(R. d. Schweiz 125) mit der *calva* (Flore 1874) einerseits, und die *typica* R. d. Schw. 124 mit *taraspensis* (eod) anderseits zu unterscheiden sind. —

Von Sausenheim legt er ein ganz extremes und dadurch stark zur *graveolens* neigendes Ex. der *Friesiana* bei, das lanzettliche Blättchen und ganz dicht stehende Subfoliardrüsen hat. —

(Fortsetzung folgt.)

Fungi Austro-Africani.

Autore F. de Thümen.

V.

(Conf. Flora 1876 p. 568.)

67. *Agaricus Lepiota Zeyheri* Fr. Fungi Natal. p. 2.

Forma elegantula, pileo squamulis rufo-fuscis, regulariter dispositis, ambitum versus rasescentibus ornatus, stipite gracili, ad basim rapaeformi. Habitus fere *Ag. gracilenti* Krombh. — (Kalchbrenner!) — In sylvis pr. Somerset-East, Promont: bonae spei. 1876. Leg. P. Mac Owan. — Pr. Bazuja, Caffraria, leg. Rev. Bauer. (no. 1001.)

68. *Agaricus Tricholoma Georgii* Fr. Hym. europ. p. 67.

Totus albus, exceptis lamellis pallide carneis; firmus, 5 cent. altus. Pileus 4,5 cent. diametro, subhemisphaericus, plerumque irregularis, glaber, margine nudo, involuto; lamellae horizontales, angustae; stipes crassus, solidus, obesus, cum carne pilei continuus; odor subnullus; sapor nucum Avellanarum. — Fungus hic ad *Ag. Prunulum* Fr. non ducendus, lamellas enim attenuato adnexas, confertas habet non vero distantes et longe decurrentes. — (Kalchbrenner!) — „Hanc speciem solam inter fungos Caffri edunt“ — Mac Owan. — Pr. Somerset-East, Promont: bonae spei. 1876. Leg. P. Mac Owan. (no. 1109.)

69. *Agricus Clitocybe amarus* Fr. Syst. myc. I. p. 87.

Stipite gracili, subbulboso a typico quantulum discedit. — (Kalchbrenner!) — Pr. Somerset-East in sylvis montis „Boschberg“, Promont: bonae spei, 1876. Leg. P. Mac Owan. (no. 1212.)

70. *Agaricus Clitocybe fragrans* Sow. Fungi Tab. 10.

Habitus omnino *Collybiae*, sed lamellae breviter decurrentes ad Clytocybeas orbiformes cogunt. — (Kalchbrenner!) — In sylvis

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inter folia putrida pr. Somerset-East, Promont: bonae spei. 1876. Leg. P. Mac Owan. (no. 1210.)

71. *Agaricus Omphalia polypus* Kalchbr. nov. spec.

A. pileo membranaceo, convexo, laeviter umbilicato, 3—4 lin. lato, striatulo, nudo, e gilvo rufescente; stipitibus fasciculatis, fistulosis, aequalibus, apice dilatatis, laevibus, glabris, basi albo villosis, 1—2 unc. et ultra longis, vix 1 lin. crassis, pileo concoloribus; lamellis breviter decurrentibus, valde distantibus, angustissime plicaeformibus, haud venosis. — In sylvis montis „Boschberg" pr. Somerset-East, Promont: bonae spei. 1876. Leg. P. Mac Owan. (no. 1198.)

72. *Polyporus chilensis* Fr. Novae Symb. myc. p. 63.

In sylvis montis „Boschberg" pr. Somerset-East, Promont: bonae spei, in truncis arborum, 1875. Leg. P. Mac Owan. (no. 1220.)

73. *Geaster capensis* Thm. nov. sp.

