

I. Allgemeines.

- Collins, F. S. 1918.** Notes from the Woods Hole Laboratory. 1917. (Rhodora. XX. p. 141—143. 1 pl.)
- Collins, J. F. 1918.** On using an ether freezing microtome in warm and damp weather. (Phytopathology. VII. p. 222—223.)
- Davis, B. M. 1918.** Botany after the war. (Science. XLVIII. p. 514—515.)
- Font Quer, P. 1917.** El Departament de botanic del Museu. (Anuari Junta Ciènc. nat. Barcelona. II. p. 253—276.)
- Goodspeed, T. H. 1918.** Modified safety-razor blade holder for temperature control. (Bot. Gaz. LXVI. p. 176—177. 1 f.)
- Güssow, H. T. 1917.** A thumb clip for use with magnifiers. (Phytopathology. VII. p. 451—452. 2 f.)
- Güssow, H. T. 1918.** Microphotography simplified. (Phytopathology. VIII. p. 447—448.)
- Helten, W. M. van 1918.** Gids voor de bezoekers van den Cultuurtuin. (Med. Cultuurtuin Buitenzorg. 1918. 11. 143 pp.)
- Lunell, J. 1918.** The collecting, drying and mounting of plant specimens. (Amer. Midland Nat. V. p. 191—195.)
- Williams, S. R. 1917.** Scientific drawing in biology. (Ohio Journ. Sc. XVII. p. 205—212.)

II. Anatomie.

- Mac Daniels, L. H. 1918.** The histology of the phloem in certain woody angiosperms. (Amer. Journ. Bot. V. p. 347—378. pl. 24—29.)
- Macfarlane, J. M. 1918.** Synchronism in plant structures. (Brooklyn bot. Gard. Mem. I. p. 313—326.)
- Moll, J. W. und H. H. Janssonius. 1918.** Mikrographie des Holzes der auf Java vorkommenden Baumarten. 5e Lieferung. (Leiden, E. J. Brill. 1918. 8^o. p. 337—764. 40 F.)

III. Biologie.

- Harper, R. M. 1918.** The American pitcher plants. (Journ. Elisha Mitchell Sc. Soc. XXXIV. p. 110—125. pl. 2—6.)

IV. Morphologie, Teratologie, Befruchtung, Cytologie.**Cf. VI. Lundegårdh.**

- Bisset, P. 1918.** Prolifcation in a double-flowered form of *Calendula officinalis*. (Journ of Heredity IX. p. 323—325. 2 f.)
- Buehholz, J. T. 1918.** Suspensor and early embryo of *Pinus*. (Bot. Gaz. LXVI. p. 185—228. 3 f. pl. 6—10.)
- Farr, C. H. 1918.** Cell division by furrowing in *Magnolia*. (Amer. Journ. Bot. V. p. 379—395. 3 pl.)
- Grier, N. M. 1918.** Double flowers in *Hemerocallis fulva*, Linn. (*Torreya*. XVIII. p. 242.)
- Harris, J. A. 1918.** Further studies on the interrelationship of morphological and physiological characters in seedlings of *Phaseolus*. (Brooklyn bot. Gard. Mem. I. p. 167—174.)
- Harris, J. A. 1918.** The interrelationship of the number of stamens and pistils in the flowers of *Ficaria*. (Biol. Bull. XXXIV. p. 7—17.)
- Loeb, J. 1918.** The law controlling the quantity of regeneration in the stem of *Bryophyllum calycinum*. (Journ. Gen. Physiol. I. p. 81—96. 5 f.)

V. Varietäten, Descendenz, Hybriden.**Cf. VI. Damm; XVIII. Gates.**

- Babcock, E. B. 1918.** The rôle of factor mutations in evolution. (Amer. Nat. LII. p. 116—128.)

- Blakeslee, A. F. 1918.** Unlike reaction of different individuals to fragrance in *Verbena* flowers. (*Science*. 2. XLVIII. p. 298—299.)
- Blakeslee, A. F. and B. T. Avery Jr. 1918.** A vegetative reversion in *Portulaca*. (*Brooklyn bot. Gard. Mem.* I. p. 18.)
- Brown, B. S. 1918.** Fruiting of appletrees every other year. (*Journ. of Heredity* IX. p. 304—306. 1 f.)
- Brown, T. W. 1918.** Orange-like fruit from a lemon tree. (*Journ. of Heredity* IX. p. 308—310 3 f.)
- Collins, G. N. 1918.** Tropical varieties of maize. (*Journ. of Heredity*. IX. p. 147—154 3 f.)
- Correns, C. 1918.** Fortsetzung der Versuche zur experimentellen Verschiebung der Geschlechtsverhältnissen. (*Sitzber. preuss. Ak. Wiss.* 1918. p. 1175—1200. ill.)
- East, E. M. 1918.** Intercrosses between self-sterile plants. (*Brooklyn bot. Gard. Mem.* I. p. 141—153.)
- Harper, R. A. 1918.** Organization, reproduction and inheritance in *Pediastrum*. (*Proc. amer. philos. Soc.* LVII. p. 375—439. 35 f. 2 pl.)
- Hayes, H. K. 1918.** Natural crossing in wheat. (*Journ. of Heredity*. IX. p. 326—330, 334. 2 f.)
- Hodgson, R. W. 1918.** An interesting bud-sport in the Washington navel orange. (*Journ. of Heredity*. IX. p. 301—303. 1 f.)
- Humbert, E. P. 1918.** Nature as a nature-faker. (*Journ. of Heredity*. IX. p. 192. 1 f.)
- Ikeno, S. 1917.** Variegation in *Plantago*. (*Genetics*. II. p. 390—416. 2 f.)
- Jeffrey, E. C. 1918.** Evolution by hybridization. (*Brooklyn bot. Gard. Mem.* I. p. 298—305. 1 pl.)
- Jennings, H. S. 1918.** Mechanism and vitalism. (*Philos. Rev.* XXVII. p. 577—596.)
- Kearney, T. H. and W. G. Wells. 1918.** A study of hybrids in Egyptian Cotton. (*Amer. Nat.* LII. p. 491—506. 3 f.)
- Love, H. H. and W. T. Craig. 1918.** The relation between color and other characters in certain *Avena* crosses. (*Amer. Nat.* LII. p. 369—383.)
- Salmon, E. S. 1917.** Verbesserung des Hopfens durch Bastardierung und Auslese in England. (*Intern. agr.-techn. Rundsch.* VIII. p. 999—1001.)
- White, O. E. 1915.** The crossing of flowers. (*Brooklyn bot. Gard. Leafl. Ser.* 3. Nos 10—11. ill.)

VI. Physiologie.

Cf. IV. Harris.

- Bakke, A. L. 1918.** Determination of wilting. (*Bot. Gaz.* LXVI. p. 81—116. 5 f.)
- Beals, C. C. 1918.** The effect of aeration on the roots of *Zea Mays*. I. (*Proc. Indiana Ac. Sc.* 1917 [1918]. p. 177—180. 3 f.)
- Bernard, C. 1918.** Over de physiologische beteekenis van den latex. (*Teysmannia*. XXIX. p. 523—540.)
- Blaauw, A. H. 1918.** Licht und Wachstum. III. Die Erklärung des Phototropismus. (*Med. Landbouwhoogeschool Wageningen*. XV. p. 89—204. ill.)
- Burns, G. P. 1918.** Weather conditions and plant development. (*Brooklyn bot. Gard. Mem.* I. p. 119—122.)
- Conner, S. D. 1918.** The injurious effect of borax in fertilizers on corn. (*Proc. Indiana Ac. Sc.* 1917 [1918]. p. 195—199. 2 f.)
- † **Damm, O. 1916/7.** Die Farbstoffe der Blüten und Früchte im Lichte moderner Forschung. (*Aus der Natur*. XIII. p. 476—482.)

