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Inhalt. F. de Thümen: Fungorum Americanorum triginta species novae. — P. G. Strobl: Flora der Nebroden. (Fortsetzung.) — Literatur. — Anzeige. — Einläufe zur Bibliothek und zum Herbar.

Fungorum Americanorum triginta species novae.

Auctore F. de Thümen.

1. *Hydnum Ellisianum* Thüm. nov. spec. —

E Resupinatis. H. sublutescente-albidum, subiculo effuso, tenui, farinaceo, crustato-adnatum, ambitu late obliterato, fere arachnoideo, candido, aculeis densissime confertis, subgranuliformibus, brevibus, laevibus, obtusis, obliquis.

New-Jersey: Newfield in ligno arido decorticato *Cupressi thujoidis* Lin. Hieme 1877. — Leg. J. B. Ellis.

H. stipato Fr. proximum sed valde diversum!

Thuemenia Rehm. nov. gen. Cucurbitaceorum.

Perithecia aggregata, minima, ex matrice nigerrima oriunda, dein elevata, conoideo-subpapillata, apice vix pertusa, nigerrima, corticem, sub qua matrix habitat, in plagis hysteriformibus plerumque verticaliter diffindentia itaque lirellas aterrimas perithecis prominentibus seu elevatis praebentia. Asci clavati, longe stipitati, crassi, inprimis vertice incrassati; sporidia disticha, octo, obtuso-rhomboidea, uni-tri-magninucleata, unicel-

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lulares. Paraphyses paucae, ramosae, articulatae. — Jodo addito apex ascorum non coerulescit.

Juxta ad *Otthiam* Fuck. locum teneatur, quamvis perithecia primitus matrice subimersa videntur. Sporarum forma etc. plane diversa ab vicinis.

2. *Thümenia Wisteriae* Rehm. nov. spec.

Th. characteris generis, ascis 150 mm. long., 16—18 mm. crass.; sporis 18—21 mm. long., 8 mm. crass.

Carolina australis: Aiken in ramulis emortuis *Wisteriae chinensis* De C. 1876. (no. 2270) — Leg. H. W. Ravenel. — Thüm. *Mycoth. univ.* no. 971. —

3. *Gnomonia ulmea* Thüm. —

Xyloma ulmeum Schwz. Syn. fung. Carol. p. 55 no. 288. — *Sphaeria ulmea* Fr. Syst. mycol. II. p. 436.

4. *Diaporthe Raveneliana* Thüm. et Rehm.

D. stromate tenui, subeffuso; peritheciis gregariis, mediis, primo tectis demum epidermide perforantibus cinctisve, orbiculato vel elliptico prominentibus, in stromate nidulantibus, globosis, ostiolis subpapillatis, nucleo sordido-albescente; ascis fusiformibus vel longe ellipticis, tenerrimis, subcurvatis utrinque acutatis, basi angustatis, hyalinis, octisporis, 60 mm. long. 8—9 mm. crass., sporis distichis, plerumque bicellularibus, ad septas non constrictis, cellulis aequalibus, longe ellipsoideis, utrinque obtusis, quadrinucleatis, nucleis parvulis, hyalinis, 12 mm. long., 4 mm. crass.; paraphysibus numerosissimis, brevibus, flexuosis, septatis, apice obtusis, simplicibus, hyalinis.

Carolina australis: Aiken ad *Quercus albae* Lin. ramulos emortuos. 1875. (no. 2272.) — Leg. H. W. Ravenel. — Thüm. *Mycoth. univ.* no. 865.

5. *Cryptosporium acicolum* Thüm. nov. spec. —

C. peritheciis parvulis, gregariis, plus minusve lineari dispositis, tectis, punctiformibus, subglobosis, atris; sporis cylindricis, curvato-lunulatis, utrinque subangustatis, rotundatis, simplicibus, numerosissimis, pallide fusco-griseis, 27 mm. long., 3.5—4 mm. crass.

Carolina australis: Aiken in *Pini variabilis* Lamb. (*P. mitis* Mchx.) foliis aridis. (no. 2072.) — Leg. H. W. Ravenel.

6. *Sphaeropsis Baptisiae* Thüm. nov. spec.

