education situation and the progress of the war.

Jahresb. Ver. Angew. Bot.

Müller, Karl

Die bekämpfung der rebenperonospora nach der inkubationskalendernmethode Jahresb. Ver. Angew. Bot. 16: 21-28 Ja.1919 no.2

Westerdijk, Johanna

Das spritzen der kartoffeln in den Niederlanden Jahresb. Ver. Angew. Bot. 16: 132-138 Je.1919 no.3

Wieler,

Rauchschäden bei kokereien. Jahresb. Ver. Angew. Bot. 16: 64-76 Ja.1919 no.2

Zillig, H.

Kriegsersatz ausländischer, technisch verwerteter pflanzenfasern. Jahresb. Ver. Angew. Bot. 16: 79-116 1919

Wichtigste literatur: p. 111-116.

Journ. Bd. Agr. Brit. Guiana

Waby, J.F.

Notes on a collection of preserved dry fruits and seeds (cont.) Journ. Bd. Agr. Brit. Guiana 13: 192-194 O.1920 no.4

Journ. Landw.

Baumann, E.

Beiträge zur frage der individual- und der immunitätszüchtung bei der kartoffel. Journ. Landw. 68: 145-205. illus. 2 pl. Ag.1920. no.3

K. Landtbr. Akad. Handl. o. Tidskr.

Henning, Ernst

F. Kölpin Ravn K. Landtbr.-Akad. Handl. o. Tidskr. 59: 352-354 port. 1920 no.6

Missouri Bot. Gard. Bull.

Native plants suitable for the gardens of Missouri and adjoining states XI Native trees arranged according to form of outline Missouri Bot. Gard. Bull. 8: 117-120 N.1920 no.9

Naturw. Wochenschr.

Fritsch, Karl

Das individuum im pflanzenreich Naturw. Wochenschr. n.f., 19: 609-617 S.26,1920 no.39
Literaturverzeichnis: p. 317.

Naturw. Zeitschr. Forst- u. Landw.

Merker, Gustav

Ein neuer pilzschädling im fichtenpflanzgarten Naturw. Zeitschr. Forst- u. Landw. 18: 213-219 Ag./S.1920

Rhizoctonia violacea

Tubeuf, Carl von

Einbruch der kiefernmistel nach Bayern von Süden. Naturw. Zeitschr. Forst- u. Landw. 18: 230-232 Ag./S.1920 no.8/9.

Tubeuf, Carl von

Nomenklaturfragen Naturw. Zeitschr. Forst- u. Landw. 18: 232-233 Ag./S.1920 no.8/9.

Tubeuf, Carl von

Rhizoctonia violacea an fichten Naturw. Zeitschr. Forst- u. Landw. 18: 233-234 Ag./S.1920 no.8/9.

Tubeuf, Carl von

Die wirtspflanzen von Peridermium strobi Naturw. Zeitschr. Forst- u. Landw. 18: 214-215 Ag./S.1920 no.8/9.

Oesterr. Bot. Zeitschr.

Janchen, Erwin

Vorarbeiten zu einer flora der umgebung von Skoira in Nord-Albanien (fortsetz.) Oesterr. Bot. Zeitschr. 69: 167-187 Jy./Ag.1920 no.7/8.

1912

...

...

...

...

...

...

...

...

...

Parfum. Mod.

Gattefossé, Jean
Les ressources aromatiques du Maroc Parfum.
Moderne 13: 197-205. illus. O.1920 no.10

Philipp. Journ. Sci.

Merrill, E.D.
Notes on Philippine Euphorbiaceae III Philipp.
Journ. Sci. 16: 539-579 Je,1920 [Oct.] no.6

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

Fletcher, J. J.
On the correct interpretation of the so-called phyl-
lodes of the Australian phyllodineous Acacias Proc.
Linn. Soc. N.S.W. 45: 24-47 pl. i-viii 1920 no.1

Progr. Agr. & Vitc.

Pellaton,
A la recherche de nouveaux remèdes contre le mildiou
Progr. Agr. et Vitic. 72: 512-513 N.23,1920 no.48

Repert. Spec. Nov. Fedde

Beccari, Odoardo
Palmae novae antillanae Repert. Spec. Nov. Fedde
16: 436-437 Jy.1920
Geonoma dussiana, Euterpe broadwayana, Bactris sword-
eriana.

Bitter, Georg

Solana nova vel minus cognita XIX Repert. Spec.
Nov. Fedde 16: 389-409 Jy.1920 no.468/473

Harms, Hermann

Berichtigung Repert. Spec. Nov. Fedde 16: 450.
Jy.1920 no.468/473
Acacia feddeana replacing his A. fiebrigii, that
name being already in use.

Kränzlin, Friedrich

Zwei namensänderungen bei Calceolaria Repert.
Spec. Nov. Fedde 16: 450 Jy.1920 no.468/473
C. larecajensis, C. ludens.

Kükenthal, Georg

Cyperaceae novae V Repert. Spec. Nov. Fedde 16:
430-435 Jy.1920 no.468/473

Mez, Carl

Additamenta monographica 1919 III Repert. Spec.
Nov. Fedde 16: 410-425 Jy.1920 no.468/473
Myrsinaceae; Theophrastaceae (Clavija gracilis)

Pilger, Robert

Ueber einige Gramineae der Skottsbergischen sammlung
von Juan Fernandez. Repert. Spec. Nov. Fedde 16:
385-388 Jy.1920 no.468/473

Schlechter, Rudolf

Orchidaceae novae et criticae Decas LXVI-LXVII
Repert. Spec. Nov. Fedde 16: 437-450 Jy.1920 no.468/
473.

Schlechter, Rudolf

Studium zur klärung der gattung Rodriguezia Ruiz et
Pav. Repert. Spec. Nov. Fedde 16: 425-430 Jy.
1920 no.468/473.

