

F. Schumm (2026):

Images of Lichens
div. species of Cladonia

With this volume I document a collection of diverse spec. of the genus ***Cladonia*** that may be an addition to the Vols 68, 77, 84 in the Archives for Lichenology. I omitted the search for description from the literature because most of them could be found in th earlier Vols.

For the descriptions of europaean species I recomend the excellent descriptions that are provided in Prof. Nimis ITALIC 8 under the URL:
<https://italic.units.it/>

and the Australian Lichenslist under the Url:
https://www.anbg.gov.au/abrs/lichenlist/lichenchecklist_e_o.html

F. Schumm, 2026

Cladonia acuminans R.C. Harris, Opuscula Philolichenum 6: 150 (2009)

[20240], USA, New York, Dutchess Co., Dover Plains, Roger Perry Memorial Preserve, S of Sand Hill Road, SE of jct with Lime Kiln Road. Lat. 41°43'52" N, Long. 73°33'45" W. White calcareous sand and calcareous sandstone outcrops. Large colony on shaded, grassy slope. Leg. R. C. Harris (54800), 4.11.2008, det. R. C. Harris (atranorin, psoromic acid), 2009. EX LICHENES OF EASTERN NORTH AMERICA EXSICCATI NR. 342. - Isotype.



Cladonia acuminans



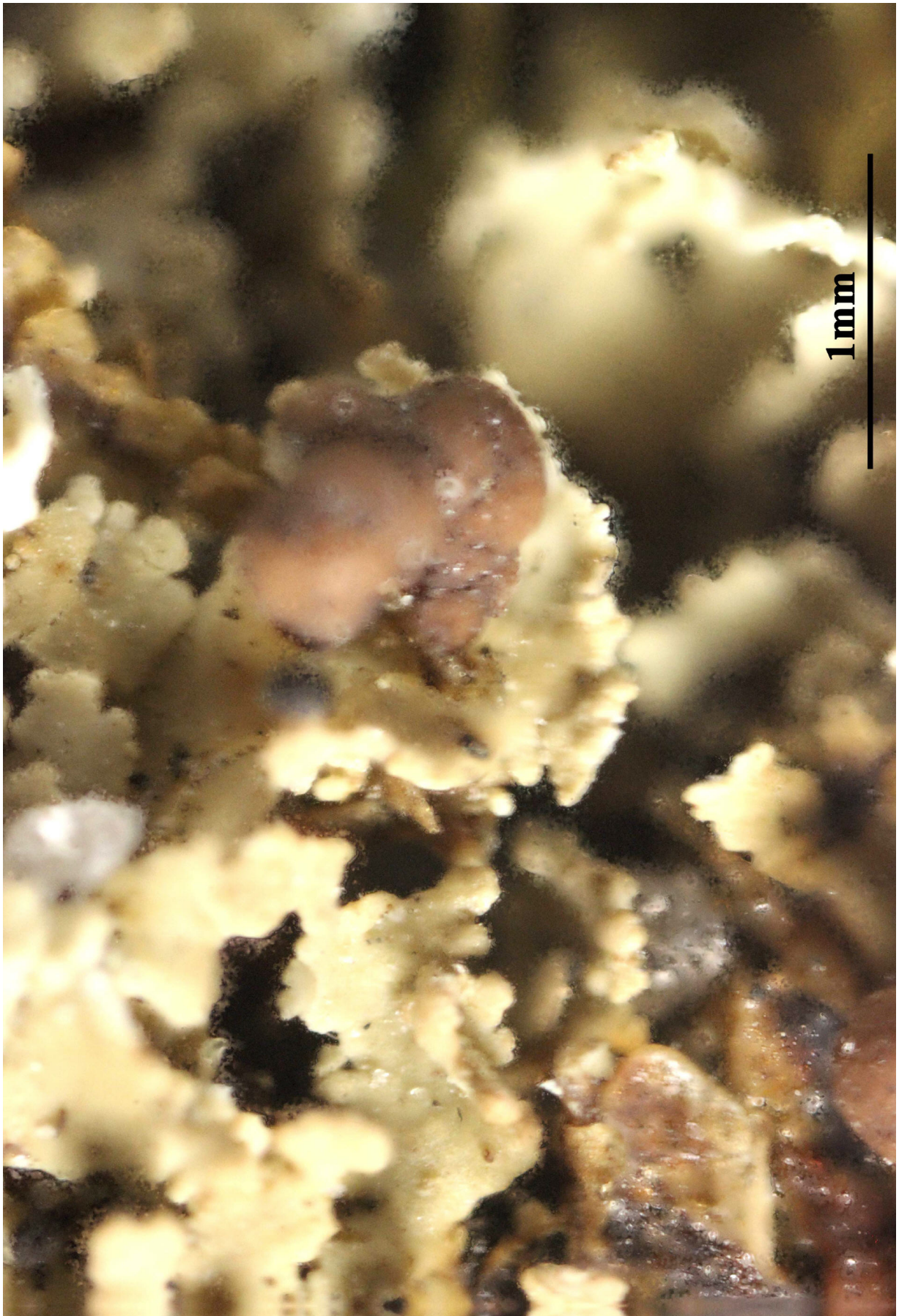
Cladonia acuminans

Cladonia caespiticia (Pers.) P. Gaertn., B. Mey. & Scherb. [as 'cespiticia'], Oekonom.-techn. Fl. Wetterau 3(2): 170 (1802) [1801]

[20241], USA, New Jersey, Atlantic County, Makepeace Wildlife Management Area, 0 to 1/2 mi S/SE of Make Peace Lake, ca. 5.5 mi W of Egg Harbor City, ca. 2.5 mi E of Weymouth, Egg Harbor City Quad. 50-60 ft., Lat. 39°31'35" N, Long. 74°44'32" W. Upland pine (*Pinus*). oak (*Quercus*) forests intermixed among extensive red maple (*Acer rubrum*) swamps, Atlantic white cedar (*Chamaecyparis thyoides*) swamps, and abandoned cranberry bogs. - on soil of roadbanks. Leg. J. C. Lendemer (88744) & A. Moroz, 31.3.2007. EX LICHENES OF EASTERN NORTH AMERICA EXSICCATI NR. 313.