- Giltay, E. 1918.** Die Funktion der Holzgefäße. (Zschr. f. Bot. X. p. 753—756. 1 A.)
- Grossenbacher, J. G. 1916.** The periodicity and distribution of radial growth in trees and their relation to the development of „annual” rings. (Trans. Wisconsin Ac. Sc. Arts and Lett. XVIII. p. 1—77.)
- Harper, R. M. 1918.** A new seasonal precipitation factor of interest to geographers and agriculturists. (Science. 2. XLVIII. p. 208—211.)
- Harris, J. A. 1918.** On the osmotic concentration of the tissue fluids of phanerogamic epiphytes. (Amer. Journ. Bot. V. p. 490—506.)
- Hoagland, D. R. 1918.** The relation of the plant to the reaction of the nutrient solution. (Science. XLVIII. p. 422—425.)
- Kremers, E. 1918.** Experimental osmosis with a living membrane. (Science. N. S. XLVIII. p. 599—600.) [Sections of Dahlia stem are used. — T release.]
- Lakon, G. 1918.** Ueber Keimpotenz und labile Keimtendenz bei Pflanzensamen, insbesondere bei Getreidefrüchten. (Festschr. 100-jähr. Best. kg). württemb. landw. Hschule Hohenheim. 1918. p. 70—83.)
- Livingston, B. E. and W. E. Tottingham. 1918.** A new three-salt nutrient solution for plants cultures. (Amer. Journ. Bot. V. p. 337—346.)
- Lundegårdh, H. 1918.** Das geotropische Verhalten der Seitensprosse. Zugleich ein Beitrag zum Epinastieproblem und zur kausalen Morphologie. (Lunds Univ. Årsskr. N. F. 2. XIV. 2. 27. p. 1—93. 16 F.)
- Lundegårdh, H. 1917.** Die Ursachen der Plagiotropie und die Reizbewegungen der Nebenwurzeln. (Lunds Univ. Årsskr. N. F. 2. XIII. 6. p. 1—75. 13 F. Mit deutsch. Zusamm.)

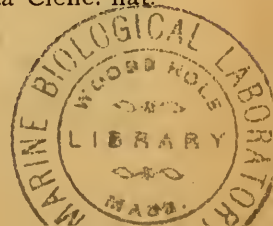
VII. Palaeontologie.

- Beck, R. 1917.** Alethopteris Pfeilstickeri, ein neuer Farn aus dem Oberkarbon von Lugard-Olsnitz. (Isis. 1917. p. 23—28. 3 F.)
- Compter, G. 1918.** Ein Nachtrag zur fossilen Keuperflora Ostthüringens. (Zschr. f. Naturw. 1918. p. 439—449. 18 F.)
- Hollick, A. 1918.** Some botanical problems that paleobotany has helped to solve. (Brooklyn bot. Gard. Mem. I. p. 187—190)
- Kessler, B. 1915.** Die Alethopteriden und Mariopteriden der Saarbrücker Schichten des Saarbeckens. (Zschr. deutsch. geol. Ges. Abh. LXVII. p. 69—84. 1 F. 4 T.)
- Knowlton, F. H. 1917.** A lower jurassic flora from the Upper Matanuska valley, Alaska. (Proc. U. S. nation. Mus. LI. p. 451—460.)
- Knowlton, F. H. 1917.** A review of the fossil plants in the United States national Museum from the Florissant Lake beds at Florissant, Colorado, with descriptions of new species and list of type-specimens. (Proc. U. S. nation. Mus. LI. p. 241—297.)
- Krysstofovitch, A. N. 1918.** On the cretaceous age of the „miocene flora” of Sakhalin. (Amer Journ. Sc. XLVI. p. 502—510.)
- Post, L. v. 1915.** Ett fynd af fossil Trapa natans i västra Värmland. (Geol. Fören. Förh. XXXVII. p. 343.)
- Vidal, L. M. 1917.** Geologia del Montsech. (Anuari Junta Cienc. nat. Barcelona. II. p. 115—128. ill.)

VIII. Microscopie.

IX. Cryptogamen im Allgemeinen.

(Vacant.)



X. Algae.

Cf. V. Harper.

- Andrews, F. M. 1917.** *Closterium moniliferum*. (Proc. Indiana Ac. Sc. 1916 [1917]. p. 323—324.)
- Brown, J. G. 1918.** Abnormal conjugation in *Spirogyra*. (Bot. Gaz. LXVI. p. 269—271. 3 f.)
- Harper, R. A. 1918.** Binary fission and surface tension in the development of the colony in *Volvox*. (Brooklyn bot. Gard. Mem. I. p. 154—166. 4 f. 1 pl.)
- Mac Caughey, V. 1918.** A survey of the Hawaiian coral reefs. (Amer. Nat. LII. p. 409—438. 9 f.)
- Mazza, A. 1917.** Saggio di algologia oceanica. (N. Notarisia. XXXII. p. 176—239. Cont.)
- Mazza, A. 1918.** Saggio di algologia oceanica. (N. Notarisia. XXXIII. p. 57—112. Cont.)
- Moore, G. T. 1918.** Algological notes. III. A wood-penetrating alga, *Gomontia lignicola*, n. sp. (Ann. Missouri bot. Gard. V. p. 211—224.)

XI. Eumycetes.

- Arthur, J. C. 1918.** Uredinales of Guatemala based on collections of E. W. D. Holway. II—IV. (Amer. Journ. Bot. V. p. 420—446, 462—489, 522—550.)
- Atkinson, G. F. 1918.** Preliminary notes on some new species of Agarics. (Proc. amer. philos. Soc. LVII. p. 354—356.)
- Atkinson, G. F. 1918.** The genus *Endogone*. (Brooklyn bot. Gard. Mem. I. p. 1—17.)
- Atkinson, G. F. 1918.** The genus *Galerula* in North America. (Proc. amer. philos. Soc. LVII. p. 357—374.)
- Brenckle, J. F. 1918.** North Dakota fungi. II. (Mycologia. X. p. 199—221.)
- Brown, W. H. 1918.** The fungi cultivated by termites in the vicinity of Manila and Los Baños. (Philippine Journ. Sc. C. Bot. XIII. p. 223—231. 2 pl.)
- Burt, E. A. 1918.** The Thelephoraceae of North America. IX. *Aleurodiscus*. (Amer. Missouri bot. Gard. V. p. 177—203. 14 f.)
- Coker, W. C. 1918.** The Lactarias of North Carolina. (Journ. Elisha Mitchell Sc. Soc. XXXIV. p. 1—61. 40 pl.)
- Dodge, B. O. 1918.** Studies in the genus *Gymnosporangium*. III. The origin of the teleutospore. (Mycologia. VIII. p. 182—193. 3 pl.)
- Doddall, L. 1918.** Overwintering of the aeciospores of *Cronartium ribicola*. (Phytopathology. VIII. p. 619.)
- Fairman, C. E. 1918.** New or noteworthy Ascomycetes and lower fungi from New Mexico. (Mycologia. X. p. 239—264.)
- Fink, B. 1918.** A new genus and species of the Collemaceae. (Mycologia. X. p. 235—238. 1 pl.) [*Collemodes*, n. gen. with *C. Bachmanianum*. — Trelease.]
- Fromme, F. D. 1918.** An automatic spore trap. (Phytopathology. VIII. p. 542—544. 1 f.)
- Harper, E. T. 1918.** *Hypholoma* aggregation and *H. delineatum*. (Mycologia. X. p. 231—234. 1 pl.)
- Jackson, H. S. 1918.** The Uredinales of Delaware. (Proc. Indiana Ac. Sc. 1917 [1918]. p. 311—385.)
- Jackson, H. S. 1918.** The Uredinales of Indiana. II. (Proc. Indiana Ac. Sc. 1917 [1918]. p. 133—137.)
- Jackson, H. S. 1918.** The Ustilaginales of Indiana. (Proc. Indiana Ac. Sc. 1917 [1918]. p. 119—132.)