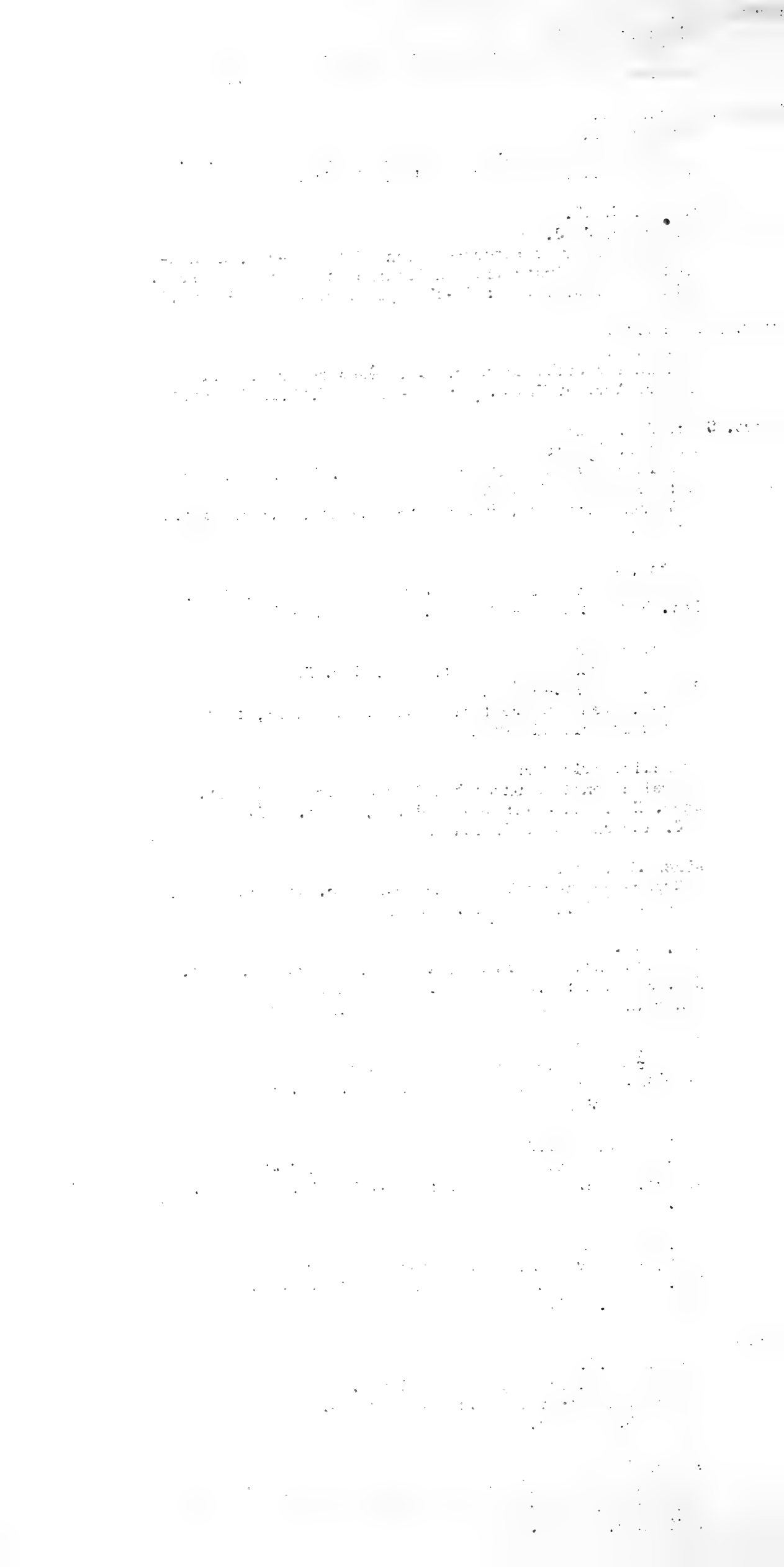
Rhodora

Fernald, M.L.

Rubus recurvicaulis Blanchard var. armatus n.var.
pedicellis setosis, setis acicularibus. Rhodora 22:
168 O.1920[Dec.] no.262

Grier, N.M.

Light correlated variations of the sterile stem of
Equisetum sylvaticum Rhodora 22: 165-167 O.
1920 [Dec.] no.262



Rhodora

Mackenzie, K. K.
Scientific names applicable to our purple-flowered
Eupatoriums. Rhodora 22: 157-165 O.1920 [Dec.]
no.262

Ward, H. A.
A new station for Gaylussacia brachycera Rhodora
22: 167-168 O.1920 [Dec.] no.262

Science

Hoagland, Dennis Robert
Optimum nutrient solutions for plants Science
52; 562-564 D.10, 1920 no.135+

Mackie, W. W. & F.N.Briggs
Fungicidal dust for control of smut Science 52:
540-541. D:3,1920 no.1353.

Sci. Amer. Month.

Gardner, H. A.
Effect of colored light upon plant growth Scient.
Amer. Month: 2: 313 illus! D.1920 no.4

The mountain pride of Jamaica Sci. Amer. Month.
2: 332 illus. D:1920 no.4
Spathelia simplic.

So.Afr.Journ.Nat.Hist.

Doidge, E. M.
Some changes in nomenclature of South African Ascomy-
cetes So.Afr.Journ.Nat.Hist. 2: 39-41 Mr.1920
no.1

Various species of Meliola referred to Irene; Melio-
laster previously described by Theissen as Amazonia; M.
mackenzii without doubt identical with A. asterinoides

Presentation of the Capt. Scott memorial medal to Dr.
I. B. Pole Evans, on 15th May, 1919 So. Afr. Journ.
Nat. Hist. 2: 12-18 pl. Mr.1920 no.1
Scientific papers by I.B.Pole Evans: p.15-18.

Phillips, E. P.
The importance of a properly equipped state herbarium
to an agricultural country So.Afr.Journ.Nat.Hist. 2:
18-39 Mr.1920 no.1
Literature cited: p.36-39.

So. Afr. Journ. Sci.

Phillips, E. P.
The genus Borbonia Linn. (Leguminosae) So. Afr.
Journ. Sci. 16: 397-410 illus. (map), pl. xxxiv-xxx-
viii. Ap./Jy.1920 no.5

Phillips, E. P.
Three noteworthy species of plants from South Africa
So. Afr. Journ. Sci. 16: 429-431 pl. xxxix Ap./Jy.
1920

Protea rhodantha, Knopfia northiae, Euphorbia
monteira.

