

in unseren meisten Gebirgen gedeihen; vergeblich wäre nur, sie im schweren Lehm der Oberrheinebene oder der östlichen Provinzen, im Sande der Mark oder im Jura anpflanzen zu wollen.

Die Frage der forstlichen Verwerthung der Douglasfichte in Deutschland ist also noch eine offene; denn alles, was bis jetzt in Deutschland von dieser Art sich findet, ist nach Verf. die werthlose „red fir.“

Jännicke (Frankfurt a/M.).

Neue Litteratur.*)

Geschichte der Botanik:

Deby, J., Nécrologie: Alfred Truan y Luard; John Ralſs. (La nuova Notarisia. 1890. p. 241.)

F. Lamson Scribner. (Orchard and Garden. Vol. XII. 1890. p. 149. With Illustr.)

Allgemeines, Lehr- und Handbücher, Atlanten:

Zwick, H., Leitfaden für den Unterricht in der Pflanzenkunde. 3 Curse. 6. Aufl. 8°. 96 pp. mit 42 Abbild. Berlin (Nicolai) 1890. M. 1.20.

Algen:

Bohlin, K., Myxochaete, ett nytt släkte bland sötvattensalgerna. Med 1 Tafla. (Bihang till Kongl. Svenska Vet. Akademiens Handlingar. Bd. XV. 1890. Afd. 3. No. 4.)

Cox, J. D., Diatoms: their nutrition and locomotion. (The Microscope. 1890. p. 196.)

Deby, J., Bibliographie récente des Diatomées. III. (La nuova Notarisia. 1890. p. 232.)

Gill Haughton, C., On diatom structure. (Journal of the Quek. Microscopical Club. 1890. No. 7.)

Hansgirg, A., Prodromus českých ras sladkorodních. II. (Archiv für die naturwissenschaftliche Durchforschung Böhmens. Bd. VI. 1890. Heft 6. Mit 1 Tafel.)

Lagerheim, G. von, Bertholdia nov. nom. und Dictyocystis. (La nuova Notarisia. 1890. p. 225.)

— —, Gloeochaete Lagerheim und Schrammia Dangeard. (I. c. p. 227.)

Mackenzie, J. J., A preliminary list of Algae collected in the neighbourhood of Toronto. (Proceedings of the Canadian Institute. Vol. XXV. 1890. No. 153. p. 270—274.)

Mann, A., Classification, life-history, gathering and preparing Diatoms. (American Monthly Microscopical Journal. 1890. No. 5.)

Moles, J. J., Cleaning Diatoms. (Microscopical Bulletin of Philadelphia. 1890. June.)

Nelson, E. M., Structure of the Diatom valve. (Journal of the Quek. Microscopical Club. 1890. p. 214.)

Onderdonk, C., Movements of Diatoms. (Microscope. Vol. X. 1890. p. 225—229.)

*) Der ergebenst Unterzeichneta bittet dringend die Herren Autoren um gefällige Uebersendung von Separat-Abdrücken oder wenigstens um Angabe der Titel ihrer neuen Publicationen, damit in der „Neuen Litteratur“ möglichst Vollständigkeit erreicht wird. Die Redactionen anderer Zeitschriften werden ersucht, den Inhalt jeder einzelnen Nummer gefälligst mittheilen zu wollen, damit derselbe ebenfalls schnell berücksichtigt werden kann.

Rafter, G. W., The freshwater Algae and their relations to the purity of public water supplies. (Eng. and Build. Rec. Vol. XX. 1889. p. 115, 116, 129, 131 and American Society Civ. Eng. 1890. May 1.)

Rodriguez, J., Datos algologicos. III. Una especie nueva del género Cladhymenia. (Anales de la Socied. Esp. de historia natur. Tom. XIX. 1890. p. 97—100. Lam. II.)

Pilze:

Ellis, J. B. and **Everhart, B. M.**, *Mucronoporus Andersoni*. (The Journal of Mycology: devoted especially to the study of fungi in their relation to plant diseases. Vol. VI. 1890. No. 2. p. 79.)

— — and **Tracy, S. M.**, A few new fungi. (l. c. p. 76.)