- Kaufmann, F. 1917.** Die rosa- oder rost-sporigen Gattungen der Blätterpilze *Volvaria*, *Claudopus*, *Pluteus*, *Clitopilus*, *Nolanea*, *Lep-tonia*, *Entoloma*. (Ber. westpreuss. bot.-zool. Ver. XXXIX. p. 7—28.)
- Koorders, S. H. 1918.** Beschreibung einer von Frau A. Koorders-Schumacher im javanischen Naturschutzgebiet Depok gefundenen neuen Art von *Cordiceps*. (Bull. Jard. bot. Buitenzorg. 3. I. 1. p. 86—89. 1 T.)
- Kunkel, L. O. 1918.** A method of obtaining abundant sporulation in cultures of *Macrosporium Solani* E. & M. (Brooklyn bot. Gard. Mem. I. p. 306—312. 4 f.)
- Liesehe, O. 1918.** Atlas der essbaren und giftigen Pilze in natürlicher Grösse mit Beschreibung unter Gegenüberstellung der leicht zu verwechselnden Pilze. 4. Aufl. 2 Teile. (Annaberg, 1918. 8^o. 28 T. mit 32 pp. Text.)
- Matz, J. 1918.** A method for making permanent mounts of entire colonies of some fungi in plate cultures. (Phytopathology. VIII. p. 446—447.)
- Murrill, W. A. 1918.** Illustrations of Fungi. XXIX. (Mycologia. X. p. 177—181. 1 pl.) [Contains as new *Prunulus viscidipes* (*Mycena* Murr.) and *Leptoniella conica*. — Trelease.]
- Murrill, W. A. 1918.** The rosy-spored Agarics of North America. (Brooklyn bot. Gard. Mem. I. p. 334—336.)
- Seaver, F. J. 1916.** Bermuda fungi. (Mem. New York bot. Gard. VI. p. 501—511.)
- Weese, J. 1917.** Studien über Nectriaceen. III. Mitt. (Zschr. Gährungsphys. VI. p. 28—46.)
- Wilson, G. W. 1917.** Rusts of Hamilton and Marion counties, Indiana. II. (Proc. Indiana Ac. Sc. 1916 [1917]. p. 382—383.)

XII. Myxomycetes.

(Vacat.)

XIII. Pflanzenkrankheiten.

- Artschwager, E. F. 1918.** Histological studies on potato leafroll. (Journ. agr. Res. XV. p. 559—570. ill.)
- Ball, E. D. 1918.** Leaf burn of the potato and its relation to the potato leaf-hopper. (Science. N. S. XLVIII. p. 194.)
- Barrus, M. F. 1918.** Varietal susceptibility of beans to strains of *Colletotrichum Lindemuthianum*. (Phytopathology. VIII. p. 582—614. 5 pl.)
- Bisby, G. R. and A. G. Tolaas. 1918.** Copper sulphate a disinfectant for potatoes. (Phytopathology. VIII. p. 240—241.)
- Boyce, J. S. 1918.** Imbedding and staining of diseased wood. (Phytopathology. VIII. p. 432—436.)
- Chivers, A. H. 1917.** The injurious effects of tawia fumes on vegetation. (Phytopathology. VII. p. 32—36.)
- Coons, G. H. 1918.** Seed tuber treatments for potatoes. (Phytopathology. VIII. p. 457—468. 6 f.)
- Detwiler, S. B. 1918.** Battling the pine blister rust. (Amer. Forestry. XXIV. p. 451—457. ill.)
- Doeters van Leeuwen-Reynvaan, W. und J. 1918.** Niederländisch Ost-Indische Gallen. N^o. 10. Einige Gallen aus Java. Achter Beitrag. (Bull. Jard. bot. Buitenzorg. 3. I. 1. p. 17—76.)
- Elliott, C. 1918.** Bacterial oat blight. (Phytopathology. VIII. p. 489—490.)
- Elliott, J. A. 1918.** Wood-rots of peach trees caused by *Coriulus prolificans* and *C. versicolor*. (Phytopathology. VIII. p. 615—617. 2 f.)
- Fagan, M. M. 1918.** The uses of insect galls. (Amer. Nat. LII. p. 155—176.)

- Felt, E. P. 1918.** Key to American insect galls. (Bull. New York State Mus. 1917 [1918]. 200. 310 pp. 250 f. 16 pl.)
- O'Gara, P. J. 1918.** The white-spot disease of alfalfa. (Science. N. S. XLVIII. p. 299—301.)
- Garman, P. 1917.** *Tarsonemus pallidus*, eine schädliche Milbe auf Pelargonium und anderen Pflanzen in Maryland. (Intern. agr. agr. techn. Rundschau. VIII. p. 1050—1052.)
- Gertz, O. 1918.** Skånes Zooecidier. Ett bidrag till kännedomen om Sveriges gallbildande flora och fauna. (Lunds Univ. Årsskr. N. F. 2. XIV. 2. 26. p. 1—72.)
- Goodspeed, T. H. a. o. 1918.** Notes on the effects of illuminating gas and its constituents in causing abscission of flowers in *Nicotiana* and *Citrus*. (Univ. California Publ. Bot. V. p. 439—450.)
- Güssow, H. T. 1918.** Drowth injury to Mc Intosh apple. (Phytopathology. VIII. p. 490—491. 1 f.)
- Güssow, H. T. 1918.** Observations on obscure potato troubles. (Phytopathology. VIII. p. 491—495. 5 f.)
- Güssow, H. T. 1917.** The occurrence of *Colletotrichum cereale*, *Dothichiza populea*, and *Leptosphaeria Napi* in Canada. (Phytopathology. VII. p. 450.)
- Hartley, C. a. o. 1918.** Seedling diseases of Conifers. (Journ. agr. Res. XV. p. 521—558. 1 pl.)
- Henderson, M. P. 1918.** The black-leg disease of cabbage caused by *Phoma lingam* (Tode) Desmaz. (Phytopathology. VIII. p. 379—431. 10 f.)
- Hodgson, R. W. 1918.** A *Sterigmatocystis* Smut of figs. (Phytopathology. VIII. p. 545—546.)
- Hoffer, G. N. 1917.** An *Aecium* on red clover, *Trifolium pratense* L. (Proc. Indiana Ac. Sc. 1916 [1917]. p. 325—326.)
- Jaap, O. 1918.** Cocciden-Sammlung (getrocknete Arten auf den von ihnen bewohnten Pflanzen). (Hamburg, 1918.)
- Jaap, O. 1918.** Zooeciden-Sammlung. Serie 21—24. N^o. 501—600. (Hamburg 1918. 4^o. mit 55 pp. Text.)
- Lee, H. Atherton 1918.** Further data on the Citrus canker affection of the Citrus species and varieties at Lamao. (Philippine agr. Rev. XI. p. 200—206. 7 pl.)
- Lyman, G. R. 1918.** The relation of phytopathologists to plant disease survey work. (Phytopathology. VIII. p. 219—228.)
- Mackie, W. W. 1918.** A possible new fungicide [lime-sulphur] for wheat and barley Smut. (Science. N. S. XLVIII. p. 515—516.)
- Mac Millan, H. G. 1918.** An epidemic of Corn Smut following Lail. (Phytopathology. VIII. p. 584—585.)
- Mc Culloch, L. M. 1918.** A morphological and cultural note on the organism [*Aplanobacter Stewarti* n. comb., = *Pseudomonas Stewarti* Sm.] causing Stewart's disease of sweet corn. (Phytopathology. VIII. p. 440—441. 1 pl.)
- Metcalf, H. 1918.** The problem of the imported plant disease as illustrated by the white pine blister rust. (Brooklyn bot. Gard. Mem. I. p. 327—333. 2 pl.)
- Osner, G. A. 1917.** Additions to the list of plant diseases of economic importance in Indiana. (Proc. Indiana Ac. Sc. 1916 [1917]. p. 327—332.)
- Pipal, F. J. 1917.** The effect of hydrogen peroxide in preventing the smut of wheat and oats. (Proc. Indiana Ac. Sc. 1916 [1917]. p. 378—381.)
- Rhoads, A. S. 1917.** Some new or little known hosts for wood-destroying fungi. (Phytopathology. VII. p. 46—48.)

- Ridgway, C. S. 1917.** Methods for the differentiation of pathogenic fungi in the tissues of the host. (Phytopathology. VII. p. 389—391.)
- Stahel, G. 1917.** De Zuid-Amerikaansche Hevea-bladziekte veroorzaakt door *Melanopsammopsis Ulei* nov. gen. (= *Dothidella Ulei* P. Hennings). (Bull. Dep. Landb. Suriname. 1917. 34. 111 pp. 29 pl.)
- Weir, J. R. 1917.** New hosts for *Razoumofskyia americana* and *R. occidentalis abietina*. (Phytopathology. VII. p. 140.)
- Young, H. C. and E. H. Cooper. 1917.** A method for determining the fungicidal coefficient of lime sulphur and other common fungicides. (Annual Rep. Michigan Ac. Sc. XIX. p. 221—236.)