S. peritheciis mediis, semiimmersis, gregariis, erumpentibus, epidermide cinctis, depresso-globosis; sporis ellipsoideis, utrinque

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rotundatis, simplicibus, 4.5—5 mm. long., 2.5—3.5 mm. crass., griseo-ochraceis, pellucidis.

Carolina australis: Aiken in *Baptisiae perfoliatae* R. Br. ramulis emortuis. (no. 2201.) — Leg. H. W. Ravenel.

7. *Sphaeropsis Janiphae* Thüm. nov. sp.

S. peritheciis subcarbonaceis, phomaeformibus, dense gregariis, numerosissimis, oblongis vel elliptico-orbiculatis, subplanis, pro ratione magnis, nigris; sporis ellipsoideis, utrinque obtuso-rotundatis, simplicibus, hyalinis, bi-trinucleatis, nucleis grandis, sterigmatibus brevibus, fasciculatis, hyalinis, filiformibus, 12 mm. long., 4—5 mm. crass.

Carolina australis: Aiken ad *Jatrophae Janiphae* Lin. (*Manihot cartaginensis* Pohl. Jacq.) caules emortuos. (no. 2264.) — Leg. H. W. Ravenel.

8. *Phoma Catesbeyi* Thüm. nov. spec.

Ph. peritheciis minutissimis, eximie dense gregariis, foliorum paginam inferiorem toto occupans, obtegens et conforme fusco tingens, acuto-ellipticis, laevibus, griseo-fuscis; sporis minutissimis, globosis vel subovato-globosis, anucleatis, 1—1.5 mm. diam., hyalinis, sterigmatibus brevissimis, filiformibus, hyalinis. — Adsunt etiam hyphae griseo-fuscae, ramosulae, tenues, inaequales, etiam in speciminibus nonnullis *Corynei* immaturi sporae occurrunt. — Sec. cl. Berkeley in litt. ad me potius alicujus *Asterinae* fungus spermogonicus!

Carolina australis: Aiken in *Quercus Catesbeyi* Mchx. foliis emortuis. (no. 2202.) — Leg. H. W. Ravenel.

9. *Phoma vixvisibile* Thüm. nov. spec.

Ph. peritheciis eximie minutis, hypophyllis, dense gregariis, occultis, subglobosis, vix prominulis, atris; sporis minutis, hyalinis, ellipsoideis, utrinque rotundatis, simplicibus, anucleatis, sterigmatibus minimis, 2.5 mm. long., 1.5 mm. crass.

Carolina australis: Aiken ad folia arida *Quercus stellatae* Wngh. (*Q. obtusilobae* Mchx.) no. 2226. — Leg. H. W. Ravenel.

10. *Phoma dendriticum* Thüm. nov. spec.

Ph. peritheciis epiphyllis, numerosissimis, dense gregariis, maculas magnas, fuscas, plus minusve orbiculatas, saepe confluentes, dendriticas, stramineo marginatas formans, hemisphaericis, prominulis, nitidis, fuscis; sporis cylindraceis, rectis, simplicibus, anucleatis, utrinque subobtusis, hyalinis, 4 mm. long., 1.5 mm. crass.

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Carolina australis: Aiken ad folia viva languidave *Quercus nigrae* Lin. (no. 2224.) — Leg. H. W. Ravenel.

11. *Phoma innumerabile* Thüm. nov. spec.

Ph. peritheciis hypophyllis, numerosissimis, dense gregariis, maculas maximas, saepe confluentes, griseo-fuscas formans, globosis, minutis, immersis, granulosis, fusco-atris; sporis cylindricis, utrinque subrotundatis, pro maxima parte anucleatis, raro uninucleatis, simplicibus, hyalinis, 2—3 mm. long., 1.5 mm. crass.

Carolina australis: Aiken ad *Quercus stellatae* Wngh. (*Q. obtusilobae* Mchx.) folia emortua. (no. 2222.) — Leg. H. W. Ravenel.

12. *Coniothyrium linearе* Thüm. nov. spec.

C. caespitibus linearibus, secundum nervis dispositis, atris, inquinantibus; peritheciis 20—25 mm. diam., globosis, fusco-lutescentibus, episporio laevi, granuloso; sporis ellipsoideis, utrinque rotundatis, sine nucleo, hyalinis, interdum minime acutatis, 6 mm. long., 3—4 mm. crass.

