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Inhalt: Rehm, Beiträge zur Ascomyceten-Flora der deutschen Alpen und Voralpen. (Fortsetzung und Schluss.) — Oudemans, Sordariae novae. — Repertorium: Gottsche, Neuere Untersuchungen über die Jungermanniae Geocalyceae. — Bresadola, Fungi Tridentini II. — Jatta, Lichenes Ital. merid. IV.

Beiträge zur Ascomyceten-Flora der deutschen Alpen und Voralpen.

(Fortsetzung und Schluss.)

21. *Mollisia subconica* Rehm nov. spec.

Perithecia gregaria, orbicularia, lata basi sessilia, nigra, sicca collapsa et extus subrugulosa, humida subconica, ore albidulo poriformi subdilacerato, disco et perithecio fuscidulo, parenchymatice fusce contexta, c. 0,2 mm diam. Asci (inevoluti) clavati, 8 spori, 36/6. Sporidia elliptica, recta, 1 cellularia, hyalina, disticha, 7/2. Paraphyses filiformes, hyalinae, haud clavatae. Jod —.

Ad culmos siccos Junci Hostii. Taschach-Gletscher in valle Piz alpium Tyrolens., alt. c. 6000'. Dr. Rehm.

22. *Mollisia Uredo* Rehm nov. spec.

Perithecia gregaria in acervulis Uredinis instar, patellaeformia, submarginata vel concava in statu sicco, humida convexula, immarginata, sicca rufofusca vel fuscidula, disco parum dilutiore, humida flavofuscidula, sessilia, c. 0,3 mikr. diam., parenchymatice fuscidule contexta. Asci clavati, apice incrassati et obtuse acuminati, 8 spori, — 60/8. Sporidia haud plane evoluta visa, fusoides-elongata, 1 (?) cellularia, nucleis 3 praedita, parallela, hyalina, — 18/1,5. Paraphyses ascos superantes, subramosae, subincurvatae, apice non incrassatae. Jod —.

Ad paginam inf. foliorum putridorum Vaccinii uliginosi. Taschach-Gletscher in valle Piz alpium Tyrolensium, alt. c. 5800'. Dr. Rehm.

Die nicht vollkommen entwickelten Sporen lassen die Zuthellung zu *Mollisia* fraglich erscheinen.

23. *Mollisia rubidula* Rehm nov. spec.

Perithecia minuta, sessilia, plerumque oblonga, rarius rotundata, fusca vel fusconigricantia, humida explanata,

dilacerato-marginata, margine fusca, disco rubidulo, c. 0,2 mm diam., gregaria parenchymatice, fuscidule contexta. Asci clavati, subcurvati, 8 spori, 70/10. Sporidia obtuse-elliptica, 1 cellularia, hyalina, disticha, —14/6. Paraphyses filiformes, subcurvatae, apice haud incrassatae. Jod —.

Ad caulem siccam Campanulae? Mittagkogel prope Mittelberg in valle Piz alpium Tyrolens. alt. c. 6000'.

Dr. Rehm.

24. *Mollisia rhododendricola* Rehm nov. spec.

Perithecia gregaria, erumpentia, demum sessilia, plana, ceracea, sicca subcomplicata vel plana, humida explanata, fuscorubra, margine spurio vix dilutiore, extus fuscidula, parenchymatice, fusce contexta, c. 1 mm diam. Asci clavati, subcurvati, 8 spori, 90/12. Sporidia elliptica, nucleis magnis 2 praedita, an demum 2 cellularia? hyalina, disticha, —18/6. Paraphyses filiformes, superne sensim 3 mikr. crassae et flavidulae. Jodii ope apex ascorum coerulescit.

Ad ramum siccum Rhodod. ferrug. prope Kühtai (Oetz) alpium Tyrolensium, alt. c. 6200'.

Dr. Rehm.

25. *Pseudopeziza Vaccinii* Rehm nov. spec.

Perithecia gregaria, sessilia, c. 0,2 mm diam., sicca plana, opaca, atra, irregularia, humida plana vel subconvexa, orbicularia, vix marginata, pallidula, basi parenchymatice fusce contexta. Asci crassi, clavati, 8 spori, 45/12. Sporidia elongata, obtusa, 2—4 cellularia, hyalina, recta, disticha, 15/3,5. Paraphyses filiformes, apice clava mucosa, —5 mikr. crassa, fuscidula instructae et conglomeratae. Jodii ope apex ascorum coerulescit.