Fairchild, David G., Index to North American mycological literature. (The Journal of Mycology: devoting especially to the study of fungi in their relation to plant diseases. Vol. VI. 1890. No. 2. p. 80.)

Fairman, Charles E., Fungi of Western New York. (Proceedings of the Rochester Academy of Science. 1890. p. 43—53. 2 plates.)

Mac Millan, Conway, Note on a Minnesota species of *Isaria* and an attendant *Pachybasium*. (l. c. p. 75.)

Flechten:

Eckfeldt, John W., A further enumeration of some Lichens of the United States. (Bulletin of the Torrey Botanical Club of New-York, a Monthly Journal of Botany. Vol. XVII. 1890. No. 10. p. 255.)

Muscineen:

Britton, Elizabeth G., A handbook of the mosses of North-eastern America. (Bulletin of the Torrey Botanical Club, a Monthly Journal of Botany. Vol. XVII. 1890. No. 10. p. 260.)

Underwood, Lucien M., A new North American Lejeunea. (l. c. p. 258.)

Gefässkryptogamen:

Flechtner, Joh., Ueber neue und seltenere Gefässkryptogamen nebst Bemerkungen über diese Classe im Allgemeinen. (Gartenflora. Jahrg. XXXIX. 1890. H. 21. p. 583.)

Small, John K., Notes on *Asplenium pinnatifidum*. (Bulletin of the Torrey Botanical Club, a Monthly Journal of Botany. Vol. XVII. 1890. No. 10. p. 257.)

Stone, Witmer, Note on *Asplenium pinnatifidum*. (l. c. p. 261.)

Physiologie, Biologie, Anatomie und Morphologie:

Gregory, Emily L., Notes on the manner of growth of the cell wall. With plate CIX. (Bulletin of the Torrey Botanical Club, a Monthly Journal of Botany. Vol. XVII. 1890. No. 10. p. 247.)

Halsted, Byron D., Artificial germination of Milkweed pollen. (Microscope. Vol. X. 1890. p. 229—230. Illustr.)

Huth, Ernst, Ueber geokarpe, amphikarpe und heterokarpe Pflanzen. (Huth, Ernst, Sammlung naturwissenschaftlicher Vorträge. Bd. III. 1890. Heft X.) 8°. 31 pp. Berlin (Friedländer & Sohn) 1890.

Kienitz-Gerloff, F., Die Schutzmittel der Pflanzen. [Forts.] (Naturwissenschaftliche Wochenschrift. Bd. V. 1890. No. 44. p. 434.)

Lignier, O., Contributions à la connaissance du bouton floral male de Chamaedorea elegans. (Bulletin de la Société Linéenne de Normandie. Sér. IV. Tome IV. 1890. Fasc. 1/2. p. 23.)

Systematik und Pflanzengeographie:

Bennett, James L., *Polygonatum biflorum*. (Bulletin of the Torrey Botanical Club, a Monthly Journal of Botany. Vol. XVII. 1890. No. 10. p. 259.)

Brandegee, T. S., Flora of the Californian islands. (Zoe. Vol. I. 1890. p. 129—148.)

Britton, N. L., Contributions to the Texan botany. (Transactions of the New York Academy of Sciences. Vol. IX. 1890. p. 181—185.)

Correvon, H., Schutz der Alpenpflanzen. (Neubert's Deutsches Gartenmagazin. Jahrg. XLIII. 1890. Heft 10. p. 289.)