Cladonia caespiticia



Cladonia caespiticia

Cladonia cenotea (Ach.) Schaer., Lich. helv. spicil. 1: 35 (1823)
= *Baeomyces cenoteus* Ach. 1803

[20266], Austria, Steiermark (=Styria), Steirisches Randgebirge, Stubalpe, 9.6 km E of Obdach, E-facing slopes of Ameringkogel, 3.7 km W of Hirscheegger Sattel, SE of the hut Steinmoarhütte, 47°04'10" N, 14°49'25" E, 1620 m, forest area with *picea abies* and *Larix decidua*, on decaying stump. Leg. J. Hafellner (no. 66410), 10.07.2006, det. J. Hafellner. Ex Lichenotheca Graecensis Nr. 304.



Cladonia cenotea



Cladonia cenotea

Cladonia coccifera (L.) Willd., Fl. berol. prodr.: 361 (1787)
= *Lichen cocciferus* L. 1753

[20234]. Papua New Guinea, Simbu, Bismarck Range, Mt. Wilhelm, summit region, grassland with rocks, soil, 4200-4500 m, 145°2' E, 5°47' S. Leg. A.C. Jermy (5499), 3.3.1965. EX HERBARIUM MUSEUM BRITANNICI (BM); Duplicate of BM000577427.



Cladonia coccifera

Cladonia confusa R. Sant., Ark. Bot. 30A(no. 10): 13 (1942)

[20254], Maskarenen, Réunion, Cirque de Cilaos, Aufstieg von Thermals (N von Cilaos) Richtung Col du Taibit. Sekundärer Niederwald, 1300 m, 21°07' S, 55°28' E. Leg. K. & A. Kalb (no. 33686), 22.8.1991, det. H. Sipman, 05.2011. EX HERBARIO F. SCHUMM NR. 20254.