Ad paginam inf. foliorum putridorum Vaccinii uliginosi. Taschach - Gletscher in valle Piz alpium Tyrolens. alt. c. 5800'.

Dr. Rehm.

26. *Micropeziza fuscidula* Rehm nov. spec.

Perithecia gregaria, sessilia, sicca plerumque longitudinaliter complicata, fusconigra, humida explanata, orbicularia, disco rubro-fusco, margine sublacerato, obscuriore, tenui cincta, prosenchymatice(?) contexta, c. 0,4 mm diam. Asci clavati, 8 spori, —50/9. Sporidia oblonga, obtusa, subcurvata, hyalina, interdum mucore involuta, 1 cellularia, disticha, 9/3. Paraphyses filiformes, clava pyriformi, 4—5 mikr. crassa, plerumque fuscidula instructae. Jod —.

Ad ramulos siccos, decorticatos Rhodod. ferrug. prope Kühtai (Oetz) alpium Tyrolensium, alt. c. 6500'.

Dr. Rehm.

27. *Durella melanochlora* (Sommf. sub *Peziza*).

syn. *Patellaria* — Karsten myc. fenn. I p. 233. *Peziza* ovulispora Karsten mon. pez., *P. subcrenulata* Nyl. pez. fenn. p. 64.

var. *glacialis* Rehm.

Perithecia minima, solitaria vel gregaria, nigra, margine fere integro, vix perspicuo cincta, fusca parenchymatice contexta. Asci clavati, 8 spori, 36/9. Sporidia oblonga, 1—4 cellularia, hyalina, disticha, —12/3. Paraphyses filiformes, clava viridula, —5 mikr. crassa instructae. Jod —.

Ad ramulos siccos *Rhodod. ferrug.* in alpinis Tyrolensibus prope Kühtai (Oetz) c. 6200' et juxta Taschach-Gletscher in valle Piz, c. 6000' alt.

Dr. Rehm.

28. *Pezicula Pumilionis* Rehm nov. spec.

Perithecia sessilia, plana, rotunda, dein irregulariter explanata, livido-cinerea, margine haud distincto pallidiore, minutissima, perparum conspicua, gregaria, prosenchymatice, flavide contexta. Asci clavati, superne subacuminati, 8 spori, 60/12. Sporidia vermicularia, fuscoidea-filiformia, 4—6 cellularia, curvata, hyalina, parallela, 36/2,5. Paraphyses filiformes. Jod —.

Ad conos putrescentes *Pini Pumilionis*. Haspelmoos prope Augusta Vindelicorum.

Britzelmayr.

29. *Karschia Sabinae* Rehm nov. spec.

Perithecia sessilia, sparsa, atra, orbicularia, primitus clausa, dein aperta, margine crasso, irregulari cincta, c. 0,5 mm diam., parenchymatice, fusce contexta. Asci clavati, crassi (vel pyriformes) 4 spori 90/27. Sporidia elliptica, obtusa, bicellularia, quaque cellula nucleo 1 magno praedita, saepe fere biscocitiformia, primitus hyalina, dein fusco, 1—2 sticha, —36/14. Paraphyses crassae in massam gelatinosam flavescentem coalitae. Jod —.

Ad ramum siccum *Juniperi Sabinae* prope Längenfeld in valle Oetz alpinum Tyrol.

Dr. Rehm.

30. *Coryne collemoides* Rehm nov. spec.

Perithecia gregaria, primitus ut in *C. sarcoides* formata, collematoidea, fuscidula, gelatinosa, primitus urceolata, dein patellaria, stipitata, alt. c. 5 mm, disci diam. 3—4 mikr., sicca complicata, intus flavescentia, parenchymatice, viridifusce contexta. Asci clavati, 8 spori, 30/5. Sporidia elliptica, recta vel subcurvata, 1 cellularia, hyalina, disticha, 5/1,5. Paraphyses filiformes, tenerae. Jod —.

Ad ramum decorticatum *Aceris platan.* in monte Hochgrad alpinum Allgoviae.

