

Catalog of the Lichens of Mexico

(Revised July 1996)

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This is a (still) preliminary attempt to update Imshaug's 1956 catalog (cited here as "I56", which can later be automatically changed, by a replace command, to the full citation or to a different symbol). There are many problems with how to deal with "forms" and "varieties" used in the older literature but not widely used today.

Accepted names are given in ALL CAPITALS; "accepted" does not necessarily imply that the reports from Mexico are correctly identified, only that the name appears to be a valid one and not a synonym. Names that are given in the literature for Mexico, but not in Esslinger's checklist and not obviously synonyms, are given in small letters and followed by (!), pending further study of the literature and specimens. A few unpublished names are also included, but are placed in brackets ("()").

Plus signs (+) before the names indicate taxa originally described from Mexico, and should perhaps go only with the basionyms; many of the taxa reported since Imshaug's catalogue should also have pluses, but further investigation of the original literature is required. At present this list mainly includes the basionyms and synonyms only for taxa originally described or reported from Mexico under those names. Many of the infraspecific taxa have not been mentioned in recent monographs, and should be dealt with in some suitable way, perhaps as follows: "including var. such-and-such, var. so-and-so, etc." The numerous taxa, for which new combinations are apparently needed, also need to be dealt with better, perhaps by including them in brackets in the appropriate places in the list, as done by Imshaug. The entire list needs to be cross-checked for agreement between the entries for accepted names and the entries for the synonyms.

Many of Bouly de Lesdain's names (including at least those in his first Supplement, and other articles that were mimeographed) may not have been

validly published, unless they were validated later. The type specimens of many of de Lesdain's taxa were apparently lost in World War II; where it is known that syntypes or isotypes do still exist, this should probably be indicated, with the appropriate herbarium acronyms. A list of types (including de Lesdain types) present in US is available at the Smithsonian.

Numerous species new for Mexico are known to us and these will be reported in a paper in preparation with colleagues. For the time being these are designated with a "x" in front of the species (or intraspecific designation). Unpublished records are provisionally included by citations of the collector (and collection number).

The literature list is a separate file at present. The literature citations within this list at this stage are somewhat incomplete, especially for taxa reported in Imshaug's catalogue. Not all of the original publications have been checked, and we do not have access to some of them at present.

The year for "Nylander, 1872" is not very legible on the photocopy used in preparing this; the article is entitled "Mexicanarum Plantarum Enumeratio", starting on p. 1746 of one of the volumes of Nylander's works. Collections reported by Nylander (1872) from "near Orizaba" are treated as being from the State of Veracruz; however, some of them may be from Puebla instead.

González de la Rosa & Guzmán (1976) needs to be cited consistently (with the González part), and needs to be checked again because the photocopy used for this cuts off the edges, so some Mexican states may have been missed.

The page numbers for Nylander (1863) given by Imshaug (1956) are different from those in the version in collected works of Nylander (those pages are cited after "Novo-Granatenses")

The states have not yet been determined for many of the early reports; study of atlases and gazeteers of Mexico, or of particular states, is needed. To complete the picture of the distributions of the "accepted" species, information presently given under the synonyms needs to go under the accepted names.

The abbreviations of the names of the states (explained as follows) are not necessarily the "official" ones, but can be easily replaced by those using the "replace" command on the computer.

BCN = BAJA CALIFORNIA (DEL) NORTE
BCS = BAJA CALIFORNIA SUR
CAMP = CAMPECHE
CHIA = CHIAPAS
CHIH = CHIHUAHUA
COA = COAHUILA
DF = DISTRITO FEDERAL (including Ciudad de Mexico)
DUR = DURANGO
GUA = GUANAJUATO
GUER = GUERRERO
HID = HIDALGO
ISL. DE REV. = REVILLAGIGEDO ISLANDS
JAL = JALISCO
MEX = ESTADO DE MEXICO
MICHO = MICHOACAN
MOR = MORELOS
NAY = NAYARIT
NL = NEUVO LEON
OAX = OAXACA
PUE = PUEBLA
QUER = QUERETARO
QR = QUINTANA ROO
SIN = SINALOA
SLP = SAN LUIS POTOSI
SON = SONORA
TAB = TABASCO
TAM = TAMAULIPAS
TLA = TLAXCALA
VC = VERACRUZ
YUC = YUCATAN
ZAC = ZACATECAS

BSMM = Boletín de la Sociedad Mexicana de Micología; RMM = Revista Mexicana de Micología. These abbreviations, from Guzmán, 1988, will need to be replaced by conventional citations of author and year, once those are determined.

Note: The edition that was released on the Internet in January 1996 had a number of errors due partly to being based on a computer file that turned out to be an older edition; we have attempted to rectify such errors using the hard copy of the last 1988 edition.

CATALOG OF TAXA

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+*Acarospora amabilis* H. Magn. (I56) D.F. (de Lesdain, 1929 nom. nud.; Magnusson, 1929a, 1929b); PUE: Monts de Cuautzin (de Lesdain, 1933); QUER (de Lesdain, 1929; Magnusson, 1929a, with question) = *A. schleicheri* s. l.

+*ACAROSPORA AMERICANA* H. Magn. (I56); DF (de Lesdain, 1929, nom. nud.; Magnusson, 1929a, p. 198)

+*Acarospora brouardi*(!) de Lesd. (I56) QUER (de Lesdain, 1922; Magnusson, 1929a)

Acarospora chlorophana (Walhlenb. ex Ach.) Massal. (I56) BC MICHÓ (de Lesdain, 1914) = *Pleopsidium chlorophanum*, but Mexican records are probably based on misidentifications of *Acarospora* spp.

Acarospora chrysops (Tuck.) H. Magn. (de Lesdain, 1914, 1922; I56) Mt. Carmel (Magnusson, 1929a); DF (de Lesdain, 1929; Magnusson, 1929a); MICHÓ (Magnusson, 1929a), QUER (Magnusson, 1929a), TLAX (Magnusson, 1929a); NAY (de Lesdain, 1933) = *A. schleicheri* s. lato (Weber, 1968, p. 22) Syn.: *A. mexicana*

XACAROSPORA CF. *CHYSOCARDIA* Poelt & M. Steiner BCN (Nash 34050)

ACAROSPORA CITRINA (Taylor) Zahlbr. SON (Herre, 1944; I56)

ACAROSPORA CLAUZADEANA (Llimona) Casares & Hafellner in Hafellner & Casares COAH Syn.: *Biatorella clauzadeana*.

ACAROSPORA COMPLANATA H. Magn. (I56) MEX; MICHÓ (Magnusson, 1929a) Syn.: *A. obscura*

+*Acarospora cratericola*(!) H. Magn. (I56) MEX (de Lesdain, 1929, nom. nud.; Magnusson, 1929a)

Acarospora epilutescens Zahlbr. SON (Herre, 1944a; I56) = *A. schleicheri* sensu lato (Weber, 1968, p. 23)

+*Acarospora extenuata*(!) H. Magn. (I56) MEX (D.F.?): (Pachua, vicinity of Mexico City) (de Lesdain, 1929, nom. nud.; Magnusson, 1929a; Magnusson, 1929b, p. 251)

Acarospora flava (Bell.) Ach. SON (Herre, 1944a; I56) = *Pleopsidium flavum*, but Mexican records are probably based on misidentifications of *Acarospora* ssp.

ACAROSPORA FUSCATA (Nyl.) Arnold BCS (??); DUR (??); SON (Ryan). May be *A. americana*

+*Acarospora mexicana* de Lesd. (I56) MICHO (de Lesdain, 1914), QUER (de Lesdain, 1922) = *A. chrysops* (de Lesdain, 1929)

+*Acarospora moreliana*(!) H. Magn. (I56) MICHO (de Lesdain, 1929, nom. nud.; Magnusson, 1929a, p. 213)

+*Acarospora nicolai*(!) de Lesd. (I56) PUE (de Lesdain, 1914; Magnusson, 1929a)

+ACAROSPORA NIGROMARGINATA de Lesd. (I56) PUE (de Lesdain, 1914) (not mentioned by Magnusson, 1929a)

x**ACAROSPORA NODULOSA** (Dufour) Hue -- V. REAGENS (Zahlbr.) Clauzade & Roux BCN (Ryan 21468)

+*Acarospora obscura* H. Magn. (I56) MEX (de Lesdain, 1929, nom. nud.; Magnusson, 1929a, p. 214) = *A. complanata*

Acarospora oxytona (Ach.) Massal. (I56) MEX (de Lesdain, 1933) = *Pleopsidium flavum*

ACAROSPORA RADICATA H. Magn. (previously listed as a synonym of *A. schleicheri*; has it actually been reported from Mexico?)

+*Acarospora rimosior*(!) H. Magn. (I56) MEX (de Lesdain, 1929, nom. nud. sub *A. rimosicola*; Magnusson, 1929a, p. 370)

ACAROSPORA SCHLEICHERI (Ach.) Massal. s. lato BCN (Weber, 1993; Ryan collections). CHIH (Herre, 1944b; I56). (Also see localities under the "synonyms". Syn. (according to Weber): *A. amabilis*, *A. chrysops*, *A. epilutescens*, *A. mexicana*, *A. subcontigua*, *A. xanthophhana*.

+**ACAROSPORA SOCIALIS** H. Magn. (I56) QUER (de Lesdain, 1929, nom. nud.; Magnusson, 1929a; Magnusson, 1929b, p. 252)

x**ACAROSPORA STRIGATA** (Nyl.) Jatta BCS (Nash); CHIH (Nash); COAH (Nash); DUR (Nash); SON (Ryan).

+*Acarospora subcontigua* H. Magn. (I56) PUE (Magnusson, 1929a, p. 63); MEX: Tenayuca (Magnusson, 1929a); DF (Magnusson, 1929a) -- var. *invadens* H. Magn. PUE (Magnusson, 1929a, p. 64; I56) = *A. schleicheri* s. l.

Acarospora tersa(!) (Fr.) Steiner (I56) MICHO (de Lesdain, 1914), PUE (de Lesdain, 1914), TLAX (de Lesdain, 1914)

+**ACAROSPORA THELOCOCCOIDES** (Nyl.) Zahlbr. (I56) Syn.: *Lecanora thelococcoides*

Acarospora xanthophhana (Nyl.) Jatta (I56) (Magnusson, 1929a reports it from AZ, with ?, but not from Mexico) = *Acarospora schleicheri* s. l. (Weber, 1968, p. 30)

Acarospora sp. (*Phaeothallia*) BCN (Weber, 1993)

ACROSCYPHUS SPHAEROPHOROIDES Lev. (Krempelhuber, 1868; I56)

ACTINOPLACA STRIGULACEA Müll. Arg. in Durand & Pittier Syn.: *Echinoplaca strigulacea*

ADELOCOCCUS ALPESTRIS (Zopf) Theiss. & H. Sydow* BCS (Triebel, et al., 1991)

Alectoria abbreviata (Müll. Arg.) R. Howe = *Nodobryoria abbreviata*

Alectoria bicolor (Ehrh.) Nyl. (Liebmann, 1844; Hemsley, 1886-88) = *Bryoria bicolor*, but probably based on misidentification of *Oropogon* spp. (Brodo & Hawksworth, 1977)

Alectoria divergens (Ach.) PUE/VC: Near Orizaba (Nylander, 1858) = *Cetraria divergens*, but probably = a misidentification of *Oropogon* sp. (*divergens* is

crossed out and replaced by "loxensis" in a handwritten annotation on the copy of the article in the Nylander library)

Alectoria fremontii Tuck. (Williams, 1895; I56) = *Bryoria fremontii*

Alectoria jubata (L.) Ach. (I56) PUE (de Lesdain, 1922) = misidentification of a *Bryoria* sp. -- f. *lanestris* (Ach.) Nyl. (Hue, 1892; Gyelnik, 1935; I56) MEX (Nylander, 1872) = *Bryoria lanestris* -- var. *implexa* (Hoffm.) Ach. BCN (Howe, 1911) = *Bryoria implexa*; misidentification?

Alectoria laeta (Taylor) Lindsay (I56) = misidentifications; an east Asian species excluded from North America by Motyka (1964)

ALECTORIA LATA (Taylor) Lindsay CHIH (Brodo & Hawksworth, 1977), DUR (Brodo & Hawksworth, 1977), GUE (Brodo & Hawksworth, 1977), MEX (Brodo & Hawksworth, 1977), MIC (Brodo & Hawksworth, 1977), OAX (Brodo & Hawksworth, 1977), PUE (de Lesdain, 1929); VC (Brodo & Hawksworth, 1977) Syn.: *A. osteina*, *A. ochroleuca* var. *osteina*

Alectoria loxensis (Fée) Nyl. MICHO (de Lesdain, 1922) = *Oropogon loxensis*

+**ALECTORIA MEXICANA** Brodo & D. Hawksw. CHIH (Nash 36807); OAX (Brodo & Hawksworth, 1977; Nash, 1989, Lich. Exs. 51); VC (Nash 35760)

ALECTORIA OCHROLEUCA (Ehrh.) Nyl. (Hemsley, 1886-88; Hue, 1892; Du Rietz, 1926; Gyelnik, 1935; Davis, 1936; Jorgensen, 1983), JAL (Dávalos & Alvarez, 1987); PUE (de Lesdain, 1914, 1922); PUE/VC: Near Orizaba (Nylander, 1858; Howe, 1911), MEX (Nylander, 1872; Howe, 1911; de Lesdain, 1933; Brodo & Hawksworth, 1977); MICHO (de Lesdain, 1914), PUE (de Lesdain, 1922; Brodo & Hawksworth, 1977); VC (Brodo & Hawksworth, 1977) - - f. +gracilis(!) Krempelh. (Krempelhuber, 1868; I56) -- var. *osteina* Nyl. (Nylander, 1858) = *A. lata* -- var. *rigida* (Fr.) Th. Fr. -- f. *tenuior*(!) Crombie (Gyelnik, 1935; I56)

+*Alectoria osteina* (Nyl.) Nyl. (Nylander, 1867; I56) = *A. lata*

+*Alectoria pacifica* Stizenb. BCN (Stizenberger, 1895; Howe, 1911; I56) = *Pseudophebe pubescens* (?--*Nodobryoria abbreviata*?)

ALECTORIA SARMENTOSA (Ach.) Ach. (probably var. *SARMENTOSA*) (Davis, 1936; I56) OAX (Howe, 1911); PUE/VC: Pico de Orizaba (Howe, 1911)

+*Allarthronia mexicana* de Lesd. (I56) MICH (de Lesdain, 1922) = *Arthonia mexicana*

AMANDINEA PUNCTATA (Hoffm.) Coppins & Scheid. in Scheid. BCN. Syn.:
Buellia punctata, *B. punctiformis*, *B. pullata*

Amphiloma lanuginosa (Ach.) Fr. YUC (Hedrick, 1935) = *Lepraria* or
Leproloma sp.

Anaptychia albociliata (Nyl.) Vainio Chistla (Vainio, 1926), in Cabrestros (Vainio, 1926); VC: near Mirador (Vainio, 1926); = *Heterodermia leucomelos* f. *albociliata*

+*Anaptychia arsenaei* Kurok. MEX: Valley of Mexico (Kurokawa, 1962); PUE (Kurokawa, 1962) = *Heterodermia arsenaei*

Anaptychia barbifera (Nyl.) Trevisan (I56) CHIA (Vainio, 1926; Kurokawa, 1962), PUE/VC: Orizaba ; Kurokawa, 1962); VC (Vainio, 1926) = *Heterodermia barbifera*

Anaptychia casarettiana Massal. CHIA (Kurokawa, 1962, 1973); MICH (Kurokawa, 1962, 1973); TAB (Kurokawa, 1962, 1973); VC (Kurokawa, 1962, 1973) = *Heterodermia casarettiana*

Anaptychia ciliaris (L.) K'rbber (I56) JAL (Herre, 1944b), VC (Herre, 1944b) = misidentification

+*Anaptychia ciliatotmarginata* Linder BCN (Linder, 1934; I56) = *Heterodermia erinacea* (var. *ciliatotmarginata*?)

Anaptychia comosa (Eschw.) Massal. (Tuckerman, 1882; Hue, 1892; Williams, 1895; Davis, 1936; I56); CHIA (Kurokawa, 1962); MICH (de Lesdain, 1914, 1922; Kurokawa, 1962), SON (Herre, 1944a), VC (Lynge, 1924; Herre, 1944b; Kurokawa, 1962) = *Heterodermia galactophylla*

Anaptychia corallophora (Taylor) Vainio CHIA (Kurokawa, 1962) = *Heterodermia corallophora*

Anaptychia cubensis Kurok. PUE/VC: Orizaba (Kurokawa, 1962) = *Heterodermia cubensis*

Anaptychia dendritica (Pers.) Vainio = *Heterodermia dendritica*;
misidentification (strictly Asian species according to Kurokawa, 1973) -- var.

propagulifera Vainio (I56) Trapiche de la Concepcion (Vainio, 1926),
OAX/PUE: Between Chinantla and Mirador (Vainio, 1926) = *Heterodermia propagulifera*

Anaptychia diademata (Taylor) Kurok. -- f. *diademata* (Kurokawa, 1962) =
Heterodermia diademata

Anaptychia dissecta Kurok. -- var. *koyana* Kurok. CHIA (Kurokawa, 1962) =
Heterodermia dissecta var. *koyana*

Anaptychia domingensis (Ach.) Massal. CHIA (Kurokawa, 1962), VC
(Kurokawa, 1962) = *Heterodermia albicans*

Anaptychia echinata (Taylor) Kurok. -- var. *echinata* PUE (Kurokawa, 1962), VC
(Kurokawa, 1962) = *Heterodermia echinata* -- f. *pterocarpa* Kurok. PUE
(Kurokawa, 1962)

Anaptychia erinacea (Ach.) Trevisan (Weber, 1981) BCN (Kurokawa, 1973, p.
586; Nash, et al., 1979) -- f. *erinacea* BCN (Kurokawa, 1962) = *Heterodermia erinacea*

Anaptychia esorediata (Vainio) Du Rietz & Lynge VC (Lynge, 1924) =
Heterodermia diademata v. *esorediata*

Anaptychia flabellata (Fée) Massal. -- var. *flabellata* Totula (Kurokawa, 1962);
CHIA (Kurokawa, 1962) = *Heterodermia flabellata*

Anaptychia galactophylla (Tuck.) Trevisan (I56) MEX (de Lesdain, 1933) =
Heterodermia galactophylla

Anaptychia granulifera (Ach.) Massal. CHIA (Kurokawa, 1962), PUE
(Kurokawa, 1962), VC (Kurokawa, 1962) = *Heterodermia granulifera*

+*Anaptychia hypocrocodes* Vainio PUE (Vainio, 1926) = *Heterodermia leucomelos*

Anaptychia hypoleuca (Muhl.) Massal. (Tuckerman, 1882; Hue, 1892; Williams,
1895; Herre, 1920: "doubtful"; Davis, 1936; Hernandez, et al., 1951; I56); San
Juanico (de Lesdain, 1929); JAL (Herre, 1944b) PUE: Pico de Orizaba (Vainio,
1926), VC (Herre, 1944b) = *Heterodermia hypoleuca* -- var. *sorediifera* (Müll.
Arg.) Vainio (Lynge, 1924); El Desierto (de Lesdain, 1929) = *Heterodermia obscurata*

Anaptychia isidiophora (Nyl.) Vainio CHIA (Kurokawa, 1962), MICH
(Kurokawa, 1962) = *Heterodermia isidiophora*

Anaptychia isidiosa (Kurok.) Kurok. (Kurokawa, 1962, 1973) = *Heterodermia isidiosa*

Anaptychia lamelligera (Taylor) Kurok. MICH (Kurokawa, 1962), OAX
(Kurokawa, 1962) = *Heterodermia lamelligera*

Anaptychia latifolia (Mey. & Flotow) Massal. (I56) = *Heterodermia palpebrata*

Anaptychia leucomela (L.) Massal. (Hernandez, et al., 1951; Herre, 1920; I56) =
Heterodermia leucomelos

Anaptychia leucomelaena auct. (I56) Cabestros and Chinantla (Lynge, 1924);
San Rafael and Pont de la Venta (de Lesdain, 1929); BCS (Dávalos, et al., 1972);
CHIA (Lynge, 1924); COL (Dávalos, et al., 1972); HID (Dávalos, et al., 1972);
JAL (Herre, 1944b); MEX (Dávalos, et al., 1972); MICH (de Lesdain, 1914,
1922; Dávalos, et al., 1972); MOR (Dávalos, et al., 1972); OAX (Welden &
Guzmán, 1978; Wlden, et al., 1979); PUE (de Lesdain, 1914, 1922; Dávalos, et
al., 1972); QUER (Dávalos, et al., 1972); SLP (Dávalos, et al., 1972); VC
(Lynge, 1924; Herre, 1944b; Dávalos, et al., 1972; Welden & Guzmán, 1978) =
Heterodermia leucomelos -- f. *albociliata* (Nyl.) Hue (I56) CHIA (Kurokawa,
1962); OAX (Kurokawa, 1962) Syn.: *A. albociliata* -- var. *angustifolia* (Mey. &
Flotow) Müll. Arg. (I56) -- f. *leucomelaena* San Luis (SLP?) (Kurokawa, 1962);
CHIA (Kurokawa, 1962); MICH (Kurokawa, 1962); OAX (Kurokawa, 1962);
VC (Kurokawa, 1962) -- var. *multifida* (Mey. & Flotow) Vainio (I56) San
Juanico and Los Morales (de Lesdain, 1929); MICH (de Lesdain, 1922), PUE
(de Lesdain, 1922) -- f. *palmiformis* Kurok. CHIA (Kurokawa, 1962); OAX
(Kurokawa, 1962) -- +var. *verrucifera* Kurok. CHIA (Kurokawa, 1962) -- var.
vulgaris Vainio (I56) VC (Vainio, 1926) = *Heterodermia vulgaris*

+*Anaptychia lutescens* Kurok. CHIA (Kurokawa, 1962, 1963) = *Heterodermia*
lutescens

Anaptychia magellanica Zahlbr. -- var. *magellanica* VC? (Kurokawa, 1973--see
map in Fig. 12) = *Heterodermia magellanica* -- var. *pectinata* (Zahlbr.) Kurok. f.
pectinata CHIA (Kurokawa, 1962), MEX (Kurokawa, 1962), VC (Kurokawa,
1962) -- var. *pectinata* f. *subisidiosa* Kurok. CHIA (Kurokawa, 1962) =
Heterodermia subisidiosa

Anaptychia major (Nyl.) Vainio VC (Vainio, 1926), PUE: Pico de Orizaba
(Vainio, 1926) = *Heterodermia diademata*

Anaptychia mexicana de Lesd. DF (de Lesdain, 1933), HID (de Lesdain, 1933),
MOR (de Lesdain, 1933) = *Heterodermia diademata* var. *brachyloba*

Anaptychia neoleucomelaena Kurok. (see Kurokawa, 1961, J. Jap. Bot. 36: 51-56
for localities) -- f. *neoleucomelaena* (Kurokawa, 1962) = *Heterodermia*
leucomelos ssp. *boryi* -- f. *squarrosa* (Vainio) Kurok. (Kurokawa, 1962)

Anaptychia obscurata (Nyl.) Vainio CHIA (Kurokawa, 1962); CHIH (Kurokawa,
1962), VC (Kurokawa, 1962) = *Heterodermia obscurata*

Anaptychia podocarpa (Bel.) Massal. (I56) PUE (de Lesdain, 1922) =
Heterodermia podocarpa, but according to de Lesdain (1933), the report from
PUE by de Lesdain, 1914, was based on *A. galactophylla* (= *Heterodermia*
galactophylla)

Anaptychia polyrhiza Kurok. PUE/VC: Orizaba (Kurokawa, 1962); VC
(Kurokawa, 1962) = *Heterodermia polyrhiza*

Anaptychia pseudospeciosa Kurok. -- var. *pseudospeciosa* f. *pseudospeciosa* JAL
(Kurokawa, 1962) = *Heterodermia pseudospeciosa* -- var. *tremulans* (Muell.
Arg.) Kurok. CHIA (Kurokawa, 1962), OAX (Kurokawa, 1962), VC (Kurokawa,
1962) = *Heterodermia speciosa*

+*Anaptychia rugulosa* Kurok. -- var. *rugulosa* JAL (Kurokawa, 1962); PUE
(Kurokawa, 1962) = *Heterodermia rugulosa* -- +var. *isidiosa* Kurok. MICHO
(Kurokawa, 1962) = *Heterodermia isidiosa*

ANAPTYCHIA SETIFERA Räsänen HID (Coutiño & Mojica, 1982)

Anaptychia sorediifera (Müll. Arg.) Du Rietz & Lynge Totutla (Lynge, 1924);
CHIA (Lynge, 1924); VC (Lynge, 1924) = *Heterodermia obscurata* -- f.
diademata (Taylor) ined. Chinantla (Lynge, 1924)

Anaptychia speciosa (Wulf.) Massal. (I56) El Desierto, San Juanico, (de Lesdain,
1929); BC?: "California" (de Lesdain, 1929); DF (de Lesdain, 1929); PUE/VC:
Orizaba (Lynge, 1924); JAL (Herre, 1944b), PUE (Herre, 1944b), VC (Herre,
1944b) = *Heterodermia speciosa* (according to Kurokawa, 1962, this species
occurs only in Europe) -- f. *saxicola* San Juanico, and Tenayuca (de Lesdain,
1929) DF (de Lesdain, 1929) -- var. *major* (Nyl.) Zahlbr. (I56) = *Heterodermia*

diademata -- var. "major f. isidiosa" (Nyl.) Zahlbr. (I56) (= ? *isidiophora* Nyl.) =
Heterodermia isidiophora -- var. *mexicana* (de Lesd.) Zahlbr. (I56) =
Heterodermia diademata var. *brachyloba* -- var. *mexicana* f. *isidiophora* (de
Lesd.) Zahlbr. (I56) = ? -- var. *esorediata* Vainio (I56) El Desierto (de Lesdain,
1929); Totutla (Vainio, 1926), MEX (de Lesdain, 1929); VC: Mirador (Vainio,
1926) = *Heterodermia diademata* var. *esorediata* -- f. *sorediosa* (Müll. Arg.)
Zahlbr. (I56) VC: Mirador (Vainio, 1926), CHIA (Vainio, 1926) = *Heterodermia*
speciosa f. *sorediosa*

Anaptychia spinigera Kurok. -- var. *pectinata* (Zahlbr.) Kurok. f. *pectinata* CHIA
(Kurokawa, 1962), MEX (Kurokawa, 1962), VC (Kurokawa, 1962) =
Heterodermia spinigera var. *pectinata* f. *pectinata* -- var. *pectinata* f. *subisidiosa*
Kurok. CHIA (Kurokawa, 1962) = *Heterodermia subisidiosa*

Anaptychia squamulosa Degel. CHIA (Kurokawa, 1962), OAX (Kurokawa,
1962), VC (Kurokawa, 1962) = *Heterodermia squamulosa*

Anaptychia subcomosa (Nyl.) Vainio (I56) VC (Vainio, 1926; Kurokawa, 1962)
= *Heterodermia subcomosa* -- f. *isidiophora* Nyl. =? *H. isidiophora*

Anaptychia subisidiosa (Kurok.) Kurok. (Kurokawa, 1973) = *Heterodermia*
subisidiosa

+*Anaptychia trichophoroides* Kurok. No precise locality (Kurokawa, 1962) =
Heterodermia trichophoroides

Anaptychia tropica Kurok. -- var. *tropica* CHIA (Kurokawa, 1962), OAX
(Kurokawa, 1962), VC (Kurokawa, 1962) = *Heterodermia* sp. -- var. *antillarum*
(Vainio) Kurok. CHIA (Kurokawa, 1962), CHIH (Kurokawa, 1962), VC
(Kurokawa, 1962) = *Heterodermia antillarum*

Anaptychia vulgaris (Vainio) Kurok. Vallè (Kurokawa, 1960b, p. 358;
Kurokawa, 1962) = *Heterodermia vulgaris*

Anaptychia wrightii (Tuck.) Zahlbr. (I56) = ? *Heterodermia* sp.

ANISOMERIDIUM ANISOLOBUM (Müll. Arg.) Aptroot BC (Aptroot, in
prep.: Nash 33771)

ANISOMERIDIUM SUBPROSTANS (Nyl.) R. C. Harris BC (Aptroot, in prep.:
Nash 33768, 12611); SIN (Aptroot, in prep.)

Anthracotheicum aurantiacum(!) (Eschw. in Mart.) Müll. Arg. (I56)

ANTHRACOTHECIUM OCHRACEOFLAVUM (Nyl.) Müll. Arg. (Hue, 1892; I56)

Anthracotheicum variolosum(!) (Pers. in Gaud.) Müll. Arg. (Hue, 1892; I56)

ANZIA AMERICANA Yoshimura & Sharp (Yoshimura & Sharp, 1968; Dey, 1978); CHIH (Nash)

(*Anzia*) *taeniata*(!) (Nyl.) ined. (I56) Syn.: *Parmelia taeniata* Nyl.

+*Arthonia abbreviata*(!) Müll. Arg. (I56) CHIA (SE part of the country): Monterrey ("Monterey") (Müller, 1895, p. 144)

Arthonia astroidea Ach. PUE/VC: Near Orizaba (Nylander, 1858)

+*Arthonia brouardi*(!) de Lesd. (I56) MICO (de Lesdain, 1914)

ARTHONIA CINNABARINA (DC.) Wallr. (Hue, 1892; Davis, 1936; I56)
PUE/VC: Near Orizaba (Nylander, 1858) Syn.: *A. tumidula*

+*Arthonia conturbata*(!) Nyl. (Tuckerman, 1872; Hue, 1892; I56) TAM?: Near Tampico (Nylander, 1863, Novo-Granatenses, p. 66)

+*Arthonia distincta*(!) Eckf. (Eckfeldt, 1894, p. 395; I56)

+**ARTHONIA GERHARDII** Egea & Torrente BCN (Egea & Torrente, 1995)

Arthonia impolita (Ehrh.) Borrer BCN (Weber, 1993) = *A. pruinata*

+*Arthonia mesoleuca* Nyl. TAM?: Near Tampico (Nylander, 1863, p. 483 (Novo-Granatenses, p. 69)) = *Arthothelium mesoleucum*

Arthonia mexicana(!) (de Lesd.) ined.? Syn.: *Allarthonia mexicana*

+*Arthonia oxytera*(!) Nyl. (Tuckerman, 1872; Hue, 1892; I56) TAM?: Near Tampico (Nylander, 1863, p. 236 (Novo-Granatenses, p. 70))

+**ARTHONIA PLATYGRAPHIDEA** Nyl. (Tuckerman, 1872; Hue, 1892; I56)
TAM? Near Tampico (Nylander, 1863, p. 483 (Novo-Granatenses, p. 69))

+*ARTHONIA PLATYSPILEA* Nyl. (Tuckerman, 1872; Hue, 1892; I56) TAM?:
Near Tampico (Nylander, 1863, p. 480 (Novo-Granatenses, p. 66))

ARTHONIA PRUINATA (Pers.) A. L. Sm. BCN; BCS (Nash 33865) Syn.: *A. impolita*

ARTHONIA PYRRHULA Nyl. (Davis, 1936; I56)

ARTHONIA RADIATA (Pers.) Ach. BCN (Ryan collection). Syn.: *A. swartziana* -- f. *astroidea*(!) (Ach.) Ach. (I56)

ARTHONIA RAVENELII Willey (Davis, 1936; I56)

ARTHONIA RUBELLA (Fée) Nyl. (Hue, 1892; Hue, 1892; Davis, 1936; I56)
PUE/VC: Near Orizaba (Nylander, 1858)

ARTHONIA SUBRUBELLA Nyl. (Davis, 1936; I56) CHIA: Monterrey (Müller, 1894)

Arthonia? *stigmatidialis*(!) (Müll. Arg.) ined.? Syn.: *Synarthonia stigmatidialis*

Arthonia swartziana Ach. (Davis, 1936; I56) = *A. radiata* (Nimis, 1993)

Arthonia tumidula (Ach.) Ach. = *A. cinnabarina*

+*ARTHONIA VERRUCOSA* Egea & Torrente BCN (Egea & Torrente, 1995)

ARTHOPYRENIA ANALEPTA (Ach.) A. Massal. Syn.: *A. fallax*, *A. lapponina*

Arthopyrenia epidermidis (DC.) Massal. (I56) = *A. punctiformis*

Arthopyrenia epidermidis auct. = *A. padi*

Arthopyrenia fallax (Nyl.) Arnold (I56) = *A. analepta* (Harris, 1995)

ARTHOPYRENIA LYRATA R. C. Harris BC (Aptroot in prep.: Nash 17025);
SIN (Aptroot, in prep.)

+*Arthopyrenia nigrofurfuracea*(!) de Lesd. (I56) MICH0 (de Lesdain, 1914)

**Arthopyrenia papuliformis*(!) (Eckf.) Zahlbr. (I56) Syn.: *Pyrenula papuliformis*

ARTHOPYRENIA PUNCTIFORMIS Massal. (I56) Syn.: *A. epidermidis* (DC.) Massal. BCN (Aptroot, in prep.); BC (Aptroot, in prep.: Nash 33755)

+*Arthothelium azulense*(!) de Lesd. (I56) MICHO (de Lesdain, 1914)

+*Arthothelium dendriticum*(!) de Lesd. (I56) MICHO (de Lesdain, 1914)

Arthothelium mesoleucum(!) (Nyl.) Müll. Arg. (I56) Syn.: *Arthonia mesoleuca*

+*Arthothelium moreliensis*(!) de Lesd. (I56) MICHO (de Lesdain, 1914)

ARTHOTHELIUM TAEDIOSUM (Nyl.) Müll. Arg. (Davis, 1936; I56)

XARTHORRHAPHIS CITRINELLA (Ach.) Poelt PUE (Nash 35640); VC (Nash 35705)

+*Arthrorrhaphis summorum* de Lesd. MOR (de Lesdain, 1933) = *Bacidia summorum*

ASCOCHYTA CANDELARIELLICOLA D. Hawksw. & Kalb* BCN (Hawksworth & Kalb, 1992)

ASPICILIA ALBOMARGINATA de Lesd. Guadalupe (de Lesdain, 1929); D.F. (de Lesdain, 1922, 1929); MICHO (de Lesdain, 1914, 1922) Syn.: *Lecanora albomarginata* (de Lesd.) Zahlbr. non (Nyl.)

Aspicilia alphoplaca (Wahlenb. in Ach.) Poelt & Leuck. BC = *Lobothallia alphoplaca*

ASPICILIA CAESIOCINEREA (Nyl. ex Malbr.) Arnold BC Syn.: *Lecanora caesiocinerea*

ASPICILIA CALCAREA (L.) Mudd BC; PUE (de Lesdain, 1914) Syn.: *Lecanora calcarea*

+*Aspicilia cinereoglauca*(!) de Lesd. MICHO (de Lesdain, 1914) Syn.: *Lecanora cinereoglauca*

+*Aspicilia mexicana*(!) de Lesd. DF (de Lesdain, 1933) Syn.: *Lecanora mexicana*

+*Aspicilia mixcoacensis*(!) de Lesd. MICHO (de Lesdain, 1922) Syn.: *Lecanora mixcoacensis*

+*Aspicilia salazarensis*(!) de Lesd. MEX (de Lesdain, 1933) Syn.: *Lecanora salazarensis*

+*Aspicilia testaceorubra*(!) de Lesd. MICH (de Lesdain, 1914) Syn.: *Lecanora testaceorubra*

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+*Bacidia aeruginosa*(!) (Müll. Arg.) Zahlbr. (I56) Syn.: *Patellaria aeruginosa*

Bacidia albescens (Kremelh.) Zwackh (I56) MICH (de Lesdain, 1914) =
Bacidina phacodes

BACIDIA ALUTACEA (Kremelh.) Zahlbr. (I56)

Bacidia aphiaca (Müll. Arg.) Zahlbr. VC (Sèrusiaux, 1976) = *Bacidina aphiaca*

Bacidia artytoides(!) (Nyl.) Zahlbr. (I56)

Bacidia atrogrisea (Delise ex Hepp) K"rber (I56) = *B. laurocerasi*

BACIDIA BAGLIETTOANA (Massal. & de Not. in Massal.) Jatta Syn.: *B. muscorum*

Bacidia cinerea (Schaerer) Trevisan (I56) = *Micarea cinerea* (Nimis, 1993)

+*Bacidia eckfeldtii*(!) (Müll. Arg.) Zahlbr. (I56) Syn.: *Patellaria eckfeldtii*

Bacidia endoleuca auct. DF (de Lesdain, 1933), MICH (de Lesdain, 1914) = *B. laurocerasi*

+*Bacidia flavosulphurea*(!) (de Lesd.) Zahlbr. (I56) Syn.: *Bilimbia flavosulphurea*

Bacidia fuscorubella (Ach.) Bausch (I56) Q.R. (Hedrick, 1935) = *B. polychroa* --
var. *suffusa* (Fr.) Fink (I56) = *B. suffusa*

Bacidia incompta (Borrer ex Hook.) Anzi (I56) = misidentifications for North America (Ekman, 1995)

BACIDIA LAUROCERASI (Delise ex Duby) Ozenda & Clauz. Syn.: *B. atrogrisea*, *B. endoleuca* auct.

Bacidia luteola "(Ach.) Mudd" (I56) = *B. rubella* -- var. *porriginosa* (Turner)
Olivier (I56)

BACIDIA MEDIALIS (Nyl.) Zahlbr. BCS: (Kalb, 1991, Exs. 476).

Bacidia millegrana(!) (Taylor) Zahlbr. in Wawra & Beck (I56) Alpatlahua
(Vainio, 1926), VC: Mirador (Vainio, 1926), PUE: Pico de Orizaba (Vainio,
1926) - - var. *versicolor*(!) (Muell. Arg.) Zahlbr. (I56) PUE: Pico de Orizaba
(Vainio, 1926) Syn.:

+*Bacidia moreliensis*(!) de Lesd. (I56) MICHO (de Lesdain, 1914)

Bacidia muscorum (Sw.) Mudd (I56) MEX (de Lesdain, 1933) = *B. bagliettoana*

+*Bacidia papantlensis*(!) Vainio (I56) VC (Vainio, 1926)

Bacidia phacodes K"rber Syn.: *Bacidia albescens* = *Bacidina phacodes*, but auct.
N. Am. = *Bacidina californica*

BACIDIA POLYCHROA (Th. Fr.) K"rber

BACIDIA ROSELLA (Pers.) De Not. (I56)

BACIDIA RUBELLA (Hoffm.) Massal. (I56) MICHO (de Lesdain, 1914) Syn.:
B. luteola "(Ach.) Mudd" -- var. *porriginosa* (Turn.) Arnold MICHO (de Lesdain,
1914)

Bacidia rubellula(!) (Nyl.) Zahlbr. (I56)

+*Bacidia rufescens*(!) (Müll. Arg.) Zahlbr. (I56) Syn.: *Patellaria rufescens*

+*Bacidia salazarensis*(!) de Lesd. (I56) MEX (de Lesdain, 1933), DF (de
Lesdain, 1933)

Bacidia stenospora (Hepp) Arnold = *B. beckhausii* (Nimis, 1993) -- var.
obscurior(!) (Th. Fr.) de Lesd. (I56) PUE (de Lesdain, 1914)

Bacidia subluteola(!) (Nyl.) Zahlbr. (I56)

BACIDIA SUFFUSA (Fr.) A. Schneider Syn.: *B. fuscorubella* var. *suffusa*

Bacidia summorum(!) (de Lesd.) Zahlbr. (I56) Syn.: *Arthroraphis summorum*

Bacidia suturalis(!) (Eckf.) Zahlbr. (I56) Syn.: *Biatora suturalis*

+*Bacidia xochitepecensis*(!) de Lesd. (I56) MOR (de Lesdain, 1933)

BACIDINA APHIACA (Müll. Arg.) Vezda Syn.: *Bacidia aphiaca*

BACIDINA CALIFORNICA S. Ekman Syn.: *Bacidia phacodes* auct.

BACIDINA PHACODES (K"rber) Vezda Syn.: *Bacidia albescens*, *B. phacodes*

BACTROSPORA ?

Baeomyces absolutus Tuck. (I56; Thomson, 1967; Brizuela & Guzmán, 1971, p. 79; Guzmán, 1988) **MICHOCAN** (de Lesdain, 1922) = *Diabeis absoluta* -- f.
subsessilis Müll. Arg. (I56; Guzmán, 1988) **HID** (de Lesdain, 1929, p. 224) **JAL** (Dávalos & Alvarez, 1987) **HID** (de Lesdain, 1929; Brizuela & Guzmán, 1971, p. 79), **MEX** (Brizuela & Guzmán, 1971, p. 79); **MICHO** (Brizuela & Guzmán, 1971, p. 79); **OAX** (Welden, et al., 1979) = *Dibaeis absoluta* f. *subsessile*

Baeomyces erythrellus (Mont.) Nyl. **MEX** (Egan) = *Phyllobaeis eyrhrella*

Baeomyces fungoides (Swartz) Ach. (Tuckerman, 1872, 1888; Hue, 1892; I56; Thomson, 1967) = *Dibaeis fungoides*, but N. American records (at least N of Mexico) are based on *Dibaeis baeomyces*

Baeomyces roseus Pers. (Davis, 1936; I56; Brizuela & Guzmán, 1971, p. 80; Guzmán, 1988) = *Dibaeis baeomyces*

Baeomyces rubescens Vainio (I56) VC: Mirador (Vainio, 1926) = *Phyllobaeis rubescens*

BATHELIUM DEGENERANS (Vainio) R. C. Harris (Harris, 1995)

Biatora icterica Mont. (Montagne, 1834, p. 373) = *Psora icterica*

Biatora rufonigra Tuck. (Tuckerman, 1888, p. 11) = *Psorula rufonigra*

+*Biatora suturalis* Eckf. (Eckfeldt, 1804, p. 394) = *Bacidia suturalis*

+*Biatorella amabilis*(!) de Lesd. (I56) El Desierto (de Lesdain, 1933)

Biatorella clauzadeana Llimona & Vezda COAH (Weber & Nash, 1992) = *Acarospora clauzadeana*

BIATORELLA CONSPERSA (Fée) Vainio (Magnusson, 1935; I56) VC:
Mirador (Vainio, 1926)

Biatorella deplanata Almquist (Magnusson, 1935; I56) = *Strangospora deplanata* (Nimis, 1993)

Biatorinopsis lutea (Dickson) Müll. Arg. CHIA: Monterrey (Müller, 1894) =
Dimerella lutea

+*Bilimibia flavosulphurea* de Lesd. MICH0 (de Lesdain, 1914) = *Bacidia flavosulphurea*

Blastenia aurantiaca (Lightf.) MICH0 (de Lesdain, 1914), PUE (de Lesdain, 1914) = *Caloplaca flavorubescens*

Blastenia brebissonii (Fée) Müll. Arg. (I56) = *Caloplaca brebissonii*

Blastenia erythroleucoides (Nyl.) de Lesd. MICH0 (de Lesdain, 1914) =
Caloplaca erythroleucoides

Blastenia ferruginea (Huds.) Massal. MICH0 (de Lesdain, 1914), PUE (de Lesdain, 1914) = *Caloplaca ferruginea* -- +var. *bicolor* de Lesd. MICH0 (de Lesdain, 1914) = *Caloplaca ferruginea* v. *bicolor*

Blastenia flavovirescens (Wulfen) MICH0 (de Lesdain, 1914, 1922) = *Caloplaca flavovirescens*

+*Blastenia moreliensis* de Lesd. (I56) MICH0 (de Lesdain, 1914) = *Caloplaca* sp., but a new name is needed, since there is already a *Caloplaca moreliensis* de Lesd., based on a different type, published 8 pages earlier in de Lesdain's 1914 catalogue!

+*Blastenia ochraceoferruginea* de Lesd. (I56) MICH0 (de Lesdain, 1914) =
Caloplaca ochraceoferruginea

Blastenia subcerina (Nyl.) PUE (de Lesdain, 1914) = *Caloplaca subcerina*

Bombyliospora chloritis (Tuck. in Nyl.) Zahlbr. (I56) VC (Vainio, 1926) =
Megalospora tuberculosa (Sipman, 1983)

Bombyliospora domingensis (Pers.) Zahlbr. in Wawra & Beck. (I56) CAMP
(Hedrick, 1935); Q.R. (Hedrick, 1935); YUC (Hedrick, 1935) = *Letrouitia domingensis* -- var. *inexplicata* (Nyl.) Malme (I56) = *Letrouitia flavidula*

Bombyliospora tuberculosa (Fée) Massal. (I56) -- var. *subversicolor* (Müll. Arg.) Zahlbr. (I56) = *Megalospora tuberculosa* (Sipman, 1983)

Botrydina viridis (Ach.) Redh. & Kuyper = *Omphalina hudsoniana*

BRIGANTIAEA FUSCOLUTEA (Dickson) R. Sant. in Poelt & Vezda Syn.:
Lopadium fuscoluteum

BRIGANTIAEA LEUCOXANTHA (Sprengel) R. Sant. in Poelt & Vezda
Mirador (Hafellner, 1981) Syn.: *Lopodium leucoxanthum*

BRODOA OROARCTICA (Krog) Goward Syn.: *Parmelia encausta* auct. non
(Sm.) Nyl.