G. peridiis exteriis explanatis, ad ultra medium in lacinias multas, 7—11 fissis, laciniis cuneatis, apicibus longissimis, cuspidatis, plus minusve sed semper reflexis, fuscis, subtus albido-luteis, margine pallidiore sublimbato, in excisuris fibroso-ciliatis; peridiis interiis plus minus globosis, subplicatis, sessilibus, apice depresso-umbilicato, castaneo, in circulo ciliato-fimbriato, membrano tenui, laevi, dilute griseo-fusco, papyraceo; sporis globosis, episporio laevi vel subechinulato, 2—3 mm. in diam., fuscis. — A *G. limbato* Fr. peridiis interiis sessilibus, apicibus depressso-umbilicatis et sporis laevibus vel subechinulatis valde differt. — Ad pedem arbustorum in sylvis montis „Boschberg" pr. Somerset-East, Promont: bonae spei, 1875. Leg. P. Mac Owan. (no. 1236.)

74. *Clavaria pistillaris* Lin. Fl. suec. p. 1266.

In sylvis ad pedem montis „Boschberg" pr. Somerset-East, Promont: bonae spei. Martio 1876. Leg. P. Mac Owan.

75. *Nectria coccinea* Fr. Sum. veg. Scand. p. 388.

In virgis, ramulisque humi jacentibus in sylvis montis „Boschberg" pr. Somerset-East, Promont: bonae spei. 1875. Leg. P. Mac Owan.

76. *Meliola Psilostomae* Thm. nov. spec.

M. maculas radiantes, magnas, effusas, tenuissimas, atras, plus minus orbiculatas in foliorum pagina inferiore, raro etiam superiore, formans; peritheciis subcorbonaceis, parvis, subglobosis; floccis repentibus, ramosis, interdum obscure septatis, fuscis,

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tenuibus; ascis lato clavatis, hyalinis, vertice episporio incrassato, basi angustatis, saepe subcurvatis, 45 mm. long., 24—26 mm. crass., 8 sporis; sporis trifariis, anguste ellipticis, septatis, medio ad septum constrictis, loculis aequalibus, utrinque rotundatis, saepe in eodem loculo uni vel binucleatis, 16—20 mm. long., 6—9 mm. crass., fuscis; paraphysibus nullis. — In foliis vivis *Psilostomae ciliatae* Kl. (*Plectroniae c.* Dietr.) in sylvis montis „Boschberg" pr. Somerset-East, Promont: bonae spei. Dec. 1876. Leg. P. Mac Owan. (no. 1291.)

77. *Pseudopeziza Ranunculi* Fckl. Symb. myc. p. 290.

f. *Ranunculi pinnati.*

Ad folia viva *Ranunculi pinnati* Poir. in sylvis ad pedem montis „Boschberg" pr. Somerset-East, Promont: bonae spei. Aug. 1876. Leg. P. Mac Owan. (no. 1281.)

78. *Puccinia Printziae* Thm. nov. spec.

P. acervulis hypophyllis, sparsis, maximis, confluentibus vel compositis, elevatis, suborbiculatis, verrucaeformibus, firmis, spadiceo-castaneis in macula expallescentia, pagina superiore luteofusca, concava; sporis clavatis, vertice obtuso-acutatis, medio constrictis, longo pedicellatis, 68—72 mm. long., loculo superiore, 20—22 mm. crass., loculo inferiore 16—18 mm. crass., fragilibus, dilute fuscis, episporio laevi, subcrasso, vertice incrassato, pedicello subrecto vel minime curvato, utrinque subincrassato, 25 mm. longo, 5—8 mm. crasso. — In foliis vivis *Printziae Huttoni* Harv. in sylvis elatioribus montis „Boschberg" pr. Somerset-East, Promont: bonae spei. Julio 1876. Leg. P. Mac Owan. (no. 1278.)

79. *Uromyces Bulbinis* Thm. nov. spec.