Carolina australis: Aiken in *Gynerii argentei* N. a. E. culmis emortuis, socia *Cladosporii herbari* Lk. — Leg. H. W. Ravenel.

13. *Septoria Solidaginis* Thüm.

S. peritheciis hypophyllis, subgregariis vel solitariis, interdum etiam confluentibus, conico-globosis, prominentibus, elevatis, atris in macula minima, indeterminata, subpallida, in pagina superiore maculas parvas, griseas, late purpureo cinctas formans; sporis fusiformibus, utrinque subacutatis, rectis, numerosis, medio uniseptatis, ad septas non constrictis, binucleatis, hyalinis, 15 mm. long., 4 mm. crass. — *Sphaeria Solidaginis* Schwnz. Syn. fung. Carol. no. 225 sec. Ravenel in schedulis. —

Carolina australis: Aiken ad *Solidaginis puberulae* Nutt. folia viva, socia *Coleosporii Solidaginis* Thüm. — Leg. H. W. Ravenel.

14. *Septoria Ravenelii* Thüm. nov. spec. —

S. peritheciis hypophyllis, magnis, prominulis, aureis, patellaeformibus, irregularibus in macula parva, purpurea; sporis longis, fusiformibus, lunulato-curvatis, utrinque obtusiusculo-acutatis, hyalinis, obscure tri-quadriseptatis, 40—50 mm. long., 4 mm. crass. in cirrhis aureis prominentibus. —

Carolina australis: Aiken in *Cerasi carolinianae* Mchx. foliis languidis (no. 2210.) — Leg. H. W. Ravenel.

15. *Phyllosticta Toxicodendri* Thüm. nov. spec. —

Ph. peritheciis epiphyllis, sparsis vel solitariis, mediis, hemisphaerico-orbiculatis, nigris in macula parva, rubro-fusca, irregularia vel orbiculata, atro-rubra cincta; sporis minutissimis,

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ellipticis, simplicibus, anucleatis, utrinque rotundatis, hyalinis, 1.5 mm. long., 1 mm. crass. —

Carolina australis: Aiken ad *Rhois Toxicodendri* Lin. folia viva languidave. — Leg. H. W. Ravenel. —

16. *Phyllosticta vesicatoria* Thüm. nov. spec. —

Ph. peritheciis epiphyllis, sparsis, globosis, semiimmersis, mediis, atris, ostiolatis in macula magna, exarida, vesiculosa, griseo-fusca, purpureo limitata; sporis minutissimis, ellipsoideo-cylindricis, utrinque rotundatis, rectis, hyalinis, simplicibus, diaphanis, 2.5 mm. long., 1.5 mm. crass.

Carolina australis; Aiken ad folia viva languidave *Quercus cinereae* Mchx. (no. 2195.) — Leg. H. W. Ravenel.

17. *Ceuthospora Cookei* Thüm. nov. spec. —

C. peritheciis obsoletis, amphigenis sed plerumque hypophyllis, pustulas minutissimas, dense gregarias, subprominentes, atras, hemisphaericas formans; sporis cylindraceis, utrinque rotundatis vel vertice minime acutatis, simplicibus, anucleatis, hyalinis, 15 mm., long., 4 mm. crass. — *C. phacidioidi* Grev. proxima sed valde diversa.

Carolina australis: Aiken ad *Cerasi carolinianae* Mchx. folia decidua. (no. 2188.) — Leg. H. W. Ravenel.

18. *Morthiera Thümenii* Cooke nov. spec. in litt. ad me. —

M. peritheciis numerosis, epiphyllis vel interdum etiam amphigenis, applanatis, orbiculatis, rugulosis, saepe confluentibus, atris in macula parva, fusca; sporis illis *Morthierae Mespili* Fuck. similibus sed loculis superioribus 14 mm. long., 9 mm. crass., loculis inferioribus 8 mm. long., ciliis omnibus aequilongis, 9—12 mm. long., hyalinis.

Carolina australis: Aiken ad folia viva *Crataegi glandulosae* Ait. et *Crataegi flavi* Ait. (no. 2042.) — Leg. H. W. Ravenel. — Thümen, *Mycotheca univ.* no. 895. —

19. *Depazea Batatas* Thüm. nov. spec. —

D. maculas dealbatas vel fuscescentes, plus minusve orbiculatas, aridas, dilabentes, dilute fusco marginatas, 2.6 Mm. diam. formans; peritheciis epiphyllis vel etiam amphigenis, sparsis, prominentibus, punctiformibus, plus minusve globosis, atris; sporis minutis, breviter cylindraceis, utrinque obtusis, binucleatis, hyalinis, 6—8 mm. long., 3 mm. crass. — A. *D. perusta* Berk. et Br. etiam in *Batate edule* parasitans satis diversa et distinguenda.