Britzelmayr.

31. *Odontotrema majusculum* Rehm nov. spec.

Perithecia primitus globosa, supremo ligni strato immersa, dein emergentia et fibris ligni undique sparsis inquinata, usque ad 1 mm diam., fuscoatra, parenchymatice contexta, umbilicata, dein urceolata, disco plusminusve conspicuo, dilute fusco. Asci clavati, 8 spori, 60/8. Sporidia obtusa,

oblonga, plerumque subcurvata, 2—4 cellularia, hyalina, disticha, —14/3. Paraphyses filiformes. Epi- et Hypothecium viridulofuscum. Jodii ope hymenium coerulescit.

Ad lignum pineum in valle Griesberg alpium Tyrolensium. Dr. Arnold.

32. *Rhytisma juncicolum* Rehm nov. spec.

Stroma nigrum, oblongum vel subrotundum, c. 0,5 mm diam., 0,3 mm crass., intus albidum, rimis dehiscens, sessile. Asci clavati, apice obtuse subacuminati, 8 spori, 90/10. Sporidia filiformia, acutata, multicellularia, hyalina, saepe una apice ut in *Lophodermio capitulata*, parallela, 60/1,5. Paraphyses filiformes, apice subincrassati et hamulati. Jod —.

Ad culmos siccos Junci Hostii prope Kühtai (Oetz), alpium Tyrolens., alt. c. 6200'. Dr. Rehm.

33. *Propolis Rhododendri* Rehm nov. spec.

Perithecia gregaria, primitus globosa, subclausa, sub peridermide nidulantia eamque sensim elevantia et plerumque in quatuor aequales lacinias centro dirumpentia, sicca atra, corrugata, humida plusminusve orbicularia, margine subnigro cincta, disco plano fuscidulo, c. 1 mm diam., senilia elapsa et foveolam fusconigram, laciniis haud cinctam relinquentia. Asci clavati, teneri, 8 spori, 100/9. Sporidia elliptica, obtusa, interdum subcurvata, 1 cellularia, hyalina, 12—15/5, 1 sticha. Paraphyses filiformes, hyalinae, non clavatae. Perithecium parenchymaticum, fuscum, extus nigrescens, hypothecium fuscidulum. Jod —.

Ad ramos siccos Rhodod. ferrug. supra St. Gertraud prope Gulden juxta montem Ortler alpium Tyrolens. alt. c. 5900'. Dr. Arnold.

34. *Naevia Junci* Rehm nov. spec.

Perithecia minutissima, concavula, immarginata, sessilia vel epidermidi impressa, fuscidule, parenchymatice contexta, carneorufa, sparsa. Asci clavati, teneri, 8 spori, —45/8. Sporidia oblonga, obtusa, 1 cellularia, magnis nucleis 2 praedita, hyalina, plerumque 2 sticha, —8/3. Paraphyses filiformes, superne —4 mikr. crassae. Jodii ope apex ascorum coerulescit.

Ad culmos siccos Junci Hostii prope Kühtai (Oetz) alpium Tyrolens., alt. c. 6000'. Dr. Rehm.

35. *Schmitzomia Cladoniae* Rehm nov. spec.

Perithecia solitaria, sparsa, primitus cortici immersa, dein per eam dilaceratam prorumpentia, primitus clausa, dein corticem superantia, fere sessilia, urceolata, margine crasso involuta, disco pallidulo subconspicuo, fuscoatra, rugulosa, parenchymatice fusce contexta, —0,5 mm diam. Asci clavati, lata basi sessiles, apice incrassati 8 spori —50/8.

Sporidia filiformia, recta vel subcurvata, nucleata, 1 cellularia, parallela, 36/—2. Paraphyses tenerae, filiformes, superne incrassatae. Jodii ope apex ascorum coerulescit.

Ad Podetia Cladoniae prope Taschach-Gletscher in valle Piz alpium Tyrolensium, c. 6000'. Dr. Rehm.

36. *Coccomyces Rhododendri* Rehm nov. spec.