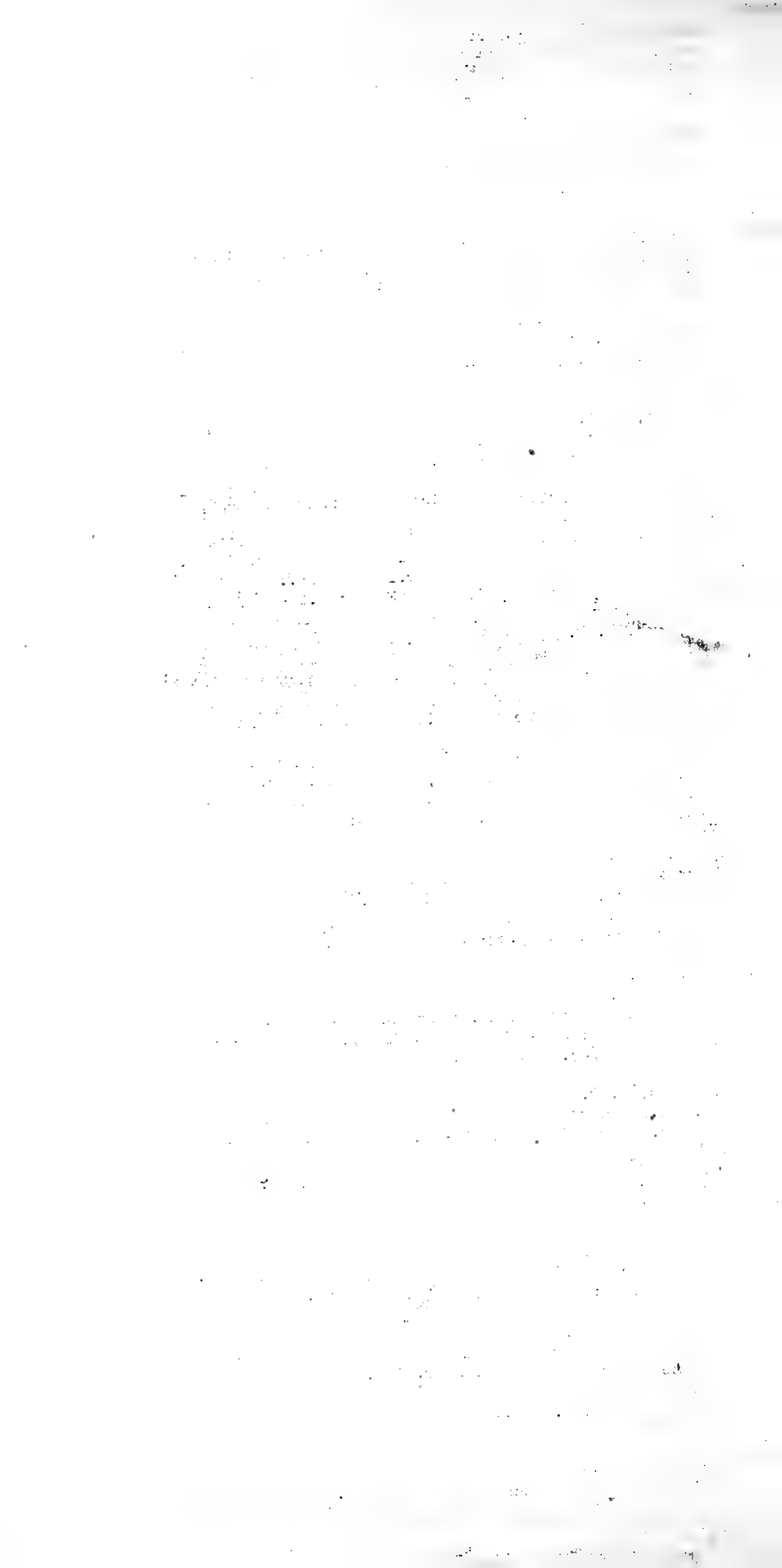
Staz. Sper. Agr. Ital.

Pavarino, G. L. & G. Castellari
Il falasco nell'industria della carta Staz. Sper.
Agr. Ital. 53: 32-46 pl.i 1920 no.1/3

Peyronel, Beniamino
Alcuni casi di rapporti micorizici tra boletinee ed
essenze arboree Staz. Sper. Agr. Ital. 53: 24-31
1920 no.1/3.
Bibliografia: p.30-31.

Thar. Forstl. Jahrb.

Bernbeck, Oskar
Wind und pflanze (Schluss) Kapitel IV. Das absterben
der pflanzen im winde Thar. Forstl. Jahrb. 71: 157-
193 1920
Literaturnachweis: p.186-193.



Tijdschr. Plantenz.

Leendertz, J.

Eene Botrytis-ziekte op roode bessen en rabarber
Tijdschr. Plantenz. 26: 173-175 1920 no.7

Slogteren, Egbertus van

De nematoden-bestrijding in de bloembollenstreek (concl.)
Tijdschr. Plantenz. 26: 161-171, 177-188 illus. pl. xi
1920 no. 7,8.

Verhoeven, W. B. L.

Plantenziekten, waarmede rekening moet worden gehouden
bij de veldkeuring. Tijdschr. Plantenz. 26: 149-159
pl. viii-x. 1920 no.6

Trans. Amer. Micros. Soc.

Gilbert, E. M.

A peculiar entomophthorous fungus Trans. Amer.
Micros. Soc. 38: 263-269 pl. xxvii-xxviii O.1919
[D.1920] no.4
Bibliography: p. 267-268.

Steil, W. N.

The distribution of the archegonia and the antheridia
on the prothallia of some homosporous leptosporangiate
ferns. Trans. Amer. Micros. Soc. 38: 271-274
illus. O.1919 [D.1920] no.4

Taylor, F. B.

Diatoms - new genera and species Trans. Amer.
Micros. Soc. 38: 283-290 O.1919 [D.1920] no.4

U. S. Dept. Agr. Farm. Bull.

Tisdale, W.H.

The brown-spot of corn with suggestions for its con-
trol. U.S.Dept.Agr.Farm. Bull. 1124 9 p. illus.
O.1920

Zeitschr. Bot.

Stoppel, Rose

Die pflanze in ihrer beziehung zur atmosphärischen
elektrizität Zeitschr. Bot. 12: 529-575 1920
no.10
Literatur! p. 572-575

Exper. Stat. Publ.

Fields, W. S. & J.A.Elliott

Making bordeaux mixture and some other spraying
problems. Arkansas Agr.Exp.Stat.Bull. 172 12
p. illus. Jy.1920

Rosen, H. R.

The mosaic disease of sweet potatoes. Arkansas
Agr.Exp.Stat. Bull. 167 10 p. v pl. Ap.1920
List of references: p. 9

Manns, T. F.

Report of plant pathologist and soil bacteriologist
Ann.Rep.Delaware Agr.Exp.Stat. 1918/19 (Its Bull.
125): 24-28 D.1919

Roberts, H. F.

Principal noxious weeds of Kansas Kansas Agr.
Exp. Stat. Circ. 841 19 p. illus. O.1920.

Swingle, D.B.

Department of botany and bacteriology Ann.
Rep. Montana Agr. Exp. Stat. 26 (1918/19): 24-26
F.1920.

Edgerton, C. W.

[Report of] Dept. of plant pathology Ann.
Rep. Louisiana Agr.Exp.Stat. 31 (1919): 21-22 1920.

Folsom, Donald

Potato mosaic Maine Agr. Exp. Stat. Bull.
292: 157-184 2 pl. Ag.1920

Exper. Stat. Publ.

Anthony, R. D.
Asexual inheritance in the violet (*Viola odorata*)
New York Agr. Exp. Stat. Techn. Bull. 76 55 p. Mr.
1920

Tower, W. V.
Report of the entomologist Rep. Porto Rico Agr.
Exp. Stat. 1919 p.21-25 1920
Contain notes on Mottling disease of sugar cane, &
citrus scab.

New Books

Chalot, Charles & Bernard, U.
Culture et préparation de la vanille 1920
Maladies et ennemis: p. 125-140.

Chancerel, Lucien
Flore forestière du globe Paris, 1920.

Doflein, Franz
Das problem des todes und der unsterblichkeit bei den
pflanzen und tieren. Jena, G. Fischer, 1919 119 p.

Eriksson, Jakob
Les maladies cryptogamiques des plantes agricoles et
leur traitement. Tr. du suedois par Mme. Signe Hagman...
Paris, Libr. agricole de la Maison rustique, 1914 254 p.

Goebel, Karl
Die entfaltungsbewegungen der pflanzen und deren tel-
eologische deutung Jena, G. Fischer 1920 483 p.