U. acervulis amphigenis, parvis, dense gregariis, in circulis maximis concentrico dispositis, epidermide tectis, firmis, subconcavis, fuscis; sporis clavatis vel oblongo-clavatis, plerumque vertice subacutatis, basi subangustatis, pedicellatis, episporio laevi, subcrasso, vertice incrassato, 30—36 mm. long., 20—22 mm. crass., pedicello caduco, inaequali, 12 mm. long., 4 mm. crass., recto vel minime curvato, hyalino, flavo-fuscis, epidermide obscuriore, intus granulosis; paraphysibus nullis. — In foliis vivis *Bulbinis aloidis* Willd. in monte „Boschberg" prope Somerset-East, Promont: bonae spei, non frequens, Nov. 1875. Leg. P. Mac Owan. (no. 1019.) — A *U. Muscari* Lév. episporio vertice incrassato et pedicello breviore valde differt!

80. *Uromyces Heteromorphae* Thm. nov. spec.

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U. acervulis hypophyllis, sparsis, parvis, planis, fuscis, liberis, in macula parvula expallescentia; sporis brevissime pedicellatis, ovatis, vertice rotundato, basi in pedicello angustatis, episporio tenuissimo, dense aculeato, aculeis hyalinis, minutis, 32—35 mm. long., 22—24 mm. crass., dilute griseo-fuscis; pedicello saepe evanido, brevissimo, hyalino. — In foliis vivis *Heteromorphae arborescentis* Cham. et Schlchtd. in monte „Boschberg" pr. Somerset-East, Promont: bonae spei. 1875. Leg. P. Mac Owan. (no. 1021.)

81. *Uredo Lepisclinis* Thm. nov. spec.

U. acervulis amphigenis, sparsis vel subgregariis, mediis, primo tectis, convexis, firmis, postremo liberis, disciformibus, concavis, ochraceis; sporis diformi-rotundis vel irregulariter globosis, vertice plerumque minime obtuso-acutato, intus granulosis, episporio subcrasso, heterogeno, 20—24 mm. in diam., dilute fusco-cinerascentibus. — In foliis vivis *Helichrysi nudifolii* Less. (*Lepisclinis n.* Cass.) pr. Somerset-East, Promont: bonae spei. 1876. Leg. P. Mac Owan. (no. 1239.)

82. *Uredo Lychnidearum* Desm. Ann. sc. nat. 1842. Tom. XVII. p. 94.

f. *Silenis capensis.*

In *Silenis capensis* Otth. foliis vivis pr. Somerset-East, Promont: bonae spei. 1876. Leg. P. Mac Owan. (no. 1143.)

83. *Uredo Zehneriae* Thm. nov. spec.

U. acervulis hypophyllis, sparsis, interdum confluentibus, saepe in circulo dispositis, epidermide expallescente tectis, dein erumpentibus, mediis, planis, rufo-fuscis; sporis plus minusve globosis, plerumque basi subacuminatis, laevibus, dilute brunneis, episporio tenui, 25 mm. in diam. — In foliis languidis *Zehneriae scabrae* Sond. juxta „Cookhuis Drift" Klyn Visch Rivier, Promont: bonae spei. Julio 1876. Leg. P. Mac Owan. (no. 1271.)

84. *Uredo Myrsiphylli* Thm. nov. spec.

U. acervulis hyphopyllis, sparsis, pro maxima parte solitariis, mediis, tectis, concavis, dilute flavidis in macula magna, indeterminata, exarida straminea; sporis magnis, ellipsoideis, episporio subcrasso, granuloso, inaequali, 34—40 mm. long., 26—30 mm. crass., pallidissime luteis; paraphysibus nullis. — In foliis vivis *Myrsiphylli falsiformis* Knth. in sylvis elatioribus montis „Boschberg" pr. Somerset-East, Promont: bonae spei. Aug. 1876. Leg. P. Mac Owan. (no. 1280.)

85. *Uredo Rumicum* De C. Fl. fr. VI. p. 66.

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f. *Rumicis obtusifolii capensis.*

Ad folia viva *Rumicis obtusifolii* Lin. var. *capensis* M. Ow. pr. Sommerset-East, Promont: bonae spei. 1876. Leg. P. Mac Owan.