Perithecia carbonacea, gregaria, rotundata vel plerumque oblonga, longitudinaliter seriata, super epidermidem dilaceratam emergentia, denique fere sessilia, atra, fragilia, sicca corrugata, in perfecto statu superne irregulariter dilacerata, senilia foveolam oblongam, dealbatam vel cineream relinquentia, —1 mm diam. Asci clavati, superne truncato-acuminati, 8 spori, 115/15. Sporidia filiformia, vix curvata, subtilissime nucleata, utrinque acuminata, 1 cellularia, —60/2. Paraphyses filiformes, apice hamulatae. Hypothecium fuscidulum. Jod —.

Ad ramulos siccos Rhodod. ferrug. alpium Tyrolens. prope Taschach-Gletscher in valle Piz c. 6500' alt. leg. Dr. Rehm, in monte Peischlkopf, c. 1800 m. alt. Britzelmayr. (? ibidem ad ramulos Vaccinii Myrtilli).

II. Pyrenomycetes.

37. *Diatrypella placenta* Rehm nov. spec.

Stromata minuta, parum exstantia, diam. 1—2 mm, plerumque orbicularia, placentiformia, plana vel vix convexula, fusca, intus alba, peridermii fissi laciniis 4 plerumque erectis triangularibusque nonnihil superata. Perithecia in singulo stromate 5—15, monosticha, minuta, conferta, ostiolis minutissimis nigris vel exsertis; ostiola senilia in foveolis irregularibus immersa. Asci subfusiformes, longe pedicellati, pars sporifera c. 45/9; sporidia c. 32 in superiore asci parte, hyalina, cylindrica, obtusa, subcurvata, 5—6/1,5. Paraphyses longae, —6 mikr. crassae, articulatae.

Ad ramum siccum Alni viridis prope Kühtai (Oetz) alpium Tyrolensium, alt. c. 6200'. Dr. Rehm.

Proxima videtur *D. decorata* Nke pyren. I p. 79, sed notis supra allatis diversa.

38. *Valsa (Leucostoma) diatrypoides* Rehm nov. spec.

Stromata c. 2 mm diam., e basi orbiculari convexe protuberantia et in discum coronae instar protracta; discus planus, rotundus, fuscoalbidus, —1 mm lat. Perithecia in singulo conceptaculo 4—10, monosticha, globosa. Ostiola minutissima, punctiformia, rotunda, atra, discum nonnihil superantia et in orbiculariter ordinata. Asci teneri, clavati, 8 spori, 40/6. Sporidia cylindrica, obtusa, subcurvata, hyalina, —9/1,5, disticha.

Ad ramum siccum Alni incana juxtae ripam fluvii prope Augustam Vindelicorum. Britzelmayr.

Forma stromatis et sporidiorum diam. a ceteris diversa species.

39. *Valsa (Circinnata) conoidea* Rehm nov. spec.

Stroma corticis parenchymati immutato, plusminusve elevato innatum, saepe longe effusum ramosque ambiens et corticis superficiem vario modo, plerumque longitudinaliter diffundens. Perithecia corticis strato supremo immersa, mediocria, monosticha, globosa, nunc solitaria nunc gregaria vel seriata, collo brevi, ostiolo magno, conoideo, truncato, perspicue perforato peridermium seriatim perforantia et verrucis nigris instar prominula, saepe etiam in crustam ellipticam, nigram connata. Asci clavati, 8 spori, 70/15. Sporidia recta vel subcurvata, cylindrica, obtusa, hyalina, —20/5. Paraphyses crassae, articulatae.

Ad ramos siccos Berberidis in alpibus Tyrolensibus prope Bärenbad in valle Stubai, in valle Oetz et prope Gries in valle Sellrain. Dr. Rehm.

V. Cypri et germanicae affinis videtur.

40. *Cryptospora anthostomoides* Rehm nov. spec.

Perithecia in ligni superficie late nigrata ligno plane immersa, globosa-compressa, 1 mm diam., sola vertice conica ligni superficiem superantia et in crustam nigram 1—2 mm long. hic illic conjuncta, ostiolo poroque haud perspicuo. Asci longissimi, clavati, teneri, 8 spori. Sporidia filiformia, recta, multi-septata et in singulas cellulas facillime abeuntia, hyalina, —150/3,5. Paraphyses filiformes, tenerrimae.

Ad ramulum siccum Ligustri vulg. in sylva Siebentisch prope Augustam Vindelicorum. Britzelmayr.