- Dürrnberger, Adolf**, *Cirsium Stoderianum*. (Oesterreich. botanische Zeitschrift, Jahrg. XL. 1890. No. 11. p. 410.)
- Fernald, Merritt L.**, Notes on two Carex. (Bulletin of the Torrey Botanical Club, a Monthly Journal of Botany. Vol. XVII. 1890. No. 10. p. 261.)
- Fiala, F.**, Beiträge zur Flora von Bosnien. (Glasnik zemaljskog muzeja na Bosnii Herzegovini. III. 1890. Heft 2. 8°. 5 pp.)
- Flora von Oesterreich-Ungarn. I. Mähren von Ad. Oborny. II. Ost-Ungarn von L. Simonkai und V. v. Borbás. III. Dalmatien von R. v. Weltstein. (Oesterr. botan. Zeitschr. Jahrg. XL. 1890. No. 11. p. 419.)
- Freyn, J.**, Plantae novae orientales. (l. c. p. 399.)
- Halácsy, E. v.**, Beiträge zur Flora der Balkanhalbinsel. (l. c. p. 404.)
- Mc Millan, Conway**, Note on the eastward extension of *Pentstemon albidus*. (Bulletin of the Torrey Botanical Club, a Monthly Journal of Botany. Vol. XVII. 1890. No. 10. p. 260.)
- Mohr, Carl**, The Florida spruce pine. (Garden and Forest. Vol. III. 1890. p. 402—403.)
- Mueller, Ferdinand, Baron von**, Descriptions of new Australian plants, with occasional other annotations. [Continued.] (Extra print from the Victorian Naturalist. 1890. October.)

[*Eucalyptus Bauerleni*.]

Shrubby or arborescent; branchlets rather robust, angular when young; leaves scattered, on comparatively short petioles, thickly chartaceous, mostly falcate-lanceolar, dark-green on both sides, without conspicuous lustre; their venules subtle, rather close, moderately spreading, the marginal one distinctly removed from the edge of the leaf; oil-dots copious but faint; peduncles axillary, solitary, very short, broadish compressed, usually three-flowered; pedicels only very little developed or quite obliterated; tube of the calyx almost semi-ovate or more hemi-ellipsoid, slightly angular; operculum somewhat shorter than the tube, its lower part rather depressed, the upper somewhat suddenly ending in a narrow point; stamens all fertile; filaments yellowish-white except the reddish base, infrafixed before expansion; anthers pale, nearly ovate, opening by longitudinal slits; style short; stigma hardly broader than the style; fruit somewhat large, nearly semi-ovate, its border narrow, slightly channelled; valves three or four, arising considerably below the border, semi-exserted, rather pointed; fertile seeds almost ovate, without any appendage, larger than the sterile seeds, flat or angular on the inner side.

On rocky declivities of the Sugar-Loaf Mountain, towards the sources of the Clyde, at elevations between 2500 and 4000 feet, together with *Eriostemon Coxii* and *Hakea Macraeana*; W. Bauerlen.

Thinly few- or many-stemmed, flowering at a height of 5 feet, but attaining to 40 feet. Bark smooth, brownish outside, the outer layers seceding. Leaves to 7 inches long and to 1 inch broad, generally with a reddish edge. Calyx inside near the margin often red. Style usually red. Fruit often fully $\frac{1}{3}$ inch long.

This species in many respects approaches *E. goniocalyx*, but the leaves are of a darker green, have the venules more immersed, and are more pellucidly dotted; the peduncles are shorter and bear a lesser number of flowers, the lid is much pointed, almost like that of *E. leucoxylon*, the fruit is larger and nearly as broad as long with elongated and thus much emerging valves, hence more like that of *E. resinifera*, and the leaves of young seedlings are from roundish oval to elliptic and soon scattered.

It differs from *E. Gunnii* in the marked curvature of the leaves and their thinner venules, reduced inflorescence, constant obliteration of pedicels, somewhat angular calyx-tube, longer pointed lid, larger fruits less downward attenuated and rather long-valved, also in the foliage of the young seedlings. It recedes mainly from *E. viminalis* in leaves with thinner venules and more conspicuous oil-dots, in the flattened and also often thicker and shorter peduncles, in the angular calyx-tube, in the shape of the operculum, and again in the larger fruits with halfenclosed valves of greater length and narrow rim.

Mr. Bauerlen has sent from near the Clyde also specimens of an Eucalypt, which he considers a hybrid between *E. corymbosa* and *E.*

maculata, in which case the characteristics of the former are prevailing; the leaves however are generally narrower, the operculum is double like that of *E. maculata*, and it separates by a clear transverse line; the wood also was found much lighter in colour than that of the genuine *E. corymbosa*, and the bark smooth on the upper portion of the stem as in *E. maculata*. The flowering time proved later than that of the former; as many as 16 flowers occur in an umbel; the fruits are generally not so long as those of *E. corymbosa*.

Helipterum Troedelii.