Bryoria abbreviata (Müll. Arg.) Brodo & D. Hawksw. BCN (Brodo &
Hawksworth, 1977) Syn.: *Alectoria abbreviata* = *Nodobryoria abbreviata*

BRYORIA FREMONTII (Tuck.) Brodo & D. Hawksw. BCN (Brodo &
Hawksworth, 1977) Syn.: *Alectoria fremontii*

BRYORIA FURCELLATA (Fr.) Brodo & D. Hawks. CHIH (Nash 37281); OAX
(Brodo & Hawksworth, 1977) Syn.: *Alectoria furcellata*

BUELLIA AETHALEA (Ach.) Th. Fr. (I56) DF (de Lesdain, 1922, 1929);
MICHO (de Lesdain, 1914)

+*Buellia amabilis*(!) de Lesd. (I56) PUE (de Lesdain, 1914)

+*Buellia amphorea*(!) Eckf. (Eckfeldt, 1892, p. 250; Davis, 1936; I56)

+*Buellia argillicola* (!)de Lesd. (I56) D.F. (de Lesdain, 1929, p. 243)

+*Buellia arsenii*(!) de Lesd. (de Lesdain, 1910, p. 238; I56) MICHO (de Lesdain,
1914) =? *B. subtabacina* (Imshaug, 1955)

BUELLIA BOLACINA Tuck. (Tuckerman, 1888; I56)

XBUELLIA CAPITIS-REGNUM W. A. Weber BCN (Nash 38274)

+*Buellia cinereocaesia*(!) de Lesd. (Imshaug, 1955: type probably lost; I56)
MICHO (de Lesdain, 1933)

+*Buellia cinereofuscescens*(!) de Lesd. (I56) MICHO (de Lesdain, 1914, 1922)

Buellia cinereoviridula(!) (de Lesd.) Zahlbr. (I56) Syn.: *Diplotomma cinereoviridulum*

+*Buellia conterasii*(!) de Lesd. (I56) DF (de Lesdain, 1933)

BUELLIA DISCIFORMIS (Fr.) Mudd (I56) MICH0 (de Lesdain, 1914), PUE (de Lesdain, 1914) Syn.: *Buellia parasema*. -- f. *microspora*(!) (Vainio) Zahlbr. MEX (de Lesdain, 1929) = ?

BUELLIA DISPERSA Massal. (I56) Guadalupe (de Lesdain, 1929) Syn.: *B. tumida*

Buellia epipolia (Ach.) Moug. (I56) = *Diplotomma epipolum*

+*Buellia fuscoatroides*(!) de Lesd. (de Lesdain, 1933; I56), MICH0 (de Lesdain, 1914)

Buellia glaziouana (Krempelh.) Müll. Arg. = *B. mamillana*

BUELLIA HALONIA (Ach.) Tuck. BCN (Weber, 1993; Nash 34051, 34052; Ryan); BCS

Buellia indissimilis(!) (Nyl.) de Lesd. (I56) MICH0 (de Lesdain, 1914)

Buellia inquilina Tuck.+ (Davis, 1936; I56) = *Dactylospora inquilina*+

+*Buellia jajalpae*(!) de Lesd. (I56) E. Mexico: Jajalpa (de Lesdain, 1933)

+*Buellia jojutlae*(!) de Lesd. (de Lesdain, 1937, p. 284; I56)

x**BUELLIA LACTEOIDEA** de Lesd. BC: (material in ASU?)

BUELLIA LEPIDASTRA (Tuck.) Tuck. (Davis, 1936; I56) QUER (de Lesdain, 1922)

(**BUELLIA CF. LEPIDASTROIDEA** Imshaug. ined.) BCN (Weber, 1993) =? *B. caesiocinerea* B. de Lesd.

Buellia lesdainii Zahlbr. (I56) Syn.: *B. mexicana* de Lesd. non Steiner

BUELLIA MAMILLANA (Tuck.) W. Weber BCS (Nash); CHIH (Nash); SON (Ryan). Syn.: *B. glaziouana*, *B. moreliensis*

Buellia meiosperma(!) (Nyl.) Müll. Arg. (I56) Syn.: *Lecidea meiosperma*

+*Buellia mexicana*(!) Steiner (Steiner, 1911, p. 182; I56) = *Diplotomma mexicana*

+*Buellia mexicana* de Lesd., nom. illegit. MICH0 (de Lesdain, 1914) = *B. lesdainii*

+*Buellia mixcoacensis*(!) de Lesd. (I56) MICH0 (de Lesdain, 1929, p. 242)

Buellia modesta(!) (Krempelh.) Müll. Arg. (Müll. Arg., 1881; Imshaug, 1955; I56)

Buellia montevidensis(!) Malme (Dodge, 1936, with ?; I56)

+*Buellia moreliensis* de Lesd. (I56) MICH0 (de Lesdain, 1914, p. 26) = *B. mamillana*

x*BUELLIA NOVOMEXICANA* de Lesd. BCN (Ryan), CHIH (Nash); SON (Ryan).

BUELLIA OIDALEA (Nyl.) Tuck. BCN (Nash, et al., 1979; Ryan; numerous Nash specimens verif. by Nordin); BCS (Nash, et al., 1979; numerous Nash specimens verif. by Nordin); SON.

+*BUELLIA PANIFORMIS* W. Weber BCN (Weber, 1971, 1993)

Buellia parasema (Ach.) De Not. (Davis, 1936; I56) BCN (Weber, 1993); CAMP (Hedrick, 1935) = *B. disciformis*

Buellia penichra (Tuck.) Hasse BCS (Kalb, 1991, Exs. 481) = *Diplotomma penichrum*

+*Buellia pueblae* de Lesd. (I56) DF (de Lesdain, 1933), HID (de Lesdain, 1933), PUE (de Lesdain, 1933) = *B. retrovertens* -- var. *plana* de Lesd. (I56) San Juanico (de Lesdain, 1933)

Buellia pullata Tuck. BCN (Weber, 1993) = *Amandinea punctata* (but Weber questions that)

Buellia punctata (Hoffm.) Massal. BCN (Weber, 1993) = *Amandinea punctata*

Buellia punctiformis (Hoffm.) Massal. (I56) DF (de Lesdain, 1933), MICH0 (de Lesdain, 1914), PUE (de Lesdain, 1914) = *Amandinea punctata* (Nimis, 1993) -- f. *stigmataea* (Schaerer) Vainio (I56) MICH0 (de Lesdain, 1914, as "K"rber") =? *B. stigmataea* K"rber

BUELLIA RETROVERTENS Tuck. BCN (Ryan), BCS, CHIH (Nash), DUR, SON (Ryan), ZAC. Syn.: *B. pueblae*

BUELLIA SPURIA (Schaerer) Anzi (I56; Weber, 1981--based on misidentification, "possibly a new taxon"); Guadalupe, Lerma, and Tenayuca (de Lesdain, 1929); D.F. (de Lesdain, 1929); BCN (?), CHIH (Nash), HID (de Lesdain, 1929); MICH0 (de Lesdain, 1914), PUE (de Lesdain, 1914), SIN.

+*Buellia squamosa*(!) de Lesd. (I56) DF (de Lesdain, 1933)

BUELLIA STELLULATA (Taylor) Mudd (I56) DF (de Lesdain, 1929); HID (de Lesdain, 1929); MICH0 (de Lesdain, 1914), SON: (Herre, 1944a)

+*Buellia subbathalea*(!) de Lesd. (I56) MICH0 (de Lesdain, 1914; ; Hawksworth & James, 1983)

BUELLIA SUBDISCIFORMIS (Leighton) Vainio (I56) DF (de Lesdain, 1933), MICH0 (de Lesdain, 1914)

+*Buellia subpunctiformis*(!) de Lesd. (I56) MICH0 (de Lesdain, 1914)

x**BUELLIA SUBTABACINA** Malme BCS (Nash) =? *B. cf. novomexicana*

+*Buellia tehuacana*(!) Vainio (I56) PUE (Vainio, 1926)

+*Buellia tenayucae*(!) de Lesd. (I56); MEX (de Lesdain, 1929, p. 240)

+*Buellia tolucae*(!) de Lesd. (I56) MEX (de Lesdain, 1933)

XBUELLIA TRIPHAGMOIDES Anzi BCN (Nash 38315)

Buellia tumida (Massal.) Bagl. (I56) Tlalpan and San Juanico (de Lesdain, 19); DF: Tlalpan (de Lesdain, 19); MICH0 (de Lesdain, 1922 = misidentification according to de Lesdain, 1929), PUE (de Lesdain, 1914), TLAX (de Lesdain, 1914) = *B. dispersa* (Nimis, 1993)

+*Buellia violacea* de Lesd. (I56) MEX (de Lesdain, 1929, p. 243) = not a *Buellia*, but another lichen already described (de Lesdain, 1933)

Buellia wahlenbergii (Ach.) Sheard (I56, not formally proposed as a new combination) = *Catolechia wahlenbergii*

+*Buellia zapotensis*(!) de Lesd. (I56) MICHQ (de Lesdain, 1914), QUER (de Lesdain, 1922)

BULBOTHRIX CORONATA (Fée) Hale (Hale, 1976). BCS: Kalb 24822. SON (Nash 11041; Joyal 2057-b). Syn.: *Parmelia coronata*

BULBOTHRIX GOEBELII (Zenker in Goebel & Kunze) Hale VC (Hale, 1976)
Syn.: *Parmelia goebelii*

BULBOTHRIX ISIDIZA (Nyl.) Hale CHIA (Hale, 1976) Syn.: *Parmelia isidiza*

BULBOTHRIX LAEVIGATULA (Nyl.) Hale VC (Hale, 1976) Syn.: *Parmelia laevigatula*

BULBOTHRIX TABACINA (Montagne & Bosch) Hale CHIA (Hale, 1976), VC (Hale, 1976) Syn.: *Parmelia tabacina*

BULBOTHRIX VENTRICULOSA (Hale & Kurok.) Hale CHIA (Hale, 1976)
Syn.: *Parmelia ventriculosa*

BULLATINA ASPIDOTA (Vainio) Vezda & Poelt Syn.: *Gyalectidium aspidotum*

BYSSOLOMA LEUCOBLEPHARUM (Nyl.) Vainio (I56) Cabrestros (Vainio, 1926)

BYSSOLOMA TRICHOLOMUM (Mont.) Zahlbr. (I56) Q.R. (Hedrick, 1935)

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+*Calenia dispersa* Hedrick Q.R. (Hedrick, 1935, p. 461) = *Mazosia dispersa*

CALICIUM ABIETINUM (Ach.) Pers. -- **V. DENIGRATUM** (Vainio) Zahlbr.
Syn.: *C. curtum* v. *denigratum* Possibly = *C. hyperelloides*?

CALICIUM ADSPERSUM Pers. Syn.: *C. lenticulare* sensu Nadv., but that may not be the sense on which the report was based

CALICIUM CHLOROSPORUM F. Wilson CHIA (Tibell & Kalb, 1992)

Calicium curtum (Schaerer) Turner & Borrer -- var. *denigratum* Vainio (I56)
MICHO (de Lesdain, 1914) = *C. abietinum* v. *denigratum*

CALICIUM GLAUCELLUM Ach. CHIA (Tibell & Kalb, 1992)

CALICIUM HYPERELLOIDES Nyl. CHIA (Tibell & Kalb, 1992)

CALICIUM LENTICULARE (Hoffm.) Ach. (Davis, 1936; I56) CHIA (Tibell & Kalb, 1992) If Davis' report is sensu Nadv., it = *C. adspersum*

Calicium parietinum Ach. ex Schaeerer+ (Davis, 1936; I56) = *Mycocalicium subtile*+

CALICIUM SALICINUM Pers. CHIA: SW of Palenque and other sites (Tibell & Kalb, 1993)

CALICIUM TRICOLOR F. Wilson CHIA (Kalb, 1991, Exs. 481; Tibell & Kalb, 1993)

Calopisma cinnabarinum -- var. *opacum* Müll. Arg. = *Caloplaca cinnabarina*

Calopisma luteoalbum (Krempelhuber, 1876) = *Caloplaca luteoalba*

Calopisma xanthaspis Müll. Arg. CHIA: Monterrey (Müller, 1894) = *Caloplaca xanthaspis*

+*Caloplaca amabilis* de Lesd., nom. illegit. (non Zahlbr., 1908) (de Lesdain, 1929, p. 235; I56) = ?

Caloplaca amabilis (Nyl.) Hasse = *Caloplaca pellodella*.

Caloplaca angelica(!) (de Lesd.) Zahlbr. (I56) Syn.: *Pyrenodesmia angelica*

Caloplaca aphanotripta(!) (Nyl.) Zahlbr. (I56)

+*Caloplaca arboricola*(!) de Lesd. (I56) E. Mexico: Cuecuecuatitla (de Lesdain, 1933)

XCALOPLACA ATROFLAVA (Turner) Mong. BCN (Nash 38514)

+*Caloplaca augustina*(!) (Vainio) Zahlbr. (I56) Syn.: *Placodium augustinum*

Caloplaca aurantiaca (Lightf.) Th. Fr. (I56) = *Caloplaca flavorubescens* (Huds.) Laundon

(*Caloplaca bacillaris* R. Anderson ined.) BCN (Ryan) = *C. wetmorei*

CALOPLACA BOLACINA (Tuck.) Herre (Brizuela & Guzmán, 1971; Guzmán, 1988) BCN: (Arup, 1992; Weber, 1993; Ryan).

Caloplaca bolanderi (Tuck.) H. Magn. BCN (Weber, 1993) = *C. luteominia* v. *bolanderi*

Caloplaca brachyloba(!) (Müll. Arg.) Zahlbr. (I56) Syn.: *Placodium brachylobum*

XCALOPLACA BRATTII W. A. Weber BCN (Nash 38244)

CALOPLACA BREBISSONII (Fée) J. Santesson ex Hafellner & Poelt CHIA?: Monterrey (Hafellner & Poelt, 1979); MOR (Hafellner & Poelt, 1979), MICHO (Hafellner & Poelt, 1979) Syn.: *Blastenia brebissonii* (Fée) Müll. Arg., *Lecidea brebissonii* Fée

Caloplaca brouardi(!) (de Lesd.) Zahlbr. (I56) BCS (Nash 12742); CHIH (Nash 37524); D.F.; MICHO; SON (Ryan; Nash 12426) Syn.: *Placodium brouardi* -- var. *flavida*(!) (de Lesd.) Zahlbr. Syn.: *Placodium brouardi* var. *flavidum*

CALOPLACA CALIFORNICA Zahlbr. BCN (Nash, et al., 1979, as "cf."); Weber, 1993); BCS (Kalb, 1991, Exs. 495) = misidentifications?

x**CALOPLACA CAMPTIDIA** (Tuck.) Zahlbr. COAH (Nash).

CALOPLACA CERINA (Ehrh. ex Hedwig) Th. Fr. BC, NL.-- f. *gilva* (Hoffm.) Th. Fr. Syn.: *Placodium gilvum*, *Caloplaca gilva*.

x**CALOPLACA CHRYSOPHTHALMA** Degel. CHIH (Nash); SON (Nash)

CALOPLACA CINNABARINA (Ach.) Zahlbr. Syn.: *Placodium cinnabarinum* - - var. *opaca* (Müll. Arg.) ined.? (I56) Syn.: *Callopismum cinnabarinum* var. *opacum* Müll. Arg.

CALOPLACA CIRROCHROA (Ach.) Th. Fr. (I56) SON: (Herre, 1944) = misidentification?

CALOPLACA CITRINA (Hoffm.) Th. Fr. (I56) BCN (Ryan); CHIH (Nash); SON (Ryan) Syn.: *Placodium murorum* var. *citrinum* -- f. *erosa* de Lesd. (I56) D.F. (de Lesdain, 1929)

Caloplaca contrerasii(!) (de Lesd.) Zahlbr. (I56) D.F. Syn.: *Placodium contreasii*

+*Caloplaca coralloidea*(!) de Lesd. (non *C. coralloides* (Tuck.) Hult.) (I56) MEX (de Lesdain, 1929)

CALOPLACA CORALLOIDES (Tuck.) Hult. BCN (Arup, 1995; Ryan)

CALOPLACA CROCEA (Krempelh.) Hafellner & Poelt -- ssp. MEXICANA Hafellner & Poelt PUE (Hafellner & Poelt, 1979)

CALOPLACA DECIPIENS (Arnold) Blumb. & Forss. (I56) Syn.: *Physcia decipiens*

xCALOPLACA DIPHASIA (Tuck.) Wetmore BCS (Wetmore, 1994) SIN (Wetmore, 1994).

xCALOPLACA DIPLACIA (Ach.) Riddle ISL. DE REV.: Wetmore (1994). -- var. *phaea* (Tuck. in Nyl.) Zahlbr.

xCALOPLACA DISCOLOR (Willey in Tuck.) Fink BCS (Nash), CHIH (Nash), COAH (Nash), SON (Nash), ZAC (Nash).

Caloplaca dissidens(!) (Nyl.) Mer. (I56)

Caloplaca dissimilis(!) (Malme) Zahlbr. (Dodge, 1936; I56)

Caloplaca elegans (Link) Th. Fr. (I56) = *Xanthoria elegans*

xCALOPLACA EPITHALLINA Lynge BCN (Nash, as "cf.")

Caloplaca epixantha (Ach.) Flagey D.F. (de Lesdain, 1933), PUE (de Lesdain, 1914) = *Candelariella epixantha*

CALOPLACA ERYTHROLEUCOIDES (Nyl.) Zahlbr. (I56) (Hafellner & Poelt, 1979) Syn.: *Blastenia erythroleucoides*

CALOPLACA FERRUGINEA (Huds.) Th. Fr. (I56) -- var. *bicolor* (de Lesd.) Zahlbr. (I56) Syn.: *Blastenia ferruginea* var. *bicolor*

Caloplaca fernandezianum(!) Zahlbr. (I56) ISL. DE REV. (Dodge, 1936)

CALOPLACA FLAVORUBESCENS (Hudson) J. R. Laundon BCN (Ryan)
Syn.: *C. aurantiaca*

CALOPLACA FLAVOVIRESCENS (Wulfen) Dalla Torre & Sarnth. (I56)
CHIH (Nash), COAH, SON. D.F. (de Lesdain, 1929), HID (Nash 38066); OAX
(de Lesdain, 1929)

xCALOPLACA FRAUDANS (Th. Fr.) H. Olivier BC ?

CALOPLACA GALACTOPHYLLA (Tuck.) Zahlbr. BC ("cf."), COAH (Nash),
NL (Nash)

Caloplaca gilva (Hoffm.) Zahlbr. (I56) = *Caloplaca cerina* f. *gilva* (Hoffm.) Th.
Fr.

CALOPLACA HOLOCARPA (Hoffm. ex Ach.) M. Wade BCN (Ryan)
Syn.: *Caloplaca pyracea*.

+*Caloplaca hueana*(!) de Lesd. (I56) D.F. (de Lesdain, 1929), MICHO (de
Lesdain, 1914), QUER (de Lesdain, 1922)

CALOPLACA IGNEA Arup BCN: (Arup, 1995).

CALOPLACA IMPOLITA Arup BCN: (Arup, 1995).

xCALOPLACA INTERMEDIA (de Lesd.) Zahlbr. SON (Ryan)

xCALOPLACA LITORICOLA Brodo BCN: Nash 34588. (A rather extreme
disjunction from the distribution shown by Arup; check identification). Was sent
to Arup.

Caloplaca lobulata (Fl'rke) Hellb. (I56) (BSMM 3: 15, 1979; Guzmán, 1988)
SON: (Herre, 1944a) = *Xanthoria lobulata*

CALOPLACA LUDIFICANS Arup BC: (Arup, 1995).

CALOPLACA LUTEOALBA (Turner) Th. Fr. Syn.: *Candelariella luteoalba*,
Callopismum luteoalbum

CALOPLACA LUTEOMINIA (Tuck.) Zahlbr. -- VAR. LUTEOMINIA BCS:
(Arup, 1993).

Caloplaca malmeana(!) Zahlbr. (Hedrick, 1942; I56); ISL. DE REV. (Dodge, 1936, with ?)

+*Caloplaca mexicana*(!) de Lesd. (I56) D.F.: (de Lesdain, 1929) -- +var. *citrina*(!) de Lesd. (I56) D.F. (de Lesdain, 1929).

Caloplaca mexicana (de Lesd.) Zahlbr. non de Lesd. 1929 (I56) = *Candelina mexicana*

Caloplaca microcarpa(!) (de Lesd.) Zahlbr. (I56) Syn.: *Pyrenodesmia microcarpa*

x*CALOPLACA MICROPHYLLINA* (Tuck.) Hasse CHIH (Nash), SON (Nash)

x*CALOPLACA MODESTA* (Zahlbr.) Fink BCN (Nash), CHIH (Nash), COAH (Nash), DUR (Nash), CHIH (Nash 36103); SON (Nash), ZAC (Nash).

+*Caloplaca montana*(!) de Lesd. (I56) E. Mexico: monts de Cuautzin (de Lesdain, 1933)

+*Caloplaca moreliensis*(!) de Lesd. (I56) Cuecuecuatitla (de Lesdain, 1933), MICHO (de Lesdain, 1914)

Caloplaca murorum (Hoffm.) Th. Fr. (I56) SON (Herre, 1944a) = *Caloplaca saxicola* -- var. *congesta* (Flagey) Zahlbr. -- var. *miniata* (Hoffm.) Th. Fr. -- f. *radiata* (Hue) Zahlbr.

CALOPLACA NEOTROPICA Wetmore BCS (Wetmore 1994).

Caloplaca ochraceoferruginea(!) (de Lesd.) ined.? Syn.: *Blastenia ochraceoferruginea* de Lesd.

CALOPLACA PELODELLA (Nyl.) Hasse (?) Syn.: *Caloplaca amabilis* (Nyl.) Hasse, but that is not the same as the one based on *Placodium amabile*

CALOPLACA POLLINII (Massal.) Jatta BCN (Nash 4693), COAH (Wetmore, 1994), MICHO (Wetmore, 1994).

Caloplaca punctiformis(!) (Vainio) Zahlbr. (I56) Syn.: *Placodium punctiforme* Vainio

Caloplaca pyracea (Ach.) Th. Fr. (I56) San Juanico (de Lesdain, 1929) MEX (de Lesdain, 1929); MICHO (de Lesdain, 1922), PUE (de Lesdain, 1914) = *Caloplaca holocarpa*.

Caloplaca rosulans (Müll. Arg.) de Lesd. PUE (de Lesdain, 1914) = *Candelariella rosulans* -- f. minor de Lesd. PUE (de Lesdain, 1914) = *Candelariella rosulans* f. minor

CALOPLACA ROSEI Hasse BC: (Arup, 1992).

CALOPLACA RUBELLIANA (Ach.) Lojka BCS (Nash), DUR (Nash 13856), SON (Nash 10956).

CALOPLACA SAXICOLA (Hoffm.) Nordin BCN (Weber, 1993) Syn.:
Caloplaca murorum, *Placodium murorum*.

Caloplaca singularis(!) (de Lesd.) Zahlbr. (I56) Syn.: *Placodium singulare*

CALOPLACA SIPEANA H. Magn. BCN (Riefner, et al., 1996)

CALOPLACA SONORAE Wetmore (ined.?) CHIH (Nash 36443 det. Wetmore); SON (Nash 37915, as "C. sonorensis")

CALOPLACA SPALDINGII Zahlbr. (I56) SON: (Herre, 1944a) The holotype is missing from W; according to Wetmore (1994), the isotype in MICH is too small and poorly developed to provide a good concept of the species.

CALOPLACA SQUAMOSA (de Lesd.) Zahlbr. (I56) NL -- var. *tectorum* (de Lesd.) Zahlbr. (I56) Syn.: *Placodium murorum* var. *radiatum* f. *tectorum*

Caloplaca subcerina(!) (Nyl.) Zahlbr. in Skottsberg (I56)

Caloplaca submexicana (de Lesd.) Zahlbr. (I56) = *Candelina submexicana* -- f. *imbricata* (de Lesd.) Zahlbr. (I56) = *Candelina submexicana* f. *imbricata*

x**CALOPLACA SUBNITIDA** (Malme) Zahlbr. BCS (Nash), CHIH (Nash), SON (Nash) = misidentifications of *C. brouardi*?

+**CALOPLACA THAMNODES** Poelt BCN (Poelt & Pelleter, 1984; Ryan)

Caloplaca tolucae(!) (de Lesd.) ined.? (I56) MEX Syn.: *Placodium tolucae*

XCALOPLACA VERRUCOSA Hasse BCN (Nash 38515)

CALOPLACA WETMOREI Nimis, Poelt, & Tretiach BC: (Nimis, et al., 1994); CHIH (Nash 36880); HID (Nash 38067); SON: (Nimis, et al., 1994).

Caloplaca xanthaspis(!) (Müll. Arg.) ined.? (I56) Syn.: *Callopisma xanthaspis*

+*Caloplaca xochitepa*(!) de Lesd. (de Lesdain, 1935, p. 316; I56)

Caloplaca xochitepecensis(!) (de Lesd.) Zahlbr. (I56) Syn.: *Placodium xochitepecensis*

Caloplacopsis submexicana de Lesd. (de Lesdain, 1932 (1922? 1933?)) =
Candelina submexicana

CANDELARIA CONCOLOR (Dickson) B. Stein (I56) VC (Vainio, 1926), BCN (Nash, et al., 1979); BCS, CHIH (Nash); PUE (de Lesdain, 1914) ZAC; SON (Hale, 1979) -- var. *CONCOLOR* (Dávalos, et al., 1972; BSMM 3: 15, 1969; Guzmán, 1988) -- var. *EFFUSA* (Tuck.) G. K. Merrill & Burnh. (I56) (Guzmán, 1988) BCN (Nash 38320); JAL (Dávalos & Alvarez, 1987); CHIH (Nash 36747); COL (Dávalos, et al., 1972); MEX (Dávalos, et al., 1972); HID (Dávalos, et al., 1972); MOR (Dávalos, et al., 1972); N.L. (Dávalos, et al., 1972); D.F. (Dávalos, et al., 1972); SON (Herre, 1944) -- var. *substellata*(!) (Ach.) Vainio (I56) MICHO (de Lesdain, 1922), PUE (de Lesdain, 1914)

CANDELARIA FIBROSA (Fr.) Müll. Arg. CHIH (Nash 37796); JAL (Dávalos & Alvarez, 1987); CHIA (Dávalos, et al., 1972); OAX (Welden & Guzmán, 1979); VC (Dávalos, et al., 1972); SIN

CANDELARIELLA AURELLA (Hoffm.) Zahlbr. (de Lesdain, 1933) BCN (Nash 4708, as "cf."); BCS (Hawksworth & Kalb, 1992)

Candelariella brouardi(!) (de Lesd.) Zahlbr. (I56) Syn.: *Gyalolechia brouardii*

CANDELARIELLA EFFLORESCENS R. C. Harris & Buck VC (Coutiño & Mojica, 1985)

Candelariella epixantha (Ach.) Sandst. (I56) = a *Caloplaca* sp. (source of info.?) (however, *C. epixantha* auct. = *Candelariella aurella*, and the description given by de Lesdain, 1914, fits a *Candelariella*, not a *Caloplaca*)

+*Candelariella lavicola*(!) de Lesd. (I56) E. Mexico: Monts de Cuautzin (de Lesdain, 1933)

Candelariella luteoalba (Turner) Lettau (I56) = *Caloplaca luteoalba*

CANDELARIELLA ROSULANS (Müll. Arg.) Zahlbr. (I56) BCN, CHIH,
COAH, SON (Ryan) -- f. minor (de Lesd.) Zahlbr. (I56) Syn.: *Caloplaca rosulans*
f. minor

Candelariella submexicana (de Lesd.) de Lesd. (I56) = *Candelina submexicana*.

x**CANDELARIELLA TERRIGENA** Räsänen BCN (Nash) = probable
misidentification of *C. rosulans*

x**CANDELARIELLA VITELLINA** (Hoffm.) Müll. Arg.

x**CANDELARIELLA XANTHOSTIGMA** BCN (Nash), CHIH (Nash 36385,
etc.).

CANDELINA MEXICANA (de Lesd.) Poelt MEX: Tenayuca (Poelt, 1974); SLP
(Poelt, 1974) CHIH (37258); DUR, MICHO, SON, ZAC. Syn.: *Placodium*
mexicanum, *Candelariella mexicana*, *Caloplaca mexicana*

CANDELINA SUBMEXICANA (de Lesd.) Poelt (Jorgensen, 1983; Guzmán,
1988). JAL (Dávalos & Alvarez, 1987, p. 219); GUA (Poelt, 1974); NAY (Poelt,
1974); HID (Nash 35881); MEX: Tenayuca (Poelt, 1974); MICHO; PUE (Poelt,
1974); SLP (Poelt, 1974); BCS; CHIH (Nash 36104); COAH; SIN; SON (Hale,
1979; Ryan); ZAC. Syn.: *Candelariella submexicana*, *Placodium submexicanum*,
Caloplaca submexicana, *Caloplacopsis submexicana* -- f. *imbricata*(!) (de Lesd.)
ined. Syn.: *Placodium submexicana* f. *imbricata*

CANOMACULINA MüLLERI (Vainio) Elix & Hale Syn.: *Parmelina muelleri*

x**CANOPARMELIA CARNEOPRUINATA** (Zahlbr.) Elix & Hale VC (Lehto)

CANOPARMELIA CAROLINIANA (Nyl.) Elix & Hale SIN. Syn.: *Parmelia*
carolinana

CANOPARMELIA CROZALSIANA (de Lesd. ex Harm.) Elix & Hale CHIH
(Nash). Syn.: *Parmelia crozalsiana*

CANOPARMELIA TEXANA BCS, CHIH (Nash), HID, SIN, SON, ZAC. Syn.:
Parmelia texana

CARBONEA LATYPIZODES (Nyl.) Knoph & Rambold CHIH (Knoph, et al.,
1991? 1992?); SON (Knoph, et al., 1991? 1992?)

CARBONEA VITELLINARIA (Nyl.) Hertel* BCN (Triebel, et al., 1991)

CATAPYRENIUM ANDICOLA Breuss BC (Breuss & McCune, 1994).

CATAPYRENIUM CHILENSE (Räsänen) Breuss BC (Breuss & McCune, 1994)

CATAPYRENIUM HEPPIOIDES (de Lesd.) J. W. Thomson BC Syn.:
Dermatocarpon heppioides

CATAPYRENIUM LACHNEUM (Ach.) R. Sant. BCN (Thomson, 1987;
Weber, 1993; material in ASU; Ryan 21473). CHIH (Nash 36191); SON
(Thomson, 1987; Ryan 21605, 21663); several southern Mexico States (see Fig.
17 in Thomson, 1987). However, the identifications need checking. Syn.:
Dermatocarpon lachneum, D. rufescens, D. hepaticum

XCATAPYRENIUM PLUMBEUM (de Lesd.) J. W. Thomson CHIH (Nash
36193)

CATAPYRENIUM RADIATUM J. W. Thomson YUC (Thomson, 1989)

CATAPYRENIUM TUCKERMANII (Rav. ex Mont.) J. W. Thomson
(Thomson, 1987) BC; CHIH (Nash 36221) Syn.: Dermatocarpon tuckermanii

CATAPYRENIUM ZAHLBRUCKNERI (Hasse) J. W. Thomson BCN Thomson
(1987). COAH: Thomson (1987). Syn.: Dermatocarpon zahlbruckneri

+Catillaria brouardi(!) de Lesd. (I56) MICHO (de Lesdain, 1914)

Catillaria dichroma (Fée) Vainio VC: Mirador (Vainio, 1926) = Catinaria
versicolor

Catillaria ehrhartiana (Ach.) Th. Fr. (I56) = Cliostomum corrugatum (Nimis,
1993)

Catillaria endochroma(!) (Fée) Zahlbr. in Engler-Prantl (I56)

Catillaria griseonigella(!) (Müll. Arg.) Zahlbr. (I56) Syn.: Patellaria griseonigella

CATILLARIA LEPTOCHEILA (Tuck.) Riddle (I56) Syn.: Lecidea leptocheila

+Catillaria mexicana(!) de Lesd. (I56) PUE (de Lesdain, 1914)

+Catillaria pseudoleptocheila(!) de Lesd. (I56) MICHO (de Lesdain, 1914)

Catillaria sulphurata (Mey. & Flot.) Vainio = *Megalospora sulphurata* -- var. *lecanochella* Vainio VC: Mirador (Vainio, 1926) = *Megalospora sulphurata* var. *lecanocheila*

Catillaria versicolor (Fée) Vainio VC: Mirador (Vainio, 1926) = *Catinaria versicolor*

CATINARIA VERSICOLOR (Fée) Sipman CHIA (Sipman, 1983), MICHÓ (Sipman, 1983), VC (Sipman, 1983) Syn.: *Catillaria versicolor*, *Catillaria dichroma*, *Megalospora dichroma*, *M. versicolor*, *M. carneoroseola*, *M. versicolor* var. *incondita*

CATOLECHIA WAHLENBERGII (Ach.) K'rbber Syn.: *Buellia wahlenbergii*

Cetraria chlorophylla (Willd.) Vainio BCN (Weber, 1993) = *Tuckermannopsis chlorophylla*

Cetraria ciliaris Ach. = *Tuckermannopsis ciliaris*

x*Cetraria coralligera* (W. A. Weber) Hale CHIH. Syn.: "Tuckermannopsis" *coralligera*

Cetraria fendleri (Nyl.) Tuck. (I56) Llano Chico (de Lesdain, 1933), MICHÓ (de Lesdain, 1914) Syn.: "Tuckermannopsis" *fendleri*

Cetraria merrillii Du Rietz (Jorgensen, 1983) = *Kaernefeltia merrillii* (Thell, 1996)

Cetraria pinastri (Scop.) Gray SON (Hale, 1979) = *Vulpicida pinastri*

Cetraria scutata (Wulfen) Poetsch (I56) (Linder, 1934) = *Tuckermannopsis sepincola* (Ehrh.) Hale, but *C. scutata* auct. = *T. chlorophylla*

Cetraria subfendleri(!) Essl. (Esslinger, 1973) = *Tuckermannopsis* s. lato ("Cetraria fendleri group"), which probably does not belong in *Tuckermannopsis* (Thell, 1996)

Cetraria weberi Essl. CHIH (Nash 36323, etc.) = *Tuckermannopsis* s. lato ("C. fendleri group")

Cetrariastrum arsenei (Hale & M. Wirth) Culb. & C. Culb. MICHÓ (Culberson & Culberson, 1981) = *Everniastrum arsenei*

Cetrariastrum cirrhatum (Fr.) Culb. & C. Culb. CHIA (Culberson & Culberson, 1981); DUR (Culberson & Culberson, 1981) = *Everniastrum cirrhatum*

Cetrariastrum lipidiferum (Hale & M. Wirth) Culb. & C. Culb. CHIA (Culberson & Culberson, 1981) = *Everniastrum lipidiferum*

Cetrariastrum mexicanum Egan in Culb. & C. Culb. (Mycotaxon 7: 55, 1978) JAL (Culberson & Culberson, 1981) = *Everniastrum mexicanum*

Cetrariastrum neocirrhatum (Hale & M. Wirth) Culb. & C. Culb. MEX (Culberson & Culberson, 1981), HID (Culberson & Culberson, 1981), MICO (Culberson & Culberson, 1981), OAX (Culberson & Culberson, 1981), SLP (Culberson & Culberson, 1981), SIN (Culberson & Culberson, 1981) = *Everniastrum neocirrhatum*

Cetrariastrum nigrociliatum (de Lesd.) Culb & C. Culb. CHIA (Culberson & Culberson, 1981), GUER (Culberson & Culberson, 1981), HID (Culberson & Culberson, 1981), MICO (Culberson & Culberson, 1981), OAX (Culberson & Culberson, 1981) = *Everniastrum nigrociliatum*

Cetrariastrum pseudonepalense (Hale & M. Wirth) Culb. & C. Culb. DUR (Culberson & Culberson, 1981), MEX (Culberson & Culberson, 1981), GUAN (Culberson & Culberson, 1981), GUER (Culberson & Culberson, 1981), MICO (Culberson & Culberson, 1981), OAX (Culberson & Culberson, 1981), SLP (Culberson & Culberson, 1981), SIN (Culberson & Culberson, 1981), VC (Culberson & Culberson, 1981)

Cetrariastrum sorocheilum (Vainio) Culb. & C. Culb. GUAN (Culberson & Culberson, 1981), MICO (Culberson & Culberson, 1981), VC (Culberson & Culberson, 1981) = *Everniastrum sorocheilum*

Cetrariastrum vexans Zahlbr. ex Culb. & C. Culb. CHIA (Culberson & Culberson, 1981), HID (Culberson & Culberson, 1981), MICO (Culberson & Culberson, 1981), OAX (Culberson & Culberson, 1981), VC (Culberson & Culberson, 1981) = *Everniastrum vexans*

CETRELIA CETRARIOIDES (Delise ex Duby) Culb. & C. Culb. OAX (Culberson & Culberson, 1978) Syn.: *Parmelia cetrariooides* = probably a misidentification (see Culberson & Culberson, 1968, as *Parmelia*?--?? check 1978 article again)

CETRELIA MONACHORUM OAX (Culberson & Culberson, 1978); other states (see map in Culb. & Culb. 1978); TLAX (Lehto)

Cetrelia olivetorum (Nyl.) Culb. & C. Culb. MEX, SIN. Syn.: *Parmelia olivaria* = probably a misidentification (see Culberson & Culberson, 1968)

CHAENOTHECA CHRYSOCEPHALA (Turner ex Ach.) Th. Fr. BCN (Ryan) -- f. *filiaris* (Ach.) Blombg. & Forss. (I56) El Desierto (de Lesdain, 1929)

xCHAENOTHECA FURFURACEA (L.) Tibell COAH Nash 14268

+Chiodecton heterotropoides(!) Nyl. (I56) VC (Nylander, 1872)

Chiodecton rubrocinctum (Ehrenbg. in Nees) Nyl. (Krempelhuber, 1868; I56) = *Cryptothecia rubrocinctum*

Chiodecton sanguineum (Swartz) Vainio (I56) (Dávalos, et al., 1972; BSMM 3: 15, 1969; Guzmán, 1988) JAL (Herre 1944b), VC (Herre, 1944b) = *Cryptothecia rubrocinctum*

CHrysotrix CANDELARIS (L.) J. R. Laundon BCN (Weber, 1993); BCS (Kalb, 1991, Exs. 498; Nash 30482); CHIH (Nash 37259); SIN (Nash 18209, etc.) SON (Nash 33651). Syn.: *Lepraria flava*

xCHrysotrix CHLORINA (Ach.) J. R. Laundon CHIH (Nash 37309); MICHO (Egan), SON (Nash).

CLADIA AGGREGATA (Sw.) Nyl. VC. Syn.: *Cladonia aggregata*

CLADINA CONFUSA (R. Sant.) Follm. & Ahti VC. Syn.: *Cladonia confusa*

CLADINA PYCNOCLADA (Pers.) Leighton -- f. *exalbescens* (Vainio) ined. Syn.: *Cladonia pycnoclada* f. *exalbescens*

CLADINA RANGIFERINA (L.) Nyl. Syn.: *Cladonia rangiferina* -- SSP. *ABBAYESII* (Ahti) Culb. in Vezda Syn.: *Cladonia rangiferina* ssp. *abbayesii*

CLADINA SANDSTEDEI (des Abb.) Ahti Syn.: *Cladonia sandstedei*

CLADONIA ACUMINATA (Ach.) Arn. (Nylander, 1872; Hue, 1892; I56) -- var. NORRLINII (Vainio) Lyngé Syn.: *C. norrlinii*

Cladonia aggregata (Sw.) Ach. (I56) *Yavesia* (Vainio, 1926), *Talea* (Vainio, 1926) PUE/VC: Near Orizaba (Nylander, 1858) = *Cladonia aggregata*

+*Cladonia athelia*(!) Nyl. (I56) PUE/VC: Near Orizaba (Nylander, 1858) The name is not listed by Ahti (1992)

Cladonia bacillaris Nyl. (I56) Dos Puentes (Vainio, 1926, as "Cl. Floerkeana...+Cl. bacillaris") MICHO (de Lesdain, 1933) = *C. macilenta* v. *bacillaris*

Cladonia balfourii Crombie = misidentification? (not found in North America, at least not north of Mexico) -- f. *chlorophaeoides* (Müll. Arg. in Hariot) Evans (I56)

Cladonia borbonica(!) (Del. in Nyl.) Nyl. (I56) Syn.: *Cladonia fimbriata* var. *borbonica*. Note: the name "in common use" (Ahti, 1992) is *C. poeciloclada* Des Abb., but the *C. borbonica* is older (Ahti & Aptroot, 1992).

CLADONIA BRASILIENSIS (Nyl.) Vainio (Vainio, 1894; I56)

Cladonia calycantha Delise ex Nyl. (Vainio, 1894; I56) =? misidentification of *C. rappii*

Cladonia capitata (Michaux) Sprengel = *Cladonia peziziformis* -- f. *imbricatula* Vainio (I56)

CLADONIA CARIBEA Stenroos (Stenroos, 1989)

CLADONIA CARTILAGINEA Müll. Arg. (Davis, 1936; I56) VC: Mirador (Vainio, 1926)

CLADONIA CENOTEA (Ach.) Schaeerer (Thomson, 1967)

CLADONIA CERATOPHYLLA (Sw.) Sprengel (Tuckerman, 1882; Vainio, 1887; Hue, 1892; Herre, 1920; I56) VC (Herre, 1944b) -- var. *meiophylla* Vainio MICHO (de Lesdain, 1929)

CLADONIA CHLOROPHAEA (Fl'rke ex Sommerf.) Sprengel (I56; Ulloa & Hanlin, 1978; BSMM 17: 169, 1982; Guzmán, 1988). *Chinantla* (Vainio, 1926, as "Cl. pyxidata...+Cl. chlorophaea") BCN (Ryan 21430-b; Nash); CHIH (Nash 36223); COAH (Nash 14299); HID (Coutiño & Mojica, 1985); VC (Coutiño & Mojica, 1985) -- f. *costata* (Fl'rke) Arnold (I56) -- f. *pterygota* (Fl'rke) Vainio (I56)

CLADONIA CHONDROTYPA Vainio D.F. (Yoshimura, 1967)

CLADONIA COCCIFERA (L.) Willd. (I56) MEX (de Lesdain, 1933)

Cladonia confusa R. Sant. (I56) = Cladina confusa

CLADONIA CONIOCRAEA auct. (I56) COAH (Nash 14301), HID (Coutiño & Mojica, 1985); PUE (Castorema, 1981); VC (Herre, 1944b) -- f. ceratodes(!) (Fl'rke) Dalla Torre & Sarnth. (I56) -- f. phyllostrota(!) (Fl'rke) Vainio (I56) -- f. subpellucida(!) (Aigr.) Anders (I56)

CLADONIA CORYMBOSULA Nyl. VC (Yoshimura, 1967, 1968b; Pd-material may be undescribed)

CLADONIA CYLINDRICA (A. Evans) A. Evans locality not given (Thomson, 1967)

CLADONIA DACTYLOTA Tuck. (I56) MICHO (de Lesdain, 1929); VC: Mirador (Vainio, 1926)

Cladonia delicata auct. (I56) = C. parasitica

CLADONIA DIDYMA (Fée) Vainio (I56; Thomson, 1967) CHIH (material in ASU; = misidentification of C. floerkeana?); MEX (de Lesdain, 1929, p. 224) -- var. DIDYMA TAM (Sharp 8777, det. Ahti) -- var. muscigena(!) (Eschw. in Mart.) Vainio (I56) Chistla (Vainio, 1926), Consoquitla (Vainio, 1926), Dos Puentes (Vainio, 1926), MICHO (de Lesdain, 1914); VC: Mirador (Vainio, 1926) Syn.: C. muscigena - - var. VULCANICA (Zoll. & Moritzi in Hasskarl) Vainio (I56)

CLADONIA FIMBRIATA (L.) Fr. (Herre, 1920; I56; Yoshimura, 1967) BCN: Nash 14671, CHIH (Nash 36881); COAH: Nash 14300, PUE/VC: Near Orizaba (Nylander, 1858), VC (Herre, 1944b) -- var. borbonica (Del.) Vainio Acopilco (de Lesdain, 1929); El Desierto (de Lesdain, 1933) = C. borbonica -- v. cornutoradiata (Zopf?) Coem. (I56) MICHO (de Lesdain, 1929) = C. subulata -- var. nemoxyna (Ach.) Coem. VC: Mirador (Vainio, 1926) = C. rei -- var. coniocraea (Fl'rke) Vainio f. subpellucida Aigr. D.F. (de Lesdain, 1929) -- v. ochrochlora f. ceratodes El Desierto, (de Lesdain, 1929); D.F. (de Lesdain, 1929); HID (de Lesdain, 1929); MEX (de Lesdain, 1929) -- v. ochrochlora f. phyllostrota Fl'rke El Desierto (de Lesdain, 1929) -- var. prolifera(!) (Retz.) Massal. (I56) Dos Puentes (Vainio, 1926) -- var. simplex(!) (Weis.) Flotow (I56) -- var. simplex(!) f. minor(!) (Hag.) Vainio (I56) Dos Puentes (Vainio, 1926) --

var. *subulata* (L.) Vainio (I56) MICHÓ (de Lesdain, 1914) = *C. subulata* -- f.
"scyphosa, integra (brevipes)" (!) (Krempelhuber, 1868) = ? -- var.
tubaeiformis(!) (Hoffm.) Fr. (I56) SLP (Nylander, 1872)

CLADONIA FLOERKEANA (Fr.) Fl'rke (Hue, 1892; I56) PUE/VC: Near
Orizaba (Nylander, 1858)

Cladonia formosana Asah. (Evans, 1955; Sharp, 1966) -- f. *sublaevigata* Asah.
(I56) = *C. subptyrea* Sandst., may be misidentification (see Ahti & Lai, 1979)

CLADONIA FURCATA (Huds.) Schrader (Hernandez, et al., 1951; I56) CHIA
(Breedlove 51822, det. Sipman), HID (Nash 38001); TAM (Sharp 8792, 8721) --
var. *corymbosa* (Ach.) Nyl. MEX (de Lesdain, 1929); HID (de Lesdain, 1933;
Nash 38071), PUE (de Lesdain, 1914) = var. *racemosa* f. *corymbosa* -- var.
pinnata(!) (Fl'rke in Schleicher) Vainio (I56) -- var. *racemosa*(!) (Hoffm.) Fl'rke
(I56) PUE/VC: Near Orizaba (Nylander, 1858), Monts de Cuautzin (de Lesdain,
1933) -- var. *racemosa*(!) f. *corymbosa*(!) (Ach.) Vainio (I56) -- subsp.
SUBRANGIFORMIS (Scriba ex Sandst.) Pisut Syn.: *C. subrangiformis*

Cladonia gorgonina (for authority name, see Ahti, 1977, Lichenologist 9: 1-15, or
1980, Lichenologist 12: 125-133) = *C. glaucopallida* (Ahti & Aptroot, 1992) --
var. *subrangiferina* (Nyl.) Vainio (I56) El Pelado (Vainio, 1926) = ?