XIV. Bacteriologie.

- Barthel, C. 1917.** Die Geisseln des *Bacterium radicolica* (Beij.). (Zschr. Gährungsphys. VI. p. 13—17.)
- Behrens, C. 1917.** The cultivation of *Trypanosoma Brucei*. (Proc. Indiana Ac. Sc. 1916 [1917]. p. 264—271. ill.)
- Buchanan, R. E. 1918.** Studies in the classification and nomenclature of the bacteria. VII. The sub-groups and genera of the Chlamydo-bacteriales. (Journ. Bact. III. p. 301—306.)
- Gruber, G. B. 1918.** Ueber die Meningokokken und die Meningokokkenerkrankungen. (Berlin, 1918. 8°. 58 pp.)
- Koch, A. 1918.** Bodenbakterien und Pflanzenernährung. (Jahrb. deutsch. landw. Ges. XXXIII. p. 67—77.)
- Noyes, H. A. and E. Voigt. 1917.** A technic for the bacteriological examination of soils. (Proc. Indiana Ac. Sc. 1916 [1917]. p. 272—301. ill.)
- Schultz, F. 1917.** Die Beeinflussung der Beweglichkeit von Bakterien der Typhus coli-Gruppen in Nährlösungen mit Zuckerzusätzen. (Strassburg, 1917. 8°. 40 pp.)

XV. Lichenes.

- Claassen, E. 1917.** Second alphabetical list of the lichens collected in several counties of northern Ohio. (Ohio Journ. Sc. XVIII. p. 62—63.)
- Howe, Jr. R. H. 1918.** A further note on the lichens of Nantucket. (Rhodora. XX. p. 40.)
- Moxley, G. L. 1918.** Additions to the lichen Flora of southern California. (Bull. S. California Ac. Sc. XVII. p. 61—62.)
- Sampaio, G. 1917.** Espécies novas de liquenes. (Ann. sc. Ac. polytechn. Porto. XII. p. 47—50.)
- Zanfrognini, C. 1917.** Pugillo di Licheni corticicoli della Somalia. (N. Notarisia. XXXII. p. 145—175.)

XVI. Bryophyten.

- Britton, E. G. 1918.** Further notes on *Jagerinopsis*, Broth. (Bryologist. XXI. p. 80.)
- Britton, E. G. 1918.** *Porotrichum* not *Thamnobryum*. (Bryologist. XXI. p. 83—84.)
- Dixon, H. N. 1918.** „*Chatubinskia*”, a further correction. (Bryologist. XXI. p. 80—81.) [Reason is given for writing the name *Chalubinskia*. — Trelease]
- Dixon, H. N. 1918.** The mosses collected by the Smithsonian African expedition 1909—10. (Smithson. misc. Coll. LXIX. 2. 28 pp. 2 pl.)
- Dixon, H. N. 1918.** Uganda mosses collected by R. Dümmer and others. (Smithson. misc. Coll. LXIX. 8. 10 pp. 1 pl.)
- Haynes, C. C. and A. W. Evans. 1918.** Sullivant moss Society exchange list of Hepaticae found in the United States, Canada and Arctic America. (Bryologist. XXI. p. 87—90.)

- Jennings, O. E. 1918.** Certain organic substances assimilated by *Ceratodon purpureus*. [Short review]. (Bryologist. XXI. p. 86.)
- Jennings, O. E. 1918.** Notes on the mosses of northwestern Ontario. I. Sphagnum. (Bryologist. XXI. p. 69—78. 1 pl. 1 f.)
- Machado, A. 1915.** A idéa de espécie em briologia. (Ann. Sc. Ac. polytechn. Porto. X. p. 116—118.)
- Machado, A. 1917.** Uma *Pottia* nova do Algarve. (Ann. sc. Ac. polytechn. Porto. XII. p. 51—52. 6 f.)

XVII. Pteridophyten.

- Alderwerelt van Rosenburgh, C. R. W. K. van 1918.** New or interesting Malayan ferns. 10. (Bull. Jard. bot. Buitenzorg. 2. 28. p. 1—56.)
- Alderwerelt van Rosenburgh, C. R. W. K. van 1918.** Two critical fern genera. (Bull. Jard. bot. Buitenzorg. 2. 28. p. 57—64.)
- Alderwerelt van Rosenburgh, C. R. W. K. van 1918.** Two new fern genera. (Bull. Jard. bot. Buitenzorg. 2. 28. p. 65—66.)
- Blake, S. F. 1918.** *Lycopodium sabinaefolium* Willd. var. *Sharonense* (Blake) comb. nov. (Rhodora. XX. p. 60.) [A new name for *L. tristachyum sharonense* Blake. — Trelease.]
- Day, M. A. 1918.** Dates of Eaton's Ferns of North America. (Rhodora. XX. p. 74—75.)
- Fernald, M. L. 1918.** The american representatives of *Equisetum sylvaticum*. (Rhodora. XX. p. 129—131.)
- Maxon, W. R. 1918.** A new *Polystichum* [*P. Dudleyi*] from California. (Journ. Washington Ac. Sc. VIII. p. 620—622.)
- Maxon, W. R. 1918.** The American range of *Botrychium lanceolatum*. (Rhodora. XX. p. 19.)
- Maxon, W. R. 1918.** The lip-ferns of the southwestern United States related to *Cheilanthes myriophylla*. (Proc. biol. Soc. Washington. XXXI. p. 139—152.)

XVIII. Floristik, Geographie und Systematik der Phanerogamen.

- Anonymous. 1918.** China's trees and ours strikingly alike. (Journ. of Heredity. IX. p. 272—281. f. 9—15.)
- Anonymous. 1918.** Itinera Herteriana. I. (Rep. Spec. nov. XV. p. 373—381.)
- Ashe, W. W. 1918.** Additions to the arborescent flora of North Carolina. (Journ. Elisha Mitchell sc. Soc. XXXIV. p. 130—140.)
- Ashe, W. W. 1918.** Notes on *Betula*. (Rhodora. XX. p. 63—64.) [Contains as new *Betula lenta* uber. — Trelease.]
- Ashe, W. W. 1918.** Notes on trees and shrubs. (Bull. Charleston Mus. XIV. p. 29—32.)
- Ball. 1917.** Beobachtungen und Mitteilungen von meinem Sommeraufenthalt in Oliva während der Jahre 1915 und 1916. (Ber. westpreuss. bot.-zool. Ver. XXXIX. p. 83—90. 2 A. Mit Nachtrag. p. 97.)
- Berry, E. W. 1918.** The history of the linden and ash. (Plant World. XXI. p. 163—175. 2 f.)
- Blake, S. F. 1918.** A variety of *Smilax glauca*. (Rhodora. XX. p. 78—80.)
- Blake, S. F. 1918.** Notes on the Clayton herbarium. (Rhodora. XX. p. 21—28. 5 f. p. 48—54, 65—73. 3 f.)
- Blake, S. F. 1918.** Notes on the flora of New Brunswick. (Rhodora. XX. p. 101—107.)
- Blake, S. F. 1918.** On the names of some species of *Viburnum*. (Rhodora. XX. p. 11—15.)