Annual, never tall; upper part of the stems and any branches beset with appressed lanuginous vestiture; leaves small, copious, from broad-linear to narrow-lanceolar, nearly flat, soon glabrous; headlets of flowers small, mostly crowded into terminal corymbs; peduncles very short or even some obliterated; involucres almost hemi-ellipsoid, terminating in short white laminas; outer involucral bracts brownish or somewhat colourless, broadish, blunt, glabrous; flowers 12—15; corollas only moderately widened upwards; achenes beset with white silk-like vestiture, those of the central flowers imperfectly developed; pappus white, to about one-third or nearly half its length quite tubular, thence extending into 6—9 imperfectly penicular-plumous bristlets.

Near the Barrier-Ranges; Mrs. Irvine. At Leight's Creeks, beyond Beltana; Mrs. Richards.

Erect or occasionally somewhat depressed. Height, so far as known, to 7 inches. Stems usually several. Leaves $\frac{1}{4}$ — $\frac{3}{4}$ inch long, $\frac{1}{16}$ inch broad or narrower; involucra, irrespective of the laminas, $\frac{1}{4}$ — $\frac{1}{3}$ inch long, the latter nearly half that length. Corollas almost totally enclosed, about as long as the pappus.

Somewhat similar to small forms of *H. corymbiflorum*, but partly glabrous; allied also to *H. strictum*, but the leaves much narrower and the peduncles very short; differing also widely from both and indeed from most congeners in the paucity of the bristlets of the pappus, which moreover is more extensively tubular than that of any other species. The plant shows some external resemblance also to *Helichrysum semifertile*; but the pappus is very different, and so the indument of the achenes.

This neat though small everlasting is dedicated to Charles Troedel, Esq., an honoured friend of the author through many years, from whose splendid lithographic establishment many hundred plates have emanated for works issued by the Phytologic Department of Melbourne. According to strict right of priority the generic name *Argyranthus* takes precedence over that of *Helipterum*.

Helipterum rubellum was found near Mount Caroline by Miss Julia Wells.

H. incanum and *H. moschatum* extend to the Warrego; L. Henry.

H. polypyllum; southward to the Tweed, Rev. B. Scortechini, and to Narrabri, Betchie.

H. corymbiflorum; Bowen-Downs, Ch. Birch. Small specimens with single headlets of flowers sent from the Flinders-River by Mr. Th. Gulliver. Rays rarely rosy-red. Illustrated in Wawra and Beck's „Itinera Princ. Coburg.“ II. 35, also *H. dimorpholepis*, II. 36.

H. pterochaetum; Mulligan-River; W. H. Cornish.

H. polyccephalum; near the Stirling's Range, F. v. M. Occasionally some few of the outer flowers devoid of a pappus.

H. laeve; Pulpulla, Josephson; base of Stirling's Range, F. v. M. Corollas very slender.

H. exiguum; near Swansea, Tasmania; A. Simson.

H. dimorpholepis; Severn; Rev. B. Scortechini.]

Nehring, Alfred, Ueber Tundren und Steppen der Jetzt- und Vorzeit, mit besonderer Berücksichtigung ihrer Fauna. 8°. 266 pp. Mit 1 Abbild. im Text und 1 Karte der Fundorte. Berlin (Ferd. Dümmler) 1890. M. 6.—