Hartmann, Johannes
Die krankheiten und tierischen schädlinge der gemüse-
pflanzen 54 p. illus. Leipzig, [1919]

House, H. D.
Wild flowers of New York Albany, 1918 [1920] v.1
colipl. (Mem. 15 N.Y. State Mus.)

Howard, A.L.
Timbers of the world 1920

McGill & Smith
British grasses [1920] LXV pl.

Maiden, J.H.
Critical revision of the genus *Eucalyptus* pt.42 (v.5,
no.2) 1920

Paxton, Sir J.
The calendar of garden operations. New & enl. ed.
London, 1920.

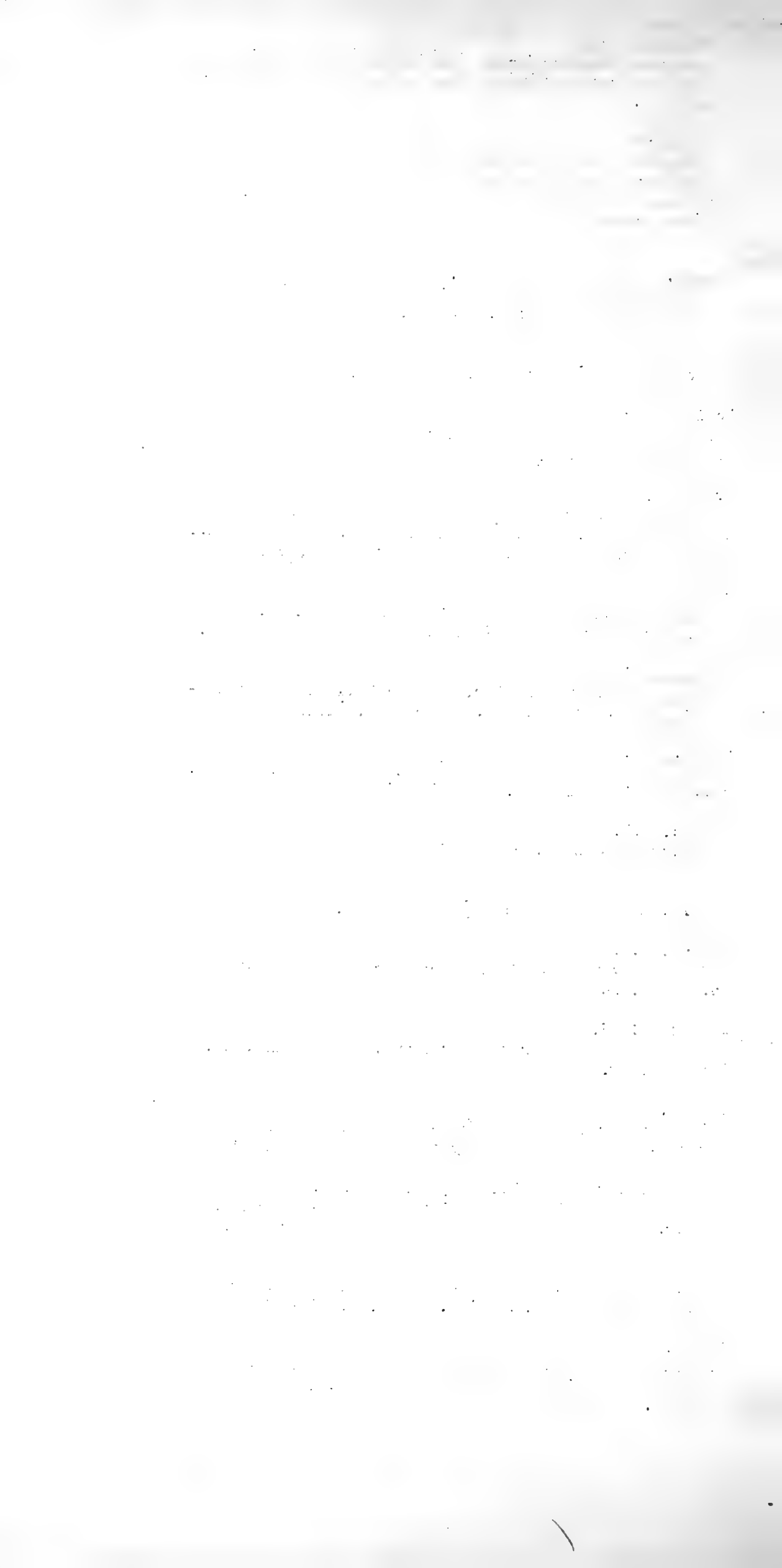
Perrot, Emile
La gomme arabique, le séné et quelques autres produits
végétaux du Soudan angle-égyptien Paris, 1920 72 p.

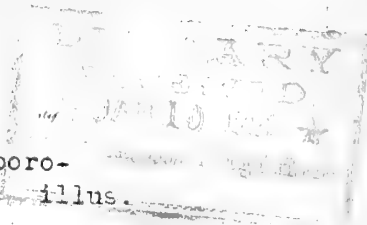
Das pflanzenreich h. 71, May, 1920 139 p.
Additamentum ad Araceas-philodendroideas. Von A.
Engler. Araceae-colocasioideae von A. Engler u. K. Krause

Pruessner, A. H.
Date culture in ancient Babylonia 1920 Repr. from
Ane. Journ. Sem. Lang. & Lit. v.36, p. 213-232 Ap.1920.