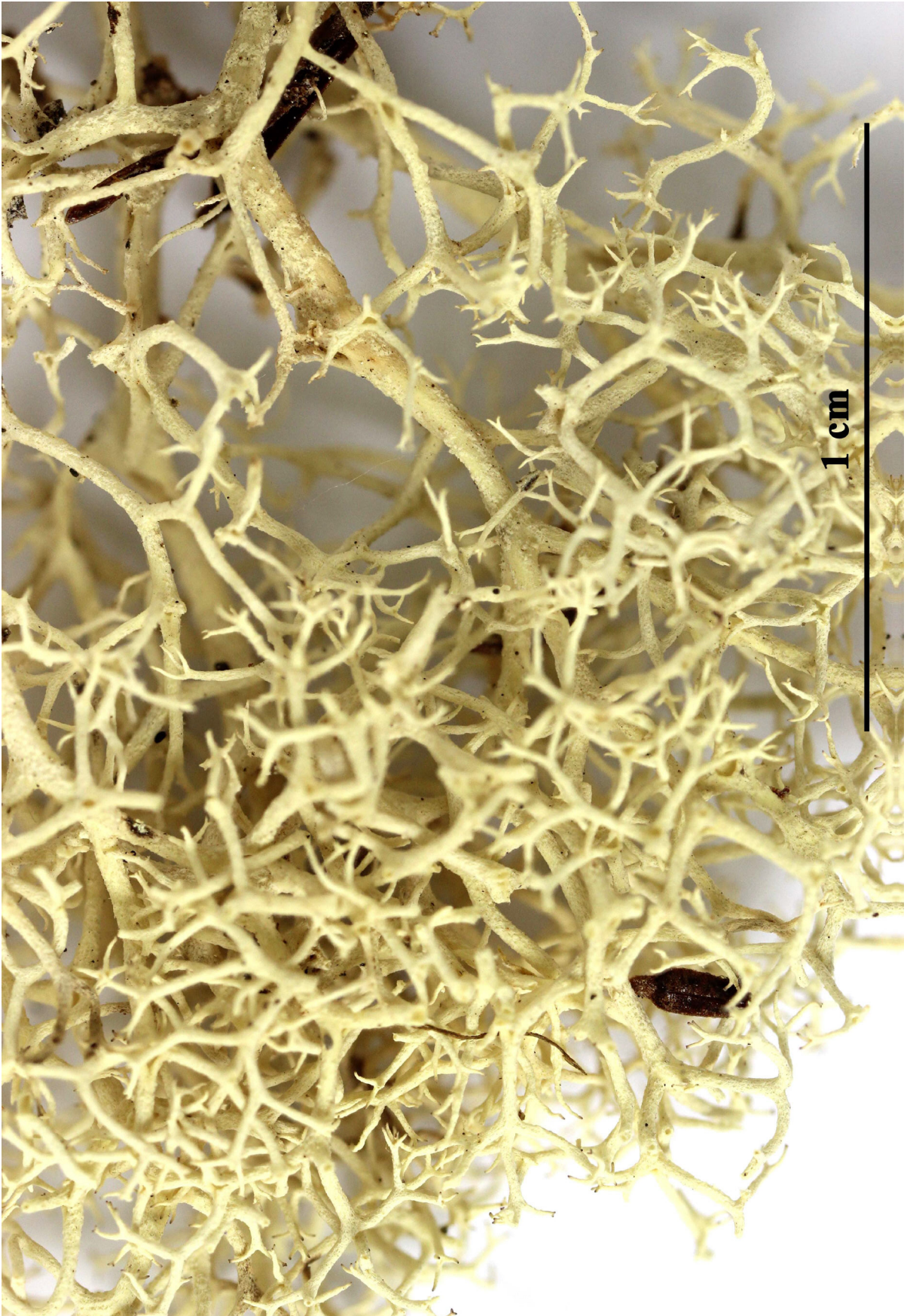
Cladonia confusa



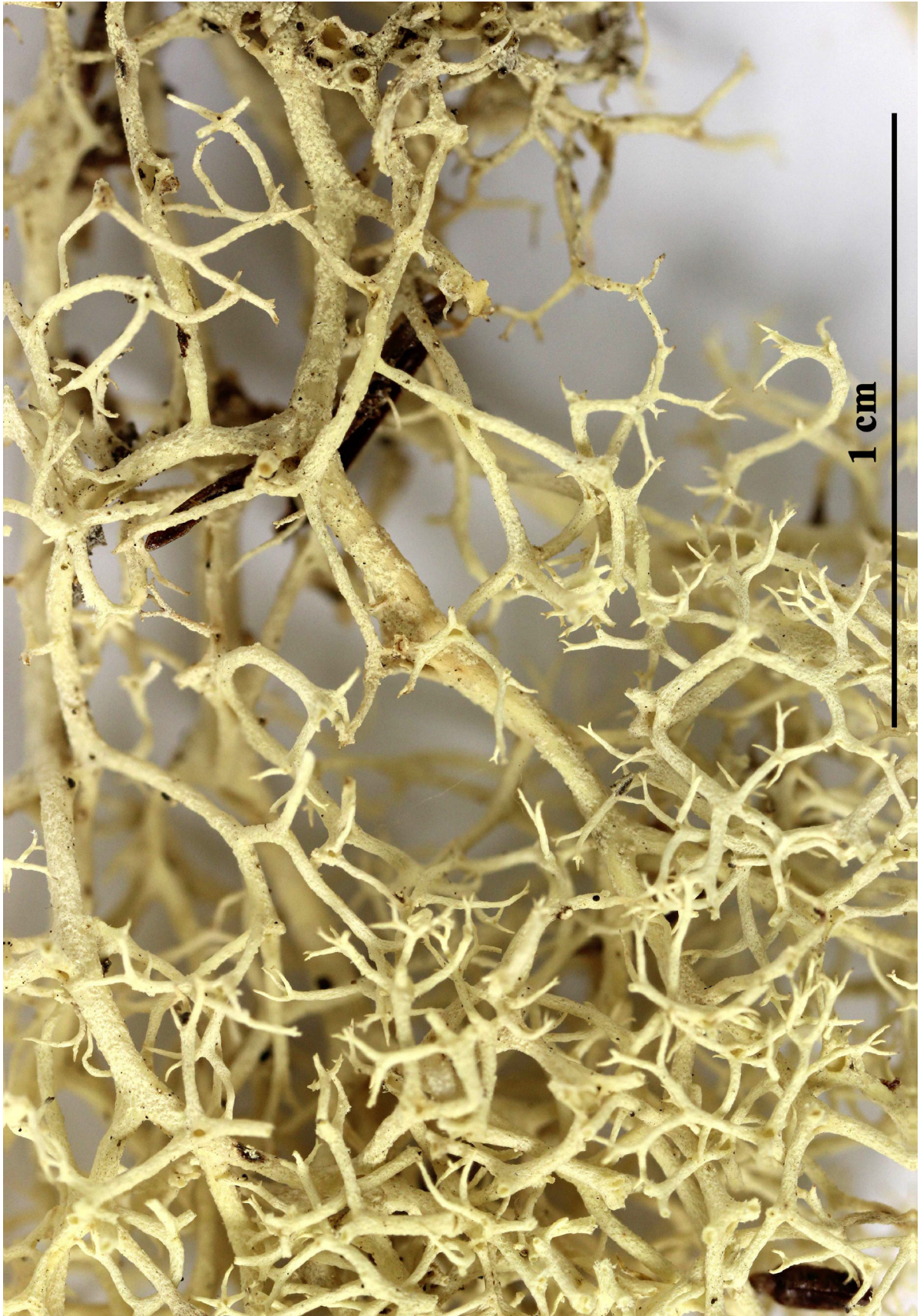
Cladonia confusa

Cladonia confusa R. Sant., Ark. Bot. 30A(no. 10): 13 (1942)

[20253], Maskarenen, Réunion, Cirque de Cilaos, Aufstieg von Thermals (N von Cilaos) Richtung Col du Taibit. Sekundärer Niederwald, 1300 m, 21°07' S, 55°28' E. Leg. K. & A. Kalb (no. 337979), 22.8.1991, det. H. Sipman, 05.2011. EX HERBARIO F. SCHUMM NR. 20253.