Cladonia gracilescens auct. (Vainio, 1894; I56) = *C. stricta*

Cladonia imbricatula "Nyl. in hb. Hook." PUE/VC: Near Orizaba (Nylander,
1858, nom. nud.) = *C. peziziformis* f. *imbricatula*

Cladonia lepidota auct. (Hue, 1892; I56) SLP (Nylander, 1872) = *C. stricta*

CLADONIA MACILENTA Hoffm. (Krempelhuber, 1868; Hue, 1892; I56)
PUE/VC: Near Orizaba (Nylander, 1858); VC (Coutiño & Mojica, 1985) --
VAR. BACILLARIS (Genth) Sprengel CHIH (Nash 36014) = ?

+*Cladonia mexicana*(!) Vainio (Vainio, 1887, p. 452; I56) The name is not listed
by Ahti (1992).

Cladonia mitrula Tuck. in Darl. (Tuckerman, 1872, 1882; Hue, 1892; Vainio,
1894; Davis, 1936; I56) = *C. peziziformis*

Cladonia muscigena Eschw. in Mart. (Krempelhuber, 1868) = *C. didyma* v.
muscigena

Cladonia nemoxyna (Ach.) Nyl. (I56) = *C. rei*

Cladonia norrlinii Vainio (I56) Monts de Cuatzin (de Lesdain, 1933) = *C. acuminata* var. *norrlinii*

CLADONIA OCHROCHLORA Fl'rke HID (Coutiøo & Mojica, 1982)

CLADONIA PARASITICA (Hoffm.) Hoffm. Syn.: *C. delicata* auct.

CLADONIA PEZIZIFORMIS (With.) Laundon Syn.: *C. mitrula*, *C. capitata*. -- f. *imbricatula* (Vainio) ined. Syn.: *C. capitata* f. *imbricatula*, *C. imbricatula*

Cladonia pityrea (Fl'rke) Schaerer (Herre, 1944; I56; Thomson, 1967) VC
(Herre, 1944b) = *C. ramulosa* -- var. *zwackhii* f. *crassiuscula* (Coem.) Vainio
(I56) PUE (de Lesdain, 1914) -- var. *zwackhii* f. *subacuta* Vainio (I56) MICH
(de Lesdain, 1922), PUE (de Lesdain, 1914) - f. *acuminata* (Ach.) Fl'rke VC
(Nylander, 1872) = *C. acuminata*

CLADONIA PLEUROTA (Fl'rke) Schaerer CHIH (Nash 36369, 36369)

CLADONIA POCILLUM (Ach.) O. Rich Syn.: *C. pyxidata* var. *pocillum*

CLADONIA POLYCARPOIDES Nyl. Syn.: *C. subcariosa* auct.

x**CLADONIA PROTOCETRARICA** BC (Patron 591) The name is not listed by Ahti (1992)

Cladonia pycnoclada (Pers.) Nyl. = *Cladina pycnoclada* -- f. *exalbescens* Vainio
(I56) OAX (Vainio, 1926)

CLADONIA PYXIDATA (L.) Hoffm. (I56) BCN (Weber, 1993; Nash 14718,
29851), CHIH Nash 36622-b (cf.), DUR Nash 31097 (cf.) -- var. *neglecta*(!)
(Fl'rke) Massal. (I56), MEX (de Lesdain, 1933) -- var. *neglecta*(!) f. *simplex*(!)
(Ach. in Schleicher) Harm. (I56) El Desierto and Tenango (de Lesdain, 1929) --
var. *pocillum* (Ach.) Flotow (I56) Los Morales (de Lesdain, 1929); D.F. (de
Lesdain, 1929); PUE/VC: Near Orizaba (Nylander, 1858), PUE (de Lesdain,
1914, 1922) = *C. pocillum* -- var. *chlorophaea* (Fl'rke) Vainio D.F. (de Lesdain,
1929) MICH (de Lesdain, 1914, 1922), PUE (de Lesdain, 1914) = *C.*
chlorophaea -- v. *chlorophaea* f. *costata* (Fl'rke) Harm. El Desierto (de Lesdain,
1929) v. *chlorophaea* f. *staphylea* (Ach.) Harm. (I56) Contadero (de Lesdain,
1929) MEX (de Lesdain, 1929)

CLADONIA RAMULOSA (With.) Laundon Syn.: *C. pityrea* -- var. *zwackhii*(!) f. *crassiuscula*(!) (Coem.) ined.? Syn.: *C. pityrea* var. *zwackhii* f. *crassiuscula* -- var. *zwackhii*(!) f. *subacuta*(!) (Vainio) ined.? Syn.: *C. pityrea* var. *zwackhii* f. *subacuta*

Cladonia rangiferina (L.) Wigg. (Eckfeldt, 1893; I56; Guzmán, 1988) PUE/VC: Near Orizaba (Nylander, 1858) = *Cladina rangiferina* -- ssp. *abbayesii* Ahti VC: La Joya (Yoshimura, 1967) = *Cladina rangiferina* ssp. *abbayesii*

CLADONIA RAPPII A. Evans Syn.: *C. calycantha* auct.

CLADONIA REI Schaeerer Syn.: *C. nemoxyina*, *C. fimbriata* v. *nemoxyina*

Cladonia sandstedei des Abb. (Evans, 1955; I56) = *Cladina sandstedei*

CLADONIA SQUAMOSA (Scop.) Harm. (Herre, 1920; I56) PUE/VC: Near Orizaba (Nylander, 1858); VC (Coutiño & Mojica, 1985) -- var. **SUBSQUAMOSA** (Nyl. ex Leighton) Vainio Syn.: *C. subsquamosa*

CLADONIA STREPSILIS (Ach.) Vainio (I56); (Vainio, 1894) MEX (de Lesdain, 1929)

CLADONIA STRICTA (Nyl.) Nyl. Syn.: *C. gracilescens* auct., *C. lepidota* auct.

Cladonia subcariosa auct. (I56) DF (de Lesdain, 1929) = *C. polycarpoides* Nyl.

CLADONIA SUBPITYREA Sandst. (Yoshimura & Sharp, 1968) (Yoshimura, 1968-- southern part of country; see map in Fig. 5) Syn.: *C. formosana*, *C. formosana* f. *sublaevigata*

Cladonia subrangiformis Scriba ex Sandst. (Thomson, 1967) = *C. furcata* subsp. *subrangiformis*

Cladonia subsquamosa (Nyl. ex Leighton) Vainio (I56) MICH (de Lesdain, 1914); VC (Coutiño & Mojica, 1985) = *C. squamosa* var. *subsquamosa*

CLADONIA SUBULATA (L.) Weber ex Wigg. Syn.: *C. fimbriata* var. *subulata*

CLATHROPORINA MASTOIDEA (Ach.) R. C. Harris Syn.: *Porina mastoidea*

CLATHROPORINA TETRACERAE (ACh.) R. C. Harris Syn.: *Porina tetraceriae*

CLIOSTOMUM CORRUGATUM (Ach.) Fr. Syn.: *Catillaria erhartiana*

CLIOSTOMUM GRIFFITHII (Sm.) Coppins BCN (Kalb, 199 , Exs. 500)

Coccocarpia cronia (Tuck.) Vainio (I56) -- var. *isidiophylla* (Müll. Arg.) Vainio (I56) = *Coccocarpia palmicola*

COCCOCARPIA ERYTHROXYLI (Sprengel) Swinscow & Krog (Arvidsson, 1982--see map). CHIH (Nash), SIN, SON Syn.: *C. pellita* var. *incisa*, *C. pellita* var. *parmelioides*, *C. erythroxyli*

Coccocarpia molybdaea Pers. in Gaud. (Krempelhuber, 1876; I56) PUE/VC: near Orizaba (Nylander, 1858) = *C. erythroxyli*

COCCOCARPIA PALMICOLA (Sprengel) Arvidsson & D. Galloway (Arvidsson, 1982-- see map). BCS; COAH; MICH; SIN; SON (Ryan); TAM. Syn.: *C. cronia* -- var. *isidiophylla*(!) (Müll. Arg.) ined.? Syn.: *C. pellita* var. *isidiophylla*, *C. cronia* var. *isidiophylla*

x**COCCOCARPIA PELLITA** (Ach.) Müll. Arg. emend. R. Sant. VC: Arvidsson (1982). -- var. *incisa* Pers. (I56) = *C. erythroxyli* -- var. *parmelioides* (Hook.) Tuck. ex Curtis (I56) Cabrestos (Vainio, 1926); YUC (Hedrick, 1935) = *C. erythroxyli* -- var. *smaragdina* (Pers. in Gaud.) Müll. Arg. (I56) VC: Mirador (Vainio, 1926), PUE: Pico de Orizaba (Vainio, 1926) = *C. smaragdina*, but Mexican records are misidentifications (see "incorrect records" in Arvidsson, 1982) -- +var. *isidiophylla* Müll. Arg. (Müller, 1882, p. 321) = *C. palmicola*

Coccocarpia smaragdina Pers. in Gaud. (Krempelhuber, 1868) = misidentification

x**COCCOCARPIA STELLATA** Tuck. SIN: Nash 12158

x**COCCOTREMA POCILLIARUM** (Cummings) Brodo BC (?) Syn.: *Ochrolechia pacifica*

+*Coccotrema sphaerophorum* Vainio (I56) VC: Mirador (Vainio, 1926), OAX?: Cumbre de Sempoaltepec (Vainio, 1926), PUE (Vainio, 1926)

COENOGONIUM BOTRYOSUM (Uyenco, 1963)

+*Coenogonium confervoides*(!) Nyl. (Hue, 1892; I56) PUE/VC: Near Orizaba (Nylander, 1858)

COENOGONIUM INTERPOSITUM Nyl. (Davis, 1936; I56)

Coenogonium leprieurii(!) (Mont.) Nyl. (I56) (Zahlbruckner, 1912) Q.R.
(Hedrick, 1935), YUC (Hedrick, 1935)

COENOGONIUM LINKII Ehrenb. in Nees (Krempelhuber, 1868; Tuckerman, 1872, 1882; I56; BSMM 19: 250, 1984; Guzmán, 1983, Fig. 34; Guzmán, 1988)
VC (Vainio, 1926)

Coenogonium subvirescens(!) (Nyl.) Nyl. (I56) Chinantla (Vainio, 1926), Chistla (Vainio, 1926)

Collema aggregatum (Ach.) R"hl. (I56) MICHÓ (de Lesdain, 1914), SON (Herre, 1944a) =? *C. polycarpum* (see Degelius, 1954)

Collema byssinum Ach. (Krempelhuber, 1876) = *Leptogium byssinum*

COLLEMA CALLIBOTRYS Tuck. -- var. **COCCOPHYLLIZUM** (Zahlbr.)
Degel. Syn.: *C. coccophylloides*

Collema chloromelum Ach. = *Leptogium chloromelum* -- var. *subruginosum* near Borrejo (Nylander, 1858) = *Leptogium chloromelum* var. *subruginosum*

COLLEMA COCCOPHORUM Tuck. BCN (Degelius, 1974; Weber, 1993) Nash 34238, 4728, 4681. BCS: Nash 29582.

Collema coccophylloides Hepp in Müll. Arg. (I56) PUE (de Lesdain, 1914) = *C. callibotrys* var. *coccophyllizum*

COLLEMA CONGLOMERATUM Hoffm. -- var. **CORYNESPORUM** (Malme) Degel. MICHÓ (Degelius, 1974); NL (Degelius, 1974), OAX (Degelius, 1974); PUE: (Degelius, 1974); SLP (Degelius, 1974) -- var. **CRASSIUSCULUM** Dodge
Syn.: *C. pycnocarpum*

COLLEMA CRISTATUM (L.) Wigg. -- var. **CRISTATUM** OAX (Degelius, 1974)

COLLEMA FASCICULARE (L.) Wigg. -- var. **FASCICULARE** MICHÓ (Degelius, 1974)

COLLEMA FRAGRANS (Sm.) Ach. emend. Degel. -- var. **MEXICANUM** (de Lesd.) Degel. PUE (Degelius, 1974) Syn.: *C. mexicanum*

COLLEMA FURFURACEUM (Arnold) Du Rietz BCN -- var.
FURFURACEUM BCN (Degelius, 1974); OAX (Degelius, 1974) -- var.
LUZONENSE (Räsänen) Degel. CHIA (Degelius, 1974)

+**COLLEMA GLAUCOPHTHALMUM** Nyl. (Nylander, 1863a,b; Tuckerman, 1882; Hue, 1892; Williams, 1895; I56) MICO (de Lesdain, 1922) OAX (Degelius, 1974); PUE/VC: Near Orizabo (Nylander, 1958) -- var.
IMPLICATUM (Nyl.) Degel. CHIA (Degelius, 1974); MICO (Degelius, 1974); VC (Degelius, 1974) Syn.: *C. implicatum*

Collema implicatum Nyl. (Nylander, 1863a,b; Tuckerman, 1872, 1882; Hue, 1892; Williams, 1895; I56) = *C. glaucophthalmum* v. *implicatum*

COLLEMA LEPTALEUM Tuck. -- var. **LEPTALEUM** CHIA (Degelius, 1974); VC (Degelius, 1974)

Collema leucopeplum (Tuck.) A. Schneider (I56) CHIA (Vainio, 1926), VC (Vainio, 1926) = *C. pulcellum* var. *leucopeplum*

+*Collema mexicanum* de Lesd. (I56) PUE (de Lesdain, 1914) = *C. fragrans* var. *mexicanum*

COLLEMA NIGRESCENS (Huds.) DC. (I56) VC: Mirador (Vainio, 1926), YUC (Hedrick?, 19) Syn.: *C. vespertilio*, *Synechoblastus nigrescens*

COLLEMA POLYCARPUM Hoffm. BC (); COAH: Nash 14251, 6690. CHIH: Nash 36224. -- var. **POLYCARPUM** QUER (Degelius, 1974)

COLLEMA PULCELLUM Ach. Syn.: *Leptogium pulchellum* -- var. **LEUCOPEPLUM** (Tuck.) Degel. TAM (Degelius, 1974) Syn.: *Collema leucopelum*

COLLEMA PUSTULATUM Ach. NL (Degelius, 1974)

Collema pycnocarpum Nyl. (Davis, 1936; I56) PUE (de Lesdain, 1914) = *C. conglomeratum* var. *crassiusculum* (Malme) Dodge

COLLEMA SUBFLACCIDUM Degel. OAX (Degelius, 1974)

x**COLLEMA SUBFURVUM** Degel. COAH (Nash 6788)

COLLEMA TEXANUM Tuck. (I56) DF (de Lesdain, 1922), SON (Herre, 1944a; Nash 37957) -- var. **TEXANUM** NL (Degelius, 1974), JAL (Degelius, 1974), HID (Degelius, 1974), OAX (Degelius, 1974)

+*Collema turgidulum*(!) (Müll. Arg.) Zahlbr. PUE/VC: Orizaba (I56; Degelius, 1974: "dubious species") Syn.: *Synechoblastus turgidulus*

Collema vespertilio (Lightf.) Hoffm. (I56) CHIA (Vainio, 1926) = *C. nigrescens*

Combea californica (Th. Fr.) Follm. & Geyer BCN (Nash, 1992, Lich. Exs. 59) = *Schizopelte californica*

Coniosporium lecanorae Jaap+ MICH0 (de Lesdain, 1914)

Coniothyrum ramalinae Vouaux+ PUE (de Lesdain, 1914)

Cora pavonia (Swartz) Fr. (Herre, 1920; I56; Parmastro, 1978) D.F. (Dávalos, et al., 1972). HID (Dávalos, et al., 1972), MEX ((de Lesdain, 1929); Dávalos, et al., 1972; Guzmán, 1972), MICH0 (Dávalos, et al., 1972), MOR (Dávalos, et al., 1972), OAX (Dávalos, et al., 1972; Guzmán, 1978), PUE (de Lesdain, 1929 (according to Dávalos & Alvarez, 1987, but Rio Frio is in MEX according to de Lesdain, 1929, p. 219); Dávalos, et al., 1972), SLP (Dávalos, et al., 1972), VC (Dávalos, et al., 1972; Guzmán & Villarreal, 1984; Guzmán, 1978), = *Dictyonema glabratum*

Coriscum viride (Ach.) Vainio (Yoshimura & Sharp, 1967) = *Omphalina hudsoniana*

Cornicularia divergens Ach. (Nylander, 1858; Hue, 1892; I56) = *Bryocaulon divergens*, but probably misidentifications

CRESPONEA LEPRIEURII (Mont.) Egea & Torrente JAL Egea & Torrente (1993) NL Egea & Torrente (1993) SLP Egea & Torrente (1993). VC (Egea & Torrente, 1993) Syn.: *Lecanactis lividula* Vainio, L. insignior.

Crocynia lanuginosa Ach. (Hedrick, 1935; I56) = *Lepraria* sp.

+*Crocynia mexicana* Hue (Hue, 1924 (?--but Imshaug also cited de Lesdain, 1914); I56) San Juanico (de Lesdain, 1929) = ?

CRYPTOTHECIA RUBROCINCTUM (Ehrenb.: Fr.) Thor VC (Thor, 1991) Syn.: *Chiodecton rubrocinctum*, *C. sanguineum*

CYCLOGRAPHINA PRUINOSA (Eschw. in Mart.) Awasthi VC: Tampico
(Awasthi & Joshi, 1979) Syn.: *Helminthocarpon pruinatum*

CYPHELIUM BRUNNEUM W. A. Weber BCN (Weber, 1967; Nash 4876)

xCYPHELIUM LUCIDUM (Th. Fr.) Th. Fr. DUR: Nash 13918.

Cyphelium sancti-jacobi (Tuck.) Zahlbr. (I56) = *Texosporium sancti-jacobi*

xCYPHELIUM TIGILLARE (Ach.) Ach. CHIH Nash 31296, 36567 SON Nash
11014

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DACTYLINA MADREPORIFORMIS (Wulff in Jacq.) Tuck. (Williams, 1895;
I56)

DACTYLOSPORA INQUILINA (Tuck.) Hafellner+ Syn.: *Buellia inquilina*

DACTYLOSPORA LOBARIELLA (Nyl.) Hafellner Patzenaro (Hafellner,
1979); MICH (Hafellner, 1979) Syn.: *Karschia ricasoliae*

DENDROGRAPHA LEUCOPHAEA (Tuck.) Darbish. (Darbishire, 1895; I56;
Weber, 1981) BCN (Darbishire, 1935; Weber, Lich. Exs. 83; Nash, et al., 1979;
Weber, 1993; Nash, 1995, Lich. Exs. 155; Sipman, 1993, Lich. Exs. 66; Ryan);
BCS (Nash, et al., 1979) SON (Herre, 1944a) -- F. MINOR (Darbish.) Sundin &
Tehler BCN (Sundin & Tehler, 1996) Syn.: *D. minor*

Dendrographa minor Darbish. BCN (Nash, 1989, Lich. Exs. 61; Weber, 1993;
Nash, 1995, Lich. Exs. 156; Nash 34059) = *D. leucophaea* f. *minor* (Sundin &
Tehler, 1996)

Dermatina "pyrenocarpa" (Nyl.) Zahlbr. (I56) = *Mycoporom compositum*

+*Dermatocarpon americanum*(!) Vainio (I56) VC: Mirador (Vainio, 1926).

Dermatocarpon fluviatile (G. Web.) Th. Fr. (I56) = *D. luridum*

Dermatocarpon hepaticum (Ach.) Th. Fr. (I56) Guadalupe (de Lesdain, 1929);
MICH (de Lesdain, 1922), SON (Herre, 1944a) Syn.: *Endocarpon hepaticum* =
Catapyrenium cinereum (if "true") or *C. squamulosum* (if "auct.")

Dermatocarpon lachneum (Ach.) A. L. Smith = *Catapyrenium lachneum*

DERMATOCARPON LURIDUM (With.) Laundon Syn.: *Dermatocarpon fluviatile*, *Endocarpon fluviatile*

+*Dermatocarpon mexicanum*(!) Vainio (I56) Huetapalco (Vainio, 1926)

DERMATOCARPON MINIATUM (L.) Mann (I56) (Brizuela & Guzmán, 1971; Guzmán, 1988) Guadalupe (de Lesdain, 1929); BC Nash 8777. BCN (Weber, 1993); BCS: Nash 30412, 29753, etc. CHIH: Nash 31206, etc. COAH: Nash 6731. D.F. (de Lesdain, 1929); DUR: Nash 13883. HID (Nash 38076, as cf.); MEX (de Lesdain, 1922, 1929), MICHÓ (de Lesdain, 1922), QUER (de Lesdain, 1922), SIN: Nash 12238. SON (Herre, 1944a; I56; Ryan) ZAC: Nash 14035. Syn.: *Endocarpon miniatum* -- var. *canum* (Krempelh. in Rabenh.) Dalle Torre & Sarnth. (I56) Penon de los Banos (de Lesdain, 1929) Syn.: *Endocarpon miniatum* v. *canum* -- var. *COMPLICATUM* (Lightf.) Hellb. (I56) MICHÓ (de Lesdain, 1922) -- var. *muehlenbergii* (Ach.) Müll. Arg. MICHÓ (de Lesdain, 1922) = *D. muehlenbergii*

DERMATOCARPON MOULINSII (Mont.) Zahlbr. (I56) (Brizuela & Guzmán, 1971; Guzmán, 1988) CHIH (Nash 36227) Syn.: *Endocarpon moulinsii*

Dermatocarpon muehlenbergii(!) (Ach.) Müll. Arg. (I56) Syn.: *Dermatocarpon miniatum* var. *muehlenbergii*

Dermatocarpon pallidum (Ach.) Krempelh. MICHÓ (de Lesdain, 1914) = *Endocarpon pallidum*

Dermatocarpon rufescens (Ach.) Th. Fr. (I56) SON (Herre, 1944a) = *Catapyrenium lachneum*

Dermatocarpon tuckermanii (Rav. ex Mont.) Zahlbr. (I56) = *Catapyrenium tuckermanii*

Desmaziera cephalota (Tuck.) Follm. & Huneck = *Niebla cephalota* (= *Vermacilinia cephalota*)

Desmaziera ceruchis (Ach.) Trevisan = *Niebla ceruchis* (= *Vermacilinia ceruchis*)

Desmaziera combeoides (Nyl.) Follm. & Huneck = *Niebla combeoides*

Desmaziera homalea (Ach.) Mont. = *Niebla homalea*

Desmaziera josecuervoi Rundel & Bowler BCN (Rundel, et al., 1972) = *Niebla josecuervoi*

Desmaziera pulchribarbara Rundel & Bowler BCN (Rundel, et al., 1972) =
Niebla pulchribarbara

DIBAEIS ABSOLUTA (Tuck.) Kalb. & Gierl in Gierl & Kalb CHIA (Gierl & Kalb, 1993; Breedlove 68875), MICH (Gierl & Kalb, 1993) Syn.: *Baeomyces absolutus* -- f. *subsessilis* (Müll. Arg.) ined. Syn.: *B. absolutus* f. *subsessilis*

DIBAEIS BAEOMYCES (L. fil.) Rambold & Hertel in Rambold, Triebel & Hertel Syn.: *Baeomyces roseus*, *B. fungoides* auct. N. Am.

DIBAEIS FUNGOIDES (Sw.) Kalb & Gierl PUE (Gierl & Kalb, 1993); SIN (as *Baeomyces fungoides*?)--Nash notes on printout.

DICTYONEMA GLABRATUM (Sprengel) D. Hawksw. CHIH, HID, MICH, MOR, OAX, PUE, SLP, VC, MEX, D.F. Syn.: *D. pavonium*, *Cora pavonia*

Dictyonema pavonium (Swartz) Parm. (Guzmán, 1988) JAL (Dávalos & Alvarez, 1987, p. 220) = *D. glabratum*

DICTYONEMA SERICEUM (Swartz) Berk. (I56)

Didymella sphinctrinoides (Zw.) Sacc.* MICH (de Lesdain, 1922) = -- v. *lesdainii* Keissler MICH (de Lesdain, 1929, nom. nud.) =

Didymosphaeria bryonthae+ -- var. *stellulatae* Vouaux+ PUE (de Lesdain, 1914)

Dimelaena angelica (Stizenb.) Hale & Culb. = *Mobergia angelica*

DIMELAENA CALIFORNICA (H. Magn.) Sheard (Sheard & Mayrhofer, 1984--check citation). BC Nash 26217, etc. BCN (Sheard, 1974; Weber, 1993)

DIMELAENA NOVOMEXICANA (de Lesd.) Hale & W. Culb. SON Syn.: *Rinodina novomexicana* -- f. *caesia* (de Lesd.) ined.? Syn.: *R. novomexicana* f. *caesia*

DIMELAENA OREINA (Ach.) Norman = mostly? *D. novomexicana* and *D. suboreina*. MICH (Sheard, 1974); CHIH (Sheard, 1974; Nash 13723, etc.); COAH (Nash 6750); DUR (Nash 13937); SON (Hale, 1979; Ryan)

DIMELAENA RADIATA (Tuck.) Hale & Culb. (Sheard, 1977; Jorgensen, 1983) BC (Nash 4847); BCN (Sheard, 1974; Jorgensen, 1983; Kärnefelt, 1980; Weber, 1993; Nash, 1995, Lich. Exs. 159; Ryan 21377-b); BCS (Nash 8874,

40553, etc.); SIN (Nash 33665, 12087-A, etc.); SON (Nash 12441, 12529); Syn.: *Rinodina radiata*

DIMELAENA SUBOREINA (de Lesd.) Hale & W. Culb. CHIH (Nash 36600); HID (Nash 35882); SON (Ryan) Syn.: *Rinodina suboreina*

x*DIMELAENA THYSANOTA* (Tuck.) Hale & Culb. BCN (Nash 14698)

DIMELAENA WEBERI Sheard BCN (Weber, 1993)

DIMERELLA LUTEA (Dickson) Trevisan (I56) Syn.: *Gyalecta lutea* -- var. *eximia* (Nyl.) ined. Syn.: *Lecidea lutea* var. *eximia* Nyl.

DIPLOICIA CANESCENS (Dickson) Massal. BCN (Weber, 1993; Ryan); BCS (Nash 26165, 34410, etc.); SON (Nash 33630)

XDIPLOICIA SUBCANESCENS BCN (Nash 38283)

DIPLOSCHISTES ACTINOSTOMUS (Pers.) Zahlbr. BC (?); CHIH (Nash 36886 & 36888 det. Lumbsch); D.F. (de Lesdain, 1929); SON (Ryan, verif. by Lumbsch; Nash 25606, as "aff."; check Lumbsch annotation) -- var. *brunneus* (Müll. Arg.) Zahlbr. MEX (de Lesdain, 1929)

Diploschistes anactus (Nyl.) Zahlbr. (I56) D.F. (de Lesdain, 1929); MOR (de Lesdain, 1933) = *D. euganeus* (Lumbsch, 1989)

DIPLOSCHISTES AENEUS (Müll. Arg.) Lumbsch BCN (Nash 38747 det. Lumbsch); BCS (Nash, et. Lumbsch); CHIH (Nash 37620 det. Lumbsch); HID (Nash 38081 det. Lumbsch); SON (Lumbsch, 1989).

X"*Diploschistes aerofusca*" CHIH (Nash 36685) = lapsus for *D. aeneus*?

DIPLOSCHISTES CINEREOCAESIUS (Sw. in Ach.) Vainio (I56) MEX (de Lesdain, 1929)

Diploschistes constellatus(!) (Ach.) Zahlbr. (I56) Consoquitla (Vainio, 1926) (check this name in Lumbsch's articles)

DIPLOSCHISTES DIACAPSIS (Ach.) Lumbsch BCN (Nash 29501, det. Lumbsch); CHIH (Nash 36603); PUE (Lumbsch, 1989)

DIPLOSCHISTES EUGANEUS (Massal.) Steiner Syn.: *D. actinis*

DIPLOSCHISTES GYPSACEUS (Ach.) Nyl. (I56) Syn.: Urceolaria gypsacea

DIPLOSCHISTES HYPOLEUCUS (Vainio) Zahlbr. (I56) VC: Mirador (Vainio, 1926)

+Diploschistes mexicanus(!) de Lesd. (I56) DF (de Lesdain, 1933) -- var. parasiticus de Lesd. (I56) PUE (de Lesdain, 1933)

DIPLOSCHISTES MUSCORUM (Scop.) R. Sant. -- SSP. MUSCORUM BCN (Lumbsch, 1989) CHIH (Lumbsch, 1989); HID (Nash 38078 & 38079 det. Lumbsch); MICHO (Lumbsch, 1989) PUE (Lumbsch, 1989); VC (Nash 35710)

DIPLOSCHISTES OCELLATUS (Vill.) Norman (Weber, 1979, 1981)

DIPLOSCHISTES SCRUPOSUS (Schreber) Norman (I56). BC. Nash 4525, etc.; BCN (Ryan 21472); CHIH (Nash 37577 det. Lumbsch); D.F. (de Lesdain, 1929); JAL (Herre, 1944b); HID (Nash 38080 det. Lumbsch).

xDIPILOTOMMA ALBOATRUM (Hoffm.) Flotow BCN (Nash 34593, verif. by Nordin) Syn.: Buellia alboatra

+Diplotomma cinereoviridulum(!) de Lesd. DF (de Lesdain, 1933) Syn.: Buellia cinereoviridula

DIPILOTOMMA EPIPOLIUM (Ach.) Arnold D.F. (de Lesdain, 1929); PUE (de Lesdain, 1914) Syn.: Buellia epipolia Probably = (misidentification of? synonym of?) D. venustum

Diplotomma mexicanum(!) (Steiner) de Lesd. Syn.: Buellia mexicanum Steiner non de Lesd.

DIPILOTOMMA PENICHRUM (Tuck.) Szat. BCN (Kalb, 199 , Exs. 481); BCS Syn.: Buellia penichra

Dirina approximata Zahlbr. = D. paradoxa -- subsp. approximata (Tehler, 1983) - subsp. hiaoramii (de Lesd.) Tehler OAX (Tehler, 1983) = D. paradoxa

DIRINA CATALINARIAE Hasse (Weber, 1981) BCN (Rundel, 1978; Tehler, 1983; Weber, Lich. Exs. ; Weber, 1993; Ryan) -- f. CATILINARIAE BCN (Tehler, 1983) - - f. SOREDIATA Tehler BCN (Tehler, 1983; Ryan)

Dirina ceratoniae (Ach.) Fr. SON (Herre, 1944a; I56) = misidentification (see Herre's description)

DIRINA MEXICANA Tehler BCS (Tehler, et al., 1995); CHIH (Nash 37310); SIN (Tehler, et al., 1995).

DIRINA PARADOXA (Fée) Tehler BCS (Kalb, 1991, Exs. 504) -- SPP.
APPROXIMATA (Zahlbr.) Tehler BCS (Nash, 1995, Lich. Exs. 157). Syn.: D. approximata. Note: Tehler (1983) listed only D. approximata subsp. hiaoramii for the area, but Tehler (1986) apparently treated that subspecies as a synonym of D. paradoxa as a whole.

DIRINARIA AEGIALITA (Afz. in Ach.) B. Moore BCN (Ryan, as D. aspera); SON. Identification needs checking. Syn.: Physcia aegialita

DIRINARIA APPLANATA (Fée) Awasthi -- var. APPLANATA Masanda (Awasthi, 1975); CHIA (Awasthi, 1975), SLP (Awasthi, 1975). SIN (Nash); SON (Ryan)

DIRINARIA CONFLUENS (Fr.) Awasthi (Kalb); Alzoda Col (Awasthi, 1975); CHIA (Awasthi, 1975); MICHO (Awasthi, 1975); VC (Awasthi, 1975)

+DIRINARIA CONFUSA Awasthi -- var. CONFUSA Blanco District, Bonn (Awasthi, 1975); Calima (Colima?), Crescentia (Awasthi, 1975); ISL. DE REV. (Awasthi, 1975) JAL (Awasthi, 1975); SLP (Awasthi, 1975); Syn.: Physcia aegialita sensu Moore -- var. SAXICOLA (Räsänen) Awasthi MICHO (Awasthi, 1975). BCN (Ryan); SON (Ryan)

xDIRINARIA CF. FROSTII (Tuck.) D. D. Awasthi SON (Nash 10940)

xDIRINARIA MELANOCARPA (Müll. Arg.) Dodge ?

DIRINARIA PICTA (Swartz) Clem. & Shear BC (Nash); BCS (Nash, 1995, Lich. Exs. 158); SON (Nash) Syn.: Physcia picta

DIRINARIA PURPURASCENS (Vainio) Moore NAY (Awasthi, 1975); VC (Awasthi, 1975)

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Echinoplaca actinoplaca(!) (Nyl.) ined. (I56) Syn.: Strigula actinoplaca Nyl.

Echinoplaca strigulacea (Müll. Arg.) R. Sant. (I56) locality unknown (Santesson, 1952) = Actinoplaca strigulacea (Farkas & Sipman, 1993)

Endocarpiscum omphalizum (Nyl. in Eckf.) Müll. Arg. BCN?: "californica insula San Pedro Martin" (= Martir) (Müller, 1895a) = *Peltula omphaliza*

Endocarpon arsenii(!) (de Lesd.) de Lesd. (I56) DF Syn.: *E. pusillum* var. *arsenii*-- var. *minor*(!) (de Lesd.) ined.? (I56) Synonym: *E. pusillum* var *minor* de Lesd.

Endocarpon fluviatile DC. MICHО (de Lesdain, 1914) = *Dermatocarpon luridum*

Endocarpon hepaticum auct. PUE (de Lesdain, 1914) = *Catapyrenium squamulosum*

+*Endocarpon mexicanum*(!) de Lesd. (I56) DF (de Lesdain, 1933)

Endocarpon miniatum Ach. MICHО (de Lesdain, 1914) = *Dermatocarpon miniatum* - - var. *canum* Krempelh. MICHО (de Lesdain, 1914) = *D. miniatum* var. *canum*

Endocarpon moulinsii Mont. PUE (de Lesdain, 1914) = *Dermatocarpon moulinsii*

ENDOCARPON PALLIDUM Ach. (I56) Syn.: *Dermatocarpon pallidum* -- var. +*montanum*(!) de Lesd. (I56) QUER (de Lesdain, 1922)

x**ENDOCARPON PETROLEPIDEUM** (Nyl.) Hasse SON (Ryan)

ENDOCARPON PULVINATUM Th. Fr. BCN (Nash 14736 det. Thomson)

ENDOCARPON PUSILLUM Hedwig BCN (Weber, 1993); BCS (Nash 12890); CHIH; COAH; SON (Nash 11923; Ryan) -- var. *arsenii* de Lesd. MICHО (de Lesdain, 1922) = *E. arsenii* -- var. *minor* de Lesd. MICHО (de Lesdain, 1922) = *E. arsenii* var. *minor*

Endocarpon rufescens (Ach.) K"rber DF (de Lesdain, 1933)

+*Endocarpon tectorum*(!) de Lesd. (I56) DF (de Lesdain, 1933)

Endopyrenium tuckermannii (Rav. ex Mont.) Müll. Arg. CHIA: Monterrey (Müller, 1894) = *Catapyrenium tuckermannii*

Enterodictyon mexicanum Zahlbr. (Zahlbruckner, 1921, p. 233; I56) = *Graphina mexicana*

EPILICHEN STELLATUS Triebel* DUR (Triebel, et al., 1991)

+*Erioderma americanum*(!) Müll. Arg. (Müller, 1880, p. 261; I56) (check Keuck, 1977)

ERIODERMA LEYLANDII (Taylor) Müll. Arg. (Müller, 1880; I56)

ERIODERMA POLYCARPUM Fèe (I56) (?-- described from Ceylon) -- var. *mexicanum* Nyl., nom. nud. (Tuckerman, 1882)

ERIODERMA WRIGHTII Tuck. (Hue, 1892; I56)

Evernia furfuracea (L.) Mann Desierto Viejo (Nylander, 1872), MEX (Nylander, 1872), SLP (Nylander, 1872) = misidentification of *Pseudevernia intensa* -- var. *intensa* (Nyl.) de Lesd. MICO (de Lesdain, 1914, 1922), PUE (de Lesdain, 1914) -- +var. *intensa* f. *albida* de Lesd. MICO (de Lesdain, 1914, 1922) -- +var. *intensa* f. *ceratea* de Lesd. MICO (de Lesdain, 1922) -- +var. *intensa* f. *scobicina* de Lesd. MICO (de Lesdain, 1922)

EVERNIA MESOMORPHA Nyl. (RMM 1: 393, 1985; Guzmán, 1988) N.L. (González de la Rosa & Guzmán, 1976, p. 34) (? S.L.P. according to Coutiño & Mojica, 1985); PUE (Brizuela & Guzmán, 1971, p. 85).

Everniastrum americanum (Mey. & Flotow) Hale ex Sipman Syn.: *Parmelia americana* = misidentifications? (endemic to Chile according to Culberson & Culberson, 1981) -- f. *sorediosa* (de Lesd.) ined.? Syn.: *Parmelia americana* f. *sorediosa*

EVERNIASTRUM ARSENEI (Hale & M. Wirth) Hale ex Sipman Syn.: *Cetrariastrum arsenei*, *Parmelia arsenei*

EVERNIASTRUM CATAWBIENSE (Degel.) Hale ex Sipman Syn.: *Parmelia catabiense*, *Cetrariastrum catabiense*

EVERNIASTRUM CIRRHATUM (Fr.) Hale ex Sipman CHIH (Nash) Syn.: *Cetrariastrum cirrhatum*, *Parmelia cirrhata* -- var. *arrhiza*(!) (Mey. & Flotow) ined.? Syn.: *Parmelia cirrhata* var. *arrhiza* (= misidentification?)

EVERNIASTRUM COLUMBIENSE (Zahlbr.) Sipman Syn.: *Parmelia columbiensis*

EVERNIASTRUM LIPIDIFERUM (Hale & M. Wirth) Hale ex Sipman HID (Coutiño & Mojica, 1982) Syn.: *Cetrariastrum lipidiferum*, *Parmelia lipidfera*

+EVERNIASTRUM MEXICANUM (Egan ex W. Culb. & C. Culb.) Sipman
(Sipman, 1986; Guzmán, 1988) JAL (Egan, 1987) Syn.: *Cetrariastrum mexicanum*

Everniastrum moreliense (de Lesd.) Hale ex Sipman Syn.: *Parmelia moreliensis*
= *Parmotrema moreliense* (according to Culberson & Culberson, 1981, but ?)
CHIH (Nash)

EVERNIASTRUM NEOCIRRHATUM (Hale & M. Wirth) Hale (Weber, 1981).
MEX (Vezda Exs. 1619); SIN (Nash, 1995, Lich. Exs. 160; Nash 30191) Syn.:
Cetrariastrum neocirrhatum, *Parmelia neocirrhatum*

EVERNIASTRUM NIGROCILIATUM (de Lesd.) Hale ex Sipman Syn.:
Cetrariastrum nigrociliatum, *Parmelia nigrociliata*

EVERNIASTRUM PERUVIANUM Hale HID (Coutiño & Mojica, 1982); VC
(Coutiño & Mojica, 1985)

EVERNIASTRUM PSEUDONEPALENSE (Hale & M. Wirth) Sipman CHIH
(Nash); GUAN (Vezda EXs. 1681) Syn.: *Cetrariastrum pseudonepalense*,
Parmelia pseudonepalensis

EVERNIASTRUM SOROCHEILUM (Vainio) Hale ex Sipman SIN (Nash
10194) Syn.: *Parmelia sorocheila* (= misidentification of *E. catawbiense*?),
Cetrariastrum sorocheilum

EVERNIASTRUM SUBPLANUM Sipman (Sipman, 1986; Guzmán, 1988)

EVERNIASTRUM VEXANS (Zahlbr. ex Culb. & C. Culb.) Hale ex Sipman
Weber, Lich. Exs. 499; Hale, 19 , Lich. Exs. 182) SIN (Nash) Syn.:
Cetrariastrum vexans, *Parmelia vexans*

Everniopsis trulla(!) (Ach.) Nyl. (Tuckerman, 1882; Howe, 1911)

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Fistulariella dilacerata (Hoffm.) Bowler & Rundel VC (Coutiño & Mojica, 1985)
= *Ramalina dilacerata*

xFLAVOPARMELIA BALTIMORENSIS (Gyelnik & Friss) Hale BCN (Nash
38520); CHIH (Nash 36228, 36449); HID (Nash 38090); SON (Nash)

FLAVOPARMELIA CAPERATA (L.) Hale BCN (Nash 4528, 4798, etc.; Ryan 21283, 21320); SIN (Nash 30198); CHIH (Nash 31240, etc.); COAH (Nash 14295, etc.); HID (Nash 35849, 35863); MEX (Nash 38200); PUE (Lehto L-22292-E) Syn.: *Parmelia caperata*, *P. herreana*, *P. flavicans* -- var. *subglaucum*(!) (Gasilien) ined.? Syn.: *Parmelia caperata* var. *subglaucum*

FLAVOPARMELIA LEUCOXANTHA (Müll. Arg.) Hale OAX (Hale, 1976, under Syn.: *Pseudoparmelia leucoxantha*)

FLAVOPARMELIA RUTIDOTA (Hook. f. & Taylor) Hale SON. Syn.: *Parmelia conspersa* v. *subconspersa*

x**FLAVOPARMELIA SOREDIANS** (Nyl.) Hale BCN (Nash 34024, 25230); BCS (Nash 29533, 29658) Syn.: *Pseudoparmelia soreadians*

XFLAVOPUNCTELIA DARROWII (Thomson) Hale CHIH (Nash 36320) Syn.: *Parmelia darrowii*

FLAVOPUNCTELIA FLAVENTIOR (Stirton) Hale BC (); CHIH (Nash 36144); D.F. (Nash 38215); MEX (Nash 38173); PUE (Nash 35688); SON (Ryan); VC (Nash 35794) Syn.: *Parmelia kernstockii*, *P. flaventior*

FLAVOPUNCTELIA PRAESIGNIS (Nyl.) Hale BC; CHIH (Nash 36179); HID (Nash 35825); MEX (Nash 38178); SON; VC (Nash 35795) Syn.: *Parmelia praesignis*.