41. *Aglaospora effusa* Rehm nov. spec.

Stromata linea nigra circumdata, ceterum ab corticis interioris parenchymate vix diversa, eique immersa. Perithecia solitaria vel 2—3 consociata, globosa, 1 mm diam., monosticha vel irregulariter 2 sticha, in collum breviusculum elongata et peridermidem conice elevatam subtusque albidam, extus rubellam, ceterum non dilaceratam ostiolo perpusillo vix superantia. Asci elliptici, apice incrassati, 4 spori, c. 200 lg. Sporidia Aglaosporae, hyalina, dein fusca, 4 cellularia, nucleo magno quaque cellula praedita, cellulis mediis duplo minoribus quam finales, 1—2 sticha, —57/12. Paraphyses filiformes. Jod —.

Ad ramum siccum Alni viridis in valle Oetz Tyrolensi inter Umhausen et Längenfeld. Dr. Rehm.

42. *Nectria fuscidula* Rehm nov. spec.

Perithecia minima, gregaria, in epidermide sessilia, subglobosa, vertice applanata, subfusca, senescentia nigrofusca, medio vertice subimpressa pallidioraque, parenchymatice flavide contexta. Asci clavati, tenerrimi, 8 spori, 60/9. Sporidia obtusa, cylindrica, medio subconstricta, 2 cellularia, hyalina, disticha, —14/5. Paraphyses? Jod —.

Ad caules putrescentes *Aconiti Napelli* juxta glaciem aeternam Taschach-Gletscher in valle Piz alpium Tyrolensium, c. 6200' alt.

Dr. Rehm.

43. *Nectria carneo-rosea* Rehm nov. spec.

Perithecia in superficie *Tuberculariae roseae*, primitus sub epidermide sessilis, dein emergentis, striaeforme convexae insidentia, gregaria, dein, *Tubercularia evanida*, usque ad 0,25 mm diam. evoluta, rotundata, medio subpatellariformiter collabentia et impressa, carneo-rosea, parenchymatice flavide contexta. Asci clavati, apice incrassati, tenerrimi, 8 spori, 66/8. Sporidia elliptica, 2 cellularia, —2 sticha, hyalina, —12/3,5. Paraphyses? Jod —.

Ad caules putridas *Aconiti Lycoctoni* et *Cirsii spinosissimi* in alpibus Tyrolensibus prope Taschach - Gletscher in valle Piz, alt. c. 6000' et prope Alpein - Gletscher in valle Stubai, c. 7200' alt.

Dr. Rehm.

In statu evoluto *Secoligae apotheciis similis*!

44. *Otthia rhododendrophila* Rehm nov. spec.

Perithecia ovoidea, atra, mediocria, nitida, collo minimo, ostiolo perspicuo pertusa, 2—8 congregata in cortice interiore et per rimas epidermidis erumpentia. Asci cylindracei, 8 spori. Sporidia globosa, dein biscocitiformia, denique subelliptica, 1—2, demum 4 cellularia, fuscidula, 1 sticha, 10/6. Paraphyses filiformes. Jod —.

Ad ramum siccum *Rhodod. ferrug.* prope Kühtai (Oetz) in alpibus Tyrolensibus. c. 6500' alt.

Dr. Rehm.

45. *Melanomma (Zignoella) viridis* Rehm nov. spec.

Perithecia in superficie ligni cariosi dealbati sessilia, hemiglobosa, dimidiata, c. 0,3 mm diam., viridi-nigra, vertice plus minusve impressa, denique fere patellaeformia, ostiolata, viridule-parenchymatice contexta, ligno juxta posito aeruginose tincto. Asci cylindracei, crassi, —8 spori, 90/10. Sporidia elliptica, ad septa haud constricta, 4—6 cellularia, hyalina, 1—1½ sticha, 17/7. Paraphyses filiformes, tenerimae. Jodii ope Hymenium coerulefcit, dein flavescit.

Ad ramulos putridos pendulos *Rhodod. ferrug.* prope Kühtai (Oetz) alpium Tyrolensium c. 6500' alt.

Dr. Rehm.

46. *Melanomma phaeum* Rehm nov. spec.

