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Inhalt. Dr. Karl Müller: Sechs neue Laubmoose Nordamerika's. — Prof. C. Haussknecht: Beitrag zur Kenntniss der Arten von Fumaria. Fortsetz.

Sechs neue Laubmoose Nordamerika's.

Beschrieben von Dr. Karl Müller Hal.

1. *Mnium (Eumnium) Neevii* C. Müll. n. sp.; *Synoicum;* cespites laxi inferne fusco-tomentosi subhumiles; *caulis simplex*, inferne fusco-radiculosus gracilis, *apice clavato* solum imbricato-foliosus virescens; *folia caulina erecto-conferta regulariter se tegentia*, crispatula, madore reflexo patula et carnosula, e basi decurrente serie cellularum angustarum unica formata breviter cuneatâ late ovata vel orbiculata, acumine brevi acuto plerumque reflexo terminata, *dentibus elongatis plus minus erectis vel reflexis ciliiformibus fimbriata*, nervo in aristulam excedente, cellulis ubique parvis hexagonis regularibus viridissimis chlorophyllosis, limbo lato flavido; perich. pauca parva lanceolato-acuminata integerrima, limbo e cellularum serie unica efformato apice solum cincta, e cellulis elongatis laxis apice hexagonis paucis densioribus reticulata; thecae in pedunculis flavidis flexuosis geminatae pendulae cylindrico-oblongae basi incrassatae. Peristomium normale. Opercula et calyptrae ignotae.

Patria Oregon, Portland, vere 1873: Rever. Dr. R. Neevius; mis. C. Mohr 1873 ex Mobile Alabamae.

Notis accuratius designatis primo visu cognoscendum. *Mn. cuspidatum* affine facile distinguitur: ramis sterilibus reptantibus, fertilibus laxe et valde patule foliosis, foliis tenuissime limbatis breviter dentatis fructibusque turgide ovalibus.

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2. *Catharinea (Atrichum) xanthopelma* C. Müll. n. sp.; dioica, laxe et late cespitosa *lutescens gracilis* crispatissima elongata, *tenera*; *folia caulina* madore patentissima, angusta brevia lanceolata *obtusata*, lamellis 4—6 regularibus humilibus, margine undulato, limbo angustissimo apic evanido, *dentibus pro more simplicibus nec duplicatis brevissimis rarius aculeiformibus*, *dorso nervi dentibus similibus paucissimis* in pagina folii crebrioribus, *cellulis parvis* quadratis apicem versus hexagono-rotundis; perich. similia; theca in *pedunculo* elongato *flavido nunquam rubente* longiuscule cylindrica angustata parum curvata badia, operculo e basi cupulata longe oblique rostrato, calyptra angustissima apice dentibus ciliiformibus erectis subappressis longiuscule hispida; peristomii dentibus elongatis angustis.

Patria. Texas, Dallas County: J. Boll 1870.

A. *C. angustata* proxima caracteribis accuratius laudatis differt et species elegans. Planta mascula ignota.

3. *Bartramia (Philonotis) Mohriana* C. Müll. n. sp.; dioica; *caulis robustiusculus* ubique densifolius, inferne fusco-radiculosus, *ramulis* crassiusculis inaequalibus plerumque brevibus et *strictis* nonnullis coronatus, breviusculus; *folia caulina undique inserta*, *madore et siccitate patenti-patula strictissima*, sordide lutescentia, *latiuscule perfecte lanceolata* longe acuminata aristatula, longitudinaliter indistincte plicata, basi saepius cavernosula igitur irregulariter concava, margine angustissime revoluta, apice dense serrulato-denticulata inferne ob papillas prominentes nodosula, nervo profunde canaliculato in aristam excedente furcata, *e cellulis angustis elongatis linearibus pellucidis laxis reticulata igitur tenuiter membranacea et flaccidula*, *valde punctato-papillosa*; perich. caulinis similia sed basi latiore magis ovata laxissime reticulata, papillis ad parietes cellularum transversales indistinctis grossis singulis obtecta; theca in ped. flexuoso rubro robusto plantulam longitudine aequante parum obliquo magna globosa plicatula, operculo cupulato umbonato minuto; peristomium duplex normale: dentes externi late lanceolati valde et robuste trabeculati fusci striatuli, interni magis lutei asperuli breviores.

Patria. Louisiana, ad truncos putridos in sylvis opacis prope Donaldsonville, mense Decembris: C. Mohr legit et misit.

Species excellentissima, statura humiliore robusta, foliis strictissimis nunquam secundis lanceolatis laxe reticulatis maxime papillosis prima scrutatione a B. *fontana et calcarea* distinguenda, cum alia nunquam confundenda, *B. Schlumbergeri* mexicanae

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quoad habitum aliquantulum affinis. *B. radicalis* gracilitate maxima aliisque notis multis ac habitatione terrestri palustri toto coelo differt.