FLAVOPUNCTELIA SOREDICA (Nyl.) Hale BC Nash 4800, 34294, etc. CHIH: Nash 31242, etc. HID: Rundel 9304; Nash 38006. COAH: Nash 6797. DUR: Nash 31154. SON: Nash 33584, etc. ZAC: Nash 13978, etc. Syn.: *Parmelia soredica*, *P. ulophyllodes*

x**FULGENSIA DESERTORUM** (Tomin) Poelt BCN (Ryan; Nash)

FUSCOPANNARIA LEUCOPHAEA (Vahl) P. M. Jorg. BCN (Nash 14688) Syn.: *Pannaria microphylla*

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GLOEOHEPIA POLYSPORA Henssen BCS (Henssen, 1995); OAX (Henssen, 1995)

GLYPHIS CICATRICOSA Ach. (Krempelhuber, 1876; Hue, 1892; I56)
PUE/VC: Near Orizaba (Nylander, 1858) -- var. *confluens* (Zenker) Zahlbr.
(Davis, 1936; I56) = *G. confluens*

GLYPHIS CONFLUENS Zenker Syn.: *Glyphis cicatricosa* var. *confluens*

GLYPHIS FAVULOSA Ach. (Hue, 1892; I56) PUE/VC: Near Orizaba
(Nylander, 1858)

Glyphis labyrinthica Ach. PUE/VC: Near Orizaba (Nylander, 1858) =
Sarcographa labyrinthica

Gonohynenia nigritella (Lettau) Henssen BC (); SON (Ryan) = *Lichinella*
nigritella

GRAPHINA ACHARII (Fée) Müll. Arg. (I56) CHIA (Wirth & Hale, 1963),
MOR (Wirth & Hale, 1963), SLP (Müller, 1895b) TAM (Wirth & Hale, 1964),
VC (Wirth & Hale, 1963). -- var. *+subintegra* Zahlbr. (Zahlbruckner, 1921; I56)
= *G. inturgescens*

GRAPHINA ADSCRIBENS (Nyl.) Müll. Arg. (Davis, 1936; I56)

GRAPHINA BALBISII (Fée) Müll. Arg. (Davis, 1936; I56) MOR (Wirth &
Hale, 1963)

GRAPHINA BIPARTITA Müll. Arg. SLP (Wirth & Hale, 1963) Syn.: *G.*
peralbida; *Graphis peralbida*

Graphina caesioradians (Leighton) Müll. Arg. (I56) CHIA: Monterrey (Müller,
1894) =? a misidentification of *Phaeographina asteroides* (see Wirth & Hale,
1963)

Graphina cometia(!) (Fée) ined.? (I56) Syn.: *Graphis cometia*

GRAPHINA CONFLUENS (Fée) Müll. Arg. CHIA (Wirth & Hale, 1963),
TAMAULIPAS (Wirth & Hale, 1963), VC (Wirth & Hale, 1963)

GRAPHINA ELONGATA (Vainio) Zahlbr. CHIA (Wirth & Hale, 1963)

GRAPHINA HIASCENS (Fée) Müll. Arg. TAMAULIPAS (Wirth & Hale,
1963)

GRAPHINA HOLOLEUCOIDES (Nyl.) Müll. Arg. (Hue, 1892; I56; Wirth & Hale, 1963)

GRAPHINA INSIGNIS (Vainio) Zahlbr. CHIA (Wirth & Hale, 1963)

GRAPHINA INTURGESCENS (Krempelh.) Müll. Arg. TAM (Wirth & Hale, 1963) Syn.: *G. acharii* var. *subintegra*

GRAPHINA MACELLA (Krempelh.) Müll. Arg. CHIA (Wirth & Hale, 1963)

+**GRAPHINA MEXICANA** (Zahlbr.) Wirth & Hale MOR (Zahlbruckner, 1921), SLP (Wirth & Hale, 1963) Syn.: *Enterodictyon mexicanum* Zahlbr.

GRAPHINA PALMERI Zahlbr. (I56; Wirth & Hale, 1963) MOR (Zahlbruckner, 1921)

GRAPHINA PARILIS Krempelh. SLP (Wirth & Hale, 1963), TAM (Wirth & Hale, 1963), VC (Wirth & Hale, 1963) Syn.: *G. pringlei*

+**GRAPHINA PEPLOPHORA** Wirth & Hale TAM (Wirth & Hale, 1963) Syn.: *Graphis leucocarpa* Nyl.

Graphina peralbida (Nyl.) Zahlbr. (Davis, 1936; I56) SLP (Nylander, 1891) = *G. bipartita*

GRAPHINA PLATYLEUCA (Nyl.) Zahlbr. (Zahlbruckner, 1921; I56) (not in Wirth & Hale, 1963)

+*Graphina pringlei* Zahlbr. (Zahlbruckner, 1921, p. 230; I56) TAM (Zahlbruckner, 1921) = *G. parilis* (Wirth & Hale, 1963)

Graphina rigida(!) (Fée) ined.? (I56) Syn.: *Opegrapha rigida* Fée (not in Wirth & Hale, 1963)

GRAPHINA RIMULOSA Redgr. HID (Wirth & Hale, 1963)

GRAPHINA SCOLECTIS (Tuck.) Fink SLP (Wirth & Hale, 1963)

Graphina sophistica(!) (Nyl.) Müll. Arg. CHIA: Monterrey (Müller, 1894; I56) = "doubtful" (Wirth & Hale, 1963)

GRAPHINA SULCATA Fink CHIA (Wirth & Hale, 1963)

GRAPHINA SULCATULA Müll. Arg. -- var. **CONGLOMERATA** Müll. Arg.
OAX (Wirth & Hale, 1963)

+**GRAPHINA TRIANGULARIS** Zahlbr. (I56; Wirth & Hale, 1963) TAM
(Zahlbruckner, 1921)

GRAPHINA VIRGINALIS (Nyl.) Müll. Arg. CHIA (Wirth & Hale, 1963)

GRAPHINA VIRGINEA (Eschw. in Mart.) Müll. Arg. (Hue, 1892; I56) VC
(Wirth & Hale, 1963)

x**GRAPHINA** sp. CHIH: near Copper Canyon (specimen in ASU).

GRAPHIS AFZELII Ach. (Krempelhuber, 1876; I56) CHIA Wirth & Hale,
1963); Q.R. (Hedrick, 1935); YUC (Hedrick, 1935)

GRAPHIS ANGUILLIFORMIS Taylor (Eckfeldt, 1892; Davis, 1936; I56) HID
Wirth & Hale, 1963)

Graphis balbisina Nyl. (Hue, 1892; I56) SLP (Eckfeldt, 1892; Müller, 1895b) =
G. implicata

GRAPHIS CAESIELLA Vainio TAM (Wirth & Hale, 1963)

Graphis cometia Fée (I56) PUE/VC: Near Orizaba (Nylander, 1858) = *Graphina cometia*

Graphis dendritica Ach. PUE/VC: Near Orizaba (Nylander, 1858) =
Phaeographis dendritica

GRAPHIS DESQUAMESCENS Fée VC (Wirth & Hale, 1963)

Graphis egena Nyl. (Eckfeldt, 1892; Davis, 1936) = *Medusulina egena*

Graphis endoxantha Nyl. (I56) SLP (Müller, 1895b; Wirth & Hale, 1963) = *G. subelegans* (Wirth & Hale, 1978)

GRAPHIS FLEXIBILIS Krempelh. CHIA (Wirth & Hale, 1963)

GRAPHIS GLAUCOPSIS Wirth & Hale CHIA (Wirth & Hale, 1963)

GRAPHIS GRAMMATICA Nyl. CHIA (Wirth & Hale, 1963)

GRAPHIS IMPLICATA Fée NL (Wirth & Hale, 1963) Syn.: *G. balbisina*

Graphis intricans(!) Nyl. (Krempelhuber, 1876; I56)

Graphis inusta Ach. PUE/VC: Near Orizaba (Nylander, 1858) = *Phaeographis inusta*

Graphis lactea Sprengel (Eckfeldt, 1892; Davis, 1936; I56) = misidentification of *G. platycarpella* (Wirth & Hale, 1963)

Graphis leiogrammodes Krempelh. (Krempelhuber, 1876) = *Phaeographis leiogrammodes*

(*Graphis leucocarpa* Nyl., nom. nud.) (Nylander, 1886) = *Graphina peplophora*

GRAPHIS LONGULA Krempelh. CHIA (Wirth & Hale, 1963)

Graphis patellula Fée (Krempelhuber, 1876) = *Phaeographis patellula*

+*Graphis peralbida* Nyl. = *Graphina bipartita*

GRAPHIS PLATYCARPELLA Müll. Arg. SLP (Wirth & Hale, 1963)

GRAPHIS PROSERPENS Vainio MOR (Wirth & Hale, 1963)

Graphis sculpturata Ach. PUE/VC: Near Orizaba (Nylander, 1858) = *Phaeographina sculpturata*

GRAPHIS SCRIPTA (L.) Ach. (Davis, 1936; I56; Ulloa & Hanlin, 1978; Guzmán, 1988) ("doubtful--Wirth & Hale, 1963) MICH (de Lesdain, 1914); YUC (Hedrick, 1935) -- f. *recta* (Humb.) ined.? MICH (de Lesdain, 1914) Syn.: *Opegrapha recta*

GRAPHIS STRIATULA (Ach.) Sprengel (Hue, 1892; I56) PUE/VC: Near Orizaba (Nylander, 1858) ("doubtful--Wirth & Hale, 1963) -- var. +*pulverulenta*(!) Nyl. (Hue, 1892; I56) PUE/VC: Near Orizaba (Nylander, 1858) -- var. +*sublaevis* Nyl. (Hue, 1892; I56) PUE/VC: Near Orizaba (Nylander, 1858) = (probably) *G. duplicata* (see Wirth & Hale, 1963)

GRAPHIS STYGIOARCHNOIDEA Wirth & Hale CHIA (Wirth & Hale, 1963)

+**GRAPHIS SUBAMYLACEA** Zahlbr. (Zahlbruckner, 1921, p. 229; I56) MOR (Zahlbruckner, 1921) TAM (Wirth & Hale, 1963)

+GRAPHIS SUBELEGANS Nyl. (Hue, 1892; Eckfeldt, 1892; Davis, 1936; I56)
SLP (Nylander, 1891) Syn.: *G. endoxantha* (Wirth & Hale, 1978)

GRAPHIS TENELLA Ach. (Eckfeldt, 1892; Davis, 1936; I56) =? *G. scripta*
sensu lato (see Wirth & Hale, 1963) -- v. abbreviata(!) Müll. Arg. CHIA:
Monterrey (Müller, 1894) = ?

Graphis tricosa Ach. PUE/VC: Near Orizaba (Nylander, 1858) = *Sarcographa*
tricosa

Graphis vermiformis(!) (Eschw. in Mart.) Nyl. (Hue, 1892; I56) PUE/VC: Near
Orizaba (Nylander, 1858) ("doubtful"--Wirth & Hale, 1963)

GUDELIA MEXICANA Henssen GUER (Henssen, 1995)

GYALECTA FLOTOWII K'rber (Davis, 1936; I56)

Gyalecta lutea (Dicks.) Tuck. VC (Vainio, 1926) = *Dimerella lutea*

+*Gyalecta mexicana* de Lesd. (I56) El Desierto (de Lesdain, 1929, p. 241) =
Gyalidea mexicana (Vezda, 1966)

Gyalectidium aspidotum (Vainio) R. Sant. (I56); VC: Mirador (Santesson, 1952)
= *Bullatina aspidota* (Farkas & Sipman, 1993)

GYALECTIDIUM FILICINUM Müll. Arg. (I56); VC (Santesson, 1952)

+GYALIDEA MEXICANA (de Lesd.) Vezda Syn.: *Gyalecta mexicana*

GYALIDEOPSIS MEXICANA Tretiach, Giralt & Vezda CHIH (Tretiach, et al.,
1996)

Gyalolechia brouardii de Lesd. PUE (de Lesdain, 1914) = *Candelariella brouardii*

Gyrophora arctica Ach. PUE: Pico de Orizaba (Vainio, 1926) = *Umbilicaria*
arctica

Gyrophora cylindrica Ach. MEX (de Lesdain, 1933) = *Umbilicaria cylindrica*

Gyrophora hirsuta (Ach.) Fr. = *Umbilicaria hirsuta* -- var. *papyria* Ach. = *U.*
hirsuta var. *papyria*

Gyrophora papulosa Ach. = *Lasallia papulosa*

Gyrophora polymorpha -- var. *reticulata* Schaeerer = *Umbilicaria decussata*

Gyrophora proboscidea (L.) Ach. = *Umbilicaria proboscidea* -- var. +*orizabana* Vainio (misspelled *orizabae* by Zahlbruckner, 1927) PUE: Pico de Orizaba (Vainio, 1926) = *Umbilicaria virginis* var. *orizabanus*

Gyrophora rugifera (Nyl.) Th. Fr. MEX (de Lesdain, 1933) = *Umbilicaria virginis*

Gyrophora vellerea (Ach.) Nyl. PUE: Pico de Orizaba (Vainio, 1926) = *Umbilicaria* sp.

GYROSTOMUM SCYPHULIFERUM (Ach.) Nyl. (Krempelhuber, 1876; I56)
CHIA: Monterrey (Müller, 1894)

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HAEMATOMMA DOLICHOSPORUM (de Lesd.) Kalb & Staiger DUR
(Staiger & Kalb, 1995); MICO (Staiger & Kalb, 1995), SIN (Staiger & Kalb, 1995) Syn.: *H. subpuniceum* v. *dolichosporum*

HAEMATOMMA FENZLIANUM Massal. CHIH (Staiger & Kalb, 1995); HID (Nash 35885, as *H. subpuniceum*); SON (Staiger & Kalb, 1995) Syn.: *H. supuniceum*

HAEMATOMMA FLEXUOSUM Hillm. CHIA (Staiger & Kalb, 1995); VC (Staiger & Kalb, 1995)

Haematomma inexpectatum Kalb BCN; BCS (Kalb, 1991, Lich. Neotrop. 506; Nash, 1992, Lich. Exs. 111) = *H. persoonii*

HAEMATOMMA INFUSCUM (Stirton in Bailey) Rogers CHIH (Nash 37886); SON (Staiger & Kalb, 1995) Syn.: *H. puniceum* v. *infuscum*

Haematomma lapponicum Räsänen = *Ophioparma lapponicum*

Haematomma ochrophaeum (Tuck.) Massal. BC = *Loxospora ochrophaea*

HAEMATOMMA PERSOONII (Fée) Massal. BCN (Staiger & Kalb, 1995); BCS (Staiger & Kalb, 1995); COAH (Staiger & Kalb, 1995); NL (Staiger & Kalb, 1995); SON (Nash 33653)

Haematomma puniceum (Sm. ex Ach.) Massal. (I56) BCN (Ryan); SON (Herre, 1944a) = misidentifications -- f. *esorediatum* Vainio (I56) VC: Mirador (Vainio, 1926), OAX (Vainio, 1926)

Haematomma subpuniceum (Müll. Arg.) de Lesd. (I56; Culberson, 1963)
Tenayuca, Guadalupe (de Lesdain, 1929); HID (de Lesdain, 1929); MICHO (de Lesdain, 1914), PUE (de Lesdain, 1914), QUER (de Lesdain, 1922), SON (Ryan) = *H. fenzlianum* -- var. *+dolichosporum* de Lesd. (I56) MICHO (de Lesdain, 1914) = *H. dolichosporum*

Haematomma ventosum (L.) Massal. (I56) MEX (de Lesdain, 1933) = misidentification of *Ophioparma lapponicum*

HAFELLIA BISPORA Sheard TAM (Sheard, 1992)

HALEOMYCES OROPOGONICOLA D. Hawksw. & Essl.* OAX (Hawksworth & Esslinger, 1993)

HELMINTHOCARPON LEPREVOSTII Fée (Hue, 1892; I56) VC: Tampico (Awasthi & Joshi, 1979); PUE/VC: Near Orizaba (Nylander, 1858)

Helminthocarpon pruinatum (Eschw. in Mart.) Müll. Arg. (I56) = *Cyclographina pruinosa* (Awasthi & Joshi, 1979)

+*Heppia amabilis* de Lesd. (I56) Tenayuca (de Lesdain, 1929) = ?

+*Heppia brouardi* de Lesd. (de Lesdain, 1909, p. 475; I56) DF (de Lesdain, 1922), PUE (de Lesdain, 1914) = *Peltula patellata*

Heppia despreauxii (Mont.) Tuck. SON (Herre, 1944b; I56) = *H. lutosa*

Heppia guepini (Delise in Duby) Nyl. in Hue (I56) Tenayaca (de Lesdain, 1929) = *Peltula euploca*

Heppia leptopholis Nyl. ex Hasse (I56) = *Peltula patellata*

HEPPIA LUTOSA (Ach.) Nyl. (Wetmore, 1971) BCN (Weber, 1993) Syn.: *H. despreauxii* May be at least partly misidentifications (see Henssen, 1994)

+*Heppia michoacanensis* de Lesd. (I56) D.F. (de Lesdain, 1929), MICHO (de Lesdain, 1914, 1922) = *Peltula michoacanensis* (Wetmore, 1971) -- var. *adnata* de Lesd. nom. inval. (I56) DF (de Lesdain, 1929), MICHO (de Lesdain, 1922), QUER (de Lesdain, 1922) = *Peltula obscurans* var. *deserticola* (Wetmore, 1971)

Heppia omphaliza Nyl. in Eckf. (I56) = *Peltula omphaliza*

Heppia polyspora Tuck. SON (Herre, 1944b; I56) = *Peltula patellata*

+*Heppia tenayucae* de Lesd. (I56) DF (de Lesdain, 1933) = ?

Heppia terrena Nyl. ex Hasse SON (Herre, 1944a; I56) = *Peltula patellata*

HETEROCARPON OCHROLEUCUM (Tuck.) Müll. Arg. (Davis, 1936; I56)

HETERODERMIA ALBICANS (Pers.) Swinscow & Krog Syn.: *Anaptychia domingensis*

HETERODERMIA ANTILLARUM (Vainio) Swinscow & Krog Syn.:
Anaptychia tropica v. *antillarum*

Heterodermia arsenei(!) (Kurok.) ined.? Syn.: *Anaptychia arsenei*

HETERODERMIA BARBIFERA (Nyl.) K. P. Singh Syn.: *Anaptychia barbifera*

HETERODERMIA CASARETTIANA Massal. Syn.: *Anaptychia casarettiana*

XHETERODERMIA CHILENSIS (Kurok.) Swinscow & Krog CHIH (Nash 36274, det. Moberg)

HETERODERMIA COMOSA (Eschw.) Follm. & Redon Syn.: *Anaptychia comosa*, *Physcia comosa*

HETERODERMIA CORALLOPHORA (Taylor) Skorepa Syn.: *Anaptychia corallophora*

HETERODERMIA CUBENSIS (Kurok.) Trass Syn.: *Anaptychia cubensis*

HETERODERMIA DENDRITICA (Pers.) Poelt Syn.: *Anaptychia dendritica* -- var. *propagulifera* (Vainio) = *Heterodermia propagulifera*

HETERODERMIA DIADEMATA (Taylor) Awasthi (Weber, 1981) CHIH (Nash 36231; Nash 36275 det. Moberg); SON (Nash) -- f. *DIADEMATA* Syn.: *Anaptychia diademata*, *A. speciosa* var. *major* -- f. *brachyloba*(!) (Müll. Arg.) ined? Syn.: *A. diademata* f. *brachyloba*, *A. speciosa* var. *mexicana*, *Pseudophyscia mexicana*

HETERODERMIA DISSECTA (Kurok.) Awasthi Syn.: Anaptychia dissecta --
var. koyana (Kurok.) ined.? Syn.: A. dissecta var. koyana

HETERODERMIA ECHINATA (Taylor) Culb. -- var. ECHINATA Syn.:
Anaptychia echinata -- f. pterocarpa (Kurok.) ined.? Syn.: Anaptachyia echinata
f. pterocarpa

HETERODERMIA ERINACEA (Ach.) W. Weber BC Nash 29497, 9002, etc.;
BCN (Weber, Lich. Exs. 77; Weber, 1993; Ryan 21442, 21312); BCS (Nash,
1989, Lich. Exs. 63; Nash 30516, etc.) -- var. ERINACEA Syn.: Anaptychia
erinacea -- var. ciliatotmarginata (Linder) ined.? Syn.: A. ciliatotmarginata, A.
erinacea var. ciliatotmarginata

HETERODERMIA FALVOSQUAMOSA Aptroot & Sipman (Sipman, 1990)

HETERODERMIA FLABELLATA (Fée) Awasthi Syn.: Anaptychia flabellata

HETERODERMIA GALACTOPHYLLA (Tuck.) W. Culb. Syn.: Anaptychia
comosa, A. galactophylla.

HETERODERMIA GRANULIFERA (Ach.) Culb. BCS (); CHIH (Nash
(several as H. "granulata"); HID (Coutiño & Mojica, 1982); SIN () Syn.:
Anaptychia granulifera

HETERODERMIA HYPOLEUCA (Muhl.) Trevisan BC CHIH (Nash 36312 det.
Moberg) Syn.: Anaptychia hypoleuca -- var. sorediifera(!) (Müll. Arg.) Vainio

HETERODERMIA ISIDIOSA (Kurok.) Syn.: Anaptychia isidiosa, A. rugulosa
var. isidiosa

XHETERODERMIA JAPONICA (Sato) Swinscow & Krog CHIH (Nash 36840
det. Moberg); HID (Nash 38009); MEX (Naash 38174 det. Moberg)

HETERODERMIA LAMELLIGERA (Taylor) Trass Syn.: Anaptychia
lamelligera

Heterodermia "leucomelaena" (L.) Poelt (Dávalos, et al., 1971; Guzmán, 1988)
JAL (Dávalos & Alvarez, 1987, p. 220) = H. leucomelos

HETERODERMIA LEUCOMELOS (L.) Poelt. (Weber, 1979, 1981) BCN
(Ryan); BCS (Nash, 1989, Lich. Exs. 64); CHIH (Nash 36273, det. Moberg);
MEX, MICHO, PUE, COL, HID, MOR, QUER, SLP, VC, OAX Syn.:
Anaptychia leucomelaena auct., A. leucomela, A. hypocrocodes?, Physcia

leucomela -- f. *albociliata*(!) (Nyl.) ined.? Syn.: *A. leucomelaena* var. *albociliata* - - var. *angustifolia*(!) (Mey. & Flotow) ined.? Syn.: *A. leucomelaena* var. *angustifolia* -- subsp. *BORYI* (Fée) Swinscow & Krog BC CHIH (Nash 36271, det. Moberg) Syn.: *Anaptychia neoleucomelaena* -- var. *multifida*(!) (Mey. & Flotow) ined.? Syn.: *A. leucomelaena* var. *multifida* -- var. *palmiformis*(!) (Kurok.) ined.? Syn.: *A. leucomelaena* var. *palmiformis* -- var. *verrucifera*(!) (Kurok.) ined.? Syn.: *A. leucomelaena* var. *verrucifera*

HETERODERMIA LUTESCENS (Kurok.) Follm. CHIH (Nash 36347 det. Moberg, as "cf.") Syn.: *Anaptychia lutescens*

HETERODERMIA MAGELLANICA (Kurok.) Swinscow & Krog -- var. *MAGELLANICA* Syn.: *Anaptychia magellanica*

HETERODERMIA OBSCURATA (Nyl.) Trevisan CHIH (Nash 36613 det. Moberg) Syn.: *Anaptychia obscurata*, *A. hypoleuca* var. *sorediifera*

HETERODERMIA PALPEBRATA (Taylor) Trass Syn.: *Anaptychia palpebrata*, *A. latifolia*

HETERODERMIA PODOCARPA (Bel.) Awasthi Syn.: *Anaptychia podocarpa*. BCN. Reports from N. America N of Mexico are *H. barbifera*, but

Heterodermia polyrhiza(!) (Kurok.) ined.? Syn.: *Anaptychia polyrhiza*

HETERODERMIA PROPAGULIFERA (Vainio) Dey Syn.: *A. dendritica* var. *propagulifera*

HETERODERMIA PSEUDOSPECIOSA (Kurok.) Culb. CHIH (Nash 36147; Nash 36614 det. Moberg) -- var. *PSEUDOSPECIOSA* f. *PSEUDOSPECIOSA* Syn.: *Anaptychia pseudospeciosa*.

HETERODERMIA RUGULOSA (Kurok.) Wetm. CHIH (Nash 36146); HID (Nash 35864); SON (Ryan; Nash 33585 det. Moberg) -- var. *RUGULOSA* Syn.: *Anaptychia rugulosa*

HETERODERMIA SPECIOSA (Wulfen) Trevisan. CHIH (Nash 37852) Syn.: *Anaptychia speciosa* -- var. *tremulans*(!) (Müll. Arg.) ined.? Syn.: *A. speciosa* var. *esorediata*, *A. pseudospeciosa* var. *tremulans* -- f. *sorediosa*(!) (Müll. Arg.) ined.? Syn.: *A. speciosa* var. *sorediosa*

Heterodermia spinigera(!) (Kurok.) ined.? Syn.: *Anaptychia spinigera* -- var. *pectinata*(!) (Zahlbr.) ined.? Syn.: *A. spinigera* var. *pectinata* -- var. *pectinata*(!) f. *subisidiosa*(!) (Kurok.) ined.? Syn.: *A. spinigera* var. *pectinata* f. *subisidiosa*

HETERODERMIA SQUAMULOSA (Degel.) Culb. (Guzmán, 1988) HID (Nash 38084); JAL (Dávalos & Alvarez, 1987, p. 221) Syn.: *Anaptychia squamulosa*

HETERODERMIA SUBCOMOSA (Nyl.) Trass Syn.: *Anaptychia subcomosa*

Heterodermia subisidiosa(!) (Kurok.) ined.? Syn.: *Anaptychia subisidiosa*, *A. magellanica* var. *pectinata* f. *subisidiosa*

Heterodermia tremulans (Müll. Arg.) W. Culb. = *Heterodermia speciosa*

Heterodermia trichophoroides(!) (Kurok.) ined.? Syn.: *Anaptychia trichophoroides*

Heterodermia tropica(!) (Kurok.) ined. SON-- var. *tropica*(!) Syn.: *Anaptychia tropica* -- var. *antillarum* (Kurok.) ined. = *H. antillarum*

HETERODERMIA VULGARIS (Vainio) Follm. & Redon Syn.: *Anaptychia vulgaris*

Heterodermia wrightii(!) (Tuck.) ined.? Syn.: *Anaptychia wrightii*

(**HETERODERMIA** sp. nov. 1 Moberg ined.) CHIH (Nash 36655); HID (Nash 38083)

(**HETERODERMIA** sp. nov. 2 Moberg ined.) CHIH (Nash 36841)

HUBBSIA CALIFORNICA (Räsänen) W. Weber BCN (Weber, 1987; Weber, 1993; Nash, 1995, Lich. Exs. 163) Syn.: *H. lumbricoides*, *Reinkella californica*

+*Hubbsia lumbricoides* W. Weber BCN (Weber, 1965, 1981; Weber, Lich. Exs. 85) = *H. californica*

HYPERPHYSCIA ADGLUTINATA (Fl'rke) Poelt & Vezda CHIH: Nash 36160, etc. SON Nash 33587; Ryan 21677, 21676. Syn.: *Physcia adglutinata*, *P. elaeina* -- var. *pyrithrocardia*(!) (Müll. Arg.) ined.? Syn.: *P. adglutinata* var. *pyrithrocardia* -- var. *subvirella*(!) (Nyl.) ined.? Syn.: *P. adglutinata* var. *subvirella*

xHYPERPHYSCIA PANDANI (H. Magn.) Moberg SON (Nash 14799, det.
Moberg)

(*Hyperphyscia santessonii* Ryan ined.) BCN (Wetmore 75821, MIN)

XHYPOCENOMYCE SCALARIS (Ach.) Choisy VC (Nash 35762)

Hypochnus rubrocinctus Ehrenb. PUE/VC: Near Orizaba (Nylander, 1858) =
Crypothecia rubrocincta

HYPOGYMNIA BITTERI (Lynge) Ahti Syn.: *Parmelia obscurata*

HYPOGYMNIA ENTEROMORPHA (Ach.) Nyl. Syn.: *Parmelia enteromorpha*;
may be misidentifications, though the species does occur in the Channel Islands
of CA

HYPOGYMNIA IMSHAUGII Krog BC

HYPOGYMNIA PHYSODES (L.) Nyl. BCN (Weber, 1993) Syn.: *Parmelia physodes*.

xHYPOGYMNIA TUBULOSA (Schaerer) Hav. BC (Villavicencio; Patron)

HYPOTRACHYNA BOGOTENSIS (Vainio) Hale CHIA (Hale, 1975), OAX
(Hale, 1975), SIN (Hale, 1975) Syn.: *Parmelia bogotensis*

xHYPOTRACHYNA BREVIRHIZA (Kurok.) Hale SIN (Nash)

HYPOTRACHYNA CONSIMILIS (Vainio) Hale CHIA (Hale, 1975) SIN
(Nash) Syn.: *Parmelia consimilis*

HYPOTRACHYNA COSTARICENSIS (Nyl.) Hale CHIA (Hale, 1975),
MICHO (Hale, 1975), VC (Hale, 1975) Syn.: *Parmelia amoena*

HYPOTRACHYNA CROCEOPUSTULATA (Kurok. in Hale & Kurok.) Hale
TAM (Hale, 1975) SIN (Nash) Syn.: *Parmelia croceopustulata*

HYPOTRACHYNA DACTYLIFERA (Vainio) Hale CHIA (Hale, 1975), CHIH
(Nash 37375); DUR (Hale, 1975), VC (Hale, 1975); BC (Nash 16982) Syn.:
Parmelia dactylifera

HYPOTRACHYNA DENSIHZINATA (Kurok. in Hale & Kurok.) Hale OAX
(Hale, 1975) Syn.: *Parmelia densirhizinata*

HYPOTRACHYNA DENTELLA (Hale & Kurok.) Hale TAM (Hale, 1975)
Syn.: Hypotachyna dentella

HYPOTRACHYNA ENDOCHLORA (Leighton) Hale MICH (Hale, 1975)
Syn.: Parmelia endochlora

XHYPOTRACHYNA ENSIFOLIA (Kurok.) Hale CHIH (Nash 36277); HID
(Nash 35887); SON (Nash 37924)

HYPOTRACHYNA EXSPLENDENS (Hale in Hale & Kurok.) Hale (Hale,
1975) Syn.: Parmelia exsplendens

HYPOTRACHYNA FORMOSANA (Zahlbr.) Hale CHIA (Hale, 1975), MICH
(Hale, 1975) Syn.: Parmelia formosana

HYPOTRACHYNA GIGAS (Kurok. in Kurok. & Hale) Hale OAX (Hale, 1975),
VC (Hale, 1975) Syn.: Parmelia gigas, P. exorrecta

HYPOTRACHYNA GONDYLOPHORA (Hale) Hale CHIA (Hale, 1975), OAX
(Hale, 1975), PUE (Castorena, 1981); VC (Hale, 1975) Syn.: Parmelia
gondylophora

HYPOTRACHYNA IMBRICATULA (Zahlbr.) Hale CHIA (Hale, 1975),
MICH (Hale, 1975), OAX (Hale, 1975), VC (Hale, 1975) SIN (Nash) Syn.:
Parmelia imbricatula

HYPOTRACHYNA ISIDIOCERA (Nyl.) Hale CHIA (Hale, 1975) Syn.:
Parmelia isidiocera

HYPOTRACHYNA KOYAENSIS (Asah.) Hale OAX (Hale, 1975) Syn.:
Parmelia koyaensis

HYPOTRACHYNA LAEVIGATA (Sm.) Hale CHIA (Hale, 1975); CHIH (Nash
36376); OAX (Hale, 1975) Syn.: Parmelia laevigata.

HYPOTRACHYNA MICROBLASTA (Vainio) Hale CHIA (Hale, 1975),
MICH (Hale, 1975) Syn.: Parmelia microblasta

xHYPOTRACHYNA NEODISSECTA (Hale) Hale COAH

XHYPOTRACHYNA OOSTINGII (Dey) Hale HID (Nash 37987)

HYPOTRACHYNA PARTITA (Castorena, 1980)

xHYPOTRACHYNA PASTILLIFERA ? Syn.: *Parmelia pastillifera*

XHYPOTRACHYNA PERUVIANA (Nyl.) Hale HID (Nash 38055)

HYPOTRACHYNA PHYSCIOIDES (Nyl.) Hale CHIH (Nash 37490, as
cf.)PUE (Hale, 1975) Syn.: *Parmelia physcioides*

HYPOTRACHYNA PLURIFORMIS (Nyl.) Hale PUE (Hale, 1975) Syn.:
Parmelia pluriformis

HYPOTRACHYNA PROLONGATA (Kurok.) Hale VC (Coutiño & Mojica,
1985)

"Hypotrachyna protenta" CHIH (Nash 36790)

HYPOTRACHYNA PSEUDOSINUOSA (Asah.) Hale OAX (Hale, 1975) SIN
(Nash) Syn.: *Parmelia pseudosinuosa*

HYPOTRACHYNA PULVINATA (Fée) Hale CHIH (Nash 36313); HID (Nash
35865); JAL (Castorena, 1981; Dávalos & Alvarez, 1987); CHIA (Hale, 1975),
D.F. (Hale, 1975); MEX (Hale, 1975), OAX (Hale, 1975), PUE (Castorena,
1981); SIN (Hale, 1975), VC (Nash 35781) Syn.: *Parmelia pulvinata*

HYPOTRACHYNA RACHISTA (Hale) Hale (Hale, 1975) Syn.: *Parmelia*
rachista (see Hale, 1971: 437 for localities)

HYPOTRACHYNA REVOLUTA (Flørke) Hale HID (Nash 35829); PUE (Nash
35700); VC (Nash 35748, 35763, 35782) Syn.: *Parmelia revoluta*.

xHYPOTRACHYNA CF. RHABDIFORMIS (Kurok.) Hale SIN

HYPOTRACHYNA ROCKII (Zahlbr.) Hale CHIA (Hale, 1975), MEX (Nash
38201); MICHO (Hale, 1975, PUE (Hale, 1975), VC (Hale, 1975) SIN (Nash)
Syn.: *Parmelia rockii*

HYPOTRACHYNA SINUOSA (Sm.) Hale HID (Coutiño & Mojica, 1982);
OAX (Hale, 1975), PUE (Hale, 1975), VC (Hale, 1975) Syn.: *Parmelia sinuosa*

HYPOTRACHYNA SUBAFFINIS (Zahlbr.) Hale CHIA (Hale, 1975) Syn.:
Parmelia subsaxatilis

HYPOTRACHYNA SUBLAEVIGATA (Nyl.) Hale DUR (Hale, 1975), MICH (Hale, 1975) CHIH (Nash 37448); SIN (Hale, 1975; Nash) Syn.: *Parmelia sublaevigata*

HYPOTRACHYNA SUBPLUMBEATA (Dodge) Hale MEX (Hale, 1975) Syn.: *Parmelia subplumbeata*

HYPOTRACHYNA SUBSAXATILIS (de Lesd.) Hale CHIH (Nash 36755); HID (Nash 38086); MICO (Hale, 1975) Syn.: *Parmelia subsaxatilis*.

XHYPOTRACHYNA THYSANOTA (Kurok.) Hale HID (Nash 37988 (exs.))

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XIMSHAUGIA ALEURITES (Ach.) S. F. Meyer CHIH (Nash 36377, 36396); SON (Nash 37906)

XIMSHAUGIA PLACORODIA (Ach.) S. F. Meyer CHIH (Nash 36397)

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JULELLA GEMINELLA (Nyl.) R. C. Harris Syn.: *Polyblastiopsis geminella*, *Verrucaria geminella*

JULELLA LACTEA (Massal.) M. E. Barr BCN (Aptroot, in prep.)

JULELLA SERICEA (Massal.) Coppins SON (Aptroot, in prep.)

JULELLA VITRISPORA (Cooke & Harkness) M. E. Barr BCN (Aptroot, in prep.)

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KAERNEFELTII MERRILII (Du Rietz) Thell BCN (Thell, 1996, Thell & Goward, 1996) Syn.: *Cetraria merrillii*, *Tuckermannopsis merrillii*

+*Karschia pertusariae* Vouaux+ MICO (de Lesdain, 1922) Type missing (Hafellner, 1979)

+*Karschia ricasoliae* Vouaux+ MICO (de Lesdain, 1914) = *Dactylospora lobariella*

KIRSCHTEINOTHELIO AETHIOPS BC (Aptroot in prep.: Nash 12932)

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LASALLIA PAPULOSA (Ach.) Llano BC (Nash 14660, 14662); BCN (Llano. 1950, p. 40); CHIH: Nash 31301, 13591, etc. HID (Llano, 1950 p. 40); SIN: Nash 10213. Syn.: *Lasallia pustulata* ssp. *papulosa*; *Umbilicaria papulosa*, *Gyrophora papulosa* -- var. **LACERATULA** (Vainio) Llano COAH (Llano, 1950, p. 40); MEX (Llano, 1950, p. 40); VC (Llano, 1950, p. 40) Syn.: *Umbilicaria laceratula*

LASALLIA PENSYLVANICA (Hoffm.) Llano Toluca (Llano, 1950, p. 45); BC (Nash 14661); CHIH (Nash 36457, 13680); DUR (Nash 31196); HID (Nash 38140); SIN (Nash 10212); VC (Nash 35750) Syn.: *Umbilicaria pensylvanica*.

+*Lecanactis californica* Tuck. (Tuckerman, 1888, p. 115; I56) BCN (Weber, 1993) = *Sigridia californica*

Lecanactis dimelaenoides Egea & Torrente BCN (Egea & Torrente, 1992) = *Lecanographa dimelaenoides*

Lecanactis insignior (Nyl.) Vainio (Davis, 1936; I56) = *Cresponea leprieurii* (Egea & Torrente, 1994)

+*Lecanactis lividula* Vainio (I56) VC: Mirador (Vainio, 1926) = *Cresponea leprieurii* (Egea & Torrente, 1994)

Lecanactis nashii Egea & Torrente BC (Egea & Torrente, 1992) = *Lecanographa hypothallina*

Lecanactis zahlbruckneri Herre BCN (Egea & Torrente, 1992; Weber, 1993) = *Sigridea californica*

LECANIA DUDLEYI Herre BCN (Weber, 1993; Ryan; check identifications)

+*Lecania mexicana*(!) de Lesd. (I56) TLAX (de Lesdain, 1914)

LECANIA SUBCAESIA de Lesd. (I56) PUE (de Lesdain, 1914)

LECANOGRAPHA DIMELAENOIDES (Egea & Torrente) Egea & Torrente BCN (Egea & Torrente, 1994) Syn.: *Lecanactis dimelaenoides*

LECANOGRAPHA GRUMULOSA (Duf.) Egea & Torrente BCN (Egea & Torrente, 1994)

LECANOGRAPHA HYPOTHALLINA (Zahlbr.) Egea & Torrente BCN (Egea & Torrente, 1994) Syn.: *Lecanactis nashii*, *Schismatomma hypothallina*, *Opegrapha hassei*

LECANOGRAPHA ILLEBROSULA (Müll. Arg.) Egea & Torrente MOR (Egea & Torrente, 1994)

LECANOGRAPHA LYNCEA (Sm.) Egea & Torrente BCN (Egea & Torrente, 1994) BCS (Egea & Torrente, 1994)

Lecanora acopilconis(!) de Lesd. (de Lesdain, 1940; I56)

+**LECANORA ALBELLA** (Pers.) Ach. (Hue, 1892; I56) MICH0 (de Lesdain, 1914) -- +var. *arsenii* de Lesd. MICH0 (de Lesdain, 1914) = *L. caesorubella* subsp. *glaucodes*

Lecanora albomarginata (de Lesd.) Zahlbr. (I56) = *Aspicilia albomarginata*

LECANORA ALLOPHANA Nyl. (I56) Syn.: *L. subfuscata* -- var. *glabrata* (Ach.) Steiner (I56) = *L. glabrata*

Lecanora alphoplaca (Wahlenb. in Ach.) Ach. (I56) = *Lobothallia alphoplaca*

+*Lecanora amabilis*(!) de Lesd. MICH0 (de Lesdain, 1914), PUE (de Lesdain, 1914)

+*Lecanora amphorella* Nyl. PUE/VC: near Orizaba (Nylander, 1858)

LECANORA ARGOPHOLIS (Ach.) Ach. Syn.: *L. frustulosa* auct. (Not reported, but likely in Mex.)

Lecanora atra (Huds.) Ach. (I56) DF (de Lesdain, 1929); PUE/VC: Near Orizaba (Nylander, 1858), VC: Mirador (Vainio, 1926), Llano Chico (de Lesdain, 1933), HID (de Lesdain, 1933), MICH0 (de Lesdain, 1914) = *Tephromela atra* -- var. *americana* Fée (I56) MICH0 (de Lesdain, 1914) -- +var. *dolichospora* de Lesd. (I56) MICH0 (de Lesdain, 1914)

+*Lecanora azulensis* de Lesd. (I56) MICH0 (de Lesdain, 1914)

Lecanora badia (Hoffm.) Ach. (I56) MEX (de Lesdain, 1933) = *Protoparmelia badia*

LECANORA BEAMANII Ryan MEX (Ryan, 1989c); TLAX (Ryan & Nash, in press)

x~~LECANORA BICINCTA~~ Ramond BCN (Nash 38345 det Lumbsch); MEX (Beaman 3447)

x~~LECANORA BIPRUINOSA~~ Fink. ex Hedrick BCN (Ryan); BCS (Nash 12649); D.F. (very recent Nash collection); DUR (Fox coll., US); PUE (Nicolas coll., US); SON (numerous Nash collections; Ryan)

LECANORA BRODOANA Lumbsch & Nash BCS (Lumbsch & Nash, 1995) CHIH (Lumbsch & Nash, 1995; Lumbsch & Feige, 1995); HID (Nash 35888)

+**LECANORA BRUNERI** Imsh. & Brodo (Imshaug & Brodo, 1966)

LECANORA CAESIORUBELLA Ach. (I56) BCS (Nash, 1992, Lich. Exs. 114); CHIH (Nash 36317); HID (Nash 35847, 35868); PUE (Vainio, 1926), VC (Nash 35765) -- subsp. *CAESIORUBELLA* Syn.: *L. canceriformis* -- subsp. *GLAUCOMODES* (Nyl.) Imsh. & Brodo CHIA (Imshaug & Brodo, 1966), MEX (Imshaug & Brodo, 1966, MICHO (Imshaug & Brodo, 1966), OAX (Imshaug & Brodo, 1966), PUE (Imshaug & Brodo, 1966), SLP (Imshaug & Brodo, 1966) Syn.: *L. albella* var. *arsenii* -- subsp. *MERRILLII* Imsh. & Brodo BCN (Imshaug & Brodo, 1966); JAL (Imshaug & Brodo, 1966)

+*Lecanora caesiorugosa*(!) de Lesd. (I56) San Juanico (de Lesdain, 1929); MICHO (de Lesdain, 1914, 1929), PUE (de Lesdain, 1914)

Lecanora calcarea (L.) Sommerf. (I56) = *Aspicilia calcarea*

XLECANORA CALIFORNICA Brodo BCN (Nash 38474) (identification?)

LECANORA CAMPESTRIS (Schaerer) Hue MEX (de Lesdain, 1929); BC (); MICHO (de Lesdain, 1914), SON (Nash) Syn.: *L. subfuscata* var. *campestris*

Lecanora canceriformis (Hoffm.) Vainio (I56) MEX (de Lesdain, 1929); Cuecucuatitla (de Lesdain, 1933) = *L. caesiorubella* subsp. *caesiorubella*

+*Lecanora carneolutescens*(!) Nyl. (Hue, 1892; I56) PUE/VC: Near Orizaba (Nylander, 1858)

xLECANORA CARPINEA (L.) Vainio CHIH (Nash); HID (Nash 38043); MEX (Nash 38176)

Lecanora castaniza Nyl. (I56) (the type at H is very small; the anatomy is not that of Lecanoraceae; may be closest to *L. olivascens*)

LECANORA CENISIA Ach. (I56) CHIH (Nash 36279); D.F. (de Lesdain, 1929); BCN (Brodo, 1984; Weber, 1993); CHIH (Nash)

(LECANORA CHIHUAHUAE Ryan & Nash ined.) CHIH (Nash, etc.) = *L. opiniconensis* s. lato

Lecanora chlarona (Ach.) Nyl. (I56) PUE: Pico de Orizaba (Vainio, 1926) = Lecanora pulicaris -- var. chlarotera (Nyl.) Vainio near Totutla and VC: Mirador (Vainio, 1926), PUE (Vainio, 1926) = *L. chlarotera*

LECANORA CHLAROTERA Nyl. (I56) Syn.: *L. chlarona* var. *chlariotera*

Lecanora cinereocarnea (Eschw. in Mart.) Stizenb. (I56) MICHO (de Lesdain, 1914); Q.R. (Hedrick, 1935); YUC (Hedrick, 1935) = *L. leprosa*

Lecanora cinereoglaucia (de Lesd.) Zahlbr. (I56) = *Aspicilia cinereoglaucia*

Lecanora cinereovirens(!) (Eschw. in Mart.) Nyl. (I56) PUE/VC: Near Orizaba (Nylander, 1858)

x(+LECANORA COAHUILAE Ryan & Nash, ined.) COAH

Lecanora coarctata = *Trapelia coarctata* -- var. *elacista* (Ach.) Schaeerer (I56) El Desierto (de Lesdain, 1929); Contadero (de Lesdain, 1929) D.F. (de Lesdain, 1929); MEX (de Lesdain, 1929)

Lecanora coilocarpa (Ach.) Nyl. (I56) El Desierto (de Lesdain, 1929) = misidentification?