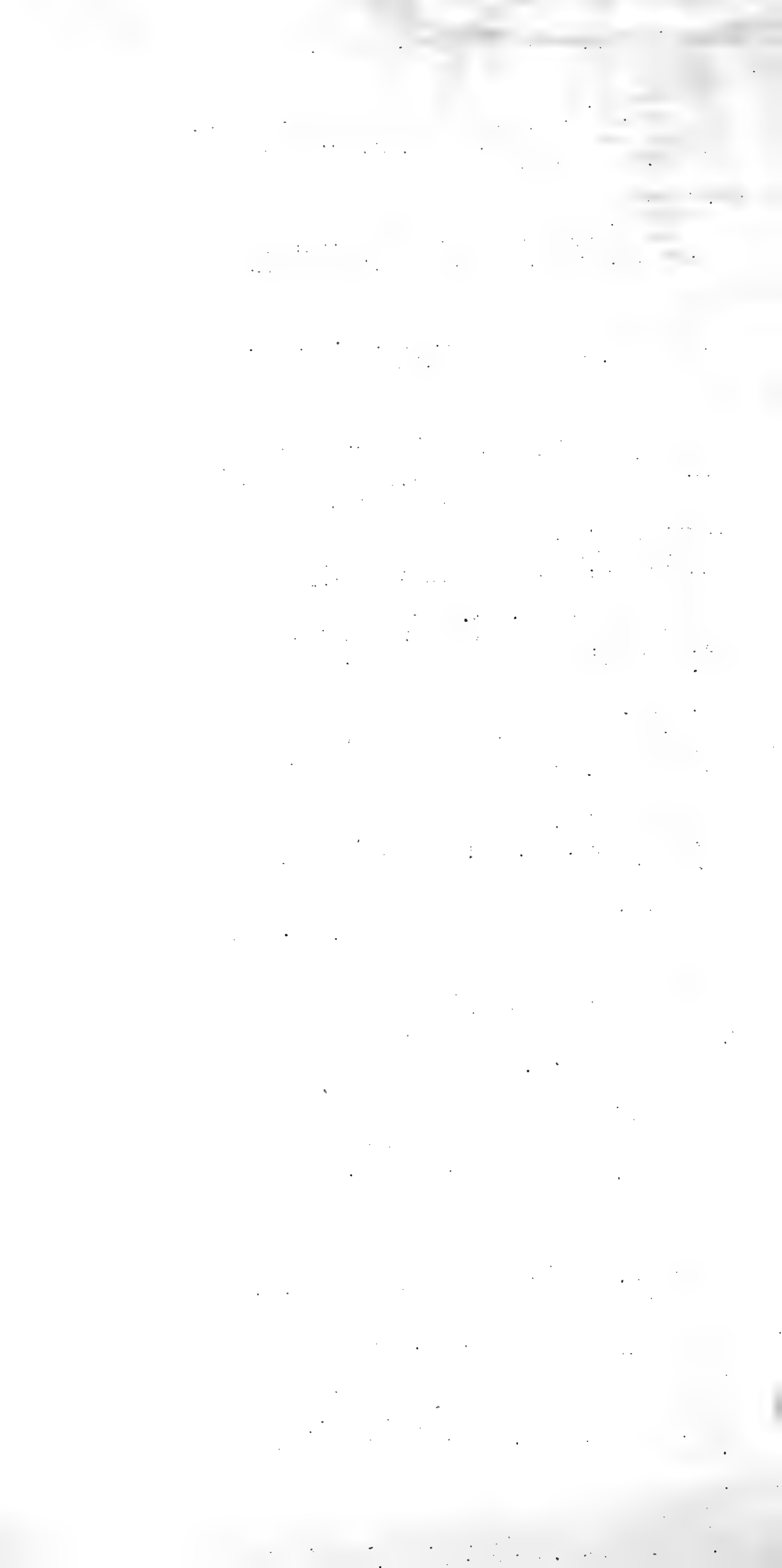
Smith, E. F.
An introduction to bacterial diseases of plants
Philadelphia & London, W.B.Sanders Co., 1920
688 p. illus.

Winkler, Hans
Verbreitung und ursache der parthogenesis in pflanzen-
und tierreiche Jena, 1920 231 p.





- Agr. Gaz. N.S.W.
 Breakwell, E.
 Popular descriptions of grasses (cont.) The Sporobolus grasses Agr. Gaz. N.S.W. 31: 789-792 illus. N.1920. no.11.
- Agr. Journ. India
 Mukerji, J. N.
 The excretion of toxins from the roots of plants Agr. Journ. India 15: 502-507 S.1920 no.5
- Amer. Flor.
 Lehenbauer, P. A.
 Snapdragon rust. Amer. Flor. 55: 865-866. illus. N.13,1920 no.1693
- Ann. Bot.
 Arber, Agnes
 On the leaf structure of certain Liliaceae, considered in relation to the phyllode theory Ann. Bot. 134: 447-465 illus. O.1920 no.136
 Alphabetical list of memoirs cited: p. 465.
- Drummond, Montagu
 Besleria lutea, Linn., a new example of watercalyx Ann. Bot. 134: 551-553 O.1920 no.136
- Ferdinandson, C. C. F. & O. Winge
 Clathrosorus, a new genus of Plasmodiophoraceae Ann. Bot. 134: 467-469 pl. xxi O.1920 no.136
 C. campanulae
- Hill, A. W.
 Studies in seed germination. Experiments with Cyclamen Ann. Bot. 134: 417-429 pl. xx. O.1920 no.136
- Hodgetts, W. J.
 A new species of Spirogyra Ann. Bot. 134: 519-524 illus., pl. xxii O.1920 no.136
 S. colligata
- Jones, W. N.
 A simple root auxanometer Ann. Bot. 134: 555-557 O.1920 no.136
- Kidd, Franklin & Cyril West.
 The rôle of the seed-coat in relation to the germination of immature seed Ann. Bot. 134: 439-446. O.1920 no.136
 Literature cited: p. 446
- Willis, J. C.
 Plant invasions of New Zealand with reference to Lord Howe, Norfolk, and the Kermadec Islands. Ann. Bot. 134: 471-492 O.1920 no.136
 Literature: p.492
- Ann. Missouri Bot. Gard.
 Burt, E. A.
 The Thelephoraceae of North America XII Ann. Missouri Bot. Gard. 7: 81-248 pl. 2-6 Ap./S. 1920 [Dec.] no. 2/3.
- Atti R. Accad. Lincei V. Rend. Cl. Sci. Fis. Mat. e Nat.
 Munerati, Ottavio
 L'influenza delle basse temperature sulla germinazione del frumento appena raccolto e dei semi così detti freschi. Atti R. Accad. Lincei, V. Rend. Cl. Sc. Fis. Mat. & Nat. 29(2): 273-275. O.1920. no. 7/8.
- Ber. Deut. Bot. Ges.
 Heinricher, Emil
 Arceuthobium oxycedri (D.C.) M. Bieb. auf cupressus Ber. Deut. Bot. Ges. 38: 220-223 S.1920 no.6



Ber. Deut. Bot. Ges.

Möbius, Martin

Ueber die gröesse der chloroplasten Ber. Deut. Bot.
Ges. 38: 224-232 S.1920 no.6

Biol. Bull.

Cowdry, N. H.

Experimental studies on mitochondria in plant cells
Biol. Bull. 39: 188-206 pl. i-ii S.1920 no.3
Bibliography: p. 198-200.

Bot. Not.

Gustafson, C. E.

Rubus wahlbergii Arrh. var. vestervicensis C. E.
G:son. Bot. Not. 1920 p. 211-212
illus. no.5

Bull. Agr. Congo Belge

Vanderyst, Hyacinth

Prodrome d'agrostologie agricole, Bas et Moyen-Congo
Belge première partie (Suite et fin) Bull. Agr.
Congo Belge 11: 107-146 Mr./Je.1920 no. 1/2

Énumération des graminées du Bas et Moyen-Congo
(suite et fin). - Causes qui déterminent la répartition
des graminées dans le Bas et Moyen-Congo.

Vermoesen,

Note sur la maladie du "coup de soleil" des cacaoyers
du Mayumbe. Bull. Agr. Congo Belge 11: 3-21 illus.
Mr./Je.1920 no.1/2

Diplodia (Lasiodiplodia) thebromae.

Bull. Soc. Hist. Nat. Afr. Nord.

Maire, René

Troisième contribution à l'étude des laboulbénielles
de l'Afrique du Nord. Bull. Soc. Hist. Nat. Afrique
Nord 11: 123-138 illus. N.15,1920 no.8

Publ. Univ. Alger Trav. Labor. Bot. Fac. Sci.