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Carolina australis: Aiken in *Batatas edulis* Chois. foliis vivis. — Leg. H. W. Ravenel. — Thümen, *Mycoth. univ.* no. 598. —

20. *Depazea Rhynchosiae* Thüm. nov. spec. —

D. peritheciis minimis, epiphyllis, sparsis, immersis, globosis, atris in macula brunneo-fusca, obscure marginata, irregularia; sporis minimis, fusiformibus, uniseptatis, utrinque acutatis, hyalinis, 9 mm. long., 3 mm. crass.

Carolina australis: Aiken in foliis vivis *Rhynchosiae reniformis* De C. socia *Dothideae perisporioidis* Berk. et Br. — Leg. H. W. Ravenel. — Thümen, *Mycoth. univ.* no. 596. —

21. *Torula microsora* Thüm. nov. spec. —

T. acervulis dense gregariis, minutissimis, punctiformibus, subconico-globosis, vix prominulis, nigris; sporis plus minusve regulariter globosis, saepe parce compressis, moniliformibus, catenulis subbrevibus, quam plurimum decemsporis, olivaceo-fuscis, 6—8 mm. diam.

Carolina australis: Aiken ad caules emortuos *Amsoniae angustifoliae* Mchx. (no. 2250.) — Leg. H. W. Ravenel.

22. *Torula insularis* Thüm. nov. spec. —

T. caespitibus late effusis, hypophyllis, irregularibus, indeterminatis, laxis, subvirescenti-griseis, pulveraceis, saepe confluentibus vel paginam inferiorem plus minus toto occupans; sporis concatenatis vel etiam raro conglobatis, plus minus globosis, laevibus, anucleatis, dilute brunneis, 3—4 mm. diam.

Carolina australis: Aiken ad *Quercus cinereae* Mchx. folia languida aridave. (no. 2193.) — Leg. H. W. Ravenel. —

23. *Septosporium Lupini* Thüm. nov. spec. —

S. caespitibus amphigenis, magnis, late effusis, indeterminatis, irregularibus, viridi-olivaceis, tenuibus; hyphis brevibus, flexuosis, continuis, subramosis, rectis, tenuibus, inaequalibus, dilute cinereis; sporis fusiformibus, minime curvatis vel rectis, utrinque angustato-subacutatis, sex — septemseptatis, ad septas non constrictis, dilute subflavido-griseis, pellucidis, 60—66 mm. long., 4—5 mm. crass.

Carolina australis: Aiken ad folia viva *Lupini diffusi* Nutt. (no. 2213.) — Leg. H. W. Ravenel.

24. *Sporidesmium capsularum* Thüm. nov. spec. —

S. acervulis minutis, dense gregariis, pauci-elevatis, subconicis, saepe confluentibus, atris; sporis variis: aut subglobosis, quadri-sexseptatis, aut clavatis, octo-duodecimseptatis aut ovato-clavatis, bi-quadriseptatis, magnitudine diversissima, 10—20 mm.

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diam. sine pedicello, partibus sporarum plus minus globosis, fuscis vel obscure fusco-lutescentibus, impellucidis.

Carolina australis: Aiken in *Catalpae bignonioidis* Walt. capsulis siccis socia *Cladosporii herbarii* Lk. (no. 2262.) — Leg. H. W. Ravenel. — Thümen, *Mycoth. univ.* no. 791. —

25. *Cylindrium pallidum* Thüm. nov. spec. —

C. acervulis hypophyllis, sparsis, minutis, pulveraceis, detergibilibus, pallide flavis, laxis; sporis catenulatis, variis, subglobosis, cymbaeformibus vel elliptico-cylindraceis, medio cum nucleo maximo, saepe utrinque acutatis sed etiam saepe obtusis, achrois, 8—10 mm. long., 5—6 mm. crass.; catenulis brevibus, bi-sexsporis.