(XLECANORA COMONDUENSIS Hertel & Nash ined.) BCS & CHIH (Nash)

Lecanora conizaea (Ach.) Nyl. ex Crombie = *L. expallens* -- var. *+americana* de Lesd. (I56) MEX (de Lesdain, 1933), MICHO (de Lesdain, 1914) = *L. strobilina* (Laundon, 1976, p. 145)

XLECANORA DEMISSA (Flotow) Zahlbr. CHIH (Nash 37420); HID (Nash 38093, as cf.)

LECANORA DISPERSA (Pers.) Sommerf. BCN (Weber, 1993)

Lecanora distans (Pers. ex Ach.) Nyl. (I56) = *L. populicola*

+*Lecanora estrellae*(!) de Lesd. (I56) D.F. (de Lesdain, 1929, p. 238)

LECANORA EXPALLENS Ach. Syn.: *L. conizaea*

x**LECANORA FARINACEA** Fée BCN (Nash 8682, det. Lumbsch); CHIH (Nash 37240 det. Lumbsch)

+**LECANORA FLAVIDOMARGINATA** de Lesd. (I56) CHIH (Lumbsch & Feige, 1995); PUE (de Lesdain, 1914; Lumbsch & Feige, 1995)

Lecanora flavovirens(!) -- var. *subaeruginosa*(!) (Nyl.) Vainio (I56) Syn.: *L. subaeruginosa*

LECANORA GANGALEOIDES Nyl. BCN (Weber, 1993; Lumbsch & Nash, 1995; Ryan)

x**LECANORA GAROVAGLII** (K'rber) Zahlbr. s. lato (including *L. cascadiensis* H. Magn.) BCN (Nash); SON (Ryan); OAX (Skorepa & Sharp); MEX (Dávalos)

LECANORA GLABRATA (Ach.) Malme Syn.: *L. allophana* var. *glabrata*

Lecanora glaucella(!) (Flotow) Nyl. in Crombie (I56) CHIA: Monterrey (Müller, 1894); MICHO (de Lesdain, 1914)

Lecanora glaucoma (Hoffm.) Ach. (I56) MEX (de Lesdain, 1933) = *L. rupicola*

LECANORA HAGENI (Ach.) Ach. (Linder, 1934; I56)

LECANORA HELVA Stizenb. BCS (Lumbsch & Nash, 1995)

x(+**LECANORA (SOLENOPSORA?) HIDALGOENSIS** Ryan & Nash ined.) HID

LECANORA HORIZA (Ach.) Lindsay (I56; Brodo, 1984) Syn.: *L. parisiensis*, *L. subfuscum* v. *horiza*

+*Lecanora jojultiae* de Lesd. MOR (de Lesdain, 1933)

LECANORA LEPROSA Fée Syn.: *L. cinereocarnea*

xLECANORA MELLEA W. Weber BCN (Nash 38341)

Lecanora mexicana (de Lesd.) Zahlbr. (I56) = Aspicilia mexicana

Lecanora mixcoacensis (de Lesd.) Zahlbr. (I56) = Aspicilia mixcoacensis

LECANORA MURALIS (Schreber) Rabenh. (I56) BCN (Ryan & Nash collections, etc.), CHIH (Weber & Bye L-65210, COLO), COAH (Nash 6746, p.p., H), MICO (?) PUE (Lehto L-21959-f, ASU), SON (Herre, 1944a; may be misidentification), VC (Smith, s.n., WIS) -- var. +flavida (de Lesd.) Zahlbr. MICO = L. "flavidopruinosa" -- var. mexicana (de Lesd.) Zahlbr. = L. sp. (probably L. bipruinosa complex; type apparently lost)

x(LECANORA NASHII Ryan, ined.) CHIH (Weber; Nash); COAH (Nash) DUR (); D.F.? (very recent Nash collection from Mexico City area); HID (Nash 38095); SON (Ryan) -- (var. bajacalifornica Ryan ined.?) BCS (Nash; Wetmore colls, MIN) -- (var. flavida (de Lesd.) Ryan ined.?) MICO Syn.: Squamaria saxicola var. flavida

LECANORA NEONASHII Lumbsch BCS (Lumbsch & Feige, 1995)

+LECANORA NEOSONORENSIS Lumbsch & Nash SON (Lumbsch & Nash, 1995)

XLECANORA NOVOMEXICANA H. Magn. CHIH (Nash 36148)

xLECANORA OPINICONENSIS Brodo s. lato

LECANORA OREINODES (K"rber) Hertel & Rambold BC (Nash 16951); SON (Ryan) Syn.: Lecidea oreinodes, Lecanora tessellina

+Lecanora orizibana(!) Vainio (I56) PUE: Pico de Orizaba (Vainio, 1926)

LECANORA OROSTHEA (Ach.) Ach. (BSMM 3: 14, 1969; Guzmán, 1988)

+LECANORA PACHYSOMA Ryan & Poelt BCN (Ryan, 1989; Nash, 1989, Lich. Exs. 69; Weber, 1993) BCS (Ryan, 1989)

LECANORA PACIFICA Tuck. BCN (Nash, et al., 1979; Brodo, 1984); BCS (Nash, 1995, Lich. Exs. 168) Identifications need checking

Lecanora pallida (Schreber) Rabenh. (I56) El Desierto (de Lesdain, 1929) = L. albella -- var. cancriformis "Tuck." (Eckfeldt, 1893) = L. caesiorubella subsp.

caesiorubella -- var. *pallida* (Imshaug & Brodo, 1966) = *L. albella* v. *albella* --
var. *arsenii* (de Lesd.) Zahlbr. (I56) = *L. caesiorubella* subsp. *glaucomodes*

Lecanora pallidofusca Krempelh. (I56) MICH (de Lesdain, 1914),
TLAXCALA (de Lesdain, 1914) = *L. sulphurascens* (Vänskä, 1986)

Lecanora parisiensis Nyl. BC = *L. horiza*

+*Lecanora pedregalensis*(!) de Lesd. (I56) DF (de Lesdain, 1929, p. 237)

Lecanora pinguis Tuck. (Weber, 1981) BCN (Weber, 1963) = misidentification
of *L. pachysoma*

XLECANORA PINIPERDA Körber BCN (Nash 38325)

LECANORA PLUMOSA Müll. Arg. CHIH (Nash 36280, det. Lumbsch); SON
(Lumbsch & Nash, 1995)

LECANORA POLYTROPA (Hoffm.) Rabenh. (I56) MEX (de Lesdain, 1933)

LECANORA POPULICOLA (DC. in Lam. & DC.) Duby Syn.: *L. subfusca* v.
distans

LECANORA PSEUDISTERA Nyl. BCS (Lumbsch & Nash, 1995) CHIH
(Lumbsch & Nash, 1995) DUR (Lumbsch & Nash, 1995) SIN (Lumbsch &
Nash, 1995) SON (Lumbsch & Nash, 1995)

+LECANORA PUEBLAE Ryan & Nash PUE (Ryan & Nash, 1995)

LECANORA PULICARIS (Pers.) Ach. Syn.: *L. chlarona*

Lecanora punicea Ach. PUE/VC: Near Orizaba (Nylander, 1858) =
Haematomma puniceum, but misidentification

Lecanora radiosoides (Hoffm.) Schaer. (I56) = *Lobothallia radiosoides*; probably a
misidentification

LECANORA RUPICOLA (L.) Zahlbr. BC Syn.: *L. glaucoma* Check against *L.*
bicincta

x(LECANORA RYANII Nash ined.) BCS (Nash 33888, Exs.)

Lecanora salazarensis (de Lesd.) Zahlbr. (I56) = *Aspicilia salzarensis*

xLECANORA SALIGNA (Schrader) Zahlbr. BC ?

Lecanora saxicola (Poll.) Ach. (I56) = L. muralis

LECANORA SIERRAE Ryan & Nash BCN (Ryan & Nash, 1993)

+LECANORA SONORAE Ryan & Nash OAX (Ryan & Nash, 1989b); SON (Ryan & Nash, 1989b)

LECANORA STROBILINA (Sprengel) Kieffer (Purvis, et al., 1992); MICHO (Giralt & Gomez-Bolea, 1991, p. 111) Syn.: L. conizaea var. americana

Lecanora subaeruginosa Nyl. El Desierto (de Lesdain, 1933) = L. flavovirens var. subaeruginosa

LECANORA SUBCARNEA (Liljeblad) Ach. (I56) BCN (Nash 38384), MICHO (de Lesdain, 1914)

LECANORA SUBFLAVA Tuck. (I56) PUE: Pico de Orizaba (Vainio, 1926)

Lecanora subfuscata (L.) Ach. (Krempelhuber, 1876: "form"; I56) PUE/VC: Near Orizaba (Nylander, 1858) UC (Hedrick, 1935) = Lecanora allophana -- var. albella (Pers.) PUE/VC: Near Orizaba (Nylander, 1858) = L. albella -- f. allophana Ach. MICHO (de Lesdain, 1914) YUC (Hedrick, 1935) = L. allophana -- var. campestris (Schaerer) Rabenh. (I56) = L. campestris -- var. rugosa Nyl. (I56) PUE (de Lesdain, 1933) -- var. glabrata Ach. MEX (de Lesdain, 1929) = L. glabrata -- var. subgranulata Nyl. (I56) MICHO (de Lesdain, 1914) -- var. distans (Pers.) Ach. D.F. (Nylander, 1872) = L. populicola -- f. horiza Ach. CHIA: Monterrey (Müller, 1894); PUE (de Lesdain, 1914) = L. horiza

LECANORA SULPHURESCENS Fée Syn.: L. pallidofusca

LECANORA SYMMICTA (Ach.) Ach. BC (Nash 9804, as "cf.") Syn.: L. symmictera

Lecanora symmictera Ach. (I56) Tenango del Valle (de Lesdain, 1933) = Lecanora symmicta.

Lecanora tesselina (Tuck.) Zahlbr. (I56) = Lecanora oreinoides

Lecanora testaceorubra (de Lesd.) Zahlbr. (I56) = Aspicilia testaceorubra

Lecanora thelococcoides Nyl. (Nylander, 1891, p. 37) = *Acarospora thelococcoides*

LECANORA VALESIACA (Müll. Arg.) Stizenb. SON (Ryan, 1990; Nash, 1992, Lich. Exs. 117)

Lecanora varia (Hoffm.) Ach. (I56) PUE/VC: Near Orizaba (Nylander, 1858) = probably misidentifications.

Lecanora ventosa Ach. PUE/VC: Near Orizaba (Nylander, 1858) = *Ophioparma ventosum*. Misidentification.

+**LECANORA VIRIDULOFLOAVA** de Lesd. (I56; Brodo, 1984) MICH (de Lesdain, 1922), PUE (de Lesdain, 1914)

Lecanora vulcanicola(!) (de Lesd.) Zahlbr. (I56) Syn.: *Parmularia vulcanicola* = ? (a lobate species; type apparently lost)

Lecanora xanthophhana Nyl. (Tuckerman, 1872) = *Acarospora xanthophhana*

+**LECANORA XANTHOSORA** Ryan & Poelt BCN (Ryan, 1989); SIN (Nash; Wetmore colls., MIN)

Lecanora "sp. #8"(!) (Brodo, 1984)

+**LECIDIA AMABILIS** de Lesd. in H. Magn., non Müll. Arg., (nom. illegit.?) (I56) The name is accepted by Esslinger, but it is a later homonym

Lecidea athroocarpa (Ach.) Ach. (I56) MEX (de Lesdain, 1933) = *Immersaria athroocarpa*

LECIDIA ATROBRUNNEA (Ramond in Lam. & DC.) Schaeerer BC (?); CHIH (Nash 36461, as cf.) Identification needs checking

Lecidea auriculata Th. Fr. -- var. *diducens* (Nyl.) Th. Fr. (I56) MEX (de Lesdain, 1933) = *L. diducens*

Lecidea breviuscula Nyl. -- var. *glaucina* Vainio VC: Mirador (Vainio, 1926) = *Phyllopsora breviuscula* var. *glaucina*

+*Lecidea byssiseda* Hue PUE/VC: Near Orizaba (Nylander, 1858) = *Phyllopsora byssiseda* (Swinscow & Krog, 1981)

+*Lecidea carporhizans*(!) Vainio (I56) VC: Mirador (Vainio, 1926)

+*Lecidea cinereonigrella*(!) Vainio (I56) Paso del Correo (Vainio, 1926)

Lecidea concava (de Lesd.) Zahlbr. (de Lesdain, 1910, p. 461; I56) = *Psora concava*

+*Lecidea contrerasii*(!) de Lesd. (I56) DF (de Lesdain, 1933)

Lecidea coroniformis Krempelh. PUE (Vainio, 1926) = *Psora crenata* var. *coroniformis*

Lecidea crenata (Taylor) Stizenb. SON (Herre, 1944a; I56) = *Psora crenata* -- var. *coroniformis* (Krempelh.) Zahlbr. (I56) = *Psora crenata* var. *coroniformis*

Lecidea cyanea (Ach.) Röhl. (I56) D.F. (de Lesdain, 1933) = *L. tessellata*

Lecidea disciformis (Fr.) PUE/VC: Near Orizaba (Nylander, 1858) = *Buellia disciformis*

Lecidea dispersa(!) (Eckf.) Zahlbr. (I56) Syn.: *Biatora dispersa*

LECIDIA DIDUCENS Nyl. Syn.: *L. auriculata* var. *diducens*

Lecidea endochroma (Fée) PUE/VC: Near Orizaba (Nylander, 1858) = ?

Lecidea endoleuca f. *laurocerasi* (Del. in Dub.) Anzi Desierto Viejo (Nylander, 1872) = *Bacidia laurocerasi*

Lecidea enteroleuca auct. (Davis, 1936; I56) = *Lecidella* sp.

Lecidea floculescens(!) (Eckf.) Zahlbr. (I56) Syn.: *Biatora floculescens*

Lecidea furfuracea Pers. in Gaud. (I56) VC: Between Mirador and Chiota (Vainio, 1926) = *Phyllopsora furfuracea*

LECIDIA FUSCOATRATA Nyl. (I56) MICH (de Lesdain, 1914)

LECIDIA CF. FUSCOATRA (L.) Ach. BCN (Weber, 1993)

Lecidea fuscorubescens(!) Nyl. (I56) VC: Mirador (Vainio, 1926)

Lecidea globifera Ach. (Linder, 1934; I56) = *Psora globifera*

Lecidea goniophila auct. (I56) MICHÓ (de Lesdain, 1914, 1922) = *Lecidella anomalooides* -- var. +minor de Lesd. (I56) MICHÓ (de Lesdain, 1914) -- var. *atrosanguinea* f. *pungens* (Körber) Vainio Santa Fe (de Lesdain, 1929); D.F.(!) (de Lesdain, 1929)

+*Lecidea goniophloides*(!) de Lesd. (I56) DF (de Lesdain, 1933)

+*Lecidea granifera*(!) (Ach.) Vainio (Davis, 1936; I56)

Lecidea granulosa (Ehrh.) Ach. (Davis, 1936; I56) = *Trapeliopsis granulosa*

Lecidea icterica (Mont.) Tayl. (I56) PUE (Vainio, 1926), Consoquitla (Vainio, 1926), VC: Mirador (Vainio, 1926) = *Psora icterica*

+*Lecidea jajalpae*(!) de Lesd. (I56) E. Mexico: Jajalpa (de Lesdain, 1933)

+*Lecidea jeronimonis*(!) de Lesd. (I56) DF (de Lesdain, 1933)

Lecidea latypiza Nyl. (I56); D.F. (de Lesdain, 1929); MEX (de Lesdain, 1929); MICHÓ (de Lesdain, 1914), TLAX (de Lesdain, 1914) = *Lecidella carpathica* -- f. +*cinereoviridula* de Lesd. (I56) D.F. (de Lesdain, 1929)

Lecidea leucoxantha Sprengel PUE/VC: Near Orizaba (Nylander, 1858) = *Brigantiae leucoxantha*

LECIDÉA LURIDA Ach. (Source of info.?) Syn.: *Psora lurida*

Lecidea lutea var. *eximia* (I56) = *Dimerella lutea* var. *eximia*

Lecidea luteola Ach. PUE/VC: Near Orizaba (Nylander, 1858) = ? -- var. *endoleuca* Nyl. PUE/VC: Near Orizaba (Nylander, 1858) = ?

Lecidea meiosperma Nyl. D.F. (Nylander, 1872)

Lecidea mexicana (de Lesd.) Zahlbr. (I56) = *Psora mexicana*

Lecidea michoacanensis (de Lesd.) Zahlbr. (I56) = *Psora michoacanensis*

Lecidea millegrana (Taylor "sub. Lecan.") PUE/VC: Near Orizaba (Nylander, 1858) = *Bacidia millegrana*

+*Lecidea miradorensis* Vainio (I56) VC: Mirador (Vainio, 1926) = *Phyllopsora corallina* v. *santensis*

+*LECIDIA MORELIENSIS* de Lesd. (I56) MICHO (de Lesdain, 1914)

LECIDIA MUTABILIS Fée (I56) PUE/VC: Near Orizaba (Nylander, 1858),
MICHO (de Lesdain, 1914)

Lecidea nicolai (de Lesd.) Zahlbr. (I56) = *Psora nicolai*

Lecidea nigrorufa (de Lesd.) Zahlbr. (I56) = *Psora nigrorufa* -- var. *terrena* (de
Lesd.) Zahlbr. (I56)

+*Lecidea ochraceopruinosa*(!) de Lesd. (I56) PUE (de Lesdain, 1914)

Lecidea oreinoides (Körber) W. Weber & Hertel = *Lecanora oreinoides*

Lecidea ostreata (Hoffm.) Schaeerer (I56) = *Hypocenomyce scalaris*

Lecidea parasema Ach. (I56) PUE/VC: Near Orizaba (Nylander, 1858), MEX (de
Lesdain, 1933), PUE (de Lesdain, 1914) = ??

Lecidea parvifolia var. *corallina* (Eschw. in Mart.) = *Phyllopsora parvifolia* var.
corallina

Lecidea piperis(!) (Sprengel) Nyl. (Davis, 1936; I56) = new genus -- var.
erythroplaca(!) (Fée) Krempelh. (I56) *Paso del Correo* (Vainio, 1926), *Jovo*
(Vainio, 1926)

Lecidea pungens(!) (Körber) Nyl. in Lamy (I56)

Lecidea quernea (Dickson) Ach. (I56) = *Pyrrhospora quernea*

Lecidea rosella Pers. PUE/VC: Near Orizaba (Nylander, 1858) = *Bacidia rosella*

Lecidea rufonigra (Tuck.) Nyl. (I56) = *Psorula rufonigra*

Lecidea russellii Tuck. (I56) = *Psora russellii* -- f. *dealbata* (Tuck.) Zahlbr. (I56)

Lecidea russula Ach. (I56) PUE/VC: Near Orizaba (Nylander, 1858), VC:
Mirador (Vainio, 1926), HID (de Lesdain, 1929), MICHO (de Lesdain, 1914) =
Pyrrhospora russula

+*Lecidea salazarensis*(!) de Lesd. (I56) MEX (de Lesdain, 1933)

Lecidea schizophylodes Vainio VC: Mirador (Vainio, 1926) = *Phyllopsora corallina* var. *schizophylloides*

+*LECIDIA SUBAGLAEA* de Lesd. (I56) MEX (de Lesdain, 1933) BC (?); CHIH (Nash 37744); SON (Ryan)

+*Lecidea subcontinuior* de Lesd. (I56) MICH (de Lesdain, 1914) = *Lecidella carpathica*

+*Lecidea submutabilis*(!) de Lesd. (I56) MICH (de Lesdain, 1914)

+*LECIDIA TENAYUCAE* de Lesd. (I56) Tenayuca (de Lesdain, 1929, p. 240; Magnusson, 1936)

LECIDIA TESSELLATA Flörke (I56) MEX (de Lesdain, 1929) BC (Nash); CHIH (Nash); HID (Nash 35890) Syn.: *L. cyanea* -- var. +mexicana(!) de Lesd. (I56) MICH (de Lesdain, 1914)

Lecidea tessellina Tuck. MICH (de Lesdain, 1914) = *Lecanora oreinodes*

+*Lecidea tolucae*(!) de Lesd. (I56) MEX (de Lesdain, 1933)

Lecidea tuberculosa Fée PUE/VC: Near Orizaba (Nylander, 1858) = *Megalospora tuberculos*

Lecidea versicolor Fée PUE/VC: Near Orizaba (Nylander, 1858) = *Catinaria versicolor*

LECIDELLA ANOMALOIDES (Massal.) Hertel & Kilius Syn.: *Lecidea goniophila* auct. -- var. minor (de Lesd.) ined? Syn.: *Lecidea goniophila* var. minus

LECIDELLA ASEMA (Nyl.) Knoph & Hertel BCN (Knoph & Hertel, 1994); BCS (); SON (Knoph & Hertel, 1994) Syn.: *L. elaeochromoides*

LECIDELLA CARPATHICA Körber BCN (Knoph & Hertel, 1994) SON (Knoph & Hertel, 1994) Syn.: *Lecidea carpathica*, *L. subcontinuior*; *L. latypiza* -- f. *cinereoviridula* (de Lesd.) ined.? Syn.: *Lecidea latypiza* f. *cinereoviridula*

XLECIDELLA ELAEOCHROMA (Ach.) Hazsl. BCN (Nash 38428); CHIH (Nash 37703)

Lecidella elaeochromoides (Nyl.) Knoph & Hertel BCN (Knoph & Hertel, 1994)
= *L. asema*

LECIDELLA ENTEROLEUCELLA (Nyl.) Hertel BCN (Knoph & Hertel, 1994)
SON (Knoph & Hertel, 1994)

XLECIDELLA EUPHOREA (Flörke) Hertel BCN (Nash 38326)

LECIDELLA PATAVINA (Massal.) Knoph & Leuckert in Knoph BC (Knoph & Hertel, 1994)

x**LECIDELLA STIGMATEA** (Ach.) Hertel BC (?); CHIH (Nash 37748)

Lecidella subincongrua var. *elaeochromoides* (Nyl.) Hertel & Leuck. BCN
(Weber, 1993) = *L. asema*

XLECIDELLA VIRIDANS (Flotow) Körber HID (Nash 35891)

XLECIDOMA DEMISSUM (Rustr.) Gotth. Schneider & Hertel VC (Nash 35738)

LECIOGRAPHA SP. BCN (Weber, 1993)

Lepraria flava (Schreb.) Ach. (I56) MICHO (de Lesdain, 1914) = *Chrysotrix candelaris*

Lepraria finkii R. C. Harris VC (Coutiño & Mojica, 1985) = *L. lobificans*

LEPRARIA LOBIFICANS Nyl. VC Syn. *L. finkii*

LEPRARIA SP. Syn.: *Crocynia lanuginosa*

LEPRARIA SP. Syn.: *Crocynia mexicana*

LEPROCAULON ALBICANS (Th. Fr.) Nyl. ex Hue BC ? CHIH (Nash); HID (Nash 35891) Syn.: *Stereocaulon albicans*

LEPROCAULON MICROSCOPICUM (Vill.) Gams ex D. Hawksw. BCN (Weber, 1993); BCS (Nash) Syn.: *Stereocaulon quisquilare*

CF. **LEPROCAULON** SP. BCN (Weber, 1993) = probably *Leproloma* sp.

x**LEPROLOMA VOUAUXII** (Hue) J. R. Laundon BCN (Nash 14721)

xLEPROLOMA? spp. BCN Syn.: Siphula sp.; cf. Leprocaulon sp.?

XLEPTOCHIDIUM ALBOCILIATUM (Desmaz.) Choisy BCN (Nash 38350)

LEPTOGIUM ACUTISPORUM P. Jorg. MEX: Desierto (Jorgensen, 1975)

+LEPTOGIUM ADPRESSUM Nyl. (I56; Sierk, 1964) Syn.: L. phyllocarpum f. adpressa

LEPTOGIUM AMERICANUM Degel. MOR (González de la Rosa & Guzmán, 1976).

xLEPTOGIUM ARSENEI Sierk CHIH (Nash)

LEPTOGIUM AZUREUM (Swartz) Mont. El Desierto (de Lesdain, 1929) CHIA (Dávalos & Alvarez, 1987); JAL (Dávalos & Alvarez, 1987, p. 222) CHIH (Nash) Syn.: L. tremelloides var. azureum Note: Guzmán (1988) cited the reports by Dávalos & Alvarez (1987) under L. phyllocarpum, which may mean that those reports were based on misidentifications of that species.

Leptogium bullatum(!) (Swartz in Ach.) Mont. (Krempelhuber, 1868; I56) PUE/VC: Near Orizaba (Nylander, 1858), VC: Mirador (Vainio, 1926), CHIA (Vainio, 1926), YUC (Hedrick, 1935) -- var. +dactylinoidium(!) Nyl. (Nylander, 1858, p. 338; Hue, 1892; I56)

x?LEPTOGIUM BURGESSII (L.) Mont. CHIH (Nash) Needs to be checked against L. inflexum

LEPTOGIUM BURNETIAE Dodge Syn.: L. menziesii var. coralloideum

LEPTOGIUM BYSSINUM (Hoffm.) Zwackh ex Nyl. (I56) Syn.: Collema byssinum

Leptogium caesium (Ach.) Vainio (I56) = L. cyanescens -- var. pichneum (Ach.) Vainio (I56) VC: Mirador (Vainio, 1926) -- var. trachynum Vainio (I56) CHIA (Vainio, 1926), Alpatlahua (Vainio, 1926)

xLEPTOGIUM CALIFORNICUM Tuck. BC (Nash); COAH (Nash); CHIH (Nash)

+LEPTOGIUM CHLOROMELUM (Swartz ex Ach.) Nyl. (I56; Sierk, 1964) Jajalpa (de Lesdain, 1933), MICHO (de Lesdain, 1914, 1922), PUE (de Lesdain, 1914); YUC (Hedrick, 1935) -- var. laevius(!) Nyl. (I56) MICHO (de Lesdain,

1914, 1922) -- var. +subruginosum(!) (Nyl.) Hue (I56) Syn.: Collema chloromelum var. subruginosum

LEPTOGIUM CORALLOIDEUM (Mey. & Flotow) Vainio (I56) El Desierto (de Lesdain, 1929); CHIA (Vainio, 1926); VC (Vainio, 1926)

+Leptogium corrugatum Nyl. (Nylander, 1858, p. 132; Hue, 1892; I56) = L. marginellum (Sierk, 1964)

LEPTOGIUM CORTICOLA Tuck. (Guzmán, 1988) HID (González de la Rosa & Guzman, 1976), MOR (González de la Rosa & Guzman, 1976), SLP (González de la Rosa & Guzmán, 1976).

LEPTOGIUM CRENAEELLUM (Nyl.) Tuck. (Davis, 1936; I56) (= L. rivulare (Jorgensen, 1983)

LEPTOGIUM CYANESCENS (Rabenh.) Körber BCS (Nash); COAH (Nash); N.L. (); SIN (Nash) Syn.: L. caesium, L. tremelloides auct. -- var. impressopunctatum(!) (Tuck. in Williams) ined.? Syn.: L. tremelloides var. impressopunctatum -- var. pichneum(!) (Ach.) ined.? Syn.: L. caesium var. pichneum -- var. rugulosum(!) (Nyl.) ined.? Syn.: L. tremelloides var. rugulosum -- var. trachynum(!) (Vainio) ined.? Syn.: L. caesium var. trachynum -- var. scotinoides(!) (Nyl.) ined.? Syn.: L. tremelloides var. scotinoides

xLEPTOGIUM CF. DACTYLINUM Tuck. COAH (Nash); N.L. (Nash)

Leptogium daedaleum(!) (Flotow) Nylander (I56) VC (Vainio, 1926)

LEPTOGIUM DENTICULATUM Tuck. No localities cited (Sierk, 1964) CHIH (Nash); HID (Nash 38011); MICHO SIN (Nash); SON (Nash)

Leptogium diaphanum(!) (Sw.) Mont. (I56) MICHO (de Lesdain, 1914)

xLEPTOGIUM DIGITATUM (Massal.) Zahlbr. CHIH (Nash); HID (Nash 38146)

+Leptogium foveolatum(!) Nyl. (Nylander, 1858, p. 124; Herre, 1920: "not strongly differentiated from L. reticulatum"; I56) PUE/VC: Near Orizaba (Nylander, 1858), HID (Nash 35856); SIN

LEPTOGIUM FURFURACEUM (Harm.) Sierk (Jorgensen, 1975) CHIH (Nash) COAH HID (Nash 38013); SON (Nash) MEX TLAX (González de la Rosa &

Guzmán, 1976) Syn.: *L. hildenbrandii* var. *furfuraceum* -- var. *papillosum*(!) (de Lesd.) ined.? Syn.: *L. hildenbrandii* var. *papillosum*

LEPTOGIUM HILDENBRANDII (Garov.) Nyl. (I56) El Desierto and Contadero (de Lesdain, 1929); D.F. (de Lesdain, 1922; González de la Rosa & Guzman, 1976), MEX (González de la Rosa & Guzman, 1976), MICHO (de Lesdain, 1922), MOR (González de la Rosa & Guzman, 1976), PUE (de Lesdain, 1914, 1922), YUC (Hedrick, 1935). -- var. *furfuraceum* Harm. (I56) PUE (de Lesdain, 1914) = *L. furfuraceum* -- var. +*papillosum* de Lesd. (I56) El Desierto (de Lesdain, 1929); MICHO (de Lesdain, 1914), PUE (de Lesdain, 1914) = *L. papillosum*

LEPTOGIUM HIRSUTUM Sierk HID (González de la Rosa & Guzmán, 1976).

+**LEPTOGIUM HYPOTRACHYNUM** Müll. Arg. (Müller, 1881, p. 81; I56; Sierk, 1964) CHIH (Nash)

+**LEPTOGIUM INFLEXUM** Nyl. (Tuckerman, 1872; Hue, 1892; Williams, 1895; I56; Sierk, 1964) PUE/VC: Near Orizaba (Nylander, 1858) -- var. *isidiosulum* Nyl. (Williams, 1895; I56) = *L. laceroides*

Leptogium isidiosulum (Sierk, 1964) = *L. laceroides*

x**LEPTOGIUM JUNIPERINUM** Tuck. COAH (Nash)

+**LEPTOGIUM LACEROIDES** de Lesd. (I56) MEX: Jajalpa (de Lesdain, 1933); (Jorgensen, 1973, as "(de Lesd.) P. Jorg.") Syn.: *L. inflexum* var. *isidiosulum*

Leptogium leptophyllum(!) (Mey. & Flotow) Zahlbr. (I56) VC (Vainio, 1926)

x**LEPTOGIUM LICHENOIDES** (L.) Zahlbr. BCN (Nash 38349); COAH (Nash)

LEPTOGIUM MARGINELLUM (Swartz) Gray (Hue, 1892; Herre, 1920; Davis, 1936; I56) CHIA (Vainio, 1926), Chinantla (Vainio, 1926), VC (Vainio, 1926), Consoquitla (Vainio, 1926) PUE Syn.: *L. corrugatum*

Leptogium menziesii (Sm. in Ach.) Mont. (I56) El Desierto (de Lesdain, 1929); PUE (de Lesdain, 1914) -- var. *coralloideum* Jatta (I56) D.F. (de Lesdain, 1929) = *L. burnetiae* (Jorgensen, 1973)

+**LEPTOGIUM MICROSTICTUM** Vainio (I56) (Sierk, 1964) CHIA (Vainio, 1926), Papantla (Vainio, 1926)

xLEPTOGIUM MILLEGANUM Sierk CHIH (Nash); SIN (Nash); SON (Nash)

Leptogium myochroum (Bernh.) Nyl. in Lamy (Davis, 1936; I56) = *L. saturninum* (Sierk, 1964) -- var. *tomentosum* (Hoffm.) Tuck. (Davis, 1936; I56) = *L. saturninum* (Sierk, 1964)

Leptogium olivaceum(!) (Hook. in Kunth) Zahlbr., nom. illegit.? (non F. Wilson) (I56) La Hoya (Vainio, 1926), Yalata (Vainio, 1926), OAX?: Sempoaltepec (Vainio, 1926), PUE: Pico de Orizaba (Vainio, 1926).

LEPTOGIUM PAPILLOSUM (de Lesd.) Dodge Sierra de Las Cruces, alt. c. 3000 m (Jorgensen, 1975), MICH (Jorgensen, 1973, 1975), OAX (Jorgensen, 1973) Syn.: *L. hildenbrandii* var. *papillosum*

LEPTOGIUM PHYLLOCARPUM (Pers.) Mont. (Krempelhuber, 1868; I56; Weber, 1981; Guzmán, 1988); valle Cordovensi (Nylander, 1872), Desierto Viejo (Nylander, 1872), Huitzilac (de Lesdain, 1933), D.F. (de Lesdain, 1929; González de la Rosa & Guzman, 1976), MEX (de Lesdain, 1929; González de la Rosa & Guzman, 1976), HID (Ruiz Oronoz, 1937; González de la Rosa & Guzmán, 1976), JAL (González de la Rosa & Guzman, 1976), MICH (de Lesdain, 1922; González de la Rosa & Guzman, 1976), MOR (González de la Rosa & Guzman, 1976) PUE (de Lesdain, 1922), SLP (Nylander, 1872), SIN (Nash); VC (González de la Rosa & Guzman, 1976). --var. *coralloideum* (Mey. & Flot.) Müll. Arg. D.F. (Gibert, 1935), PUE (de Lesd., 1922) =? *L. coralloideum* -- var. *+isidiosum*(!) Nyl. (Nylander, 1858, p. 130; I56) -- var. *macrocarpum*(!) Nyl. (I56) Aquas Santas (Vainio, 1926), Totutla (Vainio, 1926), La Hoya (Vainio, 1926), CHIA (Vainio, 1926), MICH (de Lesdain, 1922), PUE (de Lesdain, 1922), PUE/VC: Pico de Orizaba (Vainio, 1926) VC (Vainio, 1926) -- f. *adpressa* Nyl. PUE/VC: Near Orizaba (Nylander, 1858) = *L. adpressum*

Leptogium pulcellum (Ach.) Nyl. (I56) MEX (de Lesdain, 1929); PUE/VC: Near Orizaba (Nylander, 1858) = *Collema pulcellum*

+LEPTOGIUM PUNCTULATUM Nyl. (Hue, 1892; I56) Valle Cordovensi (Nylander, 1872), VC (Vainio, 1926), Aguas Santos and Dos Puentes (Vainio, 1926)

LEPTOGIUM RESUPINANS Nyl. (I56) PUE (de Lesdain, 1914)

Leptogium reticulatum(!) Mont. (I56) VC: Mirador (Vainio, 1926)

xLEPTOGIUM RUGOSUM Sierk CHIH (Nash); SON (Nash)

LEPTOGIUM SATURNINUM (Dickson) Nyl. BC (Nash 14675); CHIH (Nash 37537); HID (Nash 38014) Syn.: *L. myochroum*

LEPTOGIUM TENUISSIMUM (Dickson) Körber BCN (Weber, 1993)

Leptogium tremelloides auct. (I56) Guajimalpa (de Lesdain, 1914, 1922), CAMP (Hedrick, 1935); MICH (de Lesdain, 1922), PUE (de Lesdain, 1914); PUE/VC: Near Orizaba (Nylander, 1858); YUC (Hedrick, 1935) = misidentifications of *L. cyanescens* -- var. *azureum* (Sw. in Ach.) Nyl. (I56) PUE/VC: Near Orizaba (Nylander, 1858) = *L. azureum* -- var. *+impressopunctatum* Tuck. in Williams (Williams, 1895; I56) -- var. *rugulosum* Nyl. (Hue, 1892; I56) Desierto Viejo (Nylander, 1872) -- var. *scotinoides* Nyl. (I56) MICH (de Lesdain, 1914) -- var. *caesium* (Ach.) Hue DF (de Lesdain, 1922), QUER (de Lesdain, 1922) = *L. cyanescens*

Leptogium ulvaceum(!) -- var. *laevigatum*(!) Vainio (I56) OAX?: Sempoaltepec (Vainio, 1926) -- var. *ryssaleum*(!) Vainio (I56) Cabrestros (Vainio, 1926); Totutla (Vainio, 1926), VC (Vainio, 1926),

Leptogium undulans(!) Vainio (I56) VC (Vainio, 1926)

Leptotrema auberianum (Mont.) Fink YUC (Hedrick, 1935) = *Ocellularia auberiana*

Leptotrema glaucescens (Nyl.) Müll. Arg. (Davis, 1936; I56) = *Myriotrema glaucescens*

Leptotrema mastoideum Müll. Arg. (Davis, 1936; I56) CHIA: Monterrey (Müller, 1894) = ?

Leptotrema microsporum Zahlbr. (Hale, 1978) = *Ocellularia microspora* (Hale, 1980)

Leptotrema santense (Tuck.) Zahlbr. (Davis, 1936; I56) = *Thelotrema santense*

Leptotrema wightii (Taylor) Müll. Arg. (I56) = *Myriotrema wightii*

Lethagrium nigrescens Massal. (Krempelhuber, 1876) = *Collema nigrescens*

x~~LETHARIA~~ COLUMBIANA (Nutt.) J. W. Thomson BCN (Nash)

LETHARIA VULPINA (L.) Hue. (Zahlbruckner, 1912; I56) PUE (Herre, 1944b); VC (Coutiño & Mojica, 1985)

LETROUITIA DOMINGENSIS (Pers.) Hafellner & Bellem. SLP (Hafellner, 1981); VC: Mirador (Hafellner, 1981); Q.R. (Hafellner, 1981); YUC (Hafellner, 1981) Syn.: *Bombyliospora domingensis*

LETROUITIA FLAVIDULA (Tuck.) Hafellner VC (Hafellner, 1981) Syn.: *Bombyliospora domingensis* v. *inexplicata*

LETROUITIA VULPINA (Tuck.) Hafellner & Bellem. VC: Mirador (Hafellner, 1981); Q.R. (Hafellner, 1981); CAMP (Hafellner, 1981) Syn.: *Lopadium vulpinum*

LICHENOCONIUM XANTHORIAE M. S. Christ.* SON (Triebel, et al., 1991)

LICHINELLA AMERICANA Henssen BC (Henssen, et al., 1985)

LICHINELLA FLEXA Henssen, Büdel & Nash BC (Henssen, et al., 1985)

LICHINELLA INTERMEDIA Henssen, Büdel & Nash BC (Henssen, et al., 1985)

LICHINELLA NIGRITELLA (Lettau) Moreno & Egea SON (Ryan) Syn.: *Gonohymenia nigritella*, *Thyrea nigritella*

LICHINELLA ROBUSTOIDES Henssen, Büdel & Nash SON (Henssen, et al., 1985)

LICHINELLA STIPATULA Nyl. (Henssen, et al., 1985)

Lobaria adscripturiens(!) (Nyl.) Hue (I56) Tonaguia (Vainio, 1926)

LOBARIA AMPLISSIMA (Scop.) Forss. (I56) VC (Herre, 1944b);

+*Lobaria conformis(!)* Vainio (I56) PUE: Pico de Orizaba (Vainio, 1926)

Lobaria corrosa(!) (Ach.) Vainio (Herre, 1920; I56) MICHO (de Lesdain, 1922)

Lobaria dissecta(!) (Sw.) Raeuschel (Herre, 1920; I56) VC: Mirador (Vainio, 1926), JAL (Herre, 1944b), MICHO (de Lesdain, 1914), NAY (Herre, 1944b)

LOBARIA EXORNATA (Zahlbr.) Yoshim. -- var. **EXORNATA TAM** (Yoshimura, 1984)

Lobaria herbacea (Huds.) DC. in Lam. & DC. (Tuckerman, 1882; I56) = *L. virens* (Nimis, 1993)

+*Lobaria intermedia*(!) (Nyl.) Vainio (I56) Syn.: *Ricasolia intermedia*

Lobaria minor(!) (Nyl.) Vainio (I56) *Doneguia* (Vainio, 1926), *Jacotepec* (Vainio, 1926)

LOBARIA PALLIDA (Hook. in Kunth) Trevisan (I56) **MICHO** (Yoshimura, 1980), **OAX** (Yoshimura, 1984) Syn.: *Ricasolia pallida*

Lobaria platyloba(!) (Nyl.) Vainio (I56) Syn.: *Ricasolia platyloba*

LOBARIA QUERZICANS Michaux (I56) **HID** (Nash 37990); **VC** (Herre, 1944b) Syn.: *Sticta querzicans*

+**LOBARIA SUBCORROSA** (Nyl.) Vainio (I56) **HID** (Nash 38052); **SIN** (Nash, 1992, Lich. Exs. 120) Syn.: *Ricasolia subcorrosa*

Lobaria subdissecta(!) (Nyl.) Vainio (I56) **MICHO** (de Lesdain, 1914)

LOBARIA SUBEXORNATA Yoshim. **DUR** (Yoshimura, 1984), **OAX** (Yoshimura, 1984)

LOBARIA VIRENS (With.) Laundon Syn.: *L. herbacea*

LOBOTHELLIA ALPHOPLACA (Wahlenb. in Ach.) Hafellner Syn.: *Lecanora alphoplaca*

x**LOBOTHELLIA PRAERADIOSEA** (Nyl.) Hafellner **BCN** (Nash 38481); **CHIH** (Nash)

Lopadium fuscoluteum (Dickson) Mudd (I56) -- var. *bisporum* de Lesd., nom. nud. = *Brigantiaeae fuscolutea*

Lopodium leucoxanthum (Sprengel) Zahlbr. (I56) = *Brigantiaeae leucoxantha*

+*Lopodium miradorense*(!) (Vainio) Zahlbr. (I56) Syn.: *Sporopodium miradorense*

Lopodium vulpinum (Tuck.) Zahlbr. (Davis, 1936; I56) = *Letrouitiae vulpina*

xLOXOSPORA OCHROPHAEA (Tuck.) R. C. Harris BC (?; as Haematomma)

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MAZOSIA DISPERSA (Hedrick) R. Sant. (I56) (Santesson, 1952) Q.R. Syn.:
Calenia dispersa

MAZOSIA PHYLLOSEMA (Nyl.) Zahlbr. CHIA (Kalb & Vezda, 1988)

MAZOZIA ROTULA (Mont.) Massal. CHIA (Kalb & Vezda, 1988)

(Medusulina egena(!) (Nyl.) ined.) (I56) (See Eckfeldt, 1892 and Davis, 1936,
under Graphis) Syn.: Graphis egena Nyl.