- Orcutt, C. R.**, Color notes on California wild flowers. (Garden and Forest. Vol. III. 1890. p. 438—439, 450—451.)
- Porter, T. C.**, *Prunus Allegheniensis*. (I. c. p. 428. Fig. 53.)
- Pringle, C. G.**, Notes on Mexican water lilies. (I. c. p. 415.)
[*Nymphaea Mexicana*, *N. elegans*, *N. ampla* and *N. gracilis*.]
— —, Notes on the ligneous vegetation of the Sierra Madre of Nuevo Leon. (I. c. p. 337—338, 362—363.)
- Regel, E.**, Beobachtungen über Orchideen und Beschreibung neuer Arten. (Gartenflora. Jahrg. XXXIX. 1890. Heft 21. p. 573.)
- Sargent, C. S.**, *Pyrus arbutifolia*. (Garden and Forest. Vol. III. 1890. p. 416. Fig. 52.)
- Soldanella transsilvanica** Borb. (Pötfüzetek a Természettudományi Közlönyhöz. Vol. XII. 1890. p. 191.)
- Spalding, V. M.**, The distribution of plants. (The American Naturalist. Vol. XXIV. 1890. No. 285. p. 819.)
- Taubert, P.**, Die Gattung *Phyllostylon* Capan und ihre Beziehungen zu *Samaroceltis* Poiss. (Oesterr. botanische Zeitschr. Jahrg. XL. 1890. No. 11. p. 406.)
- Vail, Anna M.**, The Alleghanies of Virginia in June. (Garden and Forest. Vol. III. 1890. p. 367—368, 391—392.)
- Wettstein, Richard von**, Untersuchungen über die Section „*Laburnum*“ der Gattung *Cytisus*. (Oesterr. botanische Zeitschrift. Jahrg. XL. 1890. No. 11. p. 395.)
- Zahn, Hermaun**, *Carex Kneuckeriana* mihi. (I. c. p. 412.)

Phytopalaeontologie:

- Lecornu, L.**, Sur le bassin silurien de la Brèche au Diable. (Bulletin de la Société Linéenne de Normandie. Sér. IV. Vol. IV. 1890. Fasc. 1/2. p. 49.)
- Ward, Lester F.**, Origin of the plane-trees. (The American Naturalist. Vol. XXIV. 1890. No. 285. p. 797.)

Teratologie und Pflanzenkrankheiten:

- Brefeld, Oscar**, Recent investigations of smut fungi and smut diseases. (The Journal of Mycology. Vol. VI. 1890. No. 2. p. 59.)
- Bünzli, J. H.**, Combating the potato blight. [Translat.] (I. c. p. 78.)
- Galloway, B. T. and Southworth, E. A.**, Preliminary notes on a new and destructive oat disease. (I. c. p. 72.)
- Harkness, H. W.**, Dangerous fungi. (Zoe. Vol. I. 1890. p. 151—152.)
- Nessler, J.**, Copper-soda and copper-gypsum as remedies for grape mildew. (The Journal of Mycology. Vol. VI. 1890. No. 2. p. 73.)
- Raspail, X.**, Note sur la mouche parasite des plantes potagères du genre *Allium*. (Bulletin de la Société zoologique de France. 1890. No. 7. p. 147—148.)
- Sargent, C. S.**, A curious form of *Kalmia*. (Garden and Forest. Vol. III. 1890. p. 452. Fig. 56.)
- Southworth, E. A.**, A new hollyhock disease. (The Journal of Mycology. Vol. VI. 1890. No. 2. p. 45.)
- Weed, C. M.**, Fourth contribution to a knowledge of the life-history of certain little known plant-lice, Aphididae. (Bulletin of the Ohio Agricultural experiment Station, Technical Series. Vol. I. 1890. No. 2. p. 111—120.)

Medizinisch-pharmaceutische Botanik:

- Banti, G.**, Sopra alcune localizzazioni extrapolmonari del Diplococco lanceolato capsulato. Ricerche. 8°. 58 pp. Firenze (Le Monnier Successori) 1890.
- Maggiore, A. und Gradenigo, G.**, Bakteriologische Beobachtungen über den Inhalt der Eustachischen Trompete bei chronischen, katarhalischen Mittelohrentzündungen. (Centralblatt für Bakteriologie und Parasitenkunde. Bd. VIII. 1890. No. 19. p. 582—589.)
- Mc Weeney, E. J.**, Preliminary note on the bacteria of poisonous mussels. (British Medical Journal. 1890. No. 1550. p. 628.)
- Netter, Le pneumocoque**. Histoire et critique. (Archives d. méd. expérим. et d'anat. pathol. 1890. No. 5. p. 677—699.)