Carolina australis: Aiken ad folia arida *Quercus stellatae* Wngh. (*Q. obtusilobae* Mchx.) no. (1928.) — Leg. H. W. Ravenel.

26. *Trimmatostroma americana* Thüm. nov. spec. —

T. acervulis gregariis, concavis, mediis, tandum confluentibus, orbiculatis, atris, inquinantibus; sporis minusve curvulatis vel subrectis, basi angustatis, vertice rotundatis, tri-septemseptatis, ad septas subconstrictis, brunneis, cellulis terminalibus pallidioribus, 20—25 mm. long., 4—5 mm. crass. — Differt a *T. Salicis* Cda. sporis ad septas constrictis, minoribus et cellulis terminalibus pallide coloratis.

New-York: Albany ad *Salicis discoloris* Mühlbg. ramulos aridos. — Leg. Ch. H. Peck. — Thümen, *Mycoth. univ.* no. 793.

27. *Fusidium Ravenelianum* Thüm. nov. spec. —

F. caespitibus hypophyllis, sparsis vel solitariis, mediis vel minutis, pulveraceis, detergibilibus, determinatis, albidis, sine macula sed in pagina superiore maculas minimas, rubro fuscas formans; sporis fusiformibus, rectis vel subcurvulatis, utrinque subobtuso-acutatis, medio plerumque uniseptatis, ad septas non constrictis, hyalinis, 20—24 mm. long., 3.5—4.5 mm. crass.; sterigmatibus brevissimis, hyalinis, filiformibus.

Carolina australis: Aiken ad *Desmodii lineati* De C. folia viva. (no. 2205.) — Leg. H. W. Ravenel.

28. *Fusisporium azedarachinum* Thüm. nov. spec. —

F. acervulis verrucaeformibus, elevatis, orbiculatis, saepe confluentibus, magnis, carneis; hyphis tenuibus, romosis, densis, interdum septatis, hyalinis; sporidiis fusiformibus, curvatis vel curvulatis, utrinque acutatis, biseptatis, hyalinis, 18—20 mm. long., 4 mm. crass.

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Carolina australis: Aiken in *Meliae Azedarachis* Lin. fructibus maturis. — Leg. H. W. Ravenel. — Thümen, Herb. myc. oec: no. 478. —

29. *Cladosporium personatum* Berk. et Curt.

var. nov. *Cassiae* Thüm.

C. hyphis tenuissimis, articulatis, longis; sporis oblongis, uniseptatis, dilute fuscis. — Conf. Grevillea III. p. 106. no. 647.

Carolina australis: Aiken in *Cassiae occidentalis* Lin. foliis vivis. Leg. H. W. Ravenel.

30. *Sclerotium Desmodii* Thüm. nov. spec. —

S. hypophyllum vel caulincolum petiolicolumque, crustas diversas aut nervisequas, lineares aut punctiformes aut majores, confluentes, suborbiculatas, opacas, paucas, paucielevatas, subrugulosas, nigras formans, intus homogenes.

Carolina australis: Aiken ad folia viva *Desmodii rotundifolii* Lin. — Leg. H. W. Ravenel. —

Flora der Nebroden.

Von

Prof. P. Gabriel Strobl.

(Fortsetzung.)

Vertheilung der Pflanzen nach den Terrainverhältnissen.

(Vegetationsformen.)

Für die Vertheilung der Gewächse sind die Lokalverhältnisse von ausserordentlicher Wichtigkeit, ja meist von viel grösserer Wichtigkeit, als die rein geognostischen, welche in dieser Region ohnehin wenig in Betracht kommen, da das Erdreich grösstentheils ein gemischtes oder aus Sandsteinkrume gebildet ist. Wir unterscheiden in dieser Beziehung folgende Formen der ursprünglichen oder doch durch Verwilderung einheimisch gewordenen Flora. 1. Die Vegetationsform des sandigen Meerstrandes. 2. Die der Felsen. 3. Die der steinigen, felsigen Triften. 4. Die der wüsten Wegränder, Mauern und Raine. 5. Die des besten Erdreiches (Wiesen und Weiden). 6. Die der sonnigen Hügel und Bergabhänge. 7. Die der Bachränder. 8. Die der Sümpfe. 9. Die der Teiche und Seeen. Ihnen gegenüber stellen wir die vom Menschen künstlich er-

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