MEDUSULINA NITIDA (Eschw. in Mart.) Müll. Arg. (Davis, 1936; I56) JAL
(Müller, 1894)

+Megalospora carneoroseola de Lesd. (I56) MICHO (de Lesdain, 1914) =
Catinaria versicolor (Sipman, 1983)

MEGALOSPORA COCCODES (Bel.) Sipman -- ssp. COCCODES Syn.: M.
vigilans var. vigilans (Not shown or listed for Mexico by Sipman, 1983; unless
there is a report under some other synonym in another genus, this species should
be deleted from the list))

Megalospora dichroma (Fée) Zahlbr. (I56) = Catinaria versicolor (Sipman, 1983)

MEGALOSPORA PACHYCHEILA (Tuck.) Sipman VC (Sipman, 1983)

MEGALOSPORA SULPHURATA Mey. & Flotow (Davis, 1936; I56) -- var.
lecanocheila(!) (Vainio) Zahlbr. (I56) -- var. NIGRICANS (Müll. Arg.) Riddle
PUE (Sipman, 1983) Syn.: M. vigilans var. nigricans -- var. SULPHURATA
PUE/VC: Orizaba (Sipman, 1983)

MEGALOSPORA TUBERCULOSA (Fée) Sipman CHIA (Sipman, 1983), OAX
(Sipman, 1983), VC (Sipman, 1983) Syn.: Bombyliospora chloritis, B.
tuberculosa, B. tuberculosa var. subversicolor, Lecidea tuberculosa

Megalospora versicolor (Fée) Zahlbr. (I56) -- var. incondita (Krempelh.) de Lesd.
(I56) MICHO (de Lesdain, 1914) = Catinaria versicolor (Sipman, 1983)

Megalospora vigilans (Taylor) Zahlbr. = *M. coccodes* ssp. *coccodes* (Sipman, 1983) -- var. *nigricans* (Müll. Arg.) Zahlbr. = *M. sulphurata* var. *nigricans* (Sipman, 1983)

x(*MEGASPORA MUTABILIS* (Ach.) Nash ined.) BCN (Nash 38327) CHIH (Nash) Syn.:

XMEGASPORA VERRUCOSA (Ach.) Hafellner VC (Nash 35724)

MELANARIA CF. *MELANOSPORA* (Nyl.) Erichs. BCN (Weber, 1993)

x*MELANELIA DISJUNCTA* (Erichsen) Essl. BC (Nash--?--book says *Leptogium*) Syn.: *Parmelia disjuncta*, *Melanelia granulosa*

x*MELANELIA EXASPERATULA* (Nyl.) Essl. BC (Nash)

Melanelia granulosa (Lynge) Essl. = *M. disjuncta*

x*MELANELIA MULTISPORA* (A. Schneider) Essl. BC (Nash 34488--"or *subolvacea*" in Nash book)

MELANELIA SUBOLIVACEA (Nyl. in Hasse) Essl. BC (Nash 4418, 4387).
Syn.: *Parmelia subolvacea*

x*MELANELIA TOMINII* (Oksner) Essl. BCN (Nash 14726) Syn.: *Parmelia substygia*, *Melanelia substygia*

Melanotheca arctecincta(!) (Fée) Müll. Arg. (I56) Syn.: *Pyrenula arctecincta*

Melanotheca cruenta (Mont.) Müll. Arg. (I56) = *Pyrenula cruenta*

Melaspilea lentiginosa (Lyell in Leighton) Müll. Arg. (I56) = "lichen parasite on a *Phaeographis* species" (Wirth & Hale, 1963)

+*Melaspilea leucinoides* Müll. Arg. (Müller, 1894, p. p. 92; I56) CHIA:
Monterrey (Müller, 1894); JAL (Müller, 1894) = *Opegrapha* sp. (Wirth & Hale, 1963)

+*MELASPILEA MESOPHLEBIA* (Nyl.) Müll. Arg. (Davis, 1936; I56) SLP
(Müller, 1895b) = *Opegrapha mesophlebia* according to Wirth & Hale (1963),
but accepted in *Melaspilea* by Esslinger & Egan (1995)

Melaspilea microphlebia (Nyl.) Zahlbr. (I56) = *Opegrapha microphlebia* (Wirth & Hale, 1963)

+*MELASPILEA POLYMORPHA* Müll. Arg. (Müller, 1894, p. 92; I56) COAH?
NL? (near Monterrey) (Wirth & Hale, 1963)

MICAREA CINEREA (Schaerer) Hedl. Syn.: *Bacidia cinerea*

Microphiale lutea (Dickson) Zahlbr. Q.R. (Hedrick, 1935) = *Dimerella lutea*

+*Microthelia modesta* Müll. Arg. (Davis, 1936; I56) JAL (Müller, 1894, p. 93) =
Mycomicrothelia modesta (Hawksworth, 1995)

XMIRIQUIDICA sp. BC (Isla Cedros, Nash 34369, 34462)

MOBERGIA ANGELICA (Stizenb. in Hasse) H. Mayrh. & Sheard in H. Mayrh.,
Sheard & Matzer BCN (Mayrhofer, et al., 1992), BCS (Mayrhofer, et al., 1992)
Syn.: *Rinodina angelica*, *Dimelaena angelica*

MOBERGIA CALCULIFORMIS (W. A. Weber) H. Mayrh. & Sheard in H.
Mayrh., Sheard & Matzer BCN (Mayrhofer, et al., 1992; Spjut, 1995), BCS
(Mayrhofer, et al., 1992; Spjut, 1995) Syn.: *Rinodina calculiformis*

Muellerella lopadii Vouaux* MICHO (de Lesdain, 1914)

MUELLERELLA PYGMAEA (Körber) D. Hawksw.* Syn.: *Tichothecium*
pygmaeum

x*MYCOCALICUM AMERICANUM* (R. Sant.) Tibell BCS (Nash)

MYCOCALICUM SUBTILE (Pers.) Szat.+ Syn.: *Calicium parietinum*

MYCOMICROTHELIA MODESTA (Müll. Arg.) D. Hawksw. JAL
(Hawksworth, 1995) Syn.: *Microthelia modesta*

MYCOPORUM COMPOSITUM (Massal.) R. C. Harris in Egan Syn.: *M.*
pycnocarpum, *Dermatina "pyrenocarpa"*

Mycoporum eschweilleri (Müll. Arg.) R. C. Harris s. lato BCN = *Tomasellia*
eschweilleri Harris (1995) treats this as *Mycoporum* and treats *M. lacteum* (*T.*
lactea) as a separate species, but Aptroot (in prep.) retains this in *Tomasellia* and
includes *T. lactea* as only a minor variant

+*Mycoporum pycnocarpum* Nyl. Sierra de Cristóbal = *M. compositum*

Mycoporum "pyrenocarpum" Nyl. (I56) CHIA: Monterrey (Müller, 1894); PUE/VC: Near Orizaba (Nylander, 1858) = *M. compositum*

MYELOCHROA AURULENTA (Tuck.) Elix & Hale CHIH (Nash 37862) Syn.: *Parmelina aurulenta*

MYELOCHROA GALBINA (Ach.) Elix & Hale Syn.: *Parmelina aurulenta*

MYELOCHROA IMMISCENS (Nyl.) Elix & Hale Syn.: *Parmelina immiscens*

MYRIOTREMA GLAUCESCENS (Nyl.) Hale Syn.: *Leptotrema glaucescens*

MYRIOTREMA WIGHTII (Taylor) Hale Syn.: *Leptotrema wightii*, *Thelotrema wightii*

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x~~**NEOFUSCELIA BRUNELLA**~~ (Essl.) Essl. CHIH (Nash) Syn.: *Parmelia brunella*

~~**XNEOFUSCELIA CHIRICAHUENSIS**~~ (R. Anderson & W. A. Weber) Essl. CHIH (Nash 36207)

~~**xNEOFUSCELIA OCCIDENTALIS**~~ (Essl.) Essl. CHIH (Nash); SON (Nash) Syn.: *Parmelia occidentalis*

NEOFUSCELIA PUSTULOSA (Essl.) Essl. BCN Syn.: *Parmelia pustulosa*

+*Nephroma denticulatum* (Vainio) Zahlbr. (I56) = *N. helveticum* var. *helveticum* (Wetmore, 1960)

+*Nephroma endomiltodes* (Vainio) Zahlbr. (I56) = *N. helveticum* (Wetmore, 1960)

NEPHROMA HELVETICUM Ach. (I56) CHIH Nash 36287 -- var. **HELVETICUM** MICH: Wetmore (1960); VC (Wetmore, 1960); PUE/VC: Pico de Orizaba (Wetmore, 1960) Syn.: *N. saxicolum*, *Nephromium saxicolum*, *Nephroma sublaevigatum* var. *saxicolum*, *N. denticulatum*, *Opisteria denticulata*, *O. endomiltodes*, *N. sublaevigatum*, *N. sublaevigatum* var. *endomiltodes*, *Nephromium resupinatum* var. *helveticum* -- var. **SIPEANUM** (Gyelnik) Wetm. MEX (Wetmore, 1960)

NEPHROMA LAEVIGATUM Ach. Syn.: *N. lusitanicum*

Nephroma lusitanicum Schaeerer (I56) = *N. laevigatum*

XNEPHROMA PARILE (Ach.) Ach. BCN (Nash)

+*Nephroma saxicolum* (de Lesd.) Zahlbr. (I56) MICH0 = *N. helveticum*

Nephroma sublaevigatum (Nyl.) Zahlbr. (I56) VC -- var. *saxicolum* (de Lesd.) Gyelnik (Gyelnik, 1934) -- var. *endomiltodes* (Vainio) Gyelnik (Gyelnik, 1934) = *N. helveticum* var. *helveticum* (Wetmore, 1960)

Nephromium resupinatum (Ach.) de Lesd. = *Nephroma resupinatum* -- var. *helveticum* (Ach.) Schaeerer MICH0 (de Lesdain, 1922) = *Nephroma helvetica* cm

+*Nephromium saxicolum* de Lesd. MICH0 (de Lesdain, 1914; Gyelnik, 1931) = *Nephroma helveticum* var. *helveticum* (Wetmore, 1960)

Nephromium sublaevigatum Nyl. PUE/VC: Pico de Orizaba (Nylander, 18 , Synopsis p. 321) = *Nephroma helveticum* v. *helveticum* (Wetmore, 1960)

Nephromium tomentosum -- var. *helveticum* Ach. Desierto Viejo (Nylander, 1872) PUE/VC: Near Orizaba (Nylander, 1858), MICH0 (de Lesdain, 1914) = *Nephroma helveticum*

Nephromopsis ciliaris (Ach.) Hue MEX (de Lesdain, 1933) = *Tuckermannopsis ciliaris*

NIEBLA CEDROSENSIS Marsh & Nash BCN (Marsh & Nash, 1994), BCS (Marsh & Nash, 1994).

Niebla cephalota (Tuck.) Rundel & Bowler BCN (Rundel, 1978; Weber, 1993) = *Vermilacinia cephalota*

Niebla ceruchis (Ach.) Rundel & Bowler BCN (Rundel, 1978; Nash, et al., 1979; Weber, Lich. Exs. 79; Weber, 1979; Enzien & Margulis, 1988; Weber, 1993; Ryan); BCS (Nash, 1989, Lich. Exs. 73) = *Vermilacinia ceruchis*

NIEBLA CERUCHOIDES Rundel & Bowler BCN (Nash 38402, 38411)

NIEBLA COMBEOIDES (Nyl.) Rundel & Bowler BCN (Weber, Lich. Exs. 89; Weber, 1993) BCS (Nash, 1992, Lich. Exs. 123) Syn.: *Ramalina combeoides*, *Desmaziera combeoides*

NIEBLA HOMALEA (Ach.) Rundel & Bowler BCN (Rundel, 1978; Weber, Lich. Exs. 82; Weber, 1993) Syn.: *Ramalina homalea*, *R. testudinaria*, *Desmaziera homalea* -- (var. *humilis* (Müll. Arg.) ined.)? Syn.: *R. testudinaria* var. *humilis*

XNIEBLA ISIDIASCENS Bowler, Marsch, T. Nash & Riefner BCN (Nash 38271)

NIEBLA JOSECUERVOI (Rundel & Bowler) Rundel & Bowler BCN (Ryan), BCS (Nash, 1995, Lich. Exs. 171, 172 ("cf.")) Syn.: *Desmaziera josecuervoi*

NIEBLA LAEVIGATA Bowler & Rundel BC (Bowler, et al., 1994 p. 31)

NIEBLA POLYMORPHA Bowler, Marsh, Nash & Riefner BC (Bowler, et al., 1994 p. 33)

NIEBLA PROCERA Rundel & Bowler BC (Bowler, et al., 1994 p. 34)

xNIEBLA PULCHRIBARBARA (Rundel & Bowler) Rundel & Bowler BCN (Ryan) Syn.: *Desmaziera pulchribarbara*

Niebla robusta (R. H. Howe) Rundel & Bowler BC (Rundel, 1978) = *Vermilacinia robusta*

Normandina jungermanniae Nyl. (I56); locality not specified (Tuckerman, 1872) PUE/VC: Near Orizaba (Nylander, 1858) = *N. pulchella*

NORMANDINA PULCHELLA (Borrer) Nyl. (Nylander 1863a, 1872; Hue, 1892; de Lesdain, 1922; Degelius, 1935; I56) CHIH (Nash); DUR; HID (Nash 38105); VC (Nylander, 1872; Nash 35801) Syn.: *N. jungermanniae*

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OCELLULARIA AUBERIANA (Mont.) Hale Syn.: *Phaeotrema auberianum*

OCELLULARIA DOMINGENSE (Fée) Müll. Arg. (I56)

OCELLULARIA LATILABRA (Tuck.) Müll. Arg. (Davis, 1936; I56)

OCELLULARIA MICROSPORA (Zahlbr.) Hale Syn.: *Leptotrema microsporum*

OCHROLECHIA AFRICANA Vainio BCS (Brodo, 1991; Nash, 1995, Lich. Exs. 174); NL: Brodo (1991). OAX (Brodo, 1991), SIN: (Brodo, 1991); Nash

12296. SON (Brodo, 1991); Nash 12313 (ASU). VC Brodo (1991), YUC (Brodo, 1991).

Ochrolechia amphorella (Nyl.) Vainio (I56) PUE: Pico de Orizaba (Vainio, 1926)
Syn.: *Lecanora amphorella* -- f. *inaequatula* Vainio (I56) VC (Vainio, 1926) =
Pertusaria sp. (Versegely, 1962)

XOCHROLECHIA ANDROGYNA (Hoffm.) Arnold CHIH (Nash 36831)

OCHROLECHIA FRIGIDA (Swartz) Lynge (I56) Syn.: *O. tartarea* var. *frigida*

OCHROLECHIA ISIDIATA (Malme) Vers. CHIA: Brodo (1991).

+**OCHROLECHIA MEXICANA** Vainio (I56; Versegely, 1962) CHIA (Brodo, 1991), CHIH (Brodo, 1991), OAX (Brodo, 1991), MEX (Brodo, 1991), PUE (Vainio, 1926; Brodo, 1991), SIN (material in ASU) SON (Brodo, 1991)

OCHROLECHIA PALLESCENS (L.) Massal. (I56) MEX (de Lesdain, 1933),
MICHO (de Lesdain, 1914) -- f. *rubens* Hue Jajalpa (de Lesdain, 1933)

Ochrolechia parella (L.) Massal. (de Lesdain, 1929; I56) = misidentification

OCHROLECHIA PSEUDOPALLESCENS Brodo (Brodo, 1991, map 14) CHIH
Nash 13670 (det. Brodo); Nash 13046 ("cf."). DUR Nash 13935. SIN Nash
10143 (det. Brodo) OTHER STATES.

OCHROLECHIA TARTAREA (L.) Massal. (I56) trail from Las Mesitas to La
Estancia, NW of San Sebastian (Herre, 1944b); Acopilco, Desierto (Bouly de
Lesdain, 1929) - - var. *frigida* (Swartz) Körber (I56) MEX (de Lesdain, 1933) =
O. frigida

OCHROLECHIA UPSALIENSIS (L.) Massal. -- f. *exotica* Vainio (I56) VC
(Vainio, 1926) PUE (Vainio, 1926) = not *O. upsaliensis* but status uncertain
(Versegely, 1962)

Omphalodiscus decussatus (Vill.) Schol. PUE (Llano, 1950, p. 81) = *Umbilicaria*
decussata

Omphalodiscus virginis v. *orizabanus* (Vainio) Llano VC (Llano, 1950, p. 97) =
Umbilicaria virginis v. *orizabanus*

OPEGRAPHA ATRA Pers. (Davis, 1936; I56)

Opegrapha betulina Sm. = *O. herbarum* -- f. +ochracea de Lesd. (I56) no locality given (de Lesdain, 1929, p. 244) = ?

X(**OPEGRAPHA BRATTII** Egea & Torrente ined.) BCN (Nash 33971--Exs.)

OPEGRAPHA CHEVALLIERI (Leighton) Hasse BCN (Weber, 1993)

+*Opegrapha gracilescens* Zahlbr. (Zahlbrucker, 1921, p. 227 I56)

Opegrapha hassei BCN (Nash 4881) = *Lecanographa hypothallina*

OPEGRAPHA HERBARUM Mont. Syn.: *O. betulina* -- (f. *ochracea* (de Lesd.) ined.?) Syn.: *O. betulina* f. *ochracea*

Opegrapha lentiginosa(!) Leighton PUE/VC: Near Orizaba (Nylander, 1858)

Opegrapha mesophlebia Nyl. = *Melaspilea mesophlebia*

OPEGRAPHA MICROPHLEBIA Nyl. Syn.: *Melaspilea microphlebia*

OPEGRAPHA PROSODEA Ach. (Davis, 1936; I56)

Opegrapha recta Humb. = *Graphis scripta* f. *recta*

Opegrapha rigida Fée (Davis, 1936) = *Graphina rigida*

x**OPEGRAPHA RUPESTRIS** Pers. BCN (Ryan)

+*Opegrapha stenoleuca*(!) Zahlbr. (Zahlbrucker, 1921, p. 227; I56)

OPEGRAPHA SUBVULGATA Nyl. (Hue, 1892; I56)

OPEGRAPHA VIRIDIS (Pers. ex Ach.) Behlen & Desberger (Davis, 1936; I56)

OPEGRAPHA VULGATA (Ach.) Ach. (Hue, 1892; Davis, 1936; I56) PUE/VC: Near Orizaba (Nylander, 1858)

XOPHIOPARMA LAPPONICA (Räsänen) Hafellner & R. W. Rogers VC (Nash 35722)

+*Opisteria denticulata* Vainio PUE: Pico de Orizaba (Vainio, 1926) = *Nephroma helveticum* ssp. *helveticum*

+*Opisteria endomiltodes* Vainio PUE: Pico de Orizaba (Vainio, 1926) =
Nephroma helveticum ssp. *helveticum*

Opisteria sublaevigata (Nyl.) Vainio PUE: Pico de Orizaba (Vainio, 1926) =
Nephroma helveticum spp. *helveticum*

+*OROPOGON AMERICANUS* Essl. OAX: Esslinger (1989).

+*OROPOGON BARBATICUS* Essl. OAX: Esslinger (1989).

+*OROGPOGON BICOLOR* Essl. OAX: Esslinger (1989).

+*OROPOGON CAESPITOSUS* Essl. OAX (Esslinger, 1989) SLP: (Esslinger, 1989) VC (Esslinger, 1989).

+*OROPOGON GRANULOSUS* Essl. OAX (Esslinger, 1989) VC: (Esslinger, 1989)

+*OROPOGON LOPEZII* Essl. OAX (Esslinger (1989; Nash, 1989, Lich. Exs. 75)

+*OROPOGON LOXENSIS* (Fée) Th. Fr. (Du Rietz, 1926; I56) BC (?); OAX (Esslinger, 1989); PUE: Pico de Orizaba (Vainio, 1926); VC (Vainio, 1926)

+*OROPOGON MEXICANUS* Essl. OAX (Esslinger, 1989) PUE (Esslinger, 1989) VC (Esslinger, 1989).

+*OROPOGON PENDULUS* Essl. OAX (Esslinger, 1989; Nash, 1989, Lich. Exs. 76)

+*OROPOGON SPERLINGII* Essl. OAX (Esslinger, 1989; Nash, 1989, Lich. Exs. 77). VC: (Esslinger, 1989)

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+*Pannaria applanata*(!) Eckf. (Eckfeldt, 1894, p. 393; Davis, 1936; I56)

PANNARIA CONOPLEA (Ach.) Bory BC (Nash) Syn.: *P. rubiginosa* var. *conoplea*

Pannaria disparita(!) (Nyl. in Crombie) Vainio (I56) VC: Mirador (Vainio, 1926), PUE: Pico de Orizaba (Vainio, 1926)

xPannaria leucophaea (Vahl) P. M. Jorg. BCN (Nash) = Fuscopannaria leucophaea

PANNARIA MARIANA (Fr.) Müll. Arg. -- var. radiata(!) (Nyl.) Vainio (I56) Tepinapo (Vainio, 1926) -- var. pannosa (Sw.) Hue MICHÓ (de Lesdain, 1914) = Parmeliella pannosa

Pannaria myrioloba(!) Müll. Arg. (I56) VC: Mirador (Vainio, 1926)

Pannaria parmeloides (Hook.) Hue MICHÓ (de Lesdain, 1914) = Coccocarpia pellita var. parmeloides

PANNARIA RUBIGINOSA (Ach.) Bory (Degelius, 1935; Davis, 1936; I56) Cuecuetatitla (de Lesdain, 1933), Tenango del Valle (de Lesdain, 1933) CHIH (Nash); COAH (); D.F. (de Lesdain, 1929); HID (de Lesdain, 1914; Nash 35869); MEX (de Lesdain, 1929) SIN (Nash); SON (Nash, det. Jorgensen) -- var. conoplea (Pers. in Ach.) Körber (I56) (ESTADO DE?) MEXICO: El Oro (de Lesdain, 1922) = P. conoplea

xPANNARIA TAVARESII P. M. Jorg. CHIH (Nash); COAH (Nash); DUR (Nash); SIN (Nash)

Parmelia aberrans (Vainio) des Abb. CHIA (Hale, 1965) = Parmotrema aberrans

Parmelia abstrusa Vainio (Guzmán, 1988) = Relicina abstrusa

Parmelia ajoensis Nash SON (Nash, 1974, p. 234) = Xanthoparmelia ajoensis

+Parmelia amableana Gyelnik MEX: Guadalupe (Gyelnik, 1934, p. 152; I56) =? Xanthoparmelia conspersa

Parmelia americana (Mey. & Flot.) Mont. (I56) = Everniastrum americanum -- f. sorediosa (de Lesd.) ined.? (I56) Syn.: P. kamtschadalis var. aemricana f. sorediosa

Parmelia amoena Zahlbr. (I56) MICHÓ (de Lesdain, 1914) = Hypotrachyna costaricensis

Parmelia antillensis Nyl. (Guzmán, 1988); Locality not specified (Hale, 1971-- Dominica) = Parmotremopsis antillensis (Elix & Hale, 1987)

Parmelia appalachensis Culb. HID (Coutiño & Mojica, 1982); PUE (Castorena, 1981) = Punctelia appalachensis

Parmelia argentina Kremp. CHIA (check Hale, 1965) = *Parmotrema argentinum*

Parmelia arnoldii Du Rietz MEX (Hale, 1965), OAX (Hale, 1965), PUE (Hale, 1965) = *Parmotrema arnoldii*

Parmelia arseneana Gyelnik BC = *Xanthoparmelia novomexicana*, but auct. = *X. aff. convexula*

Parmelia arsenei Hale & M. Wirth MICH (Hale & Wirth, 1971) = *Everniastrum arsenei*

Parmelia atricapilla Taylor VC (Nylander, 1858) = ? (Not in Hale's list of Parmeliod epiphets)

Parmelia atricha Nyl. (I56) PUE (Vainio, 1926) = *Parmelina quercina*

Parmelia aurulenta Tuck. (Krempelhuber, 1868; Hernandez, et al., 1951; I56) = *Myelochroa aurulenta* (Elix & Hale, 1987)

Parmelia austrosinensis Zahlbr. CHIA (Hale, 1965), GUAN (Hale, 1965), OAX (Hale, 1965), PUE (Hale, 1965), SLP (Hale, 1965), VC (Hale, 1965) = *Parmotrema austrosinense*

+*Parmelia azulensis* de Lesd. (I56) MICH (de Lesdain, 1914) = *Punctelia hypoleucites*

Parmelia bitteri Lynge MEX (de Lesdain, 1933) = *Hypogymnia bitteri*

Parmelia bolliana Müll. Arg. (Culberson, 19 , Nova Hedwigia 4(4): 566); SON (Hale, 1979) = *Punctelia bolliana*

Parmelia boliviana Nyl. (I56) MICH (de Lesdain, 1914) = *Hypotrachyna physcioides*

Parmelia borreri (Sm.) Turn. (I56) PUE/VC: Near Orizaba (Nylander, 1858) = *Punctelia subrudecta*. -- v. *rudecta* (Ach.) Nyl. SLP (Nylander, 1872) = *Punctelia rudecta*; however, the yellowish form from Desierto Viejo, referred to by Nylander (1872) probably = *Flavopunctelia* sp.

Parmelia camtschadalis (Ach.) Eschw. in Mart. (Eckfeldt, 1893: "?") = *Xanthoparmelia camtschadalis* -- var. *americana* (Mont.) PUE/VC: Near Orizaba (Nylander, 1858), VC (Smith, 1892) = *Everniastrum americanum*, but at least the report by Smith, 1892 is based on *E. pseudonepalense* (Culberson & Culberson,

1981) -- var. *americana* f. *sorediosa* de Lesd. = *Everniastrum americanum* f. *sorediosa*

Parmelia caperata (L.) Ach. (Eckfeldt, 1893: "?"; Hernandez, et al., 1951; I56; Dávalos, et al., 1972; BSMM 17: 174, 1982; Guzmán, 1988) PUE/VC: Near Orizaba (Nylander, 1858) MICH0 (de Lesdain, 1914), SLP (Nylander, 1872) = *Flavoparmelia caperata* -- var. *subglaucia* (Gasilien) Nyl. (I56) DF (de Lesdain, 1933) = ?

Parmelia caroliniana Nyl. (I56) Consoquella (Vainio, 1926) VC (Vainio, 1926) = *Canoparmelia caroliniana*

Parmelia cetrariooides (Delise ex Duby) Nyl. (Herre, 1920, I56) Desierto (de Lesdain, 1929); SON (Herre, 1944a) = *Cetrelia cetrariooides*

Parmelia cetrata Ach. (Davis, 1936; Hernandez, et al., 1951; I56) D.F. (de Lesdain, 1929); MICH0 (de Lesdain, 1914, 1922), PUE (de Lesdain, 1914) -- f. *ciliosa* Viaud-Grand-Marais (I56) MICH0 (de Lesdain, 1914) -- var. *corniculata* (Krempelh.) Müll. Arg. (I56) Acopilco (de Lesdain, 1929); MICH0 (de Lesdain, 1922), PUE (de Lesdain, 1914) = *Rimelia cetrata* Check Hale, 1965

Parmelia chiapensis Hale CHIA (Hale, 1965) = *Parmotrema chiapensis*

Parmelia cirrhata Fr. (I56) JAL (Herre, 1944b), HID (de Lesdain, 1933), MEX (de Lesdain, 1933) -- var. *arrhiza* (Mey. & Flotow) Zahlbr. (I56) MOR (de Lesdain, 1933) = *Everniastrum cirrhatum*, but based on misidentification

Parmelia columbiensis Zahlbr. (de Lesdain, 1933) = *Everniastrum columbiense*

Parmelia commensurata Hale TAB (Hale, 1971) = *Rimelia commensurata*

Parmelia confusa Du Rietz -- var. *americana* (Mey. & Flot.) ined. HID (de Lesdain, 1929) = *Everniastrum* ?? -- var. *cirrhata* (Fr.) Zahlbr. Desierto (de Lesdain, 1929) = *Everniastrum cirrhatum* -- var. *arrhiza* (Mey. & Flot.) Müll. Arg. Desierto (de Lesdain, 1929) = *Everniastrum* ??

Parmelia congruens Ach. (I56); Locality not specified (Hale, 1971--Dominica) near Santa Fe (Nylander, 1872), SLP (Nylander, 1872) = *Pseudoparmelia sphaerospora*

+*Parmelia consocians* Vainio (I56) Between Cerro Leon and La Hoya (Vainio, 1926), PUE: Pico de Orizaba (Vainio, 1926) = *Pseudevernia consocians*

Parmelia conspersa (Ach.) Ach. (Herre, 1944; I56) D.F. (de Lesdain, 1929); MICH (de Lesdain, 1914, 1922), PUE (de Lesdain, 1914, 1922), QUER (de Lesdain, 1922), SLP (Nylander, 1872), SON () = *Xanthoparmelia conspersa* (but early reports may be based partly on other spp.) -- var. *constrictans* Nyl. (I56) = *X. constrictans* -- var. *hypoclista* Nyl. San Juanico (de Lesdain, 1929), D.F. (de Lesdain, 1929); (I56) = *X. taractica*; according to Gyelnik (1934), the Amable collection from San Juanico = *P. hypofusca* (which = *X. tasmanica*) -- f. *isidiata* Anzi (I56) QUER (de Lesdain, 1922) = a misidentification -- +var. *nigromarginata* de Lesd. (I56) MICH (de Lesdain, 1914) = *X. novomexicana* -- var. *stenophylla* Ach. (I56) MICH (de Lesdain, 1914) = *X. somloensis* -- var. *subconspersa* (Nyl.) Stein. in Meyer (I56) SON (Herre, 1944a) = *Flavoparmelia rutidota*

Parmelia constrictans Nyl. in Crombie PUE: Pico de Orizaba () = *Xanthoparmelia constrictans* -- f. *inactiva* de Lesd. ex Gyelnik = *X. monticola*

Parmelia coralloidea (Mey. & Flotow) Vainio (I56) YUC (Hedrick, 1935) =? *Parmotrema* sp. Syn. *Parmelia perlata* var. *coralloidea*

Parmelia corrugis (Fr.) Müll. Arg. (I56) SON (Herre, 1944a) = *Parmotrema perforatum*

Parmelia crinita Ach. (I56) CHIA (Hale, 1965) D.F. (de Lesdain, 1929); MEX (de Lesdain, 1929); OAX (Hale, 1965), PUE/VC: Near Orizaba (Nylander, 1858) VC (Hale, 1965), = *Parmotrema crinitum* -- +var. *eciliata* Nyl. PUE/VC: Orizaba (Nylander, 1869, p. 291) = *Parmotrema eciliatum*

Parmelia cristifera Taylor (I56) JAL (Hale, 1965), HID (Hale, 1965), VC (Hale, 1965), PUE (Hale, 1965), CHIA (Hale, 1965) JAL (Herre, 1944b) = *Parmotrema cristiferum*

Parmelia crozalsiana de Lesd. ex Harm. (Guzmán, 1988) = *Canoparmelia crozalsiana*

Parmelia cumberlandia (Gyelnik) Hale (Brizuela & Guzmán, 1971; Guzmán, 1988) = *Xanthoparmelia cumberlandia*

Parmelia densirhizinata Kurok. in Hale & Kurok. (Hale & Kurokawa, 1964); localities not given (Yoshimura & Sharp, 1968) = *Hypotrachyna densirhizinata*

Parmelia digitulata Nyl. = *Xanthoparmelia conspersa* -- var. *vogesiaca* Gyelnik, nomen nudum (I56) Salazar (de Lesdain, 1933)

Parmelia disjuncta Erichsen = *Melanelia disjuncta*

Parmelia dissecta Nyl. (Guzmán, 1988) = *Parmelinopsis minarum*

Parmelia dominicana Vainio VC (Hale, 1965), OAX (Hale, 1965), CHIA (Hale, 1965) = *Parmotrema domicanum*

Parmelia dubia (Wulfen in Jacq.) Schaeerer (I56) Tepozatlan (de Lesdain, 1929) = *Punctelia subrudecta*

Parmelia eciliata (Nyl.) Nyl. (Hue, 1892; I56) HID (Hale, 1965), VC (Hale, 1965) VC (Nylander, 1872) = *Parmotrema eciliatum*

Parmelia encausta (Sm.) Nyl. (Liebmann, 1844; Hemsley, 1886-88; I56) MEX (de Lesdain, 1933) = *Brodoa intestiniformis*, but probably a misidentification

Parmelia endosulphurea (Hillm.) Hale CHIA (Hale, 1965), VC (Hale, 1965) = *Parmotrema endosulphureum*

Parmelia ensifolia Kurok. No data on locality (Hale & Kurokawa, 1964) = *Hypotrachyna ensifolia*

Parmelia enteromorpha Ach. (Herre, 1920; I56) = *Hypogymnia enteromorpha*

+*Parmelia eurysaca* Hue (Hue, 1899, p. 194; I56) (Dávalos, et al., 1972; Guzmán, 1988); Southern half of the country (Culberson & Hale, 1974--see map in Fig. 1) = *Parmotrema eurysacum* Check Hale, 1965

+*Parmelia exorrecta* Kurok. OAX (Hale & Kurokawa, 1964); VC (Hale & Kurokawa, 1964) = *Hypotrachyna gigas* (Kurok.) Hale

Parmelia explendens Hale CHIA (Hale & Kurokawa, 1964) = *Hypotrachyna exsplendens*

Parmelia flaventior Stirton D.F., (Dávalos, et al., 1972); GUER (Bernabè, 1977); HID (Dávalos, et al., 1972); MEX (Dávalos, et al., 1972); MOR (Dávalos, et al., 1972); PUE (Castorena, 1981); VC (Coutiño & Mojica, 1985) = *Flavopunctelia flaventior*

Parmelia flavescens (Krempelh.) Nyl. (I56) COL (Hale, 1965); VC?: Near Consoquitla (Vainio, 1926) VC: Mirador (Vainio, 1926) = *Parmotrema flavescens*

Parmelia furfuracea (L.) Ach. (I56) -- var. *ceratea* Ach. Nyl. (Howe, 1911; I56) = misidentification of *Pseudevernia intensa* -- var. *intensa* (Nyl.) ined. (I56)
Acopilco, Desierto, Rio Frio (de Lesdain, 1929) = *Pseudevernia intensa* -- f.
albida (de Lesd.) ined. (I56) Desierto (de Lesdain, 1929) = *P. intensa* f. *albida* --
f. *scobicina* (de Lesd.) ined. (I56) Rio Frio (de Lesdain, 1929) = *P. intensa* f.
scobicina

Parmelia galbina Ach. = *Myelochroa galbina*

Parmelia gigas Kurok. (Guzmán, 1988) = *Hypotrachyna gigas*

Parmelia hababiana Gyelnik CHIA (Hale, 1965), OAX (Hale, 1965:
protolichesterinic acid strain and cryptochlorophaeic acid strain) = *Parmotrema
hababianum* (protolichesterinic strain =? *Parmotrema glaucocarpoides*)

Parmelia herreana Zahlbr. (I56) JAL (Herre, 1944b), SON (Herre, 1944a) =
Flavoparmelia caperata

+*Parmelia hypofusca* Gyelnik (I56) San Juanico (Gyelnik, 1934, p. 155); PUE
(Gyelnik, 1934, p. 155) = *Xanthoparmelia tasmanica*

+*Parmelia hypoleucites* Nyl. (Nylander, 1858, p. 379; Hue, 1892; Zahlbruckner,
1912; I56) COL (Dávalos, et al., 1972); GUER (Dávalos, et al., 1972; Bernabè-
González, 1977), HID (Dávalos, et al., 1972; Coutiño & Mojica, 1982), JAL
(Dávalos & Alvarez, 1987); MEX (Dávalos, et al., 1972; Guzmán, 1972);
MICHO (Dávalos, et al., 1972), PUE (de Lesdain, 1914, Dávalos, et al., 1972;
Castorena, 1981), PUE/VC: Near Orizaba (Nylander, 1858), VC (Coutiño &
Mojica, 1985) = *Punctelia hypoleucites*

+*Parmelia hypotropa* Nyl. (Nylander, 1860, p. 378; Tuckerman, 1882; Hue,
1892; Williams, 1895; I56) Valle Cordovensi (Nylander, 1872) = *Parmotrema
hypotropum* Check Hale, 1965

Parmelia imbricatula Zahlbr. Locality not specified (Hale, 1971--Dominica) =
Hypotrachina imbricatula

+*Parmelia imitata* Hale & M. Wirth MICHO (Hale & Wirth, 1971) =
Everniastrum imitatum

+*Parmelia immiscens* Nyl. (Nylander, 1885, p. 606; Hue, 1892; I56; Guzmán,
1988) = *Myelochroa immiscens*

Parmelia incorrupta J. Moore (Moore, 1932; I56) = *Flavopunctelia praesignis*

Parmelia intensa (Nyl.) Vainio MEX (de Lesdain, 1933), PUE (Vainio, 1926) =
Pseudevernia intensa

Parmelia ioannis-simae Gyelnik (I56) PUE (de Lesdain, 1933) = *Xanthoparmelia taractica* -- var. *coloradoensis* Gyelnik GUER (de Lesdain, 1933) DF (de Lesdain, 1933) = *Xanthoparmelia coloradoensis*

Parmelia isidiata (Anzi) Gyelnik BCN (salazinic acid strain) (Hale, 1955) =
Xanthoparmelia sp. (*X. conspersa*?); BCS (stictic acid strain) (Hale, 1955) =
Xanthoparmelia sp.

Parmelia kamtschadalis Ach. Valle Mexicensi near San Nicolas (Nylander, 1872)
= *Xanthoparmelia camtschadalis* -- v. *americana* (Mey. & Flot.) Nyl. Desierto
Viejo (Nylander, 1872), MICO (de Lesdain, 1914) SLP (Nylander, 1872) =
Everniastrum americanum -- var. *americana* +f. *sorediosa* de Lesd. PUE (de
Lesdain, 1914) = *Everniastrum americanum* f. *sorediosa* -- var. *arrhiza* (Mey. &
Flot.) Müll. Arg. = *Everniastrum cirrhatum*, but based on misidentification
MICO (de Lesdain, 1914, 1922) -- var. *cirrhata* (Fr.) Zahlbr. MICO (de
Lesdain, 1914, 1922) = *Everniastrum cirrhatum*

Parmelia kernstockii (Lynge) Zahlbr. (I56) D.F. (de Lesdain, 1929); MICO (de
Lesdain, 1929) = *Flavoparmelia flaventior*

Parmelia laevigata (Sm.) Ach. (Hue, 1892; Davis, 1936; I56); Locality not
specified (Hale, 1971-- Dominica) Desierto, Acopilco (de Lesdain, 1929) MEX
(Nylander, 1872, de Lesdain, 1929) = *Hypotrachyna laevigata* -- v. *sinuosa* (Sm.)
Nyl. VC (Nylander, 1872) = *Hypotrachyna sinuosa*

Parmelia latissima Fée (Krempelhuber, 1868; Nylander, 1872; I56) CAMP (Hale,
1965), CHIA (Hale, 1965), VC (Hale, 1965) JAL (Herre, 1944b) -- var.
glaberrima (Krempelh.) Vainio (I56) VC: near Mirador (Vainio, 1926) VC?:
Near Consoquitla (Vainio, 1926) = *Parmotrema latissimum*, but probably a
misidentification

+*Parmelia lavicola* Gyelnik (I56) D.F. (Gyelnik, 1934, p. 157) = *Xanthoparmelia lavicola*

+*Parmelia leucosemopheta* Hue (Hue, 1899, p. 192; I56; Vareschi, 1962) =
Parmotrema leucosemophetum Check Hale, 1965

+*Parmelia lipidifera* Hale & M. Wirth CHIA (Hale & Wirth, 1971), JAL (Hale & Wirth, 1971) = *Everniastrum lipidiferum*

Parmelia madagascariacea (Hue) des Abb. CHIA (Almeda & Dey, 1973); OAX (Almeda & Dey, 1973); SIN (Almeda & Dey, 1973) = *Parmotrema madagascariaceum*

Parmelia mauriensis Hue (I56) MICH (de Lesdain, 1914), PUE (de Lesdain, 1914) = *Parmotrema flavescens*

+*Parmelia maxima* Hue (Hue, 1899, p. 193; I56) D.F. (de Lesd., 1933), MICH (de Lesdain, 1933), PUE (de Lesdain, 1933), = *Parmotrema stuppeum*

+*Parmelia mesogenes* Nyl. (Nylander, 1885, p. 609; Hue, 1892; I56) = *Parmotrema mesogenes*

+*Parmelia mexicana* Gyelnik (I56) D.F. (Gyelnik, 1931, p. 409; de Lesdain, 1933) = *Xanthoparmelia mexicana*

+*Parmelia michoacanensis* de Lesd. (I56) MICH (de Lesdain, 1914) = *Myelochroa immescens*

+*Parmelia miranda* Hale CHIA (Hale, 1965); OAX (Hale, 1965) = *Parmotrema*

Parmelia molliuscula Ach. (I56) Rio Frio, San Juanico, Guadalupe, Acopilco (de Lesdain, 1929); D.F. (de Lesdain, 1929); MEX (de Lesdain, 1929); PUE (de Lesdain, 1922) = a misidentification of a *Xanthoparmelia* species

Parmelia mordenii Hale CHIA (Hale, 1971--Dominica), VC (Hale, 1971--Dominica) = *Parmotrema mordenii*

+*Parmelia moreliensis* de Lesd. (I56) Pont de la Venta (de Lesdain, 1929); MICH (de Lesdain, 1914, 1922) = *Everniastrum moreliense* -- +var. minor de Lesd. (I56) MICH (de Lesdain, 1914)

+*Parmelia myelochroa* Hale CHIA (Hale, 1965) = *Parmotrema myelochroum*

+*Parmelia neocirrhata* Hale & M. Wirth MICH (Hale & Wirth, 1971), SIN (Hale & Wirth, 1971), JAL (Hale & Wirth, 1971), NAY (Hale & Wirth, 1971), MICH (Hale & Wirth, 1971), GUER (Hale & Wirth, 1971), SLP (Hale & Wirth, 1971), HID (Hale & Wirth, 1971), MEX (Hale & Wirth, 1971), OAX (Hale & Wirth, 1971), CHIA (Hale & Wirth, 1971) = *Everniastrum neocirrhatum*

+*Parmelia Nicolai* de Lesd. (I56) PUE (de Lesdain, 1914) = *Punctelia?* sp.