Compt. Rend. Acad. Sci. Paris

Cianician, G. & C. Ravenna

Sur la signification biologique des alcaloïdes dans
les plantes Compt. Rend. Acad. Sci. Paris 171:
836-839 N.2,1920 no.18

Dufrenoy, Jean

Sur des tumeurs bactériennes expérimentales de
l'épicéa Compt. Rend. Acad. Sci. Paris 171: 874-
876 illus. N. 2,1920

Organism isolated, not named.

On Picea excelsa

Jumelle, Henri

Le katoka, arbre à graines comestibles de Madagascar
Compt. Rend. Acad. Sci. Paris 171: 924-926 N.8,1920.
no.19

Treculia perrieri

Lesage, Pierre

Évaporomètres et mouvement des fluides au travers
des membranes Compt. Rend. Acad. Sci. Paris 171:
927-930 N.8,1920 no.19

Vincens, François

Sur les formations ligneuses anormales dans
l'écorce de l'Hevea brasiliensis Compt. Rend.
Acad. Sci. Paris 171: 871-873 N.2,1920 no.18

Not due to infection by Phytophthora Faberi.

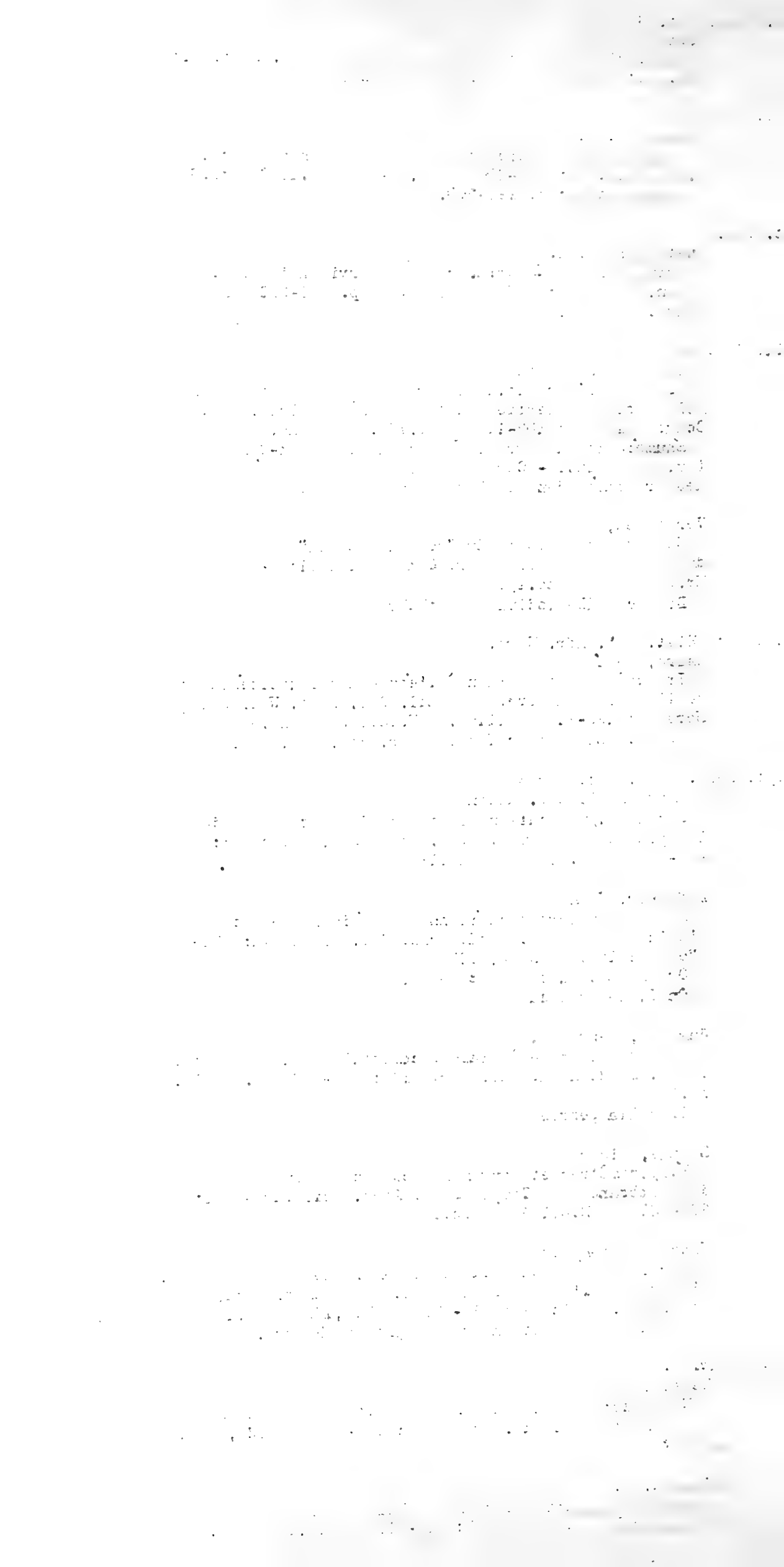
Deut. Landw. Presse

Heuser,

Nochmals: "Steinbrand und physiologische spaltungen"
I Deutsche Landw. Presse 47: 597-599 0.30,1920.
no.87

Janson, A.

Ueber den amerikanischen stachelbeermehltau
Deutsche Landw. Presse 47: 610-611 N.6,1920 no.89



Deut. Landw. Presse

Kühl, Hugo

Ueber versuche mit kolloidalen kupfer-arsenlösungen
zur bekämpfung des getreidebrandes Deut. Landw.
Presse 47: 604 N.3,1920 no.88

Estud. s. Doeng. e Paras. Cacauero Secç. Tecn. e Patol. Veg.
Campang. Agr. Ultram.

Patouillard, Narcisse

Quelques parasites du cacoyer à San Thomé Estud. s.
Doeng. e Paras. Cacueiro Secç. Tecn. e Patol. Veg.
Campanh. Agr. Ultram. 19: 41-45 1919

Gard. Chron.

Robertson Proschowsky, A.

Palms of the Riviera Gard. Chron. III, 68:
252-253 N.20,1920.

Hawaiian Plant. Rec.

Carpenter, C. W.

Pythium in relation to lahaina disease and pine-
apple wilt. Hawaiian Plant. Rec. 23: 142-174
illus. S.1920 no.3

Damping off due to Pythium sp.
Reprinted

House and Gard.

King, Mrs. Francis

The newer lilacs ... House & Gard. 39: 29,
56 illus. Ja.1921 [Dec.1920]

Journ. Agr. Prat.

Noffray, E.

Le charbon du mais. Journ. Agr. Prat. 84 (2):
394 N.11,1920.

Journ. Agr. Res.

Hawkins, Lon A. & Magness, J.R.

Some changes in Florida grapefruit in storage.
Journ. Agr. Res. v. 20, no. 5 p. 357-373 D. 1,
1920

Literature cited: p. 372-373.

Journ. Dept. Agr. So. Africa

Doidge, E. M.