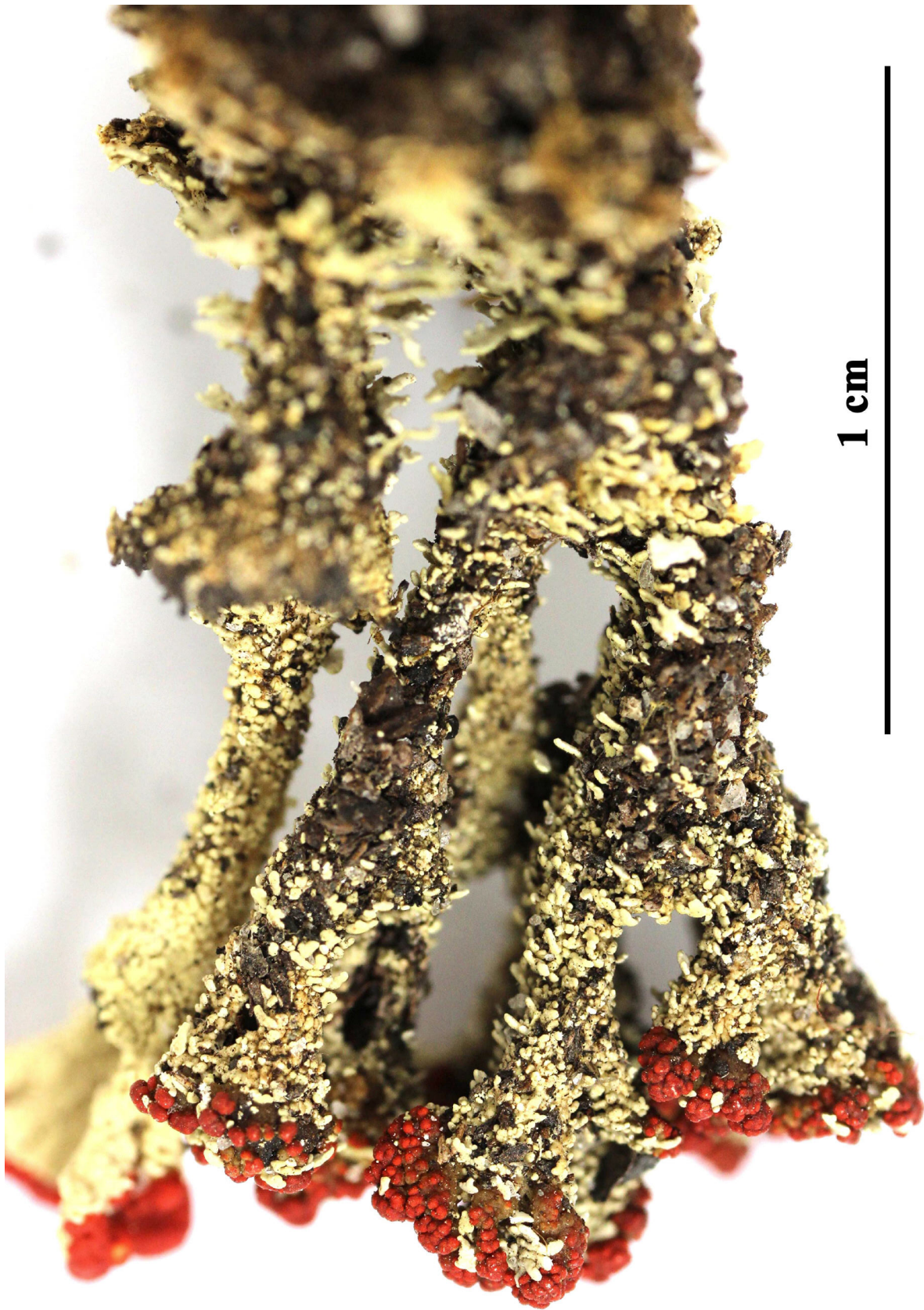
Cladonia confusa



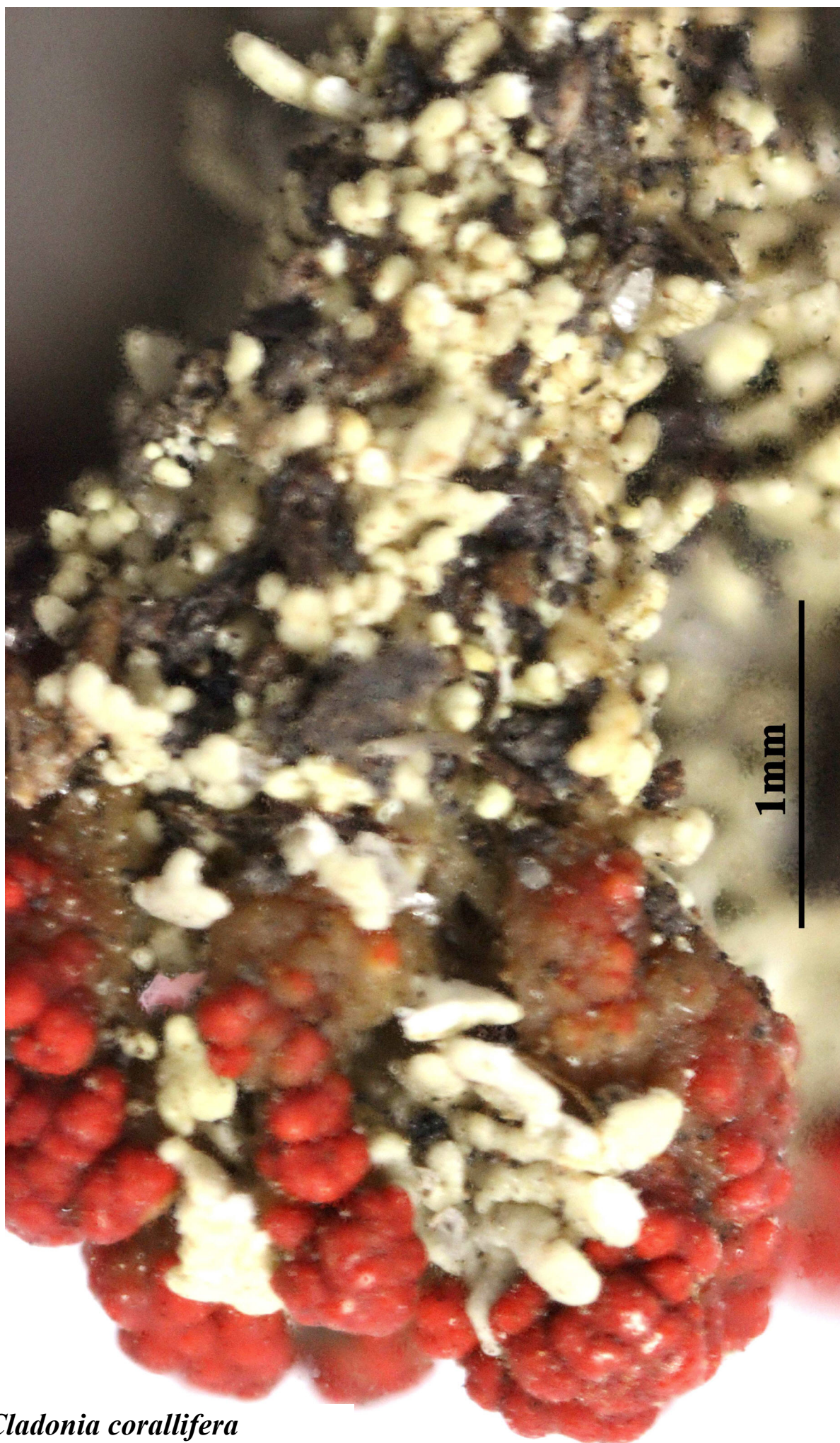
Cladonia confusa

Cladonia corallifera (Kunze) Nyl., Flora, Regensburg 57(5): 70 (1874)
= *Cenomyce corallifera* Kunze 1828

[20264], Brazil, Sergipe, Serra de Itabaiana, above of "Parque dos Falcoes", c. 56 km NE of Aracuja, in a Cerradao with a few Caatinga elements, 10°44'51" S, 37°22'37" W, 300m. Leg. K. Kalb, 13.04.2010, det. K. Kalb. EX HERBARIO F. SCHUMM NR. 2064.



Cladonia corallifera



Cladonia corallifera

Cladonia corymbescens (Nyl.) Nyl., in Leighton, Ann. Mag. nat. Hist., Ser.
3 18: 407 (1866)
= *Cladonia degenerans* var. *corymbescens* Nyl. 1861

[20235], Papua New Guinea, Madang, Finisterre Range, Saidor, Naho-
Rawa divide, Lake Naho, open area, soil, 2400 m, 146°20' E, 5°40' S.
Leg. A. C. Jermy (no. 4358), 24.11.1964, det. A. Aptroot, 2009. EX
HERBARIUM MUSEUM BRITANNICI (BM); Duplicate of BM000577301.