86. *Aecidium Senecionis* Desm. Ann. sc. nat. 1836. Tom. VI. p. 243.

f. *Senecionis mikanioidis.*

Ad *Senecionis mikanioidis* Otth. folia viva pr. Somerset-East, Promont: bonae spei. 1876. Leg. P. Mac Owan.

87. *Aecidium Rhamni* Pers. Syn. fung. p. 206.

f. *Rhamni prinoidis.*

In sylvis ad lata montis „Boschberg" pr. Somerset-East, Promont: bonae spei, in foliis vivis *Rhamni prinoidis* L'Herit. Oct. 1876. Leg. P. Mac Owan.

88. *Aecidium Hartwegiae* Th. nov. spec.

Ae. acervulis hypophyllis, dense gregariis, concentrico dispositis in macula vix decolorata, luteis, parvis, ore sublaevi, pallidiore, subasperato; sporis globoso-ellipticis, regularibus, episporio subcrasso, laevi, hyalino, dilute flavidis, intus similaribus, 20—24 mm. long., 18—20 mm. crass. — In *Hartwegiae comosae* N. a. E. (*Chlorophyti Sternbergiani* Steudl.) foliis vivis in sylvis montis „Boschberg" pr. Somerset-East, Promont: bonae spei. Aest. 1875 et 1876. Leg. P. Mac Owan et Tuck. (no. 1022.)

89. *Aecidium Pelargonii* Thm. nov. spec.

Ae. soris hypophyllis, dense gregariis, concentrico dispositis, parvis in macula minima, expallescentia, dilute aurantiacis, ore sublacerato vel crenato, albo-luteo, crasso, elevato; sporis ellipticis vel subglobosis, 21—24 mm. long, 18—22 mm. crass., episporio subgranuloso vel obsolete verruculoso, subcrasso, hyalino, utrinque rotundatis, pallidissime flavidis, interdum laevi catenulatis. — In foliis vivis *Pelargonii alchemilloidis* Willd. in dumetis ad pedem montis „Boschberg" pr. Somerset-East, Promont: bonae spei. Nov. 1876 Leg. P. Mac Owan. — Saepe in consortione *Uredinis Pelargonii* Thm.

90. *Aecidium Withaniae* Thm. nov. spec.

Ae. acervulis hypophyllis vel etiam caulincolis, sparsis, ochraceis; pseudoperidiis saepe dense gregariis, subelevatis, confluentibus, flavidis, ore laevi, rotundo; sporis globosis, pallidissime griseo-fuscis, episporio subcrasso, laevi, 17—18 mm. in diam. — In foliis caulibusque vivis *Withaniae somniferae* Sond. in monte

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„Boschberg" pr. Somerset-East, Promont: bonae spei. 1876. Leg. P. Mac Owan. (no. 1138.)

91. *Cacoma nervisequum* Thm. nov. spec.

C. acervulis hypophyllis, gregariis, semper internervalibus, mediis, confluentibus, subfirmis, tectis, pro maxima parte seriatis, pallide ochraceo-luteis, in foliorum pagina superiore maculam rufo-fuscam formans; sporis valde irregularibus: oblongis, ovatis, subglobosis, ellipticis, sed semper plus minus compressis, in catenulis rectis, longissimis, 8—20 sporis, hyalinis, intus granulosis, episporio tenuissimo, laevi, 20—22 mm. long., 16—18 mm. crass. — In *Cheilanthis hastatae* Knz. frondibus vivis, languidisve in sylvis ad pedem montis „Boschberg" pr. Somerset-East, Promont: bonae spei. Julio 1876. Leg. P. Mac Owan.

92. *Dendryphium Mac Owanianum* Thm. nov. spec.

D. caules velo atro, tenui toto ambiens; caespitibus confluentibus, effusis, atris, velutinis; hyphis simplicibus, erectis, obsolete septatis, rectis, saturrime fuscis; sporis catenulatis, variis: globosis, depresso-globosis vel clavatis, fuscis, catenulis brevibus, 6—10 sporis, 3—7 mm. in diam. — In *Cuscutae cassythoidis* N. a. E. caulibus emortuis in monte „Boschberg" pr. Somerset-East, Promont: bonae spei. 1876. Leg. P. Mac Owan. (no. 1285.)