A tomato canker Journ. Dept. Agr. So. Africa
1: 718-721 illus. N.1920 no.8

Bacterium vesicatorium n. sp. (Description to be
given in detail elsewhere)

Lansdell, K. A.

Pappea capensis seed. Report of the Imperial in-
stitute and illustrations of the species Journ.
Dept. Agr. So. Africa 1: 760-764 illus. N.1920
no. 8

Oil producing plant, good for soap making.

Journ. Min. Agr. Gt. Brit.

Taylor, H. V.

The distribution of wart disease (cont.) Journ.
Min. Agr. Gt. Brit. 27: 863-867 D.1920 no.9

Journ. N.Y. Bot. Gard.

Britton, N. L.

Report...upon a visit to botanical institutions in
England. Journ. N. Y. Bot. Gard. 21: 197-208
N.1920 [Dec.] no.251

New York.- Brookly Botanic Garden.

Plant pathology at the Brooklyn botanic garden
Science 52: 576-577 D.17,1920 no.1355

Journ. Wash. Acad. Sci.

Lawton, F. L.

The history of kidney cotton Journ. Wash. Acad.
Sci. 10: 591-597 illus. D.19,1920 no.21

Gossypium lapidum Tussac.

Mycologia

Adams, J. F.
Darlucra on Peridermium peckii Mycologia 12:
309-315 pi.21. N.1920 [Dec.] no.6
References: p. 315
Contr. Dept. Bot. Penn. State Coll. no.23

Chardon, C. E.
A list of the Pyrenomycetes of Porto Rico col-
lected by H. H. Whetzel and E. W. Olive Mycologia
12: 316-321 N.1920 [Dec.] no.6

Murrill, W. A.
The fungi of Blacksburg, Virginia Mycologia 12:
322-328 N.1920 [Dec.] no.6
Pluteus praerugosus n.sp.

Murrill, W. A.
Light-colored resupinate polypores II Mycologia
12: 299-308 N.1920 [Dec.] no.6

Tanaka, Tyôzaburô
New Japanese fungi, notes and translations IX
Mycologia 12: 329-333 N.1920 [Dec.] no.6

Naturw. Wochenschr.

Hoffmann, Paul
Unkundliches von und über Christian Conrad Sprengel
Naturw. Wochenschr. n.f., 35: 692-695 illus. 0.31,
1920 no.44

Marzell, Heinrich
Ueber alter und herkunft deutscher pflanzennamen.
Naturw. Wochenschr. n.f., 19: 641-645 0.10,1920.
no.41

Meyer, F. J.
Die lichtphysiologie der pflanzen Naturwissensch.
8: 842-851 0.22,1920 no.43
A review of literature on the subject.

Molisch, Hans
Goethe, Darwin und die spiraltendenz im pflanzen-
reich Naturw. Wochenschr. n.f., 19: 625-629
illus. 0.3,1920 no.40
Bibliographical foot notes

Schröder, Bruno
Ueber seebälle Naturwissensch. 8: 899-903 0.8,
1920. no.41
Bibliographical foot notes

Solereeder, Hans
Ueber eine heterophylle philippinische ameisen-
pflanze aus der familie der melastomataceae, nebst
bemerkungen über das auftreten von acylodextrinkörnern
in den sog. perldrüsen. Naturw. Wochenschr. n.f.,
35: 689-691 illus. 0.31,1920 no.44

Weber, Friedl
Phyletische potenz Naturw. Wochenschr. n.f., 19:
673-680 0.24,1920 no.43
Literatur: p. 680.

Wolk, P. C. van der
Die exkretion bei den pflanzen. Naturw. Wochenschr.
n.f., 19: 645-651. 0.10,1920 no.41

New Zeal. Journ. Agr.

Cockayne, A. H.
Powdery scab in potatoes. The Australian embargo.
New Zeal. Journ. Agr. 21: 169-174 illus. 0.1920.
no.4

Cockayne, Leonard
An economic investigation of the montane tussock-
grassland of New Zealand VIII New Zeal. Journ.
Agr. 21: 176-188 illus. 0.1920 no.4



Notes R. Bot. Gard. Edinb.

Craib, W.G.

Regional spread of moisture in the wood of trees II
Moisture-spread in a graft-region Notes R. Bot.
Gard. Edinb. 12: 187-189 pl. clxv My.1920 no.59

Edinburg. Royal botanic garden.

Diagnoses specierum novarum in herbario Horti regii
botanici Edinburgensis cognitarum CCCLI-D Notes
R. Bot. Gard. Edinb. 12: 191-230 My.1920 no.59
Species asiaticae

Moore, S. L.

A new *Erlangea* Notes Roy. Bot. Gard. Edinb.
12: 240 My.1920 no.59
E. venustula

Smith, W. W.

Notes on certain *Styracaceae* Notes Roy. Bot.
Gard. Edinb. 12: 231-236 My.1920 no.59
Parastyrax n.g. (*P. lacei*); *Pterostyrax burmanicus*,
Styrax biaristatus, *S. buchananii*, *S. grandiflorus*,
S. shweliensis.

Smith, W. W.

Species of *Styrax* in Herb. Léveillé' Notes Roy.
Bot. Gard. Edinb. 12: 237-239 My.1920 no.59

Proc. Roy. Soc. Ser. B

Bateson, William

Genetic segregation. Proc. Roy. Soc. Ser. B,
91: 358-368 N.1920 no. B,641
Croonian lecture, June 17, 1920.

Collins, E. J.

The genetics of sex in *Funaria hygrometrica*
Proc. Roy. Soc. Ser. B, 91: 369-370 illus.
N.1920 no. B,641.

Quart. Bul. Maine Dept. Agr.

Maine. Dept. of agriculture

Dusting the orchard. Its Quart. Bull. v.19,
no. 3, p. 1-17 illus. S.1920

Dusting the orchard, by F.H. Dudley. - My experi-
ence with dusting, by W.H. Conant. - The present
status of dusting apple trees, by Mortimer D.
Leonard. - What the spray gun has done for me, by
N. D. Stanley: - Spray calendar.

Queensl. Agr. Journ.

White, C.T.

Illustrated notes on the weeds of Queensland
no.19 Queensl. Agr. Journ. 14: 243-244 N.1920
Burr buttercup (*Ranunculus muricatus* L.)

Rec. Trav. Bot. Néerl.

Talma, E. G. C.