Cladonia corymbescens



Cladonia corymbescens

Cladonia crispata (Ach.) Flot., Flechten Hirschberg-Warmbrunn: 4 (1839)
= *Baeomyces turbinatus* var. *crispatus* Ach. 1803

[20236], Papua New Guinea, Madang, Finisterre Range, Saidor, Nahorawa divide, Lake Naho, open area, soil, 2400 m, 146°20' E, 5°40' S. Leg. A. C. Jermy (4359), 24.11.1964, det. A. Aptroot, 2009. EX HERBARIUM MUSEUM BRITANNICI (BM); Duplicate of barcoded BM000577302.



Cladonia crispata



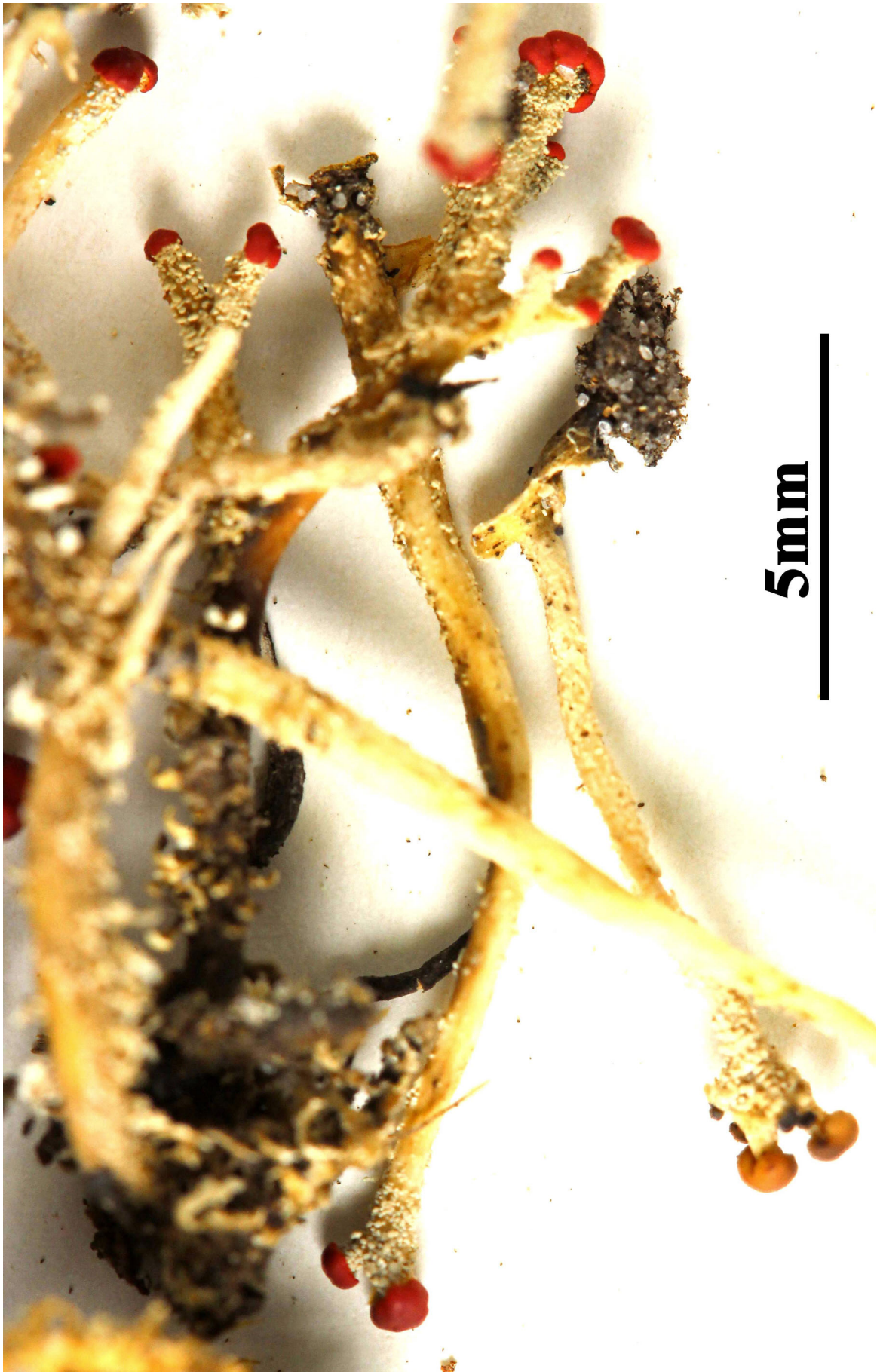
Cladonia crispata

Cladonia didyma (Fée) Vain., Acta Soc. Fauna Flora fenn. 4(no. 1): 137 (1887)
= *Scyphophorus didymus* Fée 1825

[20230], Brasilien, São Paulo, Ilha Comprida gegenüber von Cananeia.
In einem trockenen Stranddünenwald (Restinga). 2 m. Auf Schwemmsand. Leg. K. Kalb (nr. 11109) et G. Plöbst, 18.03.1979, det. T. Ahti', 1983 (Chemie: barbatic, didymic, rhodocladonic acids, anal. T. Ahti).
EX HERBARIO F. SCHUMM NR.20230.



Cladonia didyma



Cladonia didyma

Cladonia didyma (Fée) Vain., Acta Soc. Fauna Flora fenn. 4(no. 1): 137 (1887)
= *Scyphophorus didymus* Fée 1825

[20261], Maskarenen, Réunion, Zwischen le Brûlé (S von St-Denis) und Plaine des Cnicots. Tropischer Regenwald mit *Nastus borbonicus*, *Accacia heterophylla*, *Cyathea borbonica*, *Philippia montana* etc. 1400-1600 m, 20°57' S, 55°27' E. Leg. K. & A. Kalb (26001), 15.8.1991, det. H. Sipman, 05.2011. EX HERBARIO F. SCHUMM NR. 20261.



Cladonia didyma



Cladonia didyma

Cladonia didyma (Fée) Vain., Acta Soc. Fauna Flora fenn. 4(no. 1): 137 (1887)
= *Scyphophorus didymus* Fée 1825

[20262], Maskarenen, Réunion, Zwischen le Brûlé (S von St-Denis) und Plaine des Cnicots. Tropischer Regenwald mit *Nastus borbonicus*, *Accacia heterophylla*, *Cyathea borbonica*, *Philippia montana* etc. 1400-1600 m, 20°57' S, 55°27' E. Leg. K. & A. Kalb (26001), 15.8.1991, det. H. Sipman, 05.2011. EX HERBARIO F. SCHUMM NR. 20262.