93. *Cladosporium Melanophlaci* Thm. nov. spec.

Cl. in foliorum pagina inferiore maculas indeterminatas, fibrosas, velutinas, explanatas, inquinantes formans; hyphis longissimis, gracillimis, erectis, rubrectis vel minime curvatis, breviarticulatis, tenuissimis, fuscis; sporis cylindraceis, apice rotundatis, basi obtusis, uniseptatis, 14—16 mm. long., 3 mm. crass., pallide fusco-stramineis, subdiaphanis. — Ad *Myrsinis melanophlaei* R. Br. folia viva pr. Grahamstown, Promont: bonae spei. Aest. 1876. Leg. P. Mac. Owan. (no. 1255.)

94. *Torula Fusidium* Thm. nov. spec.

T. foliorum paginam inferiorem saepe totam occupans, maculas irregulares, magnas, tenues, non limitatas, pallide flavidas formans; sporis catenulatis, minimis, globosis, saepe etiam conglutinantibus, dilute luteis, 1—1,5 mm. in diam., catenulis brevissimis, 2—5 sporis. — Ad folia viva *Encephalarti cycadifolii* Lehm. in monte „Boschberg" pr. Somerset-East, Promont: bonae spei. 1876. Leg. P. Mac Owan. (no. 1238.)

95. *Cytispora xanthosperma* Fr. Syst. mycol. II. p. 543.

f. *Salicis capensis.*

In virgultis emortuis *Salicis capensis* Thnbg. humi jacentibus

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pr. Somerset-East, Promont: bonae spei. Julio 1876. Leg. P. Mac Owan. (no. 1283.)

96. *Tubercularia persicina* Ditm. in Sturm Deutschl. Fl. III. p. 99. Tab. 49.

In *Aecidio Senecionis* Desm. in *Senecionis mikanioidis* Otth. foliis vivis parasitans pr. Somerset-East, Promont: bonae spei. 1876. Leg. P. Mac Owan.

Die Laubmoose des fränkischen Jura.

Von F. Arnold.

(Fortsetzung.)

150. *Bryum inclinatum* (Sw.).

III. 1. Auf einer trockenen Bergwiese auf der Höhe des Arzberges bei Beilngries (Bryoth. 1026) gesellig mit *Br. pendulum.* — Selten auf steinigem Dolomitboden unweit eines Quellbaches bei Pottenstein.

Die Sporen sind 0,030 mm. lat.

151. *Bryum uliginosum* (Bch.). Milde p. 209.

I. 6. Sehr selten: c. fr. auf einer Torfwiese bei Buxheim, südlich von Eichstätt (von Milde und Ruthe geprüft); daselbst auch an der senkrechten Seite eines Torfgrabens bei Wolkertshofen gesellig mit *Amblyodon.*

Die Sporen fand ich 0,036—45 mm. breit.

152. *Bryum cirrhatum* (H. H.).

I. 3. Auf kleinen Erderhöhungen am Rande der Torfwiesen zwischen Wolkertshofen und Pettenhofen bei Eichstätt (von Ruthe eingesehen.)

III 1. 2. In Ausböhlungen der Dolomitwände oberhalb Körbeldorf bei Pegniz; auf Erde eines Dolomitfelsens bei Neuhaus in der Oberpfalz. (Die Exemplare wurden von Juratzka, Milde und Ruthe geprüft.)

Die Sporen sind 0,015—18 mm. breit.

153. *Bryum bimum* Schreb.

I. 1. Auf Erde des Strassengrabens bei der rothen Marter unweit Muthmannsreuth. (Bryoth. 1027.): sporae 0,015—17 mm. lat.

3. Am Rande eines Waldgrabens zwischen Horlach und Michelfeld.

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