Perithecia fuscoatra, inter fibras ligni immersa, dein sessilia, — 0,8 mm diam., globosa, sed plerumque patellari-formiter impressa, umbilicato-papillata, papilla ipsa purpurea, demum nigrescente, crassa, apice pertusa. Asci cylindracei, 8 spori, 105/8. Sporidia oblonga, obtusa, 4—6 cellularia, haud nucleata, ad septa vix constricta, flavida, 1 sticha, — 18/6. Paraphyses filiformes.

Ad ramum decorticatum Alni viridis prope Kühtai (Oetz) alpium Tyrolensium c. 6200'. Dr. Rehm.

Propter papillam purpuream affinis *M. porphyrostoma* Kze., cfr. Fuckel, symb. myc. Nachtrag I.

47. *Teichospora vaga* Rehm nov. spec.

Perithecia minutissima, conica, vix papillata, poro pertusa, solitaria, sessilia in ligni dealbati superficie, atra, parenchymatice, fusce contexta, hyphis crebris, subramosis, septatis, fuscis, c. 4 mikr. diam. affixa. Asci pyriformes, crassi, 8 spori 50/24. Sporidia ovato-elliptica, primitus 2—, dein 4—6 cellularia, una alterave cellula longitudinaliter septata, cinereo-viridula, disticha, — 20/9. Paraphyses? Jod —.

Ad ramulos decorticatos Rhodod. ferrug. in alpibus Tyrolensibus prope Kühtai (Oetz), alt. c. 6500' lg. Dr. Rehm, in monte Peischlkopf (Arlberg), c. 1800 m. alt.

Britzelmayr.

48. *Melanopsamma suecicum* Rehm nov. spec.

Perithecia solitaria aut gregaria, hemisphärica, dimidiata, vix papillata, poro pertusa, 0,5 mm diam., subscabra, atra, sessilia in ligni cariosi superficie. Asci pyriformes, crassi, 8 spori, 90/21. Sporidia ut in Delitschia, 2 cellularia, cellula superiore fere duplo angustiore, utraque nucleo 1 magno praedita, fusca, mucore gelatinoso lato obducta, 2 sticha, 25/8. Paraphyses ramosae. Jod —.

Ad ramum fagineum putridum prope Krumbad Sueviae bavar.

Britzelmayr.

49. *Melanopsamma salicinum* Rehm nov. spec.

Perithecia carbonacea, hemisphärica, vix distincte papillata poroque pertusa, magnitudine seminis sinapeos, solitaria, hicillic 2—3 confluentia, in ligno longe lateque denigrato sessilia. Asci cylindraceo-clavati, crassi, 8 spori, —120/15. Sporidia biscocitiformia, acutata, medio distincte constricta, 2 cellularia, quaque cellula plerumque nucleo 1— rarius pluribus praedita, hyalina, dein fusca, 20/6, disticha. Paraphyses ramosae. Jod —.

Ad truncum Salicis retusae. Waldrast in alpibus Tyrolensibus.

Dr. Arnold.

50. *Didymella glacialis* Rehm nov. spec.

Perithecia minuta, globosa, atra, parenchymate foliorum denigrato immersa ejusque superficiem papilla conoidea atra vix superantia, gregaria. Asci clavati, 8 spori, —50/9. Sporidia elliptica, subacutata, inaequilateralia, 2 cellularia, utraque cellula magno nucleo 1 instructa, hyalina, disticha, —12/3. Paraphyses filiformes. Jod —.

Ad folia graminea sicca prope Taschach-Gletscher in valle Piz alpium Tyrolensium, alt. c. 6200'. Dr. Rehm.

51. *Pleospora laricina* Rehm nov. spec.

Perithecia hemisphaerica, atra, sparsa, primitus cortici innata, dein sessilia, dimidiata, poro vix perspicuo pertusa. Asci clavati, crassi, 4—8 spori, 150/12. Sporidia biscotti-formia, obtusa, 2 blasta, dein utraque parte transverse 1—denique 3 septata, longitudinaliter 2—3 septata, hyalina, demum flava. 1—2 sticha, 30/16. Paraphyses ramosae, crassae. Jodii ope episporium coerulescit.

Ad ramum Laricis europ. prope Gries in valle Sellrain alpium Tyrolensium. Dr. Rehm.