Cladonia didyma



Cladonia didyma

Cladonia didyma* var. *vulcanica (Zoll. & Moritzi) Vain., Acta Soc. Fauna
Flora fenn. 4(no. 1): 145 (1887)
= *Cladonia vulcanica* Zoll. & Moritzi 1847

[20229]. Brasilien, Rio de Janeiro, Serra da Mantiqueira, Itatiaia. Zwischen Registro do Picú und Agulhas Negras. An einem vermoderndem Stumpf. 1900. Leg. K. Kalb (nr. 11107) et G. Plöbst, 1.11.1978, det. T. Ahti, 1983 (Chemie: barbatic, didymic, thamnolic, rhodocladonic, + 2 unknowns, anal. T. Ahti). EX HERBARIO F. SCHUMM NR.20229.



Cladonia didyma var. *vulcanica*



Cladonia didyma var. *vulcanica*

Cladonia ecmocyna* f. *intermedia (Robbins) J.W. Thomson, The Lichen
Genus *Cladonia* in North America (Toronto): 97 (1968)
= *Cladonia elongata* f. *intermedia* Robbins 1931

[20250], USA., Idaho, Idaho County, near Burgdorf. Leg. M. K. Advaita (5266), 25.04.2007, det. J. C. Lendemer 2008. EX LICHENES OF EASTERN NORTH AMERICA EXSICCATI NR. 338.



Cladonia ecmocyna f. *intermedia*



Cladonia ecmocyna f. *intermedia*

Cladonia friabilis Ahti, Lichenologist 22(3): 261 (1990)

[20231], ISOTYPUS, Brasilien, Bahia, Chapada Diamantina, Serra do Tombador, zwischen Mundo Novo und Morro do Chapeú, 1000 m, auf Erde über Sandstein. Leg. K. Kalb, 18.-20.07.1980, det T. Ahti 1983 (Conidiomata contain red slime. Conidia strongly arcuate, 12-14 x 1 μm ; thamnolic, decarboxythamnolic, unknown, anal. T.Ahti). EX HERBARIO F. SCHUMM NR. 20231.



Cladonia friabilis



Cladonia friabilis

Cladonia fruticulosa Kremp., Verh. Kaiserl.-Königl. zool.-bot. Ges. Wien
30: 331 (1881) [1880]

[20237], Papua New Guinea, Morobe, McAdam National Park between Bulolo and Lae, up water course which supplies lake, secondary forest, tree bark, 800 m, 146°40' E, 7°15' S. Leg. D. J. Hill (no. 12627), 23.12.1965. EX HERBARIUM MUSEUM BRITANNICI (BM); Duplicate of BM000921630.



Cladonia fruticulosa



Cladonia fruticulosa

Cladonia gracilis* subsp. *turbinata (Ach.) Ahti, Ann. Bot. Fenn. 17(2):
212 (1980)
= *Lichen turbinatus* Ach. 1799

[20265}, Sweden, Gästrikland, Bottnian Gulf District, largely undisturbed spruce woodland (*Vaccinio-Pinezum abietis*) between Hagsta and Vittersjö north of Gävle, on sandy loam at an open slope, together with *Cladonia deformis*, *Cladonia furcata*, *Cladonia macilenta*, 30-40 m, SE exposition, gregarious. Leg. G. Follmann, 09.1992, det. G. Follmann-EX G. FOLLMANN: LICHENES EXSICCATI SELECTI AB INSTITUTO BOTANICO UNIVERSITATIS COLONIENSIS EDITI NR. 582.



Cladonia gracilis subsp. *turbinata*



Cladonia gracilis subsp. *turbinata*

Cladonia leporina Fr., Lich. eur. reform. (Lund): 243 (1831)

[20246], USA., Oak woods, south of Raeford, Rt. 401, Hoke Co., N.C.
Leg. Clyde F. Reed (no. 75152), 19.04.1967. EX HERBARIO F. SCHUMM
NR. 20246.



Cladonia leporina



Cladonia leporina

Cladonia macilenta Hoffm., Deutschl. Fl., Zweiter Theil (Erlangen): 126
(1796) [1795]

[20258], Maskarenen, Réunion, Cirque de Cilaos, Aufstieg von der Straße zwischen Thermales und Bras Sec auf den Coteau Kerveguen. In stark gestörtem Primärwald mit *Cyathea glauca* und *Accacia heterophylla*. 1500-1700 m, 21°06'30" S, 55°29'30" E. Leg. K. & A. Kalb (no. 26301), 25.8.1991, det. H. Sipman, 05.2011. EX HERBARIO F. SCHUMM NR.20258.

Cladonia macilenta



Cladonia macilenta



Cladonia mateocyatha Robbins, Rhodora 27: 50 (1925)

[20244], USA., Pennsylvania, Huntington County, Todd Township, Trough Creek State Park, picnic area along Great Trough Creek, 1 mi N of park office, 40°19'07" N, 78°07'36" W, oak woods on slope and seepy rock faces along road. Leg. R. C. Harris (no. 54245), 22.04.2008, det. R. C. Harris. - The New York Botanical Garden. - Ex Herbario F. Schumm Nr.20244.



Cladonia mateocyatha



Cladonia mateocyatha

Cladonia maxima (Asahina) Ahti, Ann. Bot. Fenn. 15(1): 12 (1978)
= *Cladonia gracilis* f. *maxima* Asahina 1971

[20249], Canada, Newfoundland, Island of Newfoundland, Northern Peninsula, Cape Norman, west of Wild Bight, Lat.: 51°37'09" N, Long.: 55°53'57" W. Ordovician limestone/dolostone pavement barrens and cliffs exposed to the sea. On soil in pockets of coastal cliffs. Leg. J. C. Lendemer (no. 11129) and Andy Moroz, 15.08.2007, det. J. C. Lendemer, 2008. EX LICHENS OF EASTERN NORTH AMERICA EXSICCATI NR. 301.



Cladonia maxima



Cladonia maxima

Cladonia medusina (Bory) Nyl., Syn. meth. lich. (Parisiis) 1(2): 217 (1860)
= *Lichen medusinus* Bory 1804

[20255], Maskarenen, Réunion, Cirque de Cilaos, Aufstieg von der Straße zwischen Thermales und Bras Sec auf den Coteau Kerveguen. In stark gestörtem Primärwald mit *Cyathea glauca* und *Accacia heterophylla*. 1500-1700 m, 21°06'30" S, 55°29'30" E. Leg. K. & A. Kalb (no. 26303), 25.8.1991, det.H. Sipman, 05.2011.