- Britton, N. L. 1918.** Flora of Bermuda. (New York, Ch. Scribner's Sons. 1918. 8^o. XI, 585 pp. ill.)
- Britton, N. L. 1918.** The botany and plant products of northern South America. (Journ. New York bot. Gard. XIX. p. 182—185.)
- Brown, F. B. H. 1917.** Flora of a Wayne County salt marsh. (Annual Rep. Michigan Ac. Sc. XIX. p. 219.)
- Coker, W. C. 1918.** A visit to South Island. (Journ. Elisha Mitch. sc. Soc. XXXIV. p. 150—153. pl. 10—16.)
- Dahms, P. 1917.** Botanisch-Zoologisches von der Heimfahrt aus Spanien im Jahre 1914. (Ber. westpreuss. bot.-zool. Ver. XXXIX. p. 107—113.)
- Daley, C. 1918.** Excursion to Bendigo. (Victorian Nat. XXXV. p. 107—110.)
- Dammer, U. 1918.** Eine neue Liliacee, *Tricyrtis parviflora*, aus Japan. (Rep. Spec. nov. XV. p. 367—368.)
- Dammer, U. 1918.** Neue Arten von *Lachemilla* aus Mittel- und Südamerika. (Rep. Spec. nov. XV. p. 362—365.)
- Dammer, U. 1918.** Zwei neue Solanaceen, *Iochroma* (*Euiochroma*) *Weberbaueri* und *Cacabus multiflorus* aus Peru. (Rep. Spec. nov. XV. p. 366—367.)
- Davidson, A. 1918.** Additions to the local flora. (Bull. S. California Ac. Sc. XVII. p. 57.)
- Davidson, A. 1918.** *Lupinus mollisifolius* spec. nov. (Bull. S. California Ac. Sc. XVII. p. 57.)
- Davidson, A. 1918.** *Lupinus Paynei* spec. nov. (Bull. S. California Ac. Sc. XVII. p. 58—59. ill.)
- Dinter, K. 1918.** Index der aus Deutsch-Südwestafrika bis zum Jahre 1917 bekannt gewordenen Pflanzenarten. II. (Rep. Spec. nov. XV. p. 340—355. Forts. folgt.)
- Fernald, M. L. 1918.** *Solidago racemosa* Greene, forma *leucantha* n. f. (*Rhodora*. XX. p. 172.)
- Fernald, M. L. 1918.** Some allies of *Rynchospora macrostachya*. (*Rhodora*. XX. p. 138—140.)
- Fernald, M. L. 1918.** The diagnostic characters of *Vallisneria americana*. (*Rhodora*. XX. p. 108—110.)
- Fernald, M. L. 1918.** The North American *Littorella*. (*Rhodora*. XX. p. 61—62.) [The American plant is distinguished under the name *L. americana*. — Trelease.]
- Fernald, M. L. 1918.** The specific identity of *Bidens hyperborea* and *B. colophila*. (*Rhodora*. XX. p. 146—150.)
- Fernald, M. L. 1918.** The validity of *Oxalis americana*. (*Rhodora*. XX. p. 76—78.) [The new *Oxalis americana* f. *shodantha* is described. — Trelease.]
- Freuchen, P. 1918.** Om plantekost hos Smith-Sund Eskimoerne. (Geogr. Tidskr. VIII. p. 306—310.)
- Frödin, J. 1918.** Ueber das Verhältnis zwischen Vegetation und Erdfließen in den alpinen Regionen des schwedischen Lappland. (Lunds Univ. Årsskr. N. F. 2. XIV. 2. 24. p. 1—32. 9 F. 4 T.)
- Gates, R. R. 1918.** A new evening primrose. *Oenothera Novae-Scotiae*. (Proc. and Trans. Nova Scotian Inst. Sc. Halifax, Nova Scotia. XIV. p. 141—145. 2 pl.)
- Gertz, O. 1918.** *Christopher Rostii* Herbarium vivum i Lund. Studie till Herbariernas äldsta historia. (Lund, 1918. 4^o. 12 pp.)
- Greenman, J. M. and N. E. Pfeiffer. 1918.** A new Selaginella [*S. Landii*] from Mexico. (Ann. Missouri bot. Gard. V. p. 205—210. 2 pl.)
- Griggs, R. F. 1918.** Scientific results of the Katmai expeditions of the

- national geographic Society. I. The recovery of vegetation at Kodiak. (Ohio Journ. Sc. XIX. p. 1—57. 32 f.)
- Gundersen, A. 1918.** A sketch of plant classification from Theophrastus to the present. [Cont.]. (Torreya. XVIII. p. 231—239.)
- Harms, H. 1918.** Araliaceae andinae. (Rep. Spec. nov. XV. p. 245—254.)
- Harper, R. M. 1918.** A phytogeographical sketch of southern Maryland. (Journ. Washington Ac. Sc. VIII. p. 581—589.)
- Harper, R. M. 1918.** A sketch of the forest geography of New Jersey. (Bull. geol. Soc. Philadelphia. XVI. p. 107—125. 1 m. 5 f.)
- Harshberger, J. W. 1918.** American heaths and pine heaths. (Brooklyn bot. Gard. Mem. I. p. 175—186. 8 f.)
- Hassler, E. 1918.** Solanacea paraguariensis vel minus cognita. II. (Rep. Spec. nov. XV. p. 217—245.)
- Heimlich, L. F. 1918.** The trees of White County, Indiana with some reference to those of the state. (Proc. Indiana Ac. Sc. 1917 [1918]. p. 387—471. ill.)
- Hoffmann, C. 1918.** Pflanzenatlas nach dem Linné'schen System. Handbuch zur Einführung in die heimische Flora. 5. Aufl. umgearbeitet von E. Dennert. (Stuttgart, Schweizerbart. 1918. 4^o. XII, 188 pp. 74 T. 613 F.)
- Hofmann, J. V. 1918.** Seed vitality as a factor in determining forest types. (Amer. Forester. V. p. 13—16. 5 pl.)
- Holland, W. J. 1918.** Shall writers upon the biological sciences agree to ignore systematic papers published in the German language since 1914? (Science. N. S. XLVIII. p. 469—471.)
- Holmes, J. S. 1918.** Extension of the range of *Prunus umbellata* into North Carolina. (Journ. Elisha Mitchell Sc. Soc. XXXIV. p. 126—129. 2 pl.)
- House, H. D. 1917.** The vegetation of the eastern end of Oneida Lake. (Bull. New York State Mus. 1917. 197. p. 61—71. f. 4—12.)
- Hutchinson, A. H. 1918.** Limiting factors in relation to specific ranges of tolerance of forest trees. (Bot. Gaz. LXVI. p. 465—493. 7 f.)
- Johnston, I. M. 1918.** A few notes on the botany of southern California. (Bull. S. California Ac. Sc. XVII. p. 64—66.)
- Johnston, I. M. 1918.** Some undescribed plants from southern California. (Bull. S. California Ac. Sc. XVII. p. 63—64.)
- Jungersen, H. F. E. 1918.** Et besøg paa Bermudas-Øerne. (Geogr. Tidsskr. VIII. p. 289—305.)
- Kalkreuth, P. 1917.** Die Vegetationsverhältnisse des Kreises Berent mit Bezugnahme auf die wichtigsten grundlegenden geographischen und ökologischen Faktoren. (Ber. westpreuss. bot.-zool. Ver. XXXIX. p. 29—68.)
- Keeler, H. L. 1917.** The wayside flowers of summer. (New York, 1917. XIII, 288 pp. ill.)
- Knowlton, C. H. 1918.** Plants from South Weymouth, Massachusetts. (Rhodora. XX. p. 115.)
- Knowlton, C. H. and W. Deane. 1918.** Reports on the flora of the Boston district. XXVI. (Rhodora. XX. p. 15—18.)
- Knowlton, C. H. and W. Deane. 1918.** Reports on the flora of the Boston district XXVII. (Rhodora. XX. p. 55—59.)
- Koorders, S. H. 1918.** Abbildung und Beschreibung von *Rafflesia atjehensis* aus Nord-Sumatra. (Bull. Jard. bot. Buitenzorg. 3. I. 1. p. 77—81. 3 T.)
- Koorders, S. H. 1918.** Beitrag zur Kenntnis der Flora von Java. N^o 9. Beschreibung und Abbildung von einer neuen Art von *Prunus* aus West-Java. (Bull. Jard. bot. Buitenzorg. 3. I. 1. p. 84—85.)