52. *Leptosphaeria saprophila* Rehm nov. spec.

Perithecia parvula, gregaria, globosa, apice subumbilicata, sessilia, atra, basi hyphis fuscis, ramosis circumdata. Asci subfusiformes, 8 spori, crassi, 75/15. Sporidia elliptica, medio subconstricta, 2 plerumque 4 cellularia, hyalina, disticha, 24/6. Paraphyses ascos superantes, ramosae? Jod —.

Ad baccas putrescentes Juniperi nanae prope Kühtai (Oetz) alpium Tyrolensium, c. 6200' alt. Dr. Rehm.

53. *Trichosphaeria byssophila* Rehm nov. spec.

Perithecia minutissima, solitaria, oculo nudo vix perspicua, atra, globosa, subfusce parenchymatice contexta, apice setis rigidis, brevibus, simplicibus, acutis, septatis, fuscis, c. 3,5 mikr. crassis obsessa, in hyphis fuscis Tapesiae insidentia. Asci elliptici, apice incrassati, 8 spori, 60/9. Sporidia cylindrica, utrimque acutata, subcurvata, 6 cellularia, hyalina, 3 sticha, —24/4. Paraphyses ramosae. In thallo Tapesiae prunicolae ad Alnum viridem prope Rietzlern alpium Allgoviae bav. Britzelmayr.

54. *Trichosphaeria erysiphoides* Rehm nov. spec.

Perithecia minima, nudo oculo vix conspicua, sessilia, globosa, basi hyphis fuscis, teneris, crebris circumdata et pilis brevibus, acutatis, septatis, simplicibus, fuscis obsessa, parenchymatica, atra. Asci ovals, apice paullulum incrassati, 4—6 spori, 45/10. Sporidia parallela, lineari-fusiformia, recta vel subcurvata, nucleis parvulis praedita, 1 (?) cellularia, hyalina, —40/4. Paraphyses paucae, filiformes.

Ad caules siccas Vaccinii uliginosi prope Kühtai (Oetz) alpium Tyrolensium, alt. c. 6500'. Dr. Rehm.

55. *Leptospora helminthospora* Rehm nov. spec.

Perithecia globosa, apice in papillulam protracta, atra, pilis longis, rigidis, simplicibus, septatis, acutis, fuscis, sparse obsessa, sessilia, mediocria. Asci cylindraceo-clavati, apice incrassati, 8 spori, 120/7. Sporidia filiformia, vermiculariter tersa, ascorum longitudine, c. 1,5 diam., hyalina, pluri-septata. Paraphyses apice ramosae.

Ad telam putrescentem. Augusta Vindelicorum.

Britzelmayr.

56. *Microthyrium baccarum* Rehm nov. spec.

Perithecia scutiformia, prosenchymatice contexta, nigra, minima, inter hyphas longissimas, simplices, fuscas, c. 3 mikr. crassas sessilia. Asci ovato-oblongi, apice incrassati, 8 spori, 30/6. Sporidia bacillaria, obtusa, 1-cellularia, hyalina, 6/2, disticha. Paraphyses?

Ad baccas putridas Juniperi nanae prope Kühtai (Oetz) alpium Tyrolensium, c. 6500' alt.

Dr. Rehm.

57. *Apiospora Urticae* Rehm nov. spec.

Perithecia gregaria, sub peridermide caulium nidulantia, dein libera, subglobosa, sessilia, in collum breviusculum protracta eoque periidermidem perforante, nigra, c. 0,4 mm diam. Asci cylindraceo-clavati, teneri, 8 spori, 90/12. Sporidia dacryoidea, nempe cellula superiore subrotunda, $\frac{3}{4}$ long. totius sporidii, inferiore subrotunda $\frac{1}{4}$; utraque cellula nucleis 2 parvulis praedita, hyalina, $1\frac{1}{2}$ sticha, 18/10. Paraphyses articolatae, ramosae.

Ad caules siccas Urticae. Hausstattalpe in monte Benedictenwand alpium Bavariae.

Dr. Arnold.

58. *Sphärulina inquinans* Rehm nov. spec.