Cladonia medusina



Cladonia medusina

Cladonia pachycladodes Vain., in Sandstead, Cladon. Exsicc.: no. 141 (1922)

[20252], USA., North Carolina, Pender County, Holly Shelter Game Land, just E of Shaw Highway (SR 1523) at Lodge Road, 5.3 mi S of NC 53, 34°33'07" N, 77°48'41" W, *Pinus palustris*-*Quercus laevis* dominated sand scrub. Leg. R. C. Harris (no. 47124), 18.03.2003. The New York Botanical Garden. EX HERBARIO F. SCHUMM NR. 20252.



Cladonia pachycladodes



Cladonia pachycladodes

Cladonia peltasta (Ach.) Spreng., Syst. veg., Edn 16 4(1): 271 (1827)
= *Cenomyce peltasta* Ach. 1810

[20260], Maskarenen, Réunion, wenige km S von le Brulé (S von St-Denis). In einem Forst aus *Cryptomeria japonica*. 1000-1050 m. 20°55' S, 55°26' E. Leg. K. & A. Kalb (no. 33637), 14.8.1991, det. H. Sipman, 05.2011.



Cladonia peltasta



Cladonia peltasta

Cladonia peltasta (Ach.) Spreng., Syst. veg., Edn 16 4(1): 271 (1827)
= *Cenomyce peltasta* Ach. 1810

[20259}, Maskarenen, Réunion, Anstieg vom Piton Doré zum Piton Textor, wenige km S von la Plaine-des-Palmistes. In einem *Cryptomeria japonica* Forst. 1300 -1500 m. 21°10' S, 55°38' E. Leg. K. & A. Kalb (no. 33580), 26.8.1991, det. H. Sipman, 05.2011. EX HERBARIO F. SCHUMM NR. 20259.



Cladonia peltasta



Cladonia peltasta

Cladonia petrophila R.C. Harris, Brittonia 44(3): 326 (1992)

[20251], USA., Pennsylvania, Blair County, State Game Lands No 73, Tussey Mountain (summit ridge), SE of PA 164 immediately W of Bedford County line, opposite entrance of Mid. State Trail, Woodbury Township. 1900-2000 ft., Lat.: 40°17'50" N, Long.: 78°15'35" W. Oak (*Quercus*)- hickory (*Carya*) woodland with sparse pine (*Pinus*), an ericaceous understory, and rocky (sandstone) topography. - On boulder. Leg. J. C. Lendemer (no. 11858), & W.R. Buck & R.C. Harris, 22.04.2008, det, J. C. Lendemer, 2008. EX HERBARIUM OF THE NEW YORK BOTANICAL GARDEN (NY); LICHENS OF PENNSYLVANIA.



Cladonia petrophila



Cladonia petrophila

Cladonia peziziformis (With.) J.R. Laundon, Lichenologist 16(3): 223
(1984)
= *Lichen peziziformis* With. 1776

[20238], West Indies, Cuba, Oriente, Cultivated area, seaside slope,
Loma del Gato, Sierra Maestra. Leg. H. A. Imshaug (no. 24918),
13.08.1959. EX HERBARIO F. SCHUMM NR. 2038.