The relation between temperature and growth in
the roots of *Lepidium sativum*. Rec. Trav. Bot.
Néerl. 15: 366-422 1918

Rev. Mus. Paulista

Conceição, Julio

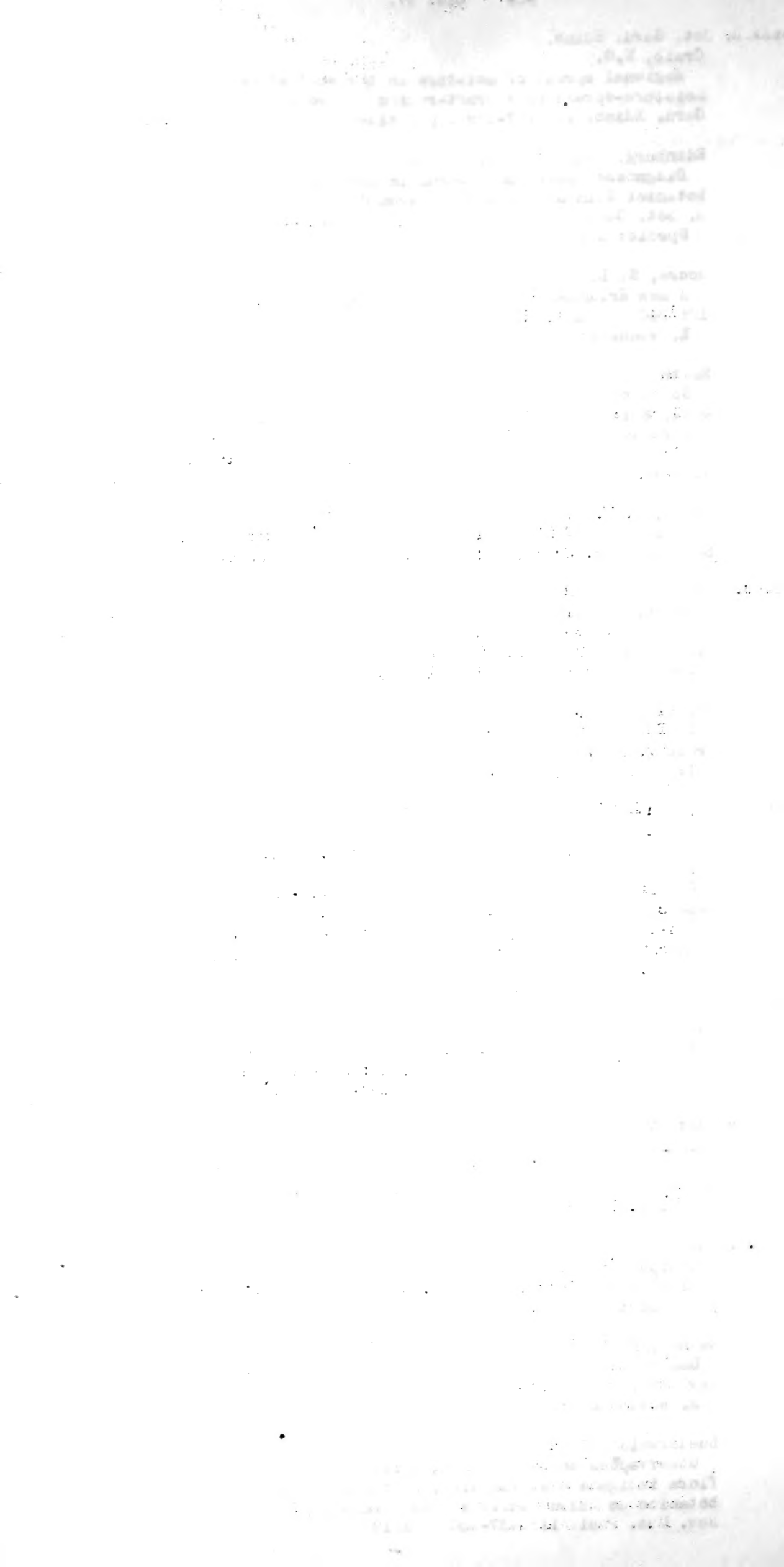
Alberto Löfgren Rev. Mus. Paulista 11: 543-
560 port. 1919

Hoehne, F. C.

Uma *Alstroemeria* nova dos arredores de S. Paulo
Rev. Mus. Paulista 11: 481-489 plate 1919
A. butantanensis

Luederwaldt, H

Observações sobre as consequencias da geada sobre a
flora indigena e estrangeira, representada no horto
botanico do Museu Paulista e suas immediações
Rev. Mus. Paul. 11: 437-450 1919



Science

Davis, B. M.
The problem of the introductory course in botany
Science 52; 597-599 D.24,1920 no.1356

So. African Gard.

Phillips, E. P.
Crotalaria agatiflora Schweinf. So.Afr. Gard.
10: 457 illus. N.1920 no.11

Zeitschr. Bot.

Simon, S. V.
Ueber die beziehungen zwischen stoffstauung und
neubildungsvorgängen in idolierten blättern.
Zeitschr. Bot. 13: 593-634 1920 no.11
Literatur: p. 633-634

Exper. Stat. Publ.

Osman, A. V.
[Report of] Dept. of botany Ann. Rep. Mass. Agr.
Exp. Stat. 32 (1919): 13a-17a [1920].

New Books

Ascherson & Graebner
Synopsis der mitteleuropaischen flora lfg. 92-93
F., S.1917
lfg.92, (v.7, bog. 26-30) Euphorbiaceae (fortz.
Euphorbia sect. Anisophyllen von A. Thellung).
lfg.93, (v.8, bog. 35-39) Caryophyllaceae (fortz.
Cerastium bearb. unter mitwirkung von C. Correns)

Bonnier, Gaston
Plantes medicinales plates mellifères, plantes
utiles et nuisibles... Paris, [1920?]
[70] p. 84 col.pl.

Britton, N.L. & Millspaugh, F.
The Bahama flora N.Y. 1920 695 p.

Chevalier, J.B.A.
Premier inventaire des bois et autres produits
forestiers du Tonkin Hanoi-Haiphong, 1919
227 p.

Fruwirth, C., Roemer, Th. & Tschernak, E. von
Die zuchtung der vier hauptgetreidearten und der
zuckerrübe 3. neubearb. aufl. Berlin, 1919
(Handbuch der landwirtschaftlichen pflanzenzüchtung
bd.IV)

Ginzberger, August
Gebiet des Monte Maggiore (Ucka gora) bei Abbazia
in Istrien In Karsten, G. Vegetationsbilder r.
13, h. 5/6 16 p. pl. 25-36 1917

Harshberger, J.W.
Textbook of pastoral and agricultural botany
Philadelphia, c 1920
294 p.

Janson, Arthur
De grossobstbau 2. naubearb. aufl. 1920.

Johannsen, W.
Das aether-verfahren beim frühtreiben mit besonderer
berücksichtigung der fliedertreiberei 2. wesentlich
erweiterte aufl. Jena, G.Fischer, 1906
65 p.

Sanders, T. W.
Gardening month by month [1920]

Sartory, Auguste
Champignons parasites de l'homme et des animaux
Paris, 1920
pt.1

THE OFFICE OF THE SECRETARY OF THE ARMY
WASHINGTON, D. C. 20315

MEMORANDUM FOR THE SECRETARY OF THE ARMY
SUBJECT: [Illegible]

1. [Illegible]

2. [Illegible]

3. [Illegible]

4. [Illegible]

5. [Illegible]

6. [Illegible]

7. [Illegible]

8. [Illegible]

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10. [Illegible]

11. [Illegible]

12. [Illegible]

13. [Illegible]