Perithecia minutissima, globoso-conica, atra, gregarie in massam atram consociata, sessilia. Asci pyriformes, apice valde incrassati, 8 spori, 45/10. Sporidia oblonge-ovata, hyalina, 4 cellularia, 3 sticha, —14/5. Paraphyses desunt.

Ad glumas Junci Hostii sicci prope Kühtai (Oetz) alpium Tyrolensium, alt. c. 6250'.

Dr. Rehm.

59. *Sphärulina callista* Rehm nov. spec.

Perithecia minima, globosa vel subconica, sessilia, atra, sparsa. Asci ovaes, 8 spori, 150/50. Sporidia elliptica, plerumque 6 (singula 7) cellularia, tertia cellula ceteris latiore, mucore gelatinoso crasso circumdata, hyalina, —50/18. Paraphyses desunt.

Ad caulem siccam Alsines? Prope Taschach-Gletscher in valle Piz alpium Tyrolensium, alt. c. 7000'. Dr. Rehm.

60. *Sphärulina baccarum* Rehm nov. spec.

Perithecia minutissima, globosa, atra, sessilia et basi hyphis teneris, fuscis, c. 3 mikr. crassis circumdata. Asci pyriformes, dein elongati, basi ampliati, 8 spori, 45—75/24.

Sporidia cylindrica, obtusa, 4—6 cellularia, quaque cellula primitus nucleo 1 magno instructa, recta, hyalina disticha, 24/8. Paraphyses desunt.

Ad baccas putridas Juniperi nanae prope Kühtai (Oetz) alpium Tyrolensium, alt. c. 6500'. Dr. Rehm.

61. *Phomatospora Saccardoi* Rehm nov. spec.

Perithecia conica, seriatim sub peridermide nidulantia, dein apice conice elongato protuberantia, atra, minutissima. Asci cylindricei, tenerrimi, 8 spori, 60/5. Sporidia obtuse cylindrica, 1 cellularia, 2 nucleis praedita, hyalina, 1 sticha, —7/3. Paraphyses desunt.

Ad caulem putrescentem Cirsii spinosiss. prope Alpeiner Gletscher in valle Stubai alpium Tyrolensium, alt. c. 7000'.

Dr. Rehm.

62. *Chätomium Polypori* Rehm nov. spec.

Perithecia sparsa, minima, globosa, atra, scabra, sessilia, setis simplicibus, brevissimis, acutis, fuscis, c. 2 mikr. crassis obsessa. Asci cylindricei, 8 spori, 45/5. Sporidia subrotunda vel rotunda, fuscidula, 1 cellularia, fuscidula, 5 mikr. diam., 1 sticha. Paraphyses filiformes, tenerae.

Ad Lenzitem sepiariam prope Augustam Vindelicorum.

Britzelmayr.

Sordariae novae.

Auctore C. A. J. A. Oudemans.

Sordaria Winterii mihi. Perithecia sparsa, usque ad collum immersa, subglobosa, fusco-nigra, translucientia, glabra, absque collo glabro, recto, conico-obtuso, 150 μ longo, 425 μ in diametro metientia. Asci 8-spori, perfecte cylindricei, breviter pedunculati, apice truncati, membrana duplici apice incrassata et resupinata, 150 μ longi, 9—10 μ crassi, paraphysibus nullis. Sporae monostichae, primitus ellipticae, denique elliptico-oblongae vel oblongae, brevi ante maturitatem 23—25 μ long., 15—20 μ latae, post ascorum destructionem, itaque prorsus maturae 21—22 μ longae, 10—11 μ latae, nigrae, lucidae, vacuolo centrali, neque appendiculatae, neque zona mucilaginis circumdatae. — In fimo Cameli Bactriani. — Accedit ad *S. humanam*, sed differt sporarum forma, paraphysarum absentia, peritheciolorum dimensione et collo.

Sordaria Hansenii mihi. Perithecia sparsa, in fimo cuniculorum siccato inter straminis fibrillas collo tantum prominentia, subglobosa, 350 μ in diametrum metientia, in collum breve-conicum, 23 μ longum, setoso-hirtum desinentia, glabra, fusco-nigra, subtranslucentia. Asci lanceolati, 150 μ longi, 12 μ lati, antrorsum breviter, deorsum longius contracti, polyspori, breviter pedunculati. Sporae discifor-

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