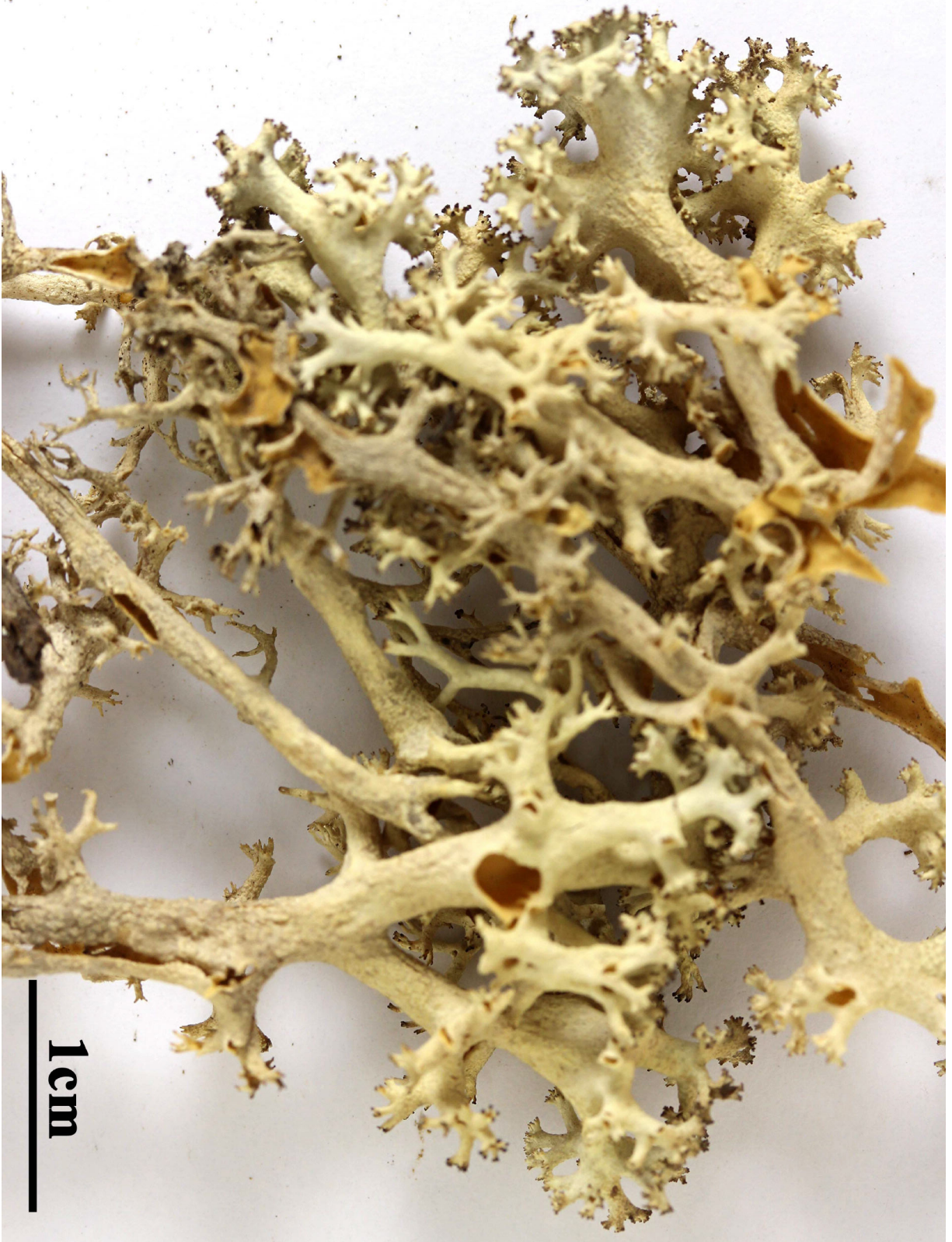
Cladonia peziziformis



Cladonia peziziformis

Cladonia portentosa (Dufour) Coem., Bull. Acad. R. Sci. Belg., Cl. Sci.,
sér. 2 19: 43 (1865)
= *Cenomyce portentosa* Dufour 1821

[20242], Spain, Meseta Castellano-Leonesa, Provincia de León, Cerro Vegas southeast of Ambasaguas, arable land apparently abandoned a long while ago, on even, comparatively moist loamy ground completely covered with different weeds and various Cladoniaceae, especially representatives of the *Cladonia arbusculae* Klem., the species being the most noticeable one about. 900 m., exposition light-dependent, gregarious. Leg et det. G. Follmann & M. Schulz, 08.1973. EX LICHENES EXSICCATI SELECTI AB INSTITUTIO BOTANICO UNIVERSITATIS COLONIENSIS EDITI NR. 543.



Cladonia portentosa



Cladonia portentosa

Cladonia pyxidata (L.) Hoffm., Deutschl. Fl., Zweiter Theil (Erlangen): 121
(1796) [1795]
= *Lichen pyxidatus* L. 1753

[20247]. USA., New York, Greene County, Town of Hunter, Catskill Forest Preserve, Stony Clove Notch on W side of NY 214, just N of Devil's Tombstone Campground. 750 ft., Lat.: 42°10'09" N, Long.: 74°12'00" W, open talus slope with cold air flows at base and birch (Betula) - hemlock (Tsuga) forest in areas. On humus. Leg. J. C. Lendemer (no. 14109), 13.9.2008, det. J. C. Lendemer 2008. EX LICHENS OF EASTERN NORTH AMERICA EXSICCATI NR. 329.



Cladonia pyxidata



Cladonia pyxidata

Cladonia ramulosa (With.) J.R. Laundon, Lichenologist 16(3): 225 (1984)
= *Lichen ramulosus* With. 1776

[20243], Germany, Rheinland-Pfalz, southern Eifel-Mountains, German-Luxemburg Nature Park, Gutland District, Ferschweiler Plateau, original wood-rush beech forest (*Luzulo-Fagetum sylvaticae*), in and around the "Teufelsschlucht", between periodically moistened mosses covering eroded red sandstone rocks as well as beech stumps and trunks, rarely accompanied by little developed representatives of the *Cladinetum mitis*, 300 m, exposition variable, scattere. Leg. et det. G. Follmann, 06.2000. EX LICHENES EXSICCATI SELECTI AB INSTITUTO BOTANICO UNIVERSITATIS COLONIENSIS EDITI NR. 567.



Cladonia ramulosa



Cladonia ramulosa

Cladonia rei Schaer., Lich. helv. spicil. 1: 34 (1823)

[20248], USA., Pennsylvania, Lackawanna County, Moosic Mountain TNC Preserve, Moosic Mountains Barrens, central Moosic Mountains, ca. 2 mi SE of Jessup, E of Olyphant, ca. 2000 ft., Lat.: 41°26'28" N, Long.: 75°32'29" W. Mosaic of scrub oak (*Quercus*) - pitch pine (*Pinus rigida*) barrens with conglomerate/ sandstone bedrock, and open meadows. - On soil. Leg. J. C. Lendemer (no. 12550), 04.07.2008, det. J. C. Lendemer, 2008. EX LICHENES OF EASTERN NORTH AMERICA EXSICCATI NR. 319.



Cladonia rei



Cladonia rei

Cladonia squamosa Hoffm., Deutschl. Fl., Zweiter Theil (Erlangen): 125
(1796) [1795]

[20256], Maskarenen, Réunion, Cirque de Cilaos, Aufstieg von der Straße zwischen Thermales und Bras Sec auf den Coteau Kerveguen. In ±stark gestörtem Primärwald mit *Cyathea glauca* und *Accacia heterophylla*. 1500-1700 m, 21°06'30" S, 55°29'30" E. Leg. K. & A. Kalb (no. 33754), 25.8.1991, det. H. Sipman, 05.2011. EX HERBARIO F. SCHUMM NR.20256.



Cladonia squamosa



Cladonia squamosa

Cladonia squamosa Hoffm., Deutschl. Fl., Zweiter Theil (Erlangen): 125
(1796) [1795]

[202639, Maskarenen, Réunion, Zwischen le Brulé (S von St-Denis) und Plaine des Cnicots. Tropischer Regenwald mit *Nastus borbonicus*, *Accacia heterophylla*, *Cyathea borbonica*, *Philippia montana* etc. 1400-1600 m, 20°57' S, 55°27' E. Leg. K. & A. Kalb (no. 33376), 15.8.1991, det. H. H. Sipman, 05.2011. EX HERBARIO F. SCHUMM NR.20263.



Cladonia squamosa



Cladonia squamosa

Cladonia stipitata Lendemer & B.P. Hodk., *Opuscula Philolichenum* 7: 95 (2009)

[20239], ISOTYPE, USA, North Carolina, Transylvania County, Gorges State Park, southwest face of Grassy Ridge, Snake Rock, 3150-3200 ft., Lat.: 35°45'45" N, Long.: 82°57'25" W. Exposed granitic bald with extensive bryophyte-*Selaginella* cushions, on steep slope, and marginally forested by pitch pine (*Pinus rigida*), oak (*Qzercus*), and sourwood. On granite. Leg. J. C. Lendemer (nr. 7615) & A. Moroz, 16.09.2006, det. J. C. Lendemer, 2009. EX THE NEW YORK BOTANICAL GARDEN.



Cladonia stipitata



Cladonia stipitata

div. *Cladonia* species

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