- Koorders, S. H. 1918.** Notiz über eine neue Abbildung von *Rafflesia Hasseltii* Sur. (Bull. Jard. bot. Buitenzorg. 3. I. 1. p. 82—83. 1 T.)
- Lemke, E. 1917.** Die Eberesche [*Sorbus aucuparia* L.] in Natur- und Volkskunde. (Ber. westpreuss. bot.-zool. Ver. XXXIX. p. 69—72.)
- Long, B. 1918.** *Eragrostis peregrina* a frequent plant about Philadelphia. (Rhodora. XX. p. 173—180.)
- Long, B. 1918.** History of the American record of *Scirpus mucronatus*. (Rhodora. XX. p. 41—48.)
- Lunell, J. 1917.** Enumerantur plantae Dakotae septentrionalis vasculares. X, XI and XIII. (Amer. Midland Nat. V. p. 1—13, 31—46, 93—98.)
- Macbride, J. F. 1918.** A new species of bladdernut [*Staphylea Brighamii*]. (Rhodora. XX. p. 127—129.)
- Mac Caughey, V. 1918.** An endemic *Begonia* of Hawaii. (Bot. Gaz. LXVI. p. 273—276.)
- Mac Caughey, V. 1918.** The strand flora of the Hawaiian Archipelago. II. Ecological relations. (Bull. Torrey bot. Club. XLV. p. 483—502.)
- Mac Kay, A. H. 1918.** The phenology of Nova Scotia, 1916. (Proc. and Trans. Nova Scotian Inst. Sc. Halifax, Nova Scotia. XIV. p. 147—154.)
- Mágoosy-Dietz, S. 1914.** Adatok a Balaton és környéke flórájának ismeretéhez. [Beiträge zur Kenntnis der Flora der Umgebung des Balaton]. (Bot. Közl. 1914. p. 117—127, (53)—(56).)
- Markle, M. S. 1918.** A comparison of the plant succession on Hudson river limestone with that on Niagara limestone, near Richmond, Indiana. (Proc. Indiana Ac. Sc. 1917 [1918]. p. 109—113.)
- Mayer, C. J. and W. Zimmermann. 1918.** *Epipactis* (*Cephalanthera*) *Mayeri* W. Zim. (= *Epipactis Cephalanthera*) *alba* × *rubra*. (Mitt. bayer. bot. Ges. III. p. 463—466. 1 A.)
- Merrill, E. D. 1918.** *Oreomyrrhis borneensis* Merr. sp. nov., an interesting addition to our knowledge of the Malayan flora. (Amer. Journ. Bot. V. p. 514—515. 1 pl.)
- Merritt, M. L. 1917.** The Philippine forests. (Amer. Forester. V. p. 5—12. ill.)
- Minns, S. A. 1918.** Primroses [*Primula*]. (Journ. int. Gard. Club. II. p. 256—278. ill.)
- Nelson, J. C. 1918.** Further additions to the flora of western Oregon. (Torreya. XVIII. p. 220—226.)
- Nichols, G. E. 1918.** The vegetation of northern Cape Breton Island, Nova Scotia. (Trans. Connecticut Ac. Arts and Sc. XXII. p. 249—467. 70 f.)
- Nieuwland, J. A. 1917.** Critical notes on new and old genera of plants. (Amer. Midland Nat. V. p. 30.) [*Gonodia*, with *G. pulvinatum*, is proposed for *Myriactis* Kutz. — Trelease.]
- Ochoterena, I. 1918.** Una nueva especie de *Mamillaria*. (Biol. Dir. II. p. 355—356. 3 f.)
- Pau, C. 1918.** Hieracios catalanes. (Bol. r. Soc. española Hist. nat. XVIII. p. 505—507.)
- Paulin, A. 1917.** Iris Cengialti Ambrosi und *Centaurea alpigena* Paulin, zwei für Krain neue Pflanzen aus den Wocheiner Alpen. (Carniolica. VIII. p. 93—109.)
- Paulin, A. 1917.** Ueber die in Krain adventiven *Euphorbia*-Arten der Sektion *Anisophyllum*. (Carniolica. VIII. p. 228—235.)
- Pennell, F. W. 1918.** A botanical expedition to Colombia. (Journ. New York bot. Gard. XIX. p. 117—138. 2 pl.)
- Pennell, F. W. 1918.** Notes on plants of the Southern United States

- IV. (Bull. Torrey bot. Club. XLV. p. 477—482.) [Contains as new *Rhexia interior*.]
- Piper, C. V. 1918.** Some western species of *Lathyrus*. (Proc. biol. Soc. Washington. XXXI. p. 189—196.)
- Rietz, G. E. du, T. C. E. Fries und T. A. Tengwall. 1918.** Vorschlag zur Nomenklatur der soziologischen Pflanzengeographie. (Svensk bot. Tidskr. XII. p. 145—170.)
- Robinson, B. L. 1918.** A. descriptive revision of the Colombian Eupatoriums. (Proc. amer. Ac. Arts and Sc. LIV. p. 264—330.)
- Robinson, B. L. 1918.** Diagnoses and notes relating to tropical american Eupatoriae. (Proc. amer. Ac. Arts and Sc. LIV. p. 235—263.)
- Robinson, B. L. 1918.** Keyed recensions of the Eupatoriums of Venezuela and Ecuador. (Proc. amer. Ac. Arts and Sc. LIV. p. 331—367.)
- Sargent, C. S. 1918.** Notes on North American trees. II. *Carya*. (Bot. Gaz. LXVI. p. 229—258.)
- Sargent, C. S. 1918.** Notes on North American trees. III. *Tilia*. II. (Bot. Gaz. LXVI. p. 494—511.)
- Sargent, C. S. 1917.** *Plantae Wilsonianae*. Vol. III. (Publ. Arnold Arboretum N^o 4. Cambridge, Univ. Press. 1917. X, 666 pp.)
- Schiller, Z. 1918.** A magyar viziboglárkák rendszertani tagozódása [Systematische Gliederung der ungarischen Batrachien]. (Bot. Közl. XVII. p. 35—43. Mit deutsch. Res.)
- Schlechter, R. 1918.** Die Ericaceen von Deutsch-Neu-Guinea. [Forts.]. (Bot. Jahrb. LV. p. 145—194. 13 F.)
- Schlechter, R. 1918.** Eine neue papuasische Burmanniacee. (Bot. Jahrb. LV. p. 202—203. 1 F.)
- Schlechter, R. 1918.** Kritische Aufzählung der bisher aus Zentral-Amerika bekannt gewordenen Orchidaceen. (Beih. bot. Cbl. 2. XXXVI. p. 321—520.)
- Schlechter, R. 1918.** Wie wachsen die Disa-Arten in ihrer Heimat? (Orchis. XII. p. 77—83.)
- Schneider, G. 1917/18.** Weitere Beiträge zur Kenntnis der chinesischen Arten der Gattung *Berberis* (*Euberberis*). (Oesterr. bot. Zschr. LXVI. p. 313—326. LXVII. p. 15—32, 135—146, 213—228, 284—300.)
- Schulz, A. 1918.** Ueber das Vorkommen von Halophyten in Mitteldeutschland auf kochsalzfreiem Boden. (Ber. deutsch. bot. Ges. XXXVI. p. 410—413.)
- Schulz, O. E. 1918.** Die bisher bekannten Cruciferen Papuasiens. (Bot. Jahrb. LV. p. 266—272. 1 F.)
- St. John, H. 1918.** Further notes on *Potamogeton*. (*Rhodora*. XX. p. 191—192.)
- Skärman, J. A. O. 1918.** *Salix myrtilloides*. L., funnen uti Trysil i Norge. [S. m. L. in Trysil in Norwegen]. (Svensk bot. Tidskr. XII. p. 243—245.)
- Skottsberg, K. 1918.** Die schwedische Expedition nach den chilenischen Inseln im Grossen Ozean 1916/17. (Petermanns Mitt. LXIV. p. 74—76.)
- Sterner, R. 1918.** Bitrag till kannedomen om Oelands flora [Beiträge zur Kenntnis der öländischen Flora]. (Svensk bot. Tidskr. XII. p. 233—241. 1 A.)
- Sternwall, O. 1918.** Nyhet för Sveriges flora [Eine Neuheit für die Flora Schwedens]. (Svensk bot. Tidskr. XII. p. 241—242.)
- Stevens, O. E. 1917.** Plants of Manhattan and Blue Rapids, Kansas, with dates of flowering. I—III. (Amer. Midland Nat. V. p. 71—87, 98—112, 113—129.)