+*Parmelia nigrociliata* de Lesd. (I56) HID (de Lesdain, 1933; Vareschi, 1962) = *Everniastrum nigrociliatum*

Parmelia nilgherrensis Nyl. in Hue (I56) PUE (de Lesdain, 1914) = *Parmotrema nilgherrense*

Parmelia novomexicana Gyelnik (I56) MEX (Gyelnik, 1934) = *Xanthoparmelia novomexicana*

Parmelia obscurata Bitter (I56) = *Hypogymnia bitteri*

Parmelia olivaria (Ach.) Th. Fr. (Herre, 1920; I56) = *Cetrelia olivetorum*, but based on misidentification

Parmelia peralbida Hale Locality not specified (Hale, 1971--Dominica) = *Parmotrema*

Parmelia perforata (Jacq.) Ach. (Krempelhuber, 1868; Eckfeldt, 1893; Hernandez, et al., 1951; I56) CAMP (Hedrick, 1935); PUE/VC: Near Orizaba (Nylander, 1858), MICHO (de Lesdain, 1914), PUE (de Lesdain, 1914), SLP (Nylander, 1872) VC (Herre, 1944b) = *Parmotrema perforatum* Check Hale, 1965

Parmelia perlata (Huds.) Ach. (Hue, 1892; Williams, 1895; Linder, 1934; Davis, 1936; I56) MEX (Hale, 1965), PUE/VC: Near Orizaba (Nylander, 1858), SLP (Nylander, 1872), VC (Hale, 1965) =

Parmotrema chinense -- var. *ciliata* (DC. in Lam. & DC.) Duby PUE/VC: Near Orizaba (Nylander, 1858) JAL (Herre, 1944b; I56) VC (Herre, 1944b) = (?) -- var. *platyloba* Müll. Arg. (Müller, 1882; I56)

Parmelia permaculata (Hale, 1971: Phytologia 21(6): 425--Not in Nash reprints; check Ryan reprints) = *Parmotrema eurysacum*

Parmelia physodes (L.) Ach. (Linder, 1934; I56) = *Hypogymnia physodes*

Parmelia pilosella Hue (I56) PUE (de Lesdain, 1914) = *Parmotrema crinitum*

Parmelia plittii Gyelnik San Juacinto (Gyelnik, 1934, p. 274) = *Xanthoparmelia plittii*

+*Parmelia praesignis* Nyl. (Nylander, 1872, p. 260; Hue, 1892; Zahlbruckner, 1912; I56, Dávalos, et al., 1972); Acopilco, Tenayuca (de Lesdain, 1929); El Desierto (de Lesdain, 1929, 1933), Cuecuecauitla (de Lesdain, 1933), D.F. (de Lesdain, 1929); GUER (Villanueva, 1983); MICHO (de Lesdain, 1914, 1922), PUE (de Lesdain, 1914, 1922; Castorenoa, 1981); SON (Hale, 1979); VC (Coutiño & Mojica, 1985) = *Flavopunctelia praesignis*

Parmelia praesorediosa Nyl. CHIA (Hale, 1965), OAX (Hale, 1965), VC (Hale, 1965), YUC (Hale, 1965) = *Parmotrema praesorediosum*

Parmelia proboscidea Taylor (I56) VC (Herre, 1944b) = *Parmotrema crinitum*

Parmelia prolongata Kurok. CHIA (Hale & Kurok., 1964) = *Hypotrachyna prolongata*

Parmelia pseudonepalense Hale & M. Wirth MEX (Hale & Wirth, 1971), JAL (Hale & Wirth, 1971), MICHO (Hale & Wirth, 1971), OAX (Hale & Wirth, 1971) = *Everniastrum pseudonepalense*

+*Parmelia psoromifera* Kurok. & Hale JAL (Hale, 1967) = *Xanthoparmelia psoromifera*

Parmelia pulvinaris (Zahlbr.) Gyelnik -- var. *laciniatula* Gyelnik (I56) MEX (de Lesdain, 1933) = *Xanthoparmelia cheelii*, but based on a misidentification

Parmelia pustulosa Essl. BCN (Esslinger, 1977) = *Neofuscelia pustulosa*

Parmelia reticulata Taylor in Mack. (I56) Valle de Mexico (Gibert, 1935); MICHO (de Lesdain, 1929); PUE (de Lesdain, 1929) = *Parmotrema reticulatum* - - f. *ciliata* "Nyl." (Herre, 1920) -- var. *platyloba* Müll. Arg. = *Parmotrema chinense* var. *platyloba* -- f. *hypotoropa* Nyl. = *Parmotrema hypotropa* -- f. *corniculata* El Desierto (de Lesdain, 1933), MEX (de Lesdain, 1933) = *Rimelia cetrata*

Parmelia revoluta Flörke in Sprengel (I56; Williams, 1895); HID (de Lesdain, 1929) = *Hypotrachyna revoluta*

Parmelia rockii Zahlbr. Locality not specified (Hale, 1971, Dominica) = *Hypotrachyna rockii*

Parmelia rudentata Ach. (I56) (Dávalos, et al., 1972; Guzmán, 1988); D.F. (de Lesdain, 1929); SON (Herre, 1944a) VC (Herre, 1944b) = *Punctelia rudentata* -- var. *microphyllina* Nyl. in Hue (I56) El Desierto (de Lesdain, 1929)

Parmelia rutidota Hook. f. & Taylor (Guzmán, 1988) = *Flavoparmelia rutidota*

Parmelia saccatiloba Taylor (Hue, 1892; Zahlbrucker, 1912, with ?; I56) JAL (Herre, 1944b); YUC (Hedrick, 1935) = *Parmotrema saccatilobum*

Parmelia salacinifera Hale CHIA (Hale & Kurokawa, 1964)) = *Canoparmelia salacinifera*

PARMELIA SAXATILIS (L.) Ach. (Davis, 1936; I56) SON

Parmelia simulans Hale CHIA (Hale, 1971--Phytologia, p.33), VC (Hale, 1971--Phytologia, p. 33) = *Rimelia simulans*

Parmelia sinuosa (Sm. in Sm. & Sowerby) Ach. (Nylander, 1872; Tuckerman, 1882; Hue, 1892; I56) PUE/VC: Near Orizaba (Nylander, 1858) = *Hypotrachyna sinuosa*

Parmelia soredica Nyl. (I56) BCN (Hale, 1980); MICH (de Lesdain, 1914), PUE (de Lesdain, 1914) = *Flavopunctelia soredica*

Parmelia sorocheila Vainio (I56) Tenango de Valle (de Lesdain, 1933) = *Everniastrum sorocheilum*, but probably refers to *E. catawbiense*

Parmelia stenophylla (Ach.) Du Rietz (salazinic acid strain) BCN (Hale, 1955); (SEVERAL OTHER STATES) (Hale, 1955--see map in Fig. 6) = *Xanthoparmelia somloensis*

Parmelia stuppea (Huds.) Ach. CHIA (Hale, 1965); MICH (Hale, 1965), OAX (Hale, 1965), PUE (Hale, 1965), VC (Hale, 1965) = *Parmotrema stuppeum*

Parmelia subarnoldii des Abb. CHIA (Hale, 1965) = *Parmotrema subarnoldii*

Parmelia subcrinita Nyl. Locality not specified (Hale, 1971--Dominica) VC (Hale, 1965), MICH (Hale, 1965), COL (Hale, 1965), OAX (Hale, 1965), CHIA (Hale, 1965) = *Parmotrema subtinctorium*, but Mexican records = *Parmotrema ultralucens* (see Krog, 1974)

Parmelia sublaevigata (Nyl.) Nyl. (Davis, 1936; I56) = *Hypotrachyna sublaevigata*

Parmelia subolivacea Nyl. in Hasse BCN (Esslinger, 1977) = *Melanellia subolivacea*

Parmelia subquercifolia Hue (I56) MICH (de Lesdain, 1914) = *Myelochroa galbina*

Parmelia subramigera Gyelnik (I56) MICH (Gyelnik, 1934) = *Xanthoparmelia subramigera*

Parmelia subrugata Krempelh. (Krempelhuber, 1868; I56) JAL (Herre, 1944b) = *Parmotrema subrugatum*, but probably a misidentification -- +var. *mexicana* Vainio (I56) VC: Near Mirador (Vainio, 1926) VC? Near Consoquitla (Vainio, 1926) = *Parmotrema argentinum*

+*Parmelia subsaxatilis* de Lesd. (I56) MICH (de Lesdain, 1914) = *Hypotrachyna subsaxatilis*

Parmelia subtinctoria Zahlbr. (Hale, 1971--Dominica); (salazinic acid strain): CHIA (Hale, 1965), HID (Hale, 1965), MEX (Hale, 1965), MICH (Hale, 1965), OAX (Hale, 1965), PUE (Hale, 1965), VC (Hale, 1965) = *Parmotrema subtinctorum*

xPARMELIA SULCATA Taylor BCN (Patron; Nash)

Parmelia sulphurata Nees & Flotow (Hernandez, et al., 1951; I56) CAMP (Hale, 1965), YUC (Hedrick, 1935; Hale, 1965) = *Parmotrema sulphuratum*

Parmelia taeniata Nyl. MICH (de Lesdain, 1914) = *Anzia taeniata*

+*Parmelia thysanota* Kurok. VC (Hale & Kurokawa, 1964) = *Hypotrachyna thysanota*

Parmelia tiliacea (Hoffm.) Ach. (I56) PUE/VC: Near Orizaba (Nylander, 1858) = misidentification

Parmelia tinctorium Delise ex Nyl. (I56) PUE (de Lesdain, 1914), VC (Herre, 1944b) = *Parmotrema tinctorium* -- var. +endosulfurea Hillm. (Hillmann, 1940, p. 8; I56) = *Parmotrema endosulfureum* Should be in Hale, 1965

Parmelia tuckermanii Du Rietz (I56) = *Parmotrema crinitum*

Parmelia ulophyllodes (Vainio) Savicz = *Flavopunctelia soredica*

Parmelia ultralucens Krog (Krog, 1974--see map in Fig. 2--based on localities cited by Hale, 1965, p. 311 under *P. subcrinita*) = *Parmotrema ultralucens*

Parmelia urceolata Eschw. in Mart. (I56) MICHQ (de Lesdain, 1914, 1922), PUE (de Lesdain, 1914) = *Parmotrema* sp.

Parmelia ventricosa Hale & Kurokawa CHIA (Hale & Kurokawa, 1964) = *Bulbothrix ventricosa* (Hale & Kurokawa) Hale

Parmelia weberi Hale DUR (Hale, 1971), SON (Hale, 1971) = *Xanthoparmelia weberi*

Parmelia xanthina (Müll. Arg.) Vainio (I56); CHIA (Hale, 1965), OAX (Hale, 1965), JAL (Herre, 1944b) = *Parmotrema xanthinum*, but Hale's records (with KC+ substance) = *Parmotrema madagascariaceum*

Parmelia zollingeri Hepp in Zolling. (I56) VC: near Mirador and Laguna, and near Mirador and Consoquitla (Vainio, 1926) = *Parmotrema zollingeri* Check Hale, 1965

+*Parmeliella miradorensis*(!) Vainio (I56) VC: Mirador (Vainio, 1926)

PARMELIELLA PANNOSA (Swartz) Nyl. (I56) Syn.: *Pannaria mariana* v. *pannosa*

PARMELIELLA TRIPTOPHYLLA (Ach.) Müll. Arg. (I56) CHIH (Nash); JAL (Müller, 1894); SIN (Nash); SON (Nash); HID (Nash 35836)

Parmelina antillensis (Nyl.) Hale CHIA (Hale, 1976) = *Parmotremopsis antillensis* (Elix & Hale, 1987)

Parmelina aurulenta (Tuck.) Hale MICHQ (Hale, 1976) Syn.: *Parmelia aurulenta* = *Myelochroa aurulenta* (Elix & Hale, 1987)

Parmelina dissecta (Nyl.) Hale CHIA (Hale, 1976), VC (Hale, 1976) = *Parmelinopsis minarum*

Parmelina galbina (Ach.) Hale Syn.: *Parmelia subqercifolia* = *Myelochroa galbina* (Elix & Hale, 1987) (Not shown or listed for Mexico by Hale, 1976; unless it has been reported under some other synonym, it should be deleted from this list)

Parmelina horrescens (Taylor) Hale CHIA (Hale, 1976) = *Parmelinopsis horrescens* (Elix & Hale, 1987)

Parmelina immiscens (Nyl.) Hale DUR (Hale, 1976), JAL (Hale, 1976), MICO (Hale, 1976), OAX (Hale, 1976); PUE/VC: Orizaba (Hale, 1976) Syn.:
Parmelina immiscens, *Parmelina michoacanensis* = *Myelochroa immiscens* (Elix & Hale, 1987)

Parmelina lindmanii (Lynge) Hale QUER (Hale, 1976), TAM (Hale, 1976), VC (Hale, 1976) = *Myelochroa lindmanii* (Elix & Hale, 1987)

Parmelina muelleri (Vainio) Hale MICO (Hale, 1976), VC (Hale, 1976) =
Canomaculina muelleri (Elix & Hale, 1987)

Parmelina phlyctina (Hale) Hale CHIA (Hale, 1976) = *Parmotremopsis phlyctina* (Elix & Hale, 1987)

PARMELINA QUERCINA (Willd.) Hale BCN (Nash 38322) Syn.: *Parmelia quercina*, *P. atricha*

Parmelina spumosa (Asah.) Hale CHIA (Hale, 1976) = *Parmelinopsis spumosa* (Elix & Hale, 1987)

PARMELINOPSIS HORRESCENS (Taylor) Elix & Hale SIN (Nash) Syn.:
Parmelina horrescens

PARMELINOPSIS MINARUM (Vainio) Elix & Hale CHIH (Nash 37284); HID (Nash 38166); SIN (Nash) ZAC Syn.: *Parmelina dissecta*

PARMELINOPSIS SPUMOSA (Asahina) Elix & Hale Syn.: *Parmelina spumosa*
x**PARMELIOPSIS AMBIGUA** (Wulfen in Jacq.) Nyl. BC

PARMOTREMA ABERRANS (Vainio) Hale SIN (Nash) Syn.: *Parmelia aberrans* = misidentification of *P. madagascariaceum*?

x**PARMOTREMA ANDINUM** (Müll. Arg.) Hale NAY (Nash)

PARMOTREMA ARGENTINUM (Krempelh.) Hale CHIA (); VC?:
Consoquitla Syn.: *Parmelia subrugata* var. *mexicana*, *P. argentina* Check Hale, 1965

PARMOTREMA ARNOLDII (Du Rietz) Hale BCN (Weber, 1993); COAH (); SON (Nash) Syn.: *Parmelia arnoldii*

+**PARMOTREMA ARTEAGUM** Egan MICH (Egan, 1982)

PARMOTREMA AUSTROSINENSE (Zahlbr.) Hale JAL (Dávalos & Alvarez, 1987); COAH (); SIN (Nash); SON (Nash); VC (Coutiño & Mojica, 1985) Syn.: *Parmelia austrosinensis*

Parmotrema cetratum (Ach.) Hale (Nash, 1985 = Arizona rather than Mexico?) = *Rimelia cetrata*. Syn.: *Parmelia cetrata* -- f. *ciliosa* (Viaud-Grand-Marais) ined.? Syn.: *Parmelia cetrata* f. *ciliosa* -- var. *corniculata* (Krempehl.) ined.? Syn.: *Parmelia cetrata* var. *corniculata*

PARMOTREMA CHIAPENSE (Hale) Hale CHIA Syn.: *Parmelia chiapensis*

PARMOTREMA CHINENSE (Osbeck) Hale BC (Nash 4651); PUE SON (Nash) Syn.: *Parmelia perlata* -- var. *platylobum* (Müll. Arg.) ined.? Syn.: *Parmelia perlata* var. *platyloba* Müll. Arg.

PARMOTREMA CRINITUM (Ach.) M. Choisy CHIA (Coutiño & Mojica, 1982); CHIH (Nash 37273); COAH (); HID (Coutiño & Mojica, 1982); OAX (Coutiño & Mojica, 1982); PUE (Castorena, 1981; Coutiño & Mojica, 1982); TLAX (); VC Synonym: *Parmelia crinita*, *P. pilosella*, *P. tuckermanii*, *P. proboscidea*

PARMOTREMA CRISTIFERUM (Taylor) Hale BCS (Nash, as "aff.") Syn.: *Parmelia cristifera*

PARMOTREMA CROCOIDES (Hale) Hale COL (Hale, 1974); NAY (Hale, 1974) Syn.: *Parmelia crocoides*

x**PARMOTREMA DILATATUM** (Vainio) Hale HID (Runcel); NAY (Nash); SIN (Nash)

PARMOTREMA DOMINICANUM (Vainio) Hale Syn.: *Parmelia dominicana*

PARMOTREMA ECILIATUM (Nyl.) Hale Syn.: *Parmelia eciliata*

PARMOTREMA ENDOSULPHUREUM (Hillm.) Hale NAY Syn.: *Parmelia tinctorum* var. *endosulphurea*, *P. endosulphurea*

PARMOTREMA EURYSACUM (Hue) Hale BCS (Nash); CHIH (Nash); DUR (); HID (Couti  o & Mojica, 1982); SIN (Nash); SON (Nash); TAM (Couti  o & Mojica, 1982); VC (); ZAC () Syn.: *Parmelia eurysaca*, *P. permaculata*

PARMOTREMA FLAVESCENS (Krempelh.) Hale Syn.: *Parmelia flavesiensis*, *P. mauriensis*

x**PARMOTREMA GARDNERI** (Dodge) S  rus. NAY (Nash); SON (Nash)

PARMOTREMA GLAUCOCARPOIDES (Zahlbr.) Krog & Swinscow Syn.: *Parmelia glaucocarpoides*, "P. hababiana--protolichesterinic acid strain"

x**PARMOTREMA GRAYANUM** (Hue) Hale DUR (Nash)

PARMOTREMA HABABIANUM (Gyelnik) Hale SIN (Nash); SON (Nash)
Syn.: *Parmelia hababiana*

PARMOTREMA HYPOLEUCINUM (Steiner) Hale BCN (Culberson, 1986)
Syn.: *Parmelia hypoleucina*

PARMOTREMA HYPOTROPUM (Nyl.) Hale BC; BCS (Nash, 1992, Lich. Exs. 124); SIN (Nash); SON (Nash); VC (Couti  o & Mojica, 1985) Syn.: *Parmelia hypotropa*.

PARMOTREMA LATISSIMUM (F  e) Hale SON (Nash); TLAX -- var.
glaberrima(!) (Krempelh.) ined.? Syn.: *Parmelia latissima* (= misidentification?)

PARMOTREMA LEUCOSEMOTHETUM (Hue) Hale SIN (Nash) Syn.:
Parmelia leucosemoothetum

x**PARMOTREMA LOUISIANAE** (Hale) Hale SON (Joyal)

PARMOTREMA MADAGASCARIACEUM (Hue) Hale (should have KC+ unknown in addition to fatty acids) SIN (Nash) Syn.: *Parmelia madagascariacea*

x**PARMOTREMA MELLISII** (Dodge) Hale SIN (Nash); SON (Nash); VC (Lehto)

PARMOTREMA MESOGENES (Nyl.) Hale Syn.: *Parmelia mesogenes*

PARMOTREMA MORDENII (Hale) Hale SIN SON Syn.: *Parmelia mordenii*

PARMOTREMA MORELIENSE (de Lesd.) Culb. & C. Culb. DUR (Culberson & Culberson, 1981), MEX (Culberson & Culberson, 1981), GUAN (Culberson & Culberson, 1981), GUER (Culberson & Culberson, 1981), MICHO (Culberson & Culberson, 1981), OAX (Culberson & Culberson, 1981), SIN (Culberson & Culberson, 1981) Syn.: *Everniastrum moreliense*, *Parmelia moreliense* -- var. minor(!) (de Lesd.) ined.? Syn.: *Parmelia moreliense* var. minor

PARMOTREMA MYELOCHROUM (Hale) Hale (Hale, 1974) Syn.: *Parmelia myelochroa*

+PARMOTREMA NEOTROPICUM Hale CHIA (Hale, 1977); VC (Hale, 1977)

PARMOTREMA NILGHERRENSE (Nyl.) Hale Syn.: *Parmelia nilgherrensis*

PARMOTREMA PARAMORELIENSE Culb. & C. Culb. MEX (Culberson, 1986), MICHO (Culberson, 1986), OAX (Culberson, 1986), PUE (Culberson, 1986), SIN (Culberson, 1986)

(PARMOTREMA PERALBIDA (Hale) ined.?) Syn.: *Parmelia peralbida*

PARMOTREMA PERFORATUM (Jacq.) Massal. CHIH (Weber & Bye); NAY; HID (Nash 35838) Syn.: *Parmelia corrugis*, *P. peforata*

Parmotrema perlatum (Huds.) Choisy = *Parmotroma chinense*

PARMOTREMA PRAESOREDIOSUM (Nyl.) Hale BCS (Nash); SIN (Nash); SON (Nash) Syn.: *Parmelia praesorediosa*

xPARMOTREMA RAMPODDENSE (Nyl.) Hale HID (Lehto); PUE (Lehto)

Parmotrema reticulatum (Taylor) M. Choisy Calle de Mexico (Castorena, 1981); BCN (Weber, 1993); CHIH (Vezda, Lich. Sel. Exs. 2285); D.F. (Castorena, 1981); HID (Castorena, 1981; Coutiño & Mojica, 1982); PUE (Castorena, 1981); VC (Coutiño & Mojica, 1985) = *Rimelia reticulata* Syn.: *Parmelia reticulata*, *P. perlata* var. *ciliata*

xPARMOTREMA RIGIDUM (Lynge) Hale COAH (Nash)

PARMOTREMA ROBUSTUM (Degel.) Hale VC (Coutiño & Mojica, 1985)

PARMOTREMA SACCATILOBUM (Taylor) Hale Syn.: *Parmelia saccatiloba*

xPARMOTREMA SANCTI-ANGELII (Lynge) Hale VC (Lehto)

Parmotrema simulans (Hale) Hale = *Rimelia simulans*

PARMOTREMA STUPPEUM (Taylor) Hale BCN (Ryan); BCS (Nash); CHIH (Nash); COAH (); DUR (); PUE (); SIN (Nash); SON (Nash); TLAX (); VC (Coutiño & Mojica, 1985) Syn.: *Parmelia maxima*, *P. stuppea*

PARMOTREMA SUBARNOLDII (des Abb.) Hale CHIA Syn.: *Parmelia subarnoldii*

Parmotrema subisidiosum (Müll. Arg.) Hale HID (Coutiño & Mojica, 1982) = *Rimelia subisidiosa*

PARMOTREMA SUBRUGATUM (Krempelh.) Hale Syn.: *Parmelia subrugata* (= misidentification?)

PARMOTREMA SUBTINCTORIUM (Zahlbr.) Hale (should have salazinic only; Nash material contains norlobaridone & salazinic acid) JAL (Dávalos & Alvarez, 1987) CHIH (Nash); SIN (Nash); SON (Nash) Syn.: *Parmelia subtinctoria*, *P. subcrinita* Nyl. non auct.

PARMOTREMA SULPHURATUM (Nees & Flotow) Hale Syn.: *Parmelia sulphurata*

PARMOTREMA TINCTORIUM (Delise ex Nyl.) Hale BCS CHIH (Nash 37815); MICHO NAY SIN VC Syn.: *Parmelia tinctoria*

PARMOTREMA ULTRALUCENS (Krog) Hale Syn.: *Parmelia ultralucens*, *P. subcrinita* auct. non Nyl.

PARMOTREMA XANTHINUM (Müll. Arg.) Hale Should have fatty acids only SIN (Nash) Syn.: *Parmelia xanthina*

PARMOTREMA ZOLLINGERI (Hepp) Hale JAL Syn.: *Parmelia zollingeri*

PARMOTREMOPSIS ANTILLENSIS (Nyl.) Elix & Hale Syn.: *Parmelia antillensis*

PARMOTREMOPSIS PHLYCTINA (Hale) Elix & Hale Syn.: *Parmelia phlyctina*

Parmularia muralis (Schreber) -- +var. *mexicana* (de Lesd.) de Lesd. Amacuzac (de Lesdain, 1933) = *Lecanora* sp., possibly *L. valesiaca* (if thallus whitish) or *L.*

"nashii" (if thallus yellow-green) (see type description plus comments by de Lesdain, 1933) Type apparently lost.

+*Parmularia vulcanicola* de Lesd. MOR (de Lesdain, 1933). Type apparently lost.
= *Lecanora?* sp.

Patellaria aeruginosa Müll. Arg. CHIA: Monterrey (Müller, 1894) = *Bacidia aeruginosa*

Patellaria alutacea (Kremp.) ined. CHIA: Monterrey (Müller, 1894) = *Bacidia alutacea*

Patellaria eckfeldtii Müll. Arg. CHIA: Monterrey (Müller, 1894) = *Bacidia eckfeldtii*

Patellaria griseonigella Müll. Arg. JAL (Müller, 1894) = *Catillaria griseonigella*

Patellaria millegrana (Taylor) Müll. Arg. CHIA (Müller, 1894) = *Bacidia millegrana*

Patellaria rubellula Müll. Arg. CHIA: Monterrey (Müller, 1894) =
Patellaria rufescens Müll. Arg. = *Bacidia rufescens*

PAULIA TESSELLATA Henssen CHIA (Henssen, 1986)

PECCANIA TEXANA (Tuck.) Wetm. Syn.: *Synalissa texana*

PECCANIA sp. (Weber, 1981)

Peltigera americana (!) Vainio PUE (de Lesdain, 1922)

PELTIGERA APHTHOSA (L.) Willd. HID (Coutiño & Mojica, 1982); PUE (González de la Rosa & Guzmán, 1976; Castorena, 1981); VC (Coutiño & Mojica, 1985: veins "ligeramente obscurecidas"). Check against *P. leucophlebia*

Peltigera austroamericana(!) Zahlbr. (I56)

PELTIGERA CANINA (L.) Willd. (I56) (BSMM 3: 16, 1969; Guzmán, 1988)
Desierto Viejo (Nylander, 1872). VC (Vainio, 1926), BC (Nash 14666), CHIA (González de la Rosa & Guzmán, 1976), CHIH (Nash), D.F. (González de la Rosa & Guzmán, 1976), DUR (González de la Rosa & Guzmán, 1976), HID (González de la Rosa & Guzmán, 1976), JAL (Dávalos & Alvarez, 1987); MOR (González de la Rosa & Guzmán, 1976), N.L. (Vargas Lpez, 1973; González de

la Rosa & Guzmán, 1976), OAX (Gonzáles de la Rosa & Guzmán, 1976; Welden & Guzmán, 1978; Welden, et al., 1979), PUE (Gonzáles de la Rosa & Guzmán, 1976), MEX (Guzmán, 1972; Gonzáles de la Rosa & Guzmán, 1976), VC (Gonzáles de la Rosa & Guzmán, 1976; Guzmán & Villarreal, 1984; Wlden & Guzmán, 1978), "VALLE DE MEXICO" (Gibert, 1935), "NORTE DE MEXICO" (Hale, 1969) -- var. *rufescens* (Weis.) Mudd. (I56) Rio Frio, Pont de la Venta (de Lesdain, 1929); MEX (de Lesdain, 1929), PUE (de Lesdain, 1914; Vainio, 1926) = *P. rufescens* -- var. *leucorrhiza*(!) (Flörke) Flotow (I56) MICHO (de Lesdain, 1922), PUE (de Lesdain, 1914, 1922) -- var. *membranacea* (Ach.) Duby (I56) = *P. membranacea* -- f. *palmata*(!) Delise in Duby (I56) (de Lesdain, 1933) -- var. *praetextata* (Flörke) Lamy Acopilco (de Lesdain, 1929) = *P. praetextata* -- var. *praetextata* f. *pruinosa* de Lesd. (I56) MEX (de Lesdain, 1929) = *P. praetextata* f. *pruinosa* -- var. *spongiosa*(!) Tuck. (I56) -- f. *vivipara*(!) Hazsl. (I56) Identifications need checking

PELTIGERA COLLINA (Ach.) Schrader BC (?); CHIH (Nash 37355); HID (Nash 38025); MICHO (), SON (Hale, 1979) Syn.: *P. scutata*, *P. scutata* var. *collina*, *P. polydactyla* f. *collina*

PELTIGERA DEGENII Gyelnik (I56) MICHO Syn.: *P. virescens* var. *degenii*

PELTIGERA DIDACTYLA (With.) Laundon BC (Nash) Syn.: *P. spuria*

Peltigera dolichorrhiza Nyl. Cjuajimalpa (de Lesdain, 1933); El Desierto (de Lesdain, 1933) = *P. polydactylon* v. *dolichorrhiza*, but accepted as a separate species by Awasthi (1965)

xPELTIGERA MALACEA (Ach.) Funck MICHO (Egan)

Peltigera mauritzii(!) Gyelnik (I56) PUE (de Lesdain, 1933)

PELTIGERA MEMBRANACEA (Ach.) Nyl. SLP (Nylander, 1872). VC (Nylander, 1872), Syn.: *P. canina* var. *membranacea*

+*Peltigera mexicana*(!) Gyelnik (I56)

xPELTIGERA NEOPOLYDACTYLA (Gyelnik) Gyelnik TLAX: (Lehto)

Peltigera pellucida (Weber) Gyelnik PUE (de Lesdain, 1933) = *P. polydactylon* f. *pellucida*

PELTIGERA POLYDACTYLON (Necker) Hoffm. (Herre, 1920; Hernandez, et al., 1951; I56) (BSMM 3: 16, 1969; González de la Rosa & Guzmán, 1976; Guzmán, 1988); Dos Puentes, and Talea (Vainio, 1926) OAX?: Sempoaltepec (Vainio, 1926) BC (Nash), NL (Vargas Lpez, 1973), CHIH (Nash 36294); OAX (Vainio, 1926), PUE: Pico de Orizaba (Vainio, 1926), PUE/VC: Near Orizaba (Nylander, 1858), "NORTE DE MEXICO" (Hale, 1969)-- f. microcarpa(!) (Ach.) Merat. (I56) Rio Frio (de Lesdain, 1929); VC: Between Mirador and Consoquitla (Vainio, 1926) -- f. pellucida(!) (Weber) Dietrich. (I56) Syn.: *P. pellucida* -- var. *dolichorrhiza*(!) Nyl. (I56) Desierto Viejo (Nylander, 1872), Cuijimalpa (de Lesdain, 1922), MICHO (de Lesdain, 1914, de Lesdain, 1922), PUE (Vainio, 1926) Syn.: *P. dolichorrhiza* -- f. *collina* (Sommerf.) Nyl. MICHO (de Lesdain, 1922) = *P. collina* Identifications need checking

PELTIGERA PRAETEXTATA (Flörke ex Sommerf.) Zopf OAX?: Sempoaltepec (Vainio, 1926), CHIH (Nash); HID (Nash 38117); SON MEX -- f. *pruinosa*(!) (de Lesd.) ined.? Syn.: *P. canina* v. *praetextata*, *P. canina* var. *praetextata* f. *pruinosa* de Lesd. -- var. *subcanina*(!) (Gyelnik) Gyelnik (I56) Cima Acopilco (de Lesdain, 1933) -- var. *vivipara* Gyelnik PUE (de Lesdain, 1933)

Peltigera pulverulenta (Taylor) Krempelh. (I56) = misidentification of *P. scabrosa*

PELTIGERA RUFESCENS (Weis) Humb. CHIH (Nash); SIN (Nash) Syn.: *Peltigera canina* var. *rufescens*

PELTIGERA SCABROSA Th. Fr. Syn.: *P. pulverulenta* auct.

Peltigera scutata (Dickson) Duby (Herre, 1920; I56) -- var. *collina* (Ach.) Duby = *P. collina*

Peltigera spuria (Ach.) DC. (I56) Contradero (de Lesdain, 1929) = *P. didactyla*

Peltigera virescens (Steiner) Gyelnik var. *degenii* Gyelnik El Desierto (de Lesdain, 1933) = *P. degenii*

(**PELTINORA OLIGOCARPA** Hafellner ined.?) CHIH (Hafellner) The genus is not listed in Rambold's list of lichen genera of the world

x**PELTULA BOLANDERI** (Tuck.) Wetmore SON (Ryan)

PELTULA CLAVATA (Krempelh.) Wetm. CHIH (Wetmore, 1970).

PELTULA EUPLOCA (Ach.) Ozenda & Clauz. MICHÓ (Wetmore, 1970 Fig. 31). BCN (Wetmore, 1970; Weber, 1993; Nash 4776--BCS?); BCS (Wetmore, 1970). CHIH (Wetmore, 1970); SIN (Nash 33669) Syn.: *Heppia guepini*

x~~PELTULA FARINOSA~~ Büdel SIN (Nash 33670); CHIH (Nash 36114)

x~~PELTULA IMPRESSA~~ (Vainio) Swinscow & Krog BCN (Nash; Ryan); CHIH (Nash 11964, det. Büdel); SON (Nash 12525, as "cf.")

PELTULA MICHOACANENSIS (de Lesd.) Wetmore BCN (Ryan); MICHÓ (Wetmore, 1970) Syn.: *Heppia michoacanensis* de Lesd.

PELTULA OBSCURANS (Nyl.) Gyelnik SON -- var. **DESERTICOLA** (Zahlbr.) Wetm. (Wetmore, 1970--Fig. 34; Ryan) BCS (Nash 33859) Syn.: *Heppia michoacanensis* var. *adnata* -- var. **HASSEI** (Zahlbr.) Wetm. (Wetmore, 1970) BC Nash 34308 SON: Wetmore (1970). -- var. **OBSCURANS** Localities not given (Wetmore, 1970)

PELTULA OMPHALIZA (Nyl. in Eckf.) Wetm. BCN/SON (Wetmore, 1970 Fig. 36); BCS (Nash 33951); SON (Ryan); OAX (Wetmore, 1970) Syn.: *Heppia omphaliza*, *Endocarpiscum omphalizum*

PELTULA PATELLATA (Bagl.) Swinscow & Krog BCN (Ryan 21424, 21491); BCS (Nash 8962); CHIH (Nash 13826, 13762); COAH (Nash 6710); SON () Syn.: *P. polyspora*, *Heppia polyspora*, *H. leptopholis*, *H. terrena*

PELTULA PLACODIZANS (Zahlbr.) Wetm. (Wetmore, 1970, Fig. 37); BCN (Ryan); BCS (Wetmore, 1970); DUR (Wetmore, 1970); SIN (Wetmore, 1970); SON (Ryan) Syn.: *Heppia placodizans*

Peltula polyspora (Tuck.) Wetm. SON (Wetmore, 1970); south-central part of country (Wetmore, 1970 Fig. 38) = *P. patellata*

PELTULA RADICATA (Ach.) Nyl. Mexico?

PELTULA RICHARDII (Herré) Wetm. central part of the country (Wetmore, 1970 Fig. 39); SON (Nash)

PELTULA SONORENSIS Büdel & T. Nash BCS (Büdel & Nash, 1993) SIN (Büdel & Nash, 1993) SON (Büdel & Nash, 1993)

PELTULA ZAHLBRUCKNERI (Hasse) Wetm. BCN (Nash 26226, as "cf."); Nash 8772); SON (Nash 12525, as "cf."); SIN (Nash 33673).

PERTUSARIA ALBESCENS (Hudson) M. Choisy & Werner in Werner Syn.: *P. globulifera*

x^x**PERTUSARIA AMARA** (Ach.) Nyl. BCN (Nash); COAH (Nash); SIN (Nash)

PERTUSARIA ARIZONICA Dibben BCS (Nash); CHIH (numerous Nash specimens); DUR (Nash); HID (Nash 35894); SIN (Nash); SON (Nash; Ryan)

+*Pertusaria arsenii*(!) de Lesd. (I56) Chiquilhuite (de Lesdain, 1929), D.F. (de Lesdain, 1929); MICHO (de Lesdain, 1914)

+*Pertusaria assimilans*(!) Nyl. (I56)

+*Pertusaria azulensis*(!) de Lesd. (I56) MICHO (de Lesdain, 1914)

Pertusaria bispora(!) Linder (I56)

XPERTUSARIA CALIFORNICA Dibben BCN (Nash 38449)

x^x**PERTUSARIA AFF. CHIODECTONOIDES** Massal. BC (Nimis & Tretiach, 1994, unpubl.)

PERTUSARIA EXCLUDENS Nyl. CHIH (Nash, det. Lumbsch); SON (Nash, det. Lumbsch)

PERTUSARIA FLAVICUNDA Tuck. BCN (Weber, 1993; Ryan; L-36534, COLO (& ASU?)); SON (Ryan)

Pertusaria globulifera (Turner) Massal. (I56) PUE/VC: Near Orizaba (Nylander, 1858), PUE (de Lesdain, 1914) = *P. albescens* (Dibben, 1980)

PERTUSARIA HYMENEA (Ach.) Schaeerer Syn.: *P. wulfenii*

x^x**PERTUSARIA LECANINA** Tuck. BCN (Ryan 21315-b)

PERTUSARIA LEIOPLACA DC. in Lam. & DC. (Hernandez, et al., 1951; I56) PUE/VC: Near Orizaba (Nylander, 1858); SON (Nash) Syn.: *P. leucostoma* -- var. *octospora* Nyl. (I56) MICHO (de Lesdain, 1914) = ? -- var. *thelenelloides* Nyl. (I56) = ?

Pertusaria leioplacella(!) Nyl. (Müller, 1884; I56)

Pertusaria leucostoma (Bernh.) Massal. = *P. leioplaca*

Pertusaria cf. lutescens (Hoffm.) Lamy = misidentification

+Pertusaria mariae(!) de Lesd. (I56) MICH0 (de Lesdain, 1914)

+PERTUSARIA MORELIENSIS de Lesd. (I56) CHIH (Nash, 1992, Lich. Exs. 127); COAH (Nash, det. Lumbsch); D.F. (de Lesdain, 1929); DUR (Nash, det. Lumbsch); HID (de Lesdain, 1933; Nash 35895), MICH0 (de Lesdain, 1914); SIN (Nash, det. Lumbsch); SON (Nash, det. Lumbsch)

PERTUSARIA MULTIPUNCTA (Turn.) Nyl. (I56) = misidentifications for North America (at least north of Mexico)

xPERTUSARIA OPHTHALMIZA (Nyl.) Nyl. (Nash specimens, several det. by Dibben) CHIH (Nash); COAH (Nash); DUR (Nash); HID (Nash 35848); SIN (Nash); VC (Nash 35770)

PERTUSARIA PARATUBERCULIFERA Dibben Syn.: P. tuberculifera auct.

Pertusaria pilulifera (Pers. in Gaud.) Nyl. (I56) PUE/VC: Near Orizaba (Nylander, 1858) = P. velata (Dibben, 1980)

+Pertusaria polystictoides(!) Vainio (I56) PUE: Pico de Orizaba (Vainio, 1926)

+Pertusaria porinella(!) Nyl. (Krempelhuber, 1876; I56)

Pertusaria pseudococcodes(!) Müll. Arg. (I56)

PERTUSARIA PUSTULATA (Ach.) Duby (I56)

xPERTUSARIA SANTAMONICAE Dibben SIN (Nash, det. Lumbsch)

+Pertusaria saxorum(!) de Lesd. (I56) MOR (de Lesdain, 1933)

+Pertusaria tejocotensis(!) de Lesd. (I56) MICH0 (de Lesdain, 1914)

PERTUSARIA TETRATHALAMIA (Fée) Nyl. (I56) JAL (Herre, 1944b)

Pertusaria tuberculifera Nyl. (I56) MICH0 (de Lesdain, 1914) = probably misidentification of P. paratuberculifera

PERTUSARIA VELATA (Turner) Nyl. (I56) Syn.: P. pilulifera -- f. +liebmanni(!) Vainio (I56) PUE (Vainio, 1926)

Pertusaria wulfenii Lam. & DC. (Eckfeldt, 1893; I56) PUE/VC: Near Orizaba (Nylander, 1858), BC, MICHO (de Lesdain, 1914) = *P. hymenea*.

+*PERTUSARIA WULFENIOIDES* de Lesd. (I56) Rio Frio (de Lesdain, 1929); MEX (de Lesdain, 1933) BCS (McGill); CHIH (Nash); DUR; MEX (Nash 38188); PUE (Nash 35679); VC (Nash 35771)

PERTUSARIA XANTHODES Müll. Arg. BCN (Ryan; Nash); BCS (Nash, Lich. Exs. 129); SON (Nash); SIN (Nash)

PERTUSARIA spp. nov. Lumbsch ined. (at least 6)

PHAEOGRAPHINA ASTEROIDES Fink SLP (Wirth & Hale, 1963)

PHAEOGRAPHINA CAESIOPRUINOSA (Fée) Müll. Arg. CHIA (Wirth & Hale, 1963), NL (Wirth & Hale, 1963), VC (Wirth & Hale, 1963)

PHAEOGRAPHINA CHRYSOCARPA (Raddi) Redgr. CHIA (Wirth & Hale, 1963)

PHAEOGRAPHINA ELLIPTICA Wirth & Hale CHIA (Wirth & Hale, 1963)

PHAEOGRAPHINA SCALPTURATA (Ach.) Mull. Arg. (I56) CHIA (Wirth & Hale, 1963), SLP (Wirth & Hale, 1963), VC (Wirth & Hale, 1963) = *P. caesiopruinosa* for North American records (Harris, 1990a) at least north of Mexico

PHAEOGRAPHINA STRIGOPS Wirth & Hale CHIA (Wirth & Hale, 1963)

PHAEOGRAPHIS ARTHONOIDES (Vainio) Zahlbr. Syn.: *P. sexloculata*

PHAEOGRAPHIS DENDRITICA (Ach.) Müll. Arg. (I56) CHIA (Müller, 1894; Wirth & Hale, 1963), VC (Wirth & Hale, 1963)

PHAEOGRAPHIS EXALTATA (Mont. & v. d. Bosch) Müll. Arg. (Weber, 1981) BCN (Weber, 1993); CHIA (Wirth & Hale, 1963)

Phaeographis inusta(!) (Ach.) Müll. Arg. (I56)

Phaeographis leiogrammodes(!) (Krempelh.) Müll. Arg. (I56)

Phaeographis patellula(!) (Fée) Müll. Arg. (I56)

PHAEOGRAPHIS SERICEA (Eschw. in Mart.) Müll. Arg. CHIA (Wirth & Hale, 1963), VC (Wirth & Hale, 1963)

Phaeographis sexloculata Fink Carmen Island (Wirth & Hale, 1963) = *P. arthonioides*

x**PHAEOPHYSCIA ADIASTOLA** (Essl.) Essl. BCS (Nash 16988)

PHAEOPHYSCIA CERNHORSKYI (Nadv.) Essl. BCN (Weber, 1993)

PHAEOPHYSCIA CILIATA (Hoffm.) Moberg BC (); SON (Ryan) Syn.: *Physcia obscura* auct. -- var. *ulotrichodes*(!) (Nyl.) ined.? Syn.: *Physcia obscura* var. *ulotrichodes*

PHAEOPHYSCIA ENDOCOCCINA (Körber) Moberg BC ? Syn.: *Physcia endococcina* -- var. **ENDOCOCCINODES** (Poelt) Moberg CHIH (Nash 37865 det. Moberg) Syn. *P. endococcinodes*

Phaeophyscia endococcinodes (Poelt) Essl. MOR: Esslinger (1978) = *P. endococcina* v. *endococcinodes* (Moberg, 1995--Nord. J. Bot. 15: 319-335)

PHAEOPHYSCIA ERYTHROCARDIA (Tuck.) Essl. D.F.: Esslinger (1978).

PHAEOPHYSCIA HIRSUTA (Mereschk.) Essl. BC (?); CHIH (Nash); COAH (Esslinger, 1978); JAL (Esslinger, 1978); SON (Nash)

PHAEOPHYSCIA HISPIDULA (Ach.) Moberg CHIH (Esslinger, 1978; Nash 36671 and many others); HID (Nash 38122). Syn.: *Physcia hispidula*, *P. setosa* -- (ssp. *hispidula*). (!)D.F. (Esslinger, 1978) -- (ssp. *limbata*!) (Poelt) Essl. (ined.?) Syn. *Physcia hispidula* ssp. *limbata* D.F. (Esslinger, 1978); MICO (Esslinger, 1978); PUE (Esslinger, 1978); SIN (Esslinger, 1978); MEX (Egan 10469); VC (Esslinger, 1978)

x**PHAEOPHYSCIA KAIRAMOI** (Vainio) Moberg BCN (Ryan); SON (Ryan)

PHAEOPHYSCIA ORBICULARIS (Necker) Moberg BC (Nash 14727) Syn.: *Physcia virella*

PHAEOPHYSCIA RUBROPULCHRA (Degel.) Moberg (source of info.?) Syn.: *Physcia endochrysea*

x**PHAEORRHIZA** sp. BC (Isla Cedros, Nash 34310); SON (Nash 33565)

Phaeotrema auberianum (Mont. in Sagra) Müll. Arg. (I56) = *Ocellularia auberiana*

Phaeotrema disciforme (Leighton) Hale (Hale, 1974) Syn.: *P. galactinum* = (different genus?)

+*Phaeotrema galactinum* (Vainio) Zahlbr. (I56) = *P. disciforme* (Hale, 1974)

Pharcidia dispersa Winter* no locality given (de Lesdain, 1929); DF (de Lesdain, 1933) = *Zwackhiomyces dispersa*

Pharcidia epicymatia (Wallr.) Winter* DF (de Lesdain, 1933) PUE (de Lesdain, 1914) = *Stigmidium schaereri*

Pharcidia epistigmella (Nyl.) * MICH (de Lesdain, 1922) -- var. *meiospora* Vouaux* MICH (de Lesdain, 1914), PUE (de Lesdain, 1914) = ?

Pharcidia schaereri (Massal.) Arnold QUER (de Lesdain, 1922) = *Stigmidium schaereri*

+*Pharcidia squamariae* de Lesd. PUE (de Lesda., 1909) = *Stigmidium atryneae*

x*PHYLLOBAEIS ERYTHRELLA* (Mont.) Kalb. MEX (Egan) Syn.: *Baeomyces erythrella*

PHYLLOBAEIS RUBESCENS (Vainio) Kalb Syn.: *Baeomyces rubescens*

Phylloporina epiphylla (Fée) Müll. Arg. (Müller, 1890; Davis, 1936; Santesson, 1952; I56) Q.R. (Hedrick, 1935) = *Porina epiphylla*

Phylloporina leptospermoides (Müll. Arg.) Müll. Arg. (Müller, 1890; I56) = *Porina limbulata*

Phylloporina phyllogena (Müll. Arg.) Müll. Arg. (Müller, 1890; Santesson, 1952; I56) = *Strigula phyllogena*

Phylloporina rubentior (Stirton) Müll. Arg. (Müller, 1890; Santeson, 1952; I56) = *Sagestria rubentior*

(*Phylloporina thaxteri* (R. Sant.) ined.) (I56) = *Pseudosagedia thaxteri* (= *Trichothelium thaxteri* acc. to Harris, 1995)

Phylloporis phyllogena (Müll. Arg.) Clem. = *Strigula phyllogena*

Phyllopsora breviuscula (Nyl.) Müll. Arg. (I56) = *P. parvifolia* v. *breviuscula* --
var. *+glaucina* (Vain.) Zahlbr. (I56)

PHYLLOPSORA BUETTNERI (Müll. Arg.) Zahlbr. -- v. **GLAUCA** (de Lesd.)
Brako GUER: (Brako, 1991) (chemical strain I).

+**PHYLLOPSORA BYSSISEDA** (Hue) Zahlbr. (I56; Swinscow & Krog, 1981)
Syn.: *Lecidea byssiseda*

PHYLLOPSORA CORALLINA (Eschw.) Müll. Arg. D.F. (de Lesdain, 1929)
Syn.: *Lecidea parvifolia* var. *corallina*, *P. parvifolia* v. *corallina* -- v.
CORALLINA MICO (Brako, 1991) NL (Brako, 1991) VC (Brako, 1991) -- v.
OCHROXANTHA (Nyl.) Brako MOR (Brako, 1991) (chemical strain I) SLP:
(Brako, 1991) (chemical strain I) -- v. **RAPPIANA** Brako VC: Brako (1991) --
var. **SANTENSIS** (Tuck.) Brako Syn.: *P. santensis*, *Lecidea miradorensis*, *P.*
miradorensis -- var. *schizophyllodes*(!) (Vainio) Zahlbr.