- Petri, R. J.**, Untersuchungen über die durch das Wachsthum der Cholerabakterien entstehenden chemischen Umsetzungen. (Arbeiten aus dem kais. Gesundheits-Amte. Bd. VI. 1890. Heft 3. p. 375—421.)
- Roeser**, Sur un mode de contamination du pain par le Mucor stolonifer. (Journal de Pharmacie et de Chimie. Tome XXII. 1890. No. 4.)
- Schneidemühl, G.**, Ueber Strahlenpilz-Erkrankung bei Mensch und Thier. (Münchener medic. Wochenschr. 1890. No. 37. p. 639—641.)
- Schwalbe**, Ptomaine, Lenkomaine, Toxalbumine. (Deutsche medic. Wochenschr. 1890. No. 36. p. 807—810.)
- Stern, R.**, Ueber die Wirkung des menschlichen Blutes und anderer Körperflüssigkeiten auf pathogene Mikroorganismen. (Zeitschrift für klinische Medicin. Bd. XVIII. 1890. Heft 1/2. p. 46—71.)
- Tizzoni, G. und Cattani, G.**, Untersuchungen über das Tetanusgift. (Archiv für experimentelle Pathologie und Pharmakologie. Bd. XXVII. 1890. Heft 6. p. 432—450.)
- —, Sulla resistenza del virus tetanico agli agenti chimici e fisici. (Bulllett. d. scienze med. 1890. p. 559.)
- Tuffier et Albarran**, Note sur les micro-organismes des abcès urinaires péri-urétraux. (Annales d. malad. d. organ. génito-urin. 1890. Sept. p. 533—541.)
- Viti, A.**, L'endocardite secondo le moderne dottrine microbiche. (Atti della R. Accademia d. fisiocrit. di Siena. Ser. IV. Vol. II. 1890. No. 5/6. p. 259—375.)

Technische, forst-, ökonomische und gärtnerische Botanik:

- A fine bur oak. (Garden and Forest. Vol. III. 1890. p. 402. Ill.)
- Bailey, L. H.**, Crataegus coccinea L. var. macrantha Dudley. (American Garden. Vol. XI. 1890. p. 513—514. Fig. 1.)
- Béla, Páter**, A gazdasági növénytán veszérfonala. A gazdát érdeklő növények rövid ismertetése. [Leitfaden der landwirtschaftlichen Botanik. Kurze Beschreibung der landwirtschaftlich wichtigen Pflanzen.] 8°. 72 pp. Kaschan 1890. [Ungarisch.] Kr. 80.—
- Cieslar, A.**, Das forstliche Unterrichtswesen auf der allgemeinen forst- und landwirtschaftlichen Ausstellung in Wien 1890. (Land- und forstwirtschaftl. Unterrichts-Zeitung. Jahrg. IV. 1890. Heft 2/3.)
- Dubois, J.**, Nouveau mode de culture appliquée à la vigne et aux arbres fruitiers. Guérison et régénération des vignes phylloxérées et suppression de la taille des arbres fruitiers. 3e édit. 8°. 124 pp. Lyon (Impr. Delaroche & Co.) 1890. Fr. 2.—
- Goff, E. S.**, The virginia creeper. (Garden and Forest. Vol. III. 1890. p. 392—394.)
- Heinemann, F. C.**, Aquarium, Terrarium und Zimmergewächshäuschen, ihre Verwendung, Bepflanzung etc., nebst Verzeichniss der schönsten Wasserpflanzen für Teiche, Bassins, Zimmer-Aquarien etc., sowie der beliebtesten Miniaturpflanzen für Zimmer-Terrarien. 8°. 40 pp. mit Illustr. Leipzig (H. Voigt) 1890. M. 0 50.
- —, Die Cultur der bekanntesten Blumenzwiebeln und Knollengewächse. 3. Aufl. 8°. 88 pp. mit Illustr. Leipzig (H. Voigt) 1890. M. 1.50.
- Josserand, P. N.**, La culture du pommier à cidre et la fabrication du cidre. Nouveau guide sommaire et pratique. 8°. 60 pp. Paris (Vic et Amat.) 1890. Fr. 1.—
- Kolb, Max**, Der Obst- und Gemüsebau in Bayern. (Neubert's Deutsches Garten-Magazin. Jahrg. XLIII. 1890. Heft 10. p. 294.)
- The American locust trees. (The Gardeners' Chronicle. Ser. IV. Vol. VIII. 1890. p. 181—182.)
- The flowering dogwood. (Garden and Forest. Vol. III. 1890. p. 425—426. Fig. 54.)

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