- Sutton, J. M. 1917.** Flora of the Detroit zoological tract. (Annual Rep. Michigan Ac. Sc. XIX. p. 263—271. 1 f.)
- Takeda, H. 1918.** Notes on far eastern plants. I—VI. (Bot. Mag. Tokyo. XXXII. p. 194—203. ill.)
- Theilung, A. 1918.** Neuere Wege und Ziele der systematischen Botanik erläutert am Beispiele unserer Getreidearten. (Mitt. natw. Ges. Winterthur. XII. p. 109—152. 3 F.)
- Turrill, W. B. 1918.** Contributions to the flora of Macedonia. I. (Kew Bull. 1918. p. 249—341.)
- Wettstein, R. von 1918.** Botanische Notizen. I. Ueber die Auffindung von *Rhododendron ponticum* L. in der Balkanhalbinsel. (Oesterr. bot. Zschr. LXVII. p. 301—303. 1 T.)

XIX. Pflanzenchemie.

- Daish, A. J. 1916.** The distribution of maltase in plants. II. The presence of maltase in foliage leaves. (Biochem. Journ. X. p. 49—55.)
- Daish, A. J. 1916.** The distribution of maltase in plants. III. The presence of maltase in germinated barley. (Biochem. Journ. X. p. 56—76.)
- Davis, W. A. 1916.** The distribution of maltase in plants. I. The functions of maltase in starch degradation and its influence on the amylolytic activity of the plant materials. (Biochem. Journ. X. p. 31—48.)
- Davis, W. A. 1916.** The estimation of carbohydrates. IV. The supposed precipitation of reducing sugars by basic lead acetate. (Journ. agr. Sc. VIII. p. 7—15.)
- Davis, W. A. 1916.** The use of enzymes and special yeasts in carbohydrate analysis. (Journ. Soc. chem. Ind. 1916. p. 35.)
- Fischer, E. 1918.** Synthese von Depsiden, Flechtenstoffen und Gerbstoffen. II. (Sitzber. preuss. Ak. Wiss. 1918. p. 1100—1119.)
- Herter, W. 1917.** Brotuntersuchungen mit dem Farbgemisch „Schwarz-Weiss-Rot“. (Zschr. ges. Getreidew. IX. p. 44—49. 1 T.)
- Johns, C. O. and D. Breese Jones. 1918.** The proteins of the peanut, *Arachis hypogaea*. (Journ. biol. Chem. XXXVI. p. 491—500.)

XX. Angewandte Botanik (technische, pharmaceutische, landwirtschaftliche, gärtnerische) und Forstbotanik.

Cf. V. Harper, Salmon; VI. Harper; XVIII. Britton.

- Arny, A. C. and H. K. Hayes. 1918.** Experiments in field technic in plot tests. (Journ. agr. Res. XV. p. 251—262.)
- Berlin. 1918.** Les bois de la Côte d'Ivoire. (Paris, 1918. 8^o.)
- Beyer Aune 1918.** The work of the Belle Fourche reclamation project experiment farm in 1917. (Circ. U. S. Dep. Agr. Washington. Bur. Plant Ind. 1918. 24. 31 pp. ill.)
- Blair, R. E. 1918.** The work of the Yuma reclamation project experiment farm in 1917. (Circ. U. S. Dep. Agr. Washington Bur. Plant Ind. 1918. 25. 45 pp. ill.)
- Boshart, K. 1918.** Der Anbau einiger medizinisch wichtiger Solanaceen. [Schluss]. (Heil- u. Gewürzpfl. II. p. 121—129.)
- Brenchley, W. E. 1917.** The effect of weeds upon cereal crops. (N. Phytologist. XVI. p. 53—76.)
- Buchwald, J. and W. Herter. 1917.** Der getreidekeim, ein neues Nahrungsmittel. (Zschr. ges. Getreidew. IX. p. 33—43, 65—76. 24 A.)
- Chevalier, A. 1918.** Premier inventaire des bois et autres produits

- forestiers du Tonkin. [Suite]. (Bull. écon. Indochine. XXI. p. 742—884. A suivre.)
- Cocannouer, J. A. 1918.** Tests of some imported garden legumes. (Philippine Journ. Sc. XIII. Sec. A. p. 67—95.)
- Cook, O. F. 1918.** Cotton as a seed crop. (Science. N. S. XLVIII. p. 167—168.)
- Cook, O. F. 1918.** Meade cotton. (Science. N. S. XLVIII. p. 11—12.)
- Cook, M. T. 1918.** Modern applications to botany. (Brooklyn bot. Gard. Mem. I. p. 123—127.)
- Darrow, G. M. 1918.** Culture of the logan blackberry and related varieties. (Farmers' Bull. U. S. Dep. Agr. 1918. 998. 24 pp. ill.)
- Der Erde Frucht. 1918.** Entstehung, Gewinnung und Verwertung der Pflanzen. Hrsg. von H. Krämer, in Verbindung mit O. Appel u. a. 2 Bände. (Neue Sonderausgabe von „Der Mensch und die Erde“. Bd. 3 und 4). (Berlin, 1918. 512 und 556 pp. ill.)
- Ehrenberg, P. 1918.** Die Bodenkolloide. Eine Ergänzung für die üblichen Lehrbücher der Bodenkunde, Düngerlehre und Ackerbaulehre. 2 Aufl. (Dresden und Leipzig, Th. Steinkopf. 1918. 717 pp.)
- Ellis, D. 1918.** Medicinal herbs and poisonous plants. (London, 1918. 8^o.)
- Ewart, A. J. 1918.** Native fibre plants. (Journ. Dep. Agr. Victoria. XVI. p. 747—750.)
- Fauchère, A. 1918.** Guide pratique d'Agriculture tropicale. Tome I. Principes généraux. (Paris, 1918. 8^o. ill.)
- Fields, W. S. 1917.** Method for photographing culture plates. (Phytopathology. VII. p. 388. 1 f.)
- Fleming, C. E. 1918.** Range plants poisonous to sheep and cattle in Nevada. (Bull. Agr. Exp. Stat. Nevada. 1918. 95.)
- Frear, W. and E. S. Erb. 1918.** Condition of fertilizer potash residues in Hagerstown silty loam soil. (Journ. agr. Res. XV. p. 59—81.)
- Fürstenberg, M. 1916.** Die Einführung der Soja, eine Umwälzung der Volksernährung. (Berlin, 1916. 8^o. 30 pp.)
- Hansen, A. A. 1918.** Canada thistle [*Cirsium arvense*] and methods of eradication. (Farmers' Bull. U. S. Dep. Agr. 1918. 1002. 15 pp. ill.)
- Harreveld, J. van 1918.** Statistiek van de verbreiding en de productie der rietsoorten in oogst 1914. (Arch. Suikerind. Ned.-Indië. 1918. p. 1699—1748.)
- Harreveld, J. van 1918.** Statistiek van de verbreiding en de productie der rietsoorten in oogst 1917. (Arch. Suikerind. Ned.-Indië 1918. p. 2039—2122.)
- Haugsoth, E. R. 1918.** Die Arzneipflanzen Norwegens. Anbau, Einsammeln und Trocknen. (Heil- u. Gewürzpfl. II. p. 100—102.)
- Headley, F. B. 1918.** The work of the Truckee-Carson reclamation project experiment farm in 1917. (Circ. U. S. Dep. Agr. Bur. Plant Ind. Washington. 1918. 23. 24 pp.)
- Heinze, B. 1918.** Der Anbau der Oelbohne oder Sojabohne und seine Bedeutung für die deutsche Land- und Volkswirtschaft. (Landw. Jahrb. LI. p. 747—778.)
- Heinze, B. 1918.** Einiges über die Oelbohne, ihren Anbau, den volkswirtschaftlichen Wert und ihre besondere Bedeutung als Heil- und Gewürzpflanze. (Heil- u. Gewürzpflanzen. II. p. 82—91, 129—134.)
- Herrmann. 1917.** Zur Theorie der Harznutzung. (Ber. west-preuss. bot.-zool. Ver. XXXIX. p. 77—82. 6 F.)
- Herter, W. 1916.** Bericht über die Tätigkeit der Botanisch-bakteriologischen Abteilung der Versuchsanstalt für Getreideverarbeitung