4. *Barbula (Senophyllum) cancellata* C. Müll. n. sp.; dioica, late cespitosa humilis crispatissima simpliciuscula e viridi lutescens gracilis; folia caulina madore erecto-conferta, lineali-lanceolata obtusa sed brevissime apiculata, margine infero angustissime reflexa, ubique integerrima, nervo crasso profunde canaliculato rubro dorso aspero percursa concava, basi e cellulis parvis firmiusculis regularibus rectangularibus pallidis superne minoribus quadratis obscure viridibus papillosis areolata; perich. e basi vaginata lanceolato-acuminata angustata, e cellulis elongatis laxiusculis apice magis ellipticis areolata; theca in pedunculo mediocri rubro flexuoso tenui recto cylindrica badia exannulata, operculo capsulam longitudine subaequante conico obliquiusculo, calyptra asperrima, peristomio fontinaloideo-cancellato elegantissimo tenerrimo levissimo purpureo ad basin fere usque fisso.

Patria. Texas, Dallas county: J. Boll cum *Angstromia varia* associatam legit 1870.

A. *B. Crügeriana* proxima peristomii dentibus conum tenerrimum fontinaloideum sistentibus appendiculatis jam longe differt.

5. *Grimmia (Dryptodon) Neevii* C. Müll. n. sp.; dioica; laxe cespitosa atro-viridis vel nigricans; *caulis* longiusculus *gracilis, inferne foliis diffractis nudiusculus*, per innovationem parce et breviter ramulosus, *ramulis supremis incurvulis* foliosis; *folia caulina* appresso-imbricata vel parum patula, e basi parum decurrente oblonga *late ligulacea obtusata*, valde concava, *margine* infero plus minus revoluto integerrima, *apicali dentibus nonnullis remotis brevibus angulate-eroso-denticulata*, nervo latiusculo canaliculato in strias veluti dissoluto ante apicem evanido percursa, e cellulis carnosulis viridissimis parietibus undulatis instructis quadratis papillosis chlorophyllosis areolata; perich. semivaginantia oblongo-lanceolata acuminata integerrima, plicatula, exteriora evanidinervia, interiora enervia, omnia valde concava e cellulis tenuibus pellucidis rectangularibus angustis reticulata; *theca in pedunculo brevissimo curvulo majuscula ovalis* badia submacrostoma, *dentibus robustis rubris levibus in crura duo cohaerentia fissis crasse articulatis carnosulis.* Caetera ignota.

Patria, Portland Oregon, vere 1873: Rever. Dr. Neevius legit, C. Mohr ex Mobile Alabamae misit.

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Planta mascula femineae simillima, androeciis nonnullis turgidis coloratis secus caulem dispositis, antheridiis magnis clavatis eparaphysatis, foliis perigonialibus e basi late ovata laxe reticulata aurantiaca breviter oblongis vel ligulaceo-obtusatis angulate denticulatis, interioribus brevissime acuminatis obtusiusculis integris, omnibus evanidinervibus. — Quoad foliorum formam *Grimmiae aciculari* affinissima, sed haec species primo intuitu differt: pedunculo elongato cellulisque foliorum dolioliformi-rotundis.

6. *Hypnum homalostegium* C. Müll. n. sp.; monoicum; cespites lati humiles sordide virides densiusculi rigiduli; caulis repens sed ramulis creberrimis brevibus erectis vel curvulis dense aggregatis tenuibus firmiusculis simplicibus pseudo-pinnatus; folia caulina dense imbricata indistincte secunda, madore caulem subjulaceum turgescentem tenuem sistentia, e basi cordata latiuscule ovata breviter acuminata concava, margine erecto obsolete denticulata, nervis binis brevibus, cellulis minutis tenuibus indistinctis angustissime ellipticis pallidis tenerrime papillosis, alaribus ad alas solum impresso-revolutas quadratis massa grisea repletis; perich. anguste lanceolato-acuminata longiuscula secunda, concava, longitudinaliter plicatula, enervia, leviuscula lutescentia; theca in ped. ascendente flavido-rubro mediocri horizontalis minuta asymmetrico-cylindracea, medio valde constricta, basi gibbosa vel strumosa, macrostoma badia, operculo minuto e basi planiuscula brevissime apiculato recto; perist. dentes valde prominentes callum angustissimum sistentes madore conniventes, externi rubri valde cristati, interni lutei, laeves latiusculi carinati imperforati, ciliis singulis latis brevioribus pallidioribus interjectis.

Patria. Alabama, West-Fowl-River secus littora maritima ad corticem arborum: C. Mohr vere 1871 legit, misit 1873.

Hypno adnato proximum, sed haecce species primo momento differt: ramis multo tenuioribus nunquam turgide julaceis, foliis caulinis integerrimis, cellulis multo majoribus distincte ellipticis levissimis coloratis, perich. late ovatis acuminatis, theca longius pedunculata multo majore robustiore e collo angustiore curvato-oblonga nec gibbosa nec strumosa medio constricta et operculo magno e basi turgide conica rostellato. — Primo intuitu formis gracilioribus *Hypni cespitosi* simile, sed cellulis alaribus vesiculiformibus flavidis carens.

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