- in Berlin, Berichtsjahr 1. Oktober 1915 bis 30. September 1916. (Zschr. ges. Getreidew. VIII. p. 201—206.)
- Herter, W. 1917.** Bericht über die Tätigkeit der Botanisch-bakteriologischen Abteilung der Versuchsanstalt für Getreideverarbeitung in Berlin vom 1 Oktober 1916. bis 31. März 1917. (Zschr. ges. Getreidew. IX. p. 196—202.)
- Herter, W. 1917.** Die mikroskopische Untersuchung stärkehaltiger Nahrungs- und Futtermittel. (Der Müller, Pössneck. XXXIX. p. 9—11.)
- Herter, W. 1917.** Die mikroskopische Untersuchung von Rosskastanienmehl. (Der Müller, Pössneck. XXXIX. p. 62.)
- Herter, W. 1916.** Die Verwendung der Rosskastanie in der Kriegszeit. (Zschr. ges. Getreidew. VIII. p. 119—123.)
- Herter, W. 1917.** Trocknungsprodukte der Rosskastanie. (Die Trocknungsindustrie. 1917. p. 49—51. 2 A.)
- Herter, W. 1917.** Zur Geschichte des Gebäcks. (Zschr. ges. Getreidew. IX. p. 135—140.)
- Herter, W. 1916.** Zur Mikroskopie stärkehaltiger Nahrungs- und Futtermittel. Ein Vorschlag zu einheitlicher Arbeitsweise. (Zschr. ges. Getreidew. VIII. p. 177—183.)
- Honing, J. A. 1918.** Selectie-proeven met Deli-tabak. II. (Med. Deli Proefstat. 2. II. 84 pp.)
- J. M. H. 1918.** A new Tanning Bark, Terminalia Arjuna, Bedd. (Kew Bull. 1918. p. 158.)
- Kluyver, A. J. 1918.** Nieuwe onderzoekingen over copra en klapperolie. (Teysmannia. XXIX. p. 571—579.)
- Kyle, C. H. 1918.** Shuck protection for ear corn. (Bull. U. S. Dep. Agr. 1918. 708. 16 pp.)
- Lauche, W. 1918.** Ueber einige Veredlungsversuche. (Blätter Obst-, Wein- u. Gartenb. u. Kleintierzucht. XVI. p. 26—31.)
- Lawes. 1918.** Agricultural trust Rothamsted experimental Station Harpenden. Report 1915—17 with the Supplement to the „Guide to the experimental plots” containing the yields per acre, etc. (Harpenden, D. J. Jeffery. 1918. 8^o. 71 pp.)
- Lecomte. H. 1918.** A propos d'une Sapotacée du Tonkin (Le Cay Sen). (Bull. écon. Indochine. XXI. p. 735—741. 2 f.)
- Legat, C. E. 1918.** Timber supplies and forestry in the Union. (S. Afric. Journ. Sc. XV. p. 79—99.)
- Lendner, A. 1918.** Les semences de l'Ilex paraguariensis St. Hil. (Schweiz. Apoth.-Ztg. LV. p. 565—569. 1 A.)
- Linfield, F. B. 1918.** A new forage plant [Russian Sunflower]. (Journ. of Heredity. IX. p. 135—138. 3 f.)
- Ljung, E. W. 1918.** Svalöfs förädlade Wasaräg. (Sverig. Utsädesf. Tidskr. XXVIII. p. 71—81.)
- Lumsden, D. 1918.** Orchid breeding. (Journ. int. Gard. Club. II. p. 202—212. ill.)
- Maas, J. G. J. A. 1918.** Betrouwbaarheid van veldproeven bij Hevea [Reliability of field experiments with Hevea]. (Arch. Rubbercult. II. p. 561—613. Dutch and engl.)
- Maas, J. G. J. A. 1918.** Kiemproeven met Hevea-zaad [Germination trials with Hevea seed]. (Arch. Rubbercult. II. p. 666—725. Dutch and english.)
- Mackenzie, K. K. 1918.** Labrador tea in New Jersey. (Torreya. XVIII. p. 239—242.)
- Marsh, C. D., A. B. Clawson and H. Marsh. 1918.** Larkspur or „poison weed”. (Farm. Bull. U. S. Dep. Agr. 1918. 988. 15 pp. 6 f.)
- Marsh, C. D., A. B. Clawson and H. Marsh. 1918.** Stagger grass

- (*Chrosperma muscaetoxicum*) as a poisonous plant. (Bull. U. S. Dep. Agr. 1918. 710. 14 pp. 8 f.)
- Marsh, C. D. 1918.** Stock-poisoning plants of the range. (Bull. U. S. Dep. Agr. 1918. 575: 24 pp. 30 pl.)
- Mehrhardt, 1917.** Harzgewinnung in unsern Wäldern. (Ber. west-preuss. bot.-zool. Ver. XXXIX. p. 73—76.)
- Mellström, G. 1918.** Skogsträdens frösättning år 1917 [Samenertrag der Waldbäume in Schweden im Jahre 1917]. (Med. Stat. Skogsförsöksanst. XV. p. 43—68. Schwedisch ill. und p. IV—VI deutsch.)
- Mitscherlich, E. A. 1918.** Ergebnisse von Vegetationsversuche des Jahres 1916. (Landw. Jahrb. LI. p. 473—487.)
- Modestov, A. 1917.** Ueber die angebliche einseitige Verarmung des Bodens an Stickstoff, Phosphorsäure und Kali durch die verschiedenen Kulturen. (Landw. Ztg. Petersburg. 1917. p. 174—176.)
- Nuckols, S. B. and E. L. Currier. 1918.** Farm practice in growing sugar beets in the Billings region of Montana. (Bull. U. S. Dep. Agr. 1918. 735. p. 1—37. 7 f.)
- Petrini, S. 1918.** Formpunktsmetoden och dess användning för formklassbestämning och kubering. En prövning på granmaterial från Norbotten [The method of obtaining the form-class and volume of single trees by the use of form point. An investigation based on a spruce material from Norbotten, Sweden]. (Medd. Stat. Skogsförsöksanst. XV. p. 233—273. Swedish and p. XXIX—XXXII english.)
- Report (1918)** of the acting Chief of the Bureau of Plant Industry. (Washington, D. C. 1918. 8^o. 30 pp.)
- Report (1917)** of the Chief of the Bureau of Plant Industry. (Washington, D. C. 1917. 8^o. 32 pp.)
- Schwappach. 1918.** Die Forsten und Holzungen im Deutschen Reiche nach den Erhebungen des Jahres 1913. (Zschr. Forst- u. Jagdw. L. p. 586.)
- Senft-Kuraz. 1917.** Anbauversuche mit gelbsamiger Sojabohne in Oesterreich. (Wien, 1917. 8^o. 37 pp. 10 T.)
- Strecker, 1917.** Ein Unkraut als Nahrungsmittel. (Ill. landw. Ztg. XXXVII. p. 517—518.)
- Wittmack, L. 1917.** Gemüsesamenbau. (Jahrb. deutsch. Landw.-Ges. 1917. p. 188—197.)

XXI. Biographie, Necrologie.

- Barnhart, J. H. 1918.** John Eatton Le Conte. (Amer. Midland Nat. V. p. 135—138.)
- Anonymus. 1918.** Leconte's unpublished works on plants. (Amer. Midland Nat. V. p. a.)
- Galloway, B. T. 1917.** Newton B. Pierce. (Phytopathology. VII. p. 143—144.)
- Hayek, A. von 1918.** Dr. Eustach Woloszczak †. (Verh. zool.-bot. Ges. Wien. LXVIII. p. (284)—(288).)
- Resak, C. 1917.** Odo Magdunensis, der Verfasser der Macer Florides und der Deutsche Leipziger Macer-Text. (Leipzig, 1917. 8^o. 49 pp.)

Ausgegeben: 1 April 1919.

Buchdruckerei A. W. Sijthoff in Leiden.
Verlag von Gustav Fischer in Jena.

ZOBODAT - www.zobodat.at

Zoologisch-Botanische Datenbank/Zoological-Botanical Database

Digitale Literatur/Digital Literature

Zeitschrift/Journal: [Botanisches Centralblatt](#)

Jahr/Year: 1919

Band/Volume: [142](#)

Autor(en)/Author(s): Diverse Autoren Botanisches Centralblatt

Artikel/Article: [Neue Litteratur. No.3 33-48](#)