PHYLLOPSORA FURFURACEA (Pers.) Zahlbr. in Engler & Prantl--CHIA
(Brako, 1991) VC (Brako, 1991) Syn.: *Lecidea furfuracea*

PHYLLOPSORA GLABELLA (Nyl.) G. Schneider SLP: (Brako, 1991)

+**PHYLLOPSORA MICROSPERMA** Müll. Arg. (I56; Swinscow & Krog, 1981)
JAL (Müller, 1894)

Phyllopsora miradorensis (Vainio) G. Schneider (Schneider, 1979) = *P. corallina*
v. *santensis*

PHYLLOPSORA PARVIFOLIA (Pers.) Müll. Arg. CHIA: Monterrey (Müller,
1894); Q.R. (Hedrick, 1935) -- v. **PARVIFOLIA** TAM: Brako (1991) -- VAR.
BREVIOUSCULA (Nyl.) Brako CHIH (Nash 37789) Syn.: *P. breviuscula* -- v.
corallina (Eschw.) de Lesd. MICO (de Lesdain, 1914) = *P. corallina* = *P.*
corallina

Phyllopsora santensis (Tuck.) Swinsc. & Krog (Swinscow & Krog, 1981) = *P.*
corallina v. *santensis*

Physcia adglutinata (Flörke) Nyl. MICO (de Lesdain, 1914, 1922), PUE (de
Lesdain, 1914) = *Hyperphyscia adglutinata* -- var. *pyrithrocardia* Müll. Arg.
MICO (de Lesdain, 1914) = *Hyperphyscia pyrithrocardia* (Müll. Arg.) Moberg
& Aptroot (need to put that name under *Hyperphyscia*(!)) -- var. *subvirella* Nyl. =

PHYSCIA ADSCENDENS (Fr.) Olivier BCN (Linder, 1934, as ; Weber, 1993; Ryan; Nash 38329 det. Moberg); SON

Physcia aegiliata (Ach.) Nyl. MICH (de Lesdain, 1914) = *Dirinaria confusa* or *D. confluens*

x**PHYSCIA AFRA** Hue (Nash notes on keys; Kalb determination)

PHYSCIA AIPOLIA (Ehrh. ex Humb.) Fürnr. San Juanico (de Lesdain, 1929), BCN (Ryan); BCS (Nash); CHIH (Nash 37820-b det. Moberg); D.F. (de Lesdain, 1929); DUR; MEX (de Lesdain, 1929); SON (Nash; Ryan) -- f. *aipolia* -- f. *anthelina* (Ach.) Vain. D.F. (de Lesdain, 1929)

PHYSCIA ALBA (Fée) Müll. Arg. ISL. DE REV. (Hedrick, 1942); VC: Mirador (Vainio, 1926), BCS; COAH; MICH (de Lesdain, 1933); SIN (Nash); SON (Ryan); YUC (Hedrick, 1935) = misidentifications for N. America (at least north of Mexico) -- v. *obsessa* (Mont.) Lynge PUE/VC: Orizaba (Lynge, 1924) = *P. integrata* (var. *obsessa*), but misidentifications for N. America (at least north of Mexico)

"*Physcia albicans* (Pers.) J. W. Thomson" = *P. atrostriata* for N. American reports

x**PHYSCIA ALBINEA** (Ach.) Nyl. BCS (Nash 17115)

Physcia astroidea (Clem.) Nyl. = *P. clementei*

Physcia atrocapilla(!) (Taylor) Imsh.? Syn.: *Parmelia atrocapilla* Taylor

x**PHYSCIA ATROSTRIATA** Moberg SIN (Nash) Check identification. Syn. *P. albicans* for N. Am. records

x**PHYSCIA BIZIANA** (Massal.) Zahlbr. BC (Isla Cedros, Nash 34489 det. Moberg); CHIH (Nash); N.L. (Nash); SON (Nash); ZAC (Nash)

PHYSCIA CAESIA (Hoffm.) Fürnr. BCN (Weber, 1993; Nash 38355 det. Moberg); BCS COAH SIN SON (Herre, 1944a)

PHYSCIA CALLOSA Nyl. BCN (Weber, 1993); BCS; CHIH (Nash); SIN; SON (Ryan); ZAC

x**PHYSCIA CASCADENSIS** H. Magn. BCN (Ryan); BCS (Nash); CHIH (Nash); DUR (Nash); SIN (Nash)

xPHYSCIA CINEREA Moberg SON (Nash, det. Moberg)

PHYSCIA CLEMENTEI (Sm. in Sm. & Sow.) Lyngé (source of info.?) Syn.: P. astroidea

Phycia clementiana(!) (Ach.) Kickx. SON (Herre, 1944a)

Phycia comosa (Eschw.) PUE/VC: Near Orizaba (Nylander, 1858) =
Heterodermia comosa

PHYSCIA CONVEXA Müll. Arg. Syn.: P. substellaris

xPHYSCIA CONVEXELLA Moberg SIN (Nash, det. Moberg)

PHYSCIA CORONIFERA Moberg VC: Mirador (Moberg, 1990)

PHYSCIA CRISPA auct. -- var. hypomela(!) Tuck. -- var. hypomelaena (Tuck.)
Hue CHIA (Vainio, 1926)

XPHYSCIA DIMIDIATA (Arnold) Nyl. BCN (Nash 38354 det. Moberg) CHIH
(Nash 37725 det. Moberg); HID (Nash 38123 det. Moberg)

Phycia domingensis(!) (Ach.) Nyl. PUE/VC: Near Orizaba (Nylander, 1858)

xPHYSCIA DUBIA (Hoffm.) Lettau BC (?); SON (Ryan)

Phycia elaeina (Sm.) A. L. Sm. D.F. (de Lesdain, 1929) MEX (de Lesdain,
1929) = Hyperphyscia adglutinata -- v. subvirella Nyl. D.F. (de Lesdain, 1929)

Phycia endochrysea (Hampe) Nyl. = Phaeophyscia rubropulchra

Phycia endococcinea (Körber) Th. Fr. Cazadero (Vainio, 1926), OAX (Vainio,
1926), PUE (Vainio, 1926) = Phaeophyscia endococcinea

xPHYSCIA ERUMPENS Moberg BCS (Nash, det. Moberg); CHIH (Nash, det.
Moberg); NAY (Nash, det. Moberg); N.L. (Nash, det. Moberg); SON (Nash, det.
Moberg)

Phycia farinacea Hue Tepozatlan, San Borja (de Lesdain, 1929) =

Phycia flavicans "DC." (Krempelhuber, 1868) PUE/VC: Near Orizaba
(Nylander, 1858), SLP (Nylander, 1872) VC (Nylander, 1872), = ? Teloschistes
flavicans

Physcia grisea auct. (Gonzales de la Rosa & Guzmán, 1976; Guzmán, 1988) BC (Thomson, 1963), "NORTE DE MEXICO" (Hale, 1969) = *Physconia detersa*, but Mexican records are based on misidentifications

x~~PHYSCIA~~ HALEI J. W. Thomson BCN (Nash--?--book says *P. subtilis*); CHIH (Nash); SON (Nash)

Physcia howelii(!) Linder (Linder, 1934; I56)

+~~PHYSCIA~~ INTEGRATA Nyl. (Moberg, 1986) CHIH (Nash37820-a det. Moberg) -- var. obsessa (Mont.) Vainio Syn. *P. alba* v. obsessa -- f. *phaeocarpoides* Vainio CHIA (Vainio, 1926), VC (Vainio, 1926), Malvapam (Vainio, 1926)-- f. *subalba* Vainio Alpatlabua (Vainio, 1926), Cabrestros (Vainio, 1926), VC (Vainio, 1926), = misidentifications for N. America (at least north of Mexico)

Physcia leucomela (L.) Michaux (Eckfeldt, 1893) Desierto Viejo (Nylander, 1872), PUE/VC: Near Orizaba (Nylander, 1858), SLP (Nylander, 1872) VC (Nylander, 1872), = *Heterodermia leucomelos* -- v. *latifolia* (Mey. & Flot.) Nyl. Desierto Viejo (Nylander, 1872) -- var. *subcomosa* Nyl. (Krempelhuber, 1868) = ? *Heterodermia subcomosa*

+*Physcia major* Nyl. PUE/VC: Near Orizaba (Nylander, 1858)

+~~PHYSCIA~~ MEXICANA de Lesd. (Haworth & James, 1983; Gonzales de la Rosa & Guzmán, 1976; Guzmán, 1988) BC (Nash 21381); COAH D.F. (de Lesdain, 1922; Gibert, 1935), HID (Thomson, 1963), JAL (Thomson, 1963), MICHO (de Lesdain, 1922), PUE (de Lesdain, 1914), SON (Nash)

Physcia mexicanorum(!) Zahlbr. (de Lesdain, 1933) Syn.??: *P. farinacea* Hue

x~~PHYSCIA~~ MILLEGRAVA Degel. BC (Nash); PUE (Lehto)

Physcia obscura auct. Penn Pobre, Los Morales (de Lesdain, 1929); D.F. (de Lesdain, 1929); MICHO (de Lesdain, 1922) PUE (de Lesdain, 1914) = *Phaeophyscia ciliata* -- var. *endococcinea* (Körber) Th. Fr. Rio Frio (de Lesdain, 1929); MICHO (de Lesdain, 1914) = *Phaeophyscia endococcinea* -- var. *ulotrichodes* Nyl. (de Lesdain, 1914) CHIA: Monterrey (Müller, 1894) -- var. *virella* (Ach.) Th. Fr. Tepozatlan, "California" (de Lesdain, 1929) = *Phaeophyscia hispidula*

Physcia obsessa (Mont.) Nyl. non Ach. *Valle Mexicensis* near San Nicolas (Nylander, 1872) = *P. integrata*, but misidentifications for N. America (at least north of Mexico)

PHYSCIA PHAEA (Tuck.) J. W. Thomson BCN (Weber, 1993; Nash 38394 det. Moberg); BCS (Nash); CHIH (Nash); DUR MICHO SIN (Nash); SON (Nash)

Physcia picta (Swartz) Nyl. = *Dirinaria picta*

x~~PHYSCIA~~ *PONCINSII* Hue BCN (Nash, det. Moberg); BCS (Nash, det. Moberg); CHIH (Nash 36564 det. Moberg); COAH (Nash, det. Moberg); NAY (Nash, det. Moberg); SIN (Nash, det. Moberg); SON (Nash, det. Moberg)

Physcia setosa (Ach.) Nyl. *Villa Alta* (Vainio, 1926), *Aguas Santos* (Vainio, 1926), *Trapiche de la Concepcion* (Vainio, 1926), D.F. (de Lesdain, 1929), MICHO (de Lesdain, 1914, 1922), PUE (de Lesdain, 1914), SLP (Nylander, 1872) VC (Nylander, 1872), = *Phaeophyscia hispidula* -- +f. minor de Lesd. PUE (de Lesdain, 1914) -- f. setosa -- f. virella de Lesd. MEX (de Lesdain, 1929)

PHYSCIA SOREDIOSA Vainio Cordoba and Cabestros (Lyngé, 1924)

Physcia speciosa "Fr." (Krempelhuber, 1868) PUE/VC: Near Orizaba (Nylander, 1858) = *Heterodermia speciosa* -- v. *hypoleuca* (Ach.) Nyl. Desierto Viejo (Nylander, 1872), SLP (Nylander, 1872) VC (Nylander, 1872) = *Heterodermia hypoleuca*

PHYSCIA STELLARIS (L.) Nyl. Guadelupe, Desierto (de Lesdain, 1929); BC (Nash 4747); BCN (Ryan; Nash 38330 det. Moberg); MICHO (de Lesdain, 1914), D.F. (Nylander, 1872; de Lesdain, 1929); PUE (de Lesdain, 1914) PUE/VC: near Orizaba (Nylander, 1858), NL SON (Herre, 1944a; Ryan); YUC (Hedrick, 1935); ZAC -- var. *obsessa* (Mont.) PUE/VC: Near Orizaba (Nylander, 1858) = *P. integrata*; previous reports from N. America N of Mexico have been misidentifications

Physcia subcomosa Nyl. VC (Nylander, 1869, Flora, p. 322)

+*Physcia substellaris* de Lesd. MICHO (de Lesdain, 1914) = *P. convexa* Müll. Arg.

x~~PHYSCIA~~ *SUBTILIS* Degel. BC (Nash 9061); PUE (Lehto 21959-e, det. Moberg)

xPHYSCIA TENELLA (Scop.) DC. in Lam. & DC. BCN (Nash; Ryan); BCS (Nash); N.L. (Nash); SON (Nash)

PHYSCIA TRIBACIA (Ach.) Nyl. Desierto; BCN (Nash 38393 det. Moberg); CHIH (Nash 36110 det. Moberg); D.F. (de Lesdain, 1929); HID (Nash, det. Moberg); MICHO (de Lesdain, 1914); PUE (Nash, det. Moberg); SON (Nash, det. Moberg)

PHYSCIA UNDULATA Moberg SON (Nash, det. Moberg)

Phycia virella (Ach.) Flagey (I56; de Lesdain, 1929) = Phaeophyscia orbicularis (Nimis, 1993)

Phycidia sp. (Krempelhuber, 1876) = ?

xPHYSCIILLA CHLOANTHA (Ach.) Essl. SON (Ryan) The genus = Phaeophyscia acc. to Moberg

xPHYSCIILLA NEPALENSIS (Poelt) Essl. SON (Ryan) The genus = Phaeophyscia acc. to Moberg

Physconia detersa (Nyl.) Poelt BC (?) = misidentification

xPHYSCONIA ENTEROXANTHA (Nyl.) Poelt CHIH (Nash)

Physconia grisea (Lam.) Poelt BCN (Weber, 1993) = misidentification

xPHYSCONIA MUSCIGENA (Ach.) Poelt BC (?)

xPHYSCONIA PERISIDIOSA (Erichsen) Moberg BCN (Ryan)

PHYSMA BYRSAEUM (Ach.) Müll. Arg.(Tuck.?) (I56)

Pilophoron cereolus var. fibula (Tuck.) Tuck. (I56) = Pilophorus fibula

PILOPHORUS FIBULA (Tuck.) Th. Fr. HID (de Lesdain, 1929); Syn.: P. cereolus var. fibula

Placodium amabile = Caloplaca pellodella

+Placodium augustinum Vainio Plaga de S. Augustin (Vainio, 1926) = Caloplaca augustina

Placodium brachylobum (Müll. Arg.) de Lesd. MICHО (de Lesdain, 1914), PUE (de Lesdain, 1914) = listed as the result of an error (de Lesdain, 1922) = *Caloplaca brachyloba*

+*Placodium brouardii* de Lesd. D.F. (de Lesdain, 1929); MICHО (de Lesdain, 1914) = *Caloplaca brouardii* -- +var. *flavidum* de Lesd. MICHО (de Lesdain, 1914)

Placodium cinnabarinum (Ach.) = *Caloplaca cinnabrina* -- var. *opacum* (Müll. Arg.) de Lesd. MICHО (de Lesdain, 1914)

+*Placodium contrerasii* de Lesd. D.F. (de Lesdain, 1933) = *Caloplaca contrerasii*

Placodium decipiens Arnold Guadalupe (de Lesdain, 1929) = *Caloplaca decipiens*

Placodium domingense (Pers.) Vainio -- var. *inexplicata* (Nyl.) Vainio VC: Mirador (Vainio, 1926) =? *Letrouitia*

Placodium elegans (Ach.) DC. MEX (de Lesdain, 1933) = *Xanthoria elegans*

Placodium gilvum (Hoffm.) Vainio OAX (Vaino, 1926) = *Caloplaca cerina*

Placodium lobulatum (Pers.) (de Lesdain, 1929) = *Caloplaca lobulata* -- var. *radiatum* (Hue) ined. (de Lesdain, 1929)

+*Placodium mexicanum* de Lesd. (Hawksworth & James, 1983) D.F. (de Lesdain, 1922; de Lesdain, 1929), MICHО (de Lesdain, 1914), PUE (de Lesdain, 1914) = *Candelina mexicana*

Placodium murorum (Hoffm.) DC. in Lam. & DC. -- var. *citrinum* Hoffm. PUE/VC: Near Orizaba (Nylander, 1858) = *Caloplaca citrina* -- var. *miniatum* (Ach.) Nyl. Guadelupe (de Lesdain, 1929) QUER (de Lesdain, 1922) = ? -- var. *congestum* Flagey Tenayuca (de Lesdain, 1929), D.F. (de Lesdain, 1929), PUE (de Lesdain, 1922), QUER (de Lesdain, 1922) -- var. *miniatum* (Ach.) Nyl. Guadalupe (de Lesdain, 1929) -- var. *radiatum* (Hue) de Lesd. MICHО (de Lesdain, 1922), PUE (de Lesdain, 1922), QUER (de Lesdain, 1922) -- +f. *tectorum* de Lesd. MICHО (de Lesdain, 1922)

+*Placodium punctiforme* Vainio Plaga de S. Augustin (Vaino, 1926) = *Caloplaca punctiformis*

+*Placodium singulare* de Lesd. MOR (de Lesdain, 1933) = *Caloplaca singularis*

+*Placodium squamosum* de Lesd. (de Lesdain, 1933) = *Caloplaca squamosa* --
var. *tectorum* (de Lesd.) de Lesd. Syn. *P. murorum* v. *radiatum* f. *tectorum*

Placodium subcerinum (Nyl.) Vainio VC: Mirador (Vainio, 1926) = *Caloplaca subcerina*

+*Placodium submexicanum* de Lesd. Tenayuca (de Lesdain, 1929), PUE (de Lesdain, 1914), QUER (de Lesdain, 1922) -- +f. *imbricata* de Lesd. MICH (de Lesdain, 1922) = *Candelina submexicana*

+*Placodium tolucae* de Lesd. MEX (de Lesdain, 1933) = *Caloplaca tolucae*

Placopsis amabilis(!) de Lesd. PUE: Monts de Cuatzin (Bouly de Lesdain, 1933)
= of uncertain position (Lamb, 1947)

XPLACOPSIS GELIDA (L.) LIndsay PUE (Nash 35656); VC (Nash 35818)

x*PLACYNTHIUM NIGRUM* (Huds.) S. Gray CHIH (Nash)

x*PLACYNTHIUM SUBRADIATUM* (Nyl.) Arnold COAH: (Nash)

Platysma ciliare (Ach.) Nyl. MICH (de Lesdain, 1914) = *Tuckermannopsis ciliaris*

+*Pleionocutula brouardi* Vouaux "in litt." + MICH (de Lesdain, 1914)

PLEOPSIDIUM CHLOROPHANUM (Wahlenb. in Ach.) Zopf Syn.: *Acarospora chlorophana*

PLEOPSIDIUM FLAVUM (Bellardi) Körber Syn.: *Acarospora flava*

Pleosphaerulina peltigericola (Nyl.) Vouaux MEX (de Lesdain, 1929) =

Pleoscutula brouardii Vouaux, nomen nudum = *P. arsenii* Vouaux (de Lesdain, 1929)

Pleoscutula arsenii Vouaux (Vouaux, 1913; de Lesdain, 1929)

+*Polyblastia mexicana*(!) de Lesd. (de Lesdain, 1909, p. 477; I56) PUE (de Lesdain, 1914)

Polyblastiopsis geminella (Nyl.) Zahlbr. in Engler-Prantl. (Tuckerman, 1872; Müller, 1882; Hue, 1892; I56) = *Julella geminella*

Polycauliona coralloides (Tuck.) Hue BCN (Weber, 1993) = *Caloplaca coralloides*

POLYCOCCUM GALLIGENUM Vezda* BCS (Triebel, et al., 1991)

Porina africana Müll. Arg. (Davis, 1936; I56) CHIA: Monterrey (Müller, 1894)

PORINA EPIPHYLLA Fée Q.R. Syn.: *Phylloporina epiphylla*

+*Porina heteropsis*(!) (Nyl.) Zahlbr. (Hue, 1892; I56) Syn.: *Verrucaria heteropsis*

PORINA LIMBULATA (Krempelh.) Vainio Syn.: *Phylloporina leptospermoides*

Porina marginata(!) Fée (Krempelhuber, 1876; I56)

Porina mastoidea (Ach.) Müll. Arg., nom. illegit., non Fée (Krempelhuber, 1868; I56) PUE/VC: Orizaba (McCarthy, 1993); SLP (McCarthy, 1993) = *Clathroporina mastoidea* (Harris, 1995)

Porina nitidula Müll. Arg. SLP (Serusiaux, 1976) = *Pseudosagedia nitidula* (= *Trichothelium nitidula* acc. to Harris, 1995)

Porina octomera (Müll. Arg.) Schilling SLP (Serusiaux, 1976) = *Sagestrlia octomera* (Harris, 1995)

Porina phyllogena Müll. Arg. = *Phylloporis phyllogena* (Farkas & Sipman, 1993) (= *Strigula phyllogena* acc. to Harris, 1995)

Porina rubentior (Stirton) Müll. Arg. = *Sagestrlia rubentior* (Harris, 1995)

+*Porina semiintegra*(!) Müll. Arg. (Müller, 1885, p. 325; I56)

Porina tetracerae (Afz. in Ach.) Müll. Arg. (Nylander, 1858, as ; Hue, 1892; Müller, 1894; I56) Monterey (McCarthy, 1993) = *Clathroporina tetracerae* (Harris, 1995)

Porina thaxteri R. Sant. VC (Santesson, 1952, p. 218) = *Pseudosagedia thaxteri* (= *Trichothelium thaxteri* acc. to Harris, 1995)

PROTOPARMELIA BADIA (Hoffm.) Hafellner CHIH (Nash 37483); VC (Nash 35725) Syn.: *Lecanora badia*

PSEUDEPHEBE PUBESCENS (L.) M. Choisy BCN (Brodo & Hawksworth, 1977) Syn.: *Alectoria pacifica*

PSEUDEVERNIA CLADONIA (Tuck.) Hale & W. Culb. (Yoshimura & Sharp, 1968)

PSEUDEVERNIA CONSOCIANS (Vainio) Hale & Culb. (BSM 17: 173, 1982; Guzmán, 1988) (Hale, 1968--map in Fig. 5--SE part of the country) CHIH (Nash); COAH D.F. (Dávalos, et al., 1972); DUR (Dávalos, et al., 1972); HID (Dávalos, et al., 1972; Coutiño & Mojica, 1982); JAL (Dávalos & Alvarez, 1987); MEX (Dávalos, et al., 1972; Guzmán, 1972); MICHO (Dávalos, et al., 1972); MOR (Dávalos, et al., 1972); OAX (Welden & Guzmán, 1978); PUE (Dávalos, et al., 1972); SIN (); VC (Coutiño & Mojica, 1985; Guzmán & Villarreal, 1984) Syn.: *Parmelia consocians*

PSEUDEVERNIA INTENSA (Nyl.) Hale & W. Culb. (BSMM 17: 174, 1982; Guzmán, 1988) (Hale, 1968--map in Fig. 4--throughout the country except northwesternmost parts) CHIH (Dávalos, et al., 1972; Nash); COAH (); D.F. (Dávalos, et al., 1972); DUR (Dávalos, et al., 1972); HID (Coutiño & Mojica, 1982); JAL (Dávalos, et al., 1972); MEX (Dávalos, et al., 1972); MICHO (Dávalos, et al., 1972); MOR (Dávalos, et al., 1972); PUE (Dávalos, et al., 1972); SIN (Rundel); TLAX (Dávalos, et al., 1972); VC (Coutiño & Mojica, 1985) Syn.: *Parmelia furfuracea* auct.; *Parmelia furfuracea* v. *intensa*, *Parmelia intensa*, *Evernia intensa* -- var. *ceratea* (!)(Ach.) ined.? Syn.: *Parmelia furfuracea* var. *ceratea* -- f. *albida*(!) (de Lesd.) ined.? Syn.: *Parmelia furfuracea* f. *albida* -- f. *scobicina*(!) (de Lesd.) ined.? Syn.: *Parmelia furfuracea* f. *scobicina*

PSEUDOCYPHELLARIA AURATA (Ach.) Vainio (I56) (RMM 1: 392, 1985; Guzmán, 1988) Huitamalco (Vainio, 1926), Hacienda de Jovo (Vainio, 1926) CHIA (Vainio, 1926), D.F. (Dávalos, et al., 1972); DUR (Dávalos, et al., 1972); GUER (Bernabè, 1977); HID (Dávalos, et al., 1972; Coutiño & Mojica, 1982); JAL (Dávalos & Alvarez, 1987); MICHO (Dávalos, et al., 1972); MOR (Dávalos, et al., 1972); OAX (Welden & Guzmán, 1978); PUE (Dávalos, et al., 1972); VC (Vainio, 1926; Coutiño & Mohica, 1985; Guzmán & Villarreal, 1984)

Pseudocypsellaria aurora (de Not.) Vainio Syn.: *Sticta aurora* de Not. = *P. clathrata* (Vainio, 1926)

PSEUDOCYPHELLARIA CLATHRATA (de Not.) Vainio VC?: Consoquitla (Vainio, 1926), VC (Vainio, 1926), CHIA (Vainio, 1926) Syn.: *P. aurora*, *Sticta clathrata* de Not.

Pseudoparmelia caperata (L.) Hale (several states in eastern and southern parts of the country) (Hale, 1976--see map in Fig. 8) D.F. (Dávalos, et al., 1972); HID (Coutiño & Mojica, 1982; Dávalos, et al., 1972); MICHO (Dávalos, et al., 1972); OAX (Dávalos, et al., 1972) = *Flavoparmelia caperata*

Pseudoparmelia carneopruinata (Zahlbr.) Hale NAY (Hale, 1976), VC (Hale, 1976) = *Canoparmelia carneopruinata* (comb. nov.?--check Hale's *Canoparmelia* article)

Pseudoparmelia caroliniana (Nyl.) Hale CHIA (Hale, 1976), HID (Hale, 1976), VC (Hale, 1976) = *Canoparmelia caroliniana*

Pseudoparmelia crozalziana (de Lesd.) Hale MEX (Hale, 1976), VC (Hale, 1976) = *Canoparmelia crozalziana*

Pseudoparmelia cryptochlorophaea (Hale) Hale VC (Hale, 1976) = *Canoparmelia cryptochlorophaea*

Pseudoparmelia leucoxantha (Müll. Arg.) Hale HID (Coutiño & Mojica, 1983); OAX (Hale, 1976) = *Flavoparmelia leucoxantha* (comb. nov.?--check Hale's *Flavoparmelia* article)

Pseudoparmelia martinicana (Nyl.) Hale VC (Hale, 1976) = *Canoparmelia martinicana*

Pseudoparmelia raunkiaeri (Vainio) Hale TAM (Hale, 1976) = *Canoparmelia raunkiaeri* (comb. nov.?--check Hale's *Canoparmelia* article)

Pseudoparmelia rutidota (Hooker & Taylor) Hale TAM (Hale, 1976) = *Flavoparmelia rutidota*

Pseudoparmelia salacinifera (Hale) Hale CHIA (Hale, 1976) = *Canoparmelia salacinifera*

PSEUDOPARMELIA SPHAEROSPORA (Nyl.) Hale CHIA (Hale, 1976), JAL (Hale, 1976) Syn.: *Parmelia congruens*

Pseudoparmelia texana (Tuck.) Hale CHIA (Hale, 1976), CHIH (Hale, 1976), HID (Hale, 1976), MICHO (Hale, 1976), OAX (Hale, 1976), VC (Hale, 1976) = *Canoparmelia texana*

PSEUDOPELTULA HEPPIOIDES Henssen BCS (Henssen, 1995)

PSEUDOPELTULA MYRIOCARPA Henssen GUE (Henssen, 1995) QUE
(Henssen, 1995)

Pseudophyscia hypoleuca (Muhlnb.) Hue MICHQ (de Lesdain, 1914), PUE (de Lesdain, 1914) = *Heterodermia hypoleuca*

Pseudophyscia speciosa (Wulfen) Hue MICHQ (de Lesdain, 1914, 1922) =
Heterodermia speciosa -- +var. *mexicana* de Lesd. PUE (de Lesdain, 1914) =?
Heterodermia mexicana -- +f. *isidiophora* de Lesd. PUE (de Lesdain, 1914) =
Heterodermia granulifera

PSEUDOSAGEDIA NITIDULA (Müll. Arg.) Hafellner & Kalb Syn.: *Porina nitidula* = *Trichothelium nitidula* acc. to Harris, 1995

PSEUDOSAGEDIA THAXTERI (R. Sant.) Hafellner & Kalb Syn.: *Porina thaxteri* = *Trichothelium thaxteri* acc. to Harris, 1995

xPSILOLECHIA LUCIDA (Ach.) M. Choisy CHIH (Nash); DUR (Nash)

PSORA CALIFORNICA Timdal BCN (Timdal, 1986)

+*Psora concava* de Lesd. PUE (de Lesdain, 1910, p. 461; Schneider, 1979);
COAH (Schneider, 1979) = *P. crenata* (Timdal, 1986) Schneider (1979) treated
P. nicolai (= *P. russellii*) as a synonym, which means that the records cited by
Schneider, other than the type, may be *P. russellii*.

Psora coroniformis (Krempelh.) Müll. Arg. COAH (de Lesdain, 1922), D.F. (de
Lesdain, 1929); PUE (de Lesdain, 1914) = *P. crenata* (Schneider, 1979) (v.
coroniformis?)

PSORA CRENATA (Taylor) Reinke (RMM 3: 226, 1987; Guzmán, 1988) BCN
(Timdal, 1986; Weber, 1993); COAH (Dávalos, et al., 1972); HID (Dávalos, et
al., 1972); JAL (Dávalos & Alvarez, 1987); OAX (Dávalos, et al., 1972; Welden
& Guzmán, 1978); SLP (Dávalos, et al., 1972); SON (Timdal, 1986); ZAC
(Dávalos, et al., 1972) (Pre-1979 reports were as *Lecidea* and should be cited
there instead of here) Syn.: *Biatora crenata*, *Lecidea concava*, *L. crenata*, *Psora*
concava -- var. *coroniformis* (!) (Krempelh.) ined.? Syn.: *Lecidea crenata* var.
coroniformis, *P. coroniformis*

PSORA DECIPIENS (Hedwig) Hoffm. BC (Nash 34011); BCN (Ryan); SON
(Timdal, 1986--acid deficient strain) Syn.: *Lecidea decipiens*.

PSORA GLOBIFERA (Ach.) Massal. SON (Timdal, 1986, Fig. 6; acid-deficient strain; no specimen cited in text) Syn.: *Lecidea globifera*.

PSORA ICTERICA (Mont.) Müll. Arg. (Timdal, 1986) CHIH (Nash 36164); HID (Nash 38125); MICO (de Lesdain, 1922), PUE (de Lesdain, 1914) Syn.: *Lecidea icterica*, *Biatora icterica*

Psora mexicana de Lesd. DF (de Lesdain, 1922), PUE (de Lesdain, 1914) Syn.: *Lecidea mexicana* (Type apparently lost--Schneider, 1979; identity uncertain--Timdal, 1986)

+**Psora michoacanensis** de Lesd. HID (de Lesdain, 1933), MEX (de Lesdain, 1933); MICO (de Lesdain, 1933); MOR (de Lesdain, 1933), Syn.: *Lecidea michoacanensis* (Type apparently lost--Schneider, 1979)

+**Psora nicolai** de Lesd. (Haworth & James, 1983) COAH (de Lesdain, 1922), PUE (de Lesdain, 1914) = *P. russellii* (Timdal, 1986)

+**Psora nigrorufa** de Lesd. D.F. (de Lesdain, 1922), MICO (de Lesdain, 1914) = *Psorula rufonigra* (Schneider, 1979) -- +var. *terrena* de Lesd. D.F. (de Lesdain, 1922) Syn.: *Lecidea nigrorufa*

PSORA NIPPONICA (Zahlbr.) G. Schneider BCN (Timdal, 1986) Syn.: *Psora novomexicana*

+**PSORA NITIDA** Timdal BCN (Timdal, 1986)

Psora novomexicana de Lesd. = *P. nipponica*

Psora ostreata Hoffm. Lerma (de Lesdain, 1929) = *Hypocenomyce scalaris*

PSORA PACIFICA Timdal BCN (Timdal, 1986)

PSORA PSEUDORUSSELLII Timdal (Timdal, 1986) COAH (Nash 6701, det. Timdal in 1993); SON (Ryan)

PSORA RUSSELLII (Tuck.) A. Schneider BCN (Timdal, 1986) COAH (Nash 6720, det. Timdal in 1993; also see note under *P. concava*); PUE (de Lesdain, 1914; also see note under *P. concava*), SON (Timdal, 1986) Syn.: *Lecidea russellii*, *Lecidea nicolai*, *Psora nicolai* -- f. *dealbata*(!) (Tuck.) ined.? Syn.: *Lecidea russelli* f. *dealbata*

PSORA TUCKERMANII R. Anderson ex Timdal BCN (Timdal, 1986); CHIH (Nash 37208)

XPSORINIA CONGLOMERATA (Ach.) Gotth. Schneider VC (Nash 35736)

Psorama pholidotum(!) (Mont.) Müll. Arg. (I56)

xPSOROTICHIA HASSEI Fink SON (Ryan)

PSOROTICHIA SQUAMULOSA Zahlbr. (I56)

PSORULA RUFONIGRA (Tuck.) G. Schneider BCS (Nash 17123); CHIH (Nash 37869); D.F. (Schneider, 1979); MICO (Schneider, 1979); SON (Nash 33569) Syn.: *Lecidea rufonigra*, *L. nigrorufa*, *Psora rufonigra*, *P. nigrorufa*, *Biatora rufonigra* -- var. *terrena* (de Lesd.) ined.? Syn.: *Psora nigrorufa* var. *terrena*

PUNCTELIA APPALACHENSIS (Culb.) Krog COAH; HID; N.L.; PUE; VC
Syn.: *Parmelia appalachensis*

PUNCTELIA BOLLIANA (Müll. Arg.) Krog SON Syn.: *Parmelia bolliana*

PUNCTELIA BORRERI (Sm.) Krog Syn.: *Parmelia borreri*,

PUNCTELIA HYPOLEUCITES (Nyl.) Krog BC (?); CHIH (Nash); COAH (); HID (Nash 35873); MEX (Nash 38182); N.L. (); PUE (Nash 35702); S.L.P. (); SIN (Nash); SON (Nash); VC (); ZAC () Syn.: *Parmelia azulensis*, *P. hypoleucites*

PUNCTELIA RUDECTA (Ach.) Krog BC (Nash 17164); CHIH (Nash); DUR (); HID (Nash 38077); N.L. (); SIN (Nash); SON (Nash); VC () Syn.: *Parmelia rudentata* -- var. *microphyllina*(!) (Nyl. in Hue) ined.? Syn.: *Parmelia rudentata* var. *microphyllina*

xPUNCTELIA SEMANSIANA (Culb. & C. Culb.) Krog CHIH (Nash); HID (Nash 35897); SON (Nash)

PUNCTELIA SUBRUDECTA (Nyl.) Krog BCN (Nash); BCS (Nash); CHIH (Nash 36858); DUR (); MEX (Nash 38183); PUE (Nash 35695); SIN (Nash); SON (Ryan); VC (Nash 35774); ZAC () Syn.: *Parmelia dubia*, *P. subrudecta*

PYRENIDIUM ACTINELLUM Nyl. BCN (Triebel, et al., 1991); DUR (Triebel, et al., 1991)

+*Pyrenodesmia amabilis* de Lesd. (de Lesdain, 1933) D.F. (de Lesdain, 1929) =
Caloplaca pellodella

+*Pyrenodesmia angelica* de Lesd. D.F. (de Lesdain, 1929) = *Caloplaca angelica*

+*Pyrenodesmia microcarpa* de Lesd. TLAX (de Lesdain, 1914) = *Caloplaca microcarpa*

+*Pyrenodesmia xochitepecensis* de Lesd. MOR (de Lesdain, 1933) = *Caloplaca xochitepecensis*

PYRENULA CERINA Eschw. (Dávalos, et al., 1972; Guzmán, 1988)

PYRENULA CRUENTA (Mont.) Vainio Syn.: *Melanotheca cruenta*,
Trypethelium cruentum

Pyrenula fetivica(!) (Krempelh.) Müll. Arg. (I56) Syn.: *Verrucaria fetivica*

Pyrenula glabrata (Ach.) Massal. (I56) = *P. laevigata*

PYRENULA LAEVIGATA (Pers.) Arnold Syn.: *P. glabrata*

Pyrenula nitida (Weigel) Ach. (I56) = misidentifications for N. America (at least north of Mexico) -- f. *pinguis* (Chevall) Zahlbr. (I56)

PYRENULA NITIDELLA (Flörke ex Schaeerer) Müll. Arg. (Davis, 1936; I56)
CHIA: Monterrey (Müller, 1894)

PYRENULA OCHRACEOFLAVA (Nyl.) R. C. Harris NAY (Aptroot, in prep.)

Pyrenula papuliformis Eckf. = *Arthopyrenia papuliformis*

Pyrenula pinguis ((Chevall.)?) Fée CHIA: Monterrey (Müller, 1894) =? *P. nitida* f. *pinguis*

PYRRHOSPORA QUERNEA (Dickson) Körber BCN (Nash 38601) Syn.:
Lecidea quernea

PYXINE BERTERIANA (Fée) Imsh. Syn. *P. meisneri* -- var.
SUBOBSCURASCENS (Malme) Imsh. COL (Imshaug, 1957), PUE/VC: Pico Orizaba (Imshaug, 1957)

Pyxine brachyloba Müll. Arg. (Dodge, 1936) = *P. minuta* (Imshaug, 1957)

Pyxine chrysanthoides Vainio SLP (Imshaug, 1957) = *P. subcinerea*

PYXINE COCOES (Swartz) Nyl. (Krempelhuber, 1876) =? misidentification

PYXINE ENDOLEUCA (Müll. Arg.) Vainio (de Lesdain, 1914, 1922; Imshaug, 1957) Syn.: *P. meissneri* var. *endoleuca*

Pyxine meissneri Tuck. = *P. berteriana* -- var. *endoleuca* Müll. Arg. MICH0 (de Lesdain, 1914), QUER (de Lesdain, 1922) = *P. endoleuca*

x**PYXINE MEISSNERIANA** Nyl. SON (Nash 33603)

PYXINE MINUTA Vainio (Imshaug, 1957) Syn.: *P. brachyloba*

PYXINE PETRICOLA Nyl. in Crombie BCN (Ryan; Nash); BCS (Nash; Patron); SON (Ryan; Nash) Syn.: *Pyxine pringlei*

PYXINE PHYSCIAEFORMIS (Malme) Imsh. MOR (Imshaug, 1957)

+*Pyxine pringlei* Imsh. Monterey (Imshaug, 1957), CHIH (Imshaug, 1957); JAL (Imshaug, 1957) MOR (Imshaug, 1957) = *Pyxine petricola*

x**PYXINE RETIRUGELLA** Nyl. CHIH (Nash 31213, det. Moberg)

Pyxine sorediata (Ach.) Mont. (Krempelhuber, 1876; Davis, 1936) MICH0 (de Lesdain, 1914) = misidentifications, mostly of *P. chrysanthoides* and *P. endoleuca*

PYXINE SUBCINEREA Stirton BCS (Nash 33769, 33772) Syn.: *P. chrysanthoides*

RAMALINA AHTII Kashiw. & Nash CHIH (Kashiwadani & Nash, 1994).

Ramalina alludens(!) Nyl. (Merrill, 1908) BC ("cf."); PUE/VC: Orizaba (Howe, 1914 (part 8))

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RAMALINA AMERICANA Hale Syn.: *Ramalina fastigiata* auct.

+**RAMALINA ASAHINAE** Culb. & C. Culb. (Culberson, et al., 1990--see map; Kashiwadani & Kalb, 1993); CHIA (Culberson, et al., 1990); TLAX (Nash, 1992, Lich. Exs. 133)

+RAMALINA BAJACALIFORNICA Bowler & Rundel BCN (Bowler & Rundel, 1972a; Rundel, 1978); BCS (Bowler & Rundel, 1972a; Rundel, 1978)

RAMALINA CALICARIS (L.) Fr. = probable misidentifications -- var. canaliculata(!) Fr. PUE/VC: Near Orizaba (Nylander, 1858); VC (Coutiño & Mojica, 1985) = probable misidentifications -- var. fraxinea (L.) Fr. (Eckfeldt, 1893) PUE/VC: Near Orizaba (Nylander, 1858) = R. fraxinea

RAMALINA CANARIENSIS Steiner BCN (Riefner & Bowler, 1994); BCS (Riefner & Bowler, 1994)

RAMALINA CELASTRI (Sprengel) Krog & Swinscow (Riefner & Bowler, in press) HID (Nash 38030) Syn.: R. ecklonii auct., R. yemensis, R. yemensis var. ecklonii -- f. latior (Nyl.) ined.? Syn.: R. yemensis f. latior -- f. sublinearis(!) (Nyl.) ined.? Syn.: R. yemensis f. sublinearis

Ramalina cephalota Tuck. = Vermilacinia cephalota

Ramalina ceruchis (Ach.) de Not. (Weber, 1981) BCN (Howe, 1913 (part 1); Sipman, 1993, Lich. Exs. 91) = Vermilacinia ceruchis -- f. cephalota Tuck. = Vermilacinia cephalota -- var. tumidula (Taylor) Nyl. "Laguna, California" (= BC?) (Howe, 1913 (part 1))

RAMALINA CHICITAE Culb. HID (Nash 37997, 38029); MEX (Nash 38184); PUE (Nash 35697); Nash exs.

Ramalina combeoides Nyl. (Weber, 1981; Brizuela & Guzmán, 1971; Guzmán, 1988) = Niebla combeoides -- var. +robusta Howe Agiabampo (Howe, 1913 (part 1)); BCN (Howe, 1913 (part 1)) = Vermilacinia robusta

RAMALINA COMPLANATA (Swartz) Ach. (Krempelhuber, 1868; Eckfeldt, 1893; Hernandez, et al., 1951; Nash, et al., 1979), Desierto (de Lesdain, 1929); BC (de Lesdain, 1929; Patrón, et al., 1985; Rundel, 1978); CAMP (Hedrick, 1935); D.F. (de Lesdain, 1922, 1929); ISL. DE REV. (Linder, 1934); JAL (Dávalos & Alvarez, 1987); MEX (de Lesdain, 1922, 1929; Gibert, 1935); MICHO (de Lesdain, 1914, 1922, 1929), NAY (Herre, 1944b), PUE (Vainio, 1926), Q.R. (Hedrick, 1935); VC (Nylander, 1872; Herre, 1944b); YUC (Hedrick, 1935) -- +f. complanatella(!) Vainio Morro de Boquilla (Vainio, 1926)

Ramalina crinita Tuck. BCN (Howe, 1914 (part 5); BCS (Howe, 1914 (part 5); Kalb, 1991, Exs. 517); = Trichoramalina crinita

Ramalina dendriscoidella(!) Vainio VC: Mirador (Vainio, 1926)

RAMALINA DENTICULATA (Eschw. in Mart.) Nyl. BCN (Rundel, 1978); BCS (Nash, 1989, Lich. Exs. 88; Nash, 1992, Lich. Exs. 134, as "cf.") Syn.: Parmelia denticulata -- var. canalicularis(!) Nyl. PUE/VC: Orizaba (Howe, 1914 (part 5)) -- +var. elongata(!) Vainio VC: Mirador (Vainio, 1926)

RAMALINA DILACERATA (Hoffm.) Hoffm. VC Syn.: Fistulariella dilacerata

Ramalina duriae (de Not.) Bagl. BC (Rundel, et al., 1972a; Rundel, 1978) = R. lacera

Ramalina ecklonii auct. (BSMM 3: 17, 1969; Brizuela & Guzmán, 1971; Guzmán, 1988) = R. celastri

Ramalina evernioides Nyl. = R. lacera

RAMALINA FARINACEA (L.) Ach. s. lato (I56) (Hernandez, et al., 1951; Brizuela & Guzmán, 1971; BSMM 17: 176, 1982; Guzmán, 1988) BCN (Howe, 1914 (part 3); (Linder, 1934, as ; Bowler & Rundel, 1978; Rundel, 1978; Weber, 1993); CHIH (Howe, 1914 (part 3)); COAH (Howe, 1914 (part 3)); DUR (Howe, 1914 (part 3)); GUER (Villanueva, 1983); HID (de Lesdain, 1929; Castorena, 1981; Coutiño & Mojica, 1982); MEX (Castorena, 1981); SON (Howe, 1914 (part 3); Herre, 1944a) Syn.: R. hypoprotocetrarica, R. reagens, R. pacifica

Ramalina fastigiata (Pers.) Ach. Cuzamaboga (Howe, 1914 (part 4)); CHIH (Howe, 1914 (part 4)); COAH (Howe, 1914 (part 4)); DUR (Howe, 1914 (part 4)) = probable misidentifications of Ramalina americana -- var. lacerata(!) Müll. Arg. -- var. subampliata (Nyl.) Howe BC (Hue, 19 ; Howe, 1914 (part 4)) = R. subampliata, but misidentifications for N. Am.

RAMALINA FRAXINEA (L.) Ach. (I56) BCN (Riefner & Bowler, in press); SON (Herre, 1944a) Syn.: R. calicaris var. fraxinea

Ramalina homalea Ach. (Eckfeldt, 1893; Weber, 1981) Coronados Island (Howe, 1913 (part 1)); BCN (Howe, 1913 (part 1); Hale, 1969; Sipman, 1993, Lich. Exs. 92, 93) = Niebla homalea

Ramalina hypoprotocetrarica Culb. VC (Coutiño & Mojica, 1985) = R. farinacea

Ramalina lacera (With.) Laundon = new genus (Riefner & Bowler, in prep.) BC
Syn.: R. duriae, R. evernioides

Ramalina laevigata(!) Fr. (I56) BC

RAMALINA LEPTOCARPHA Tuck. BCN (Rundel & Bowler, 1976; Rundel, 1978; Weber, 1979) BCS (Rundel & Bowler, 1976; Rundel, 1978) Syn.: *R. menziesii* Tuck., non Taylor

Ramalina linearis (Swartz) Ach. BCN (Howe, 1914 (part 3)); BCS (Howe, 1914 (part 3)); PUE/VC: Orizaba (Howe, 1914 (part 3)) = probable misidentifications (the species is restricted to New Zealand and Tahiti according to Stevens (19))

RAMALINA MENZIESII Taylor, non Tuck. BCN (Howe, 1914 (part 4); Rundel, 1978; Riefner & Bowler, in press; Ryan) Syn.: *R. reticulata*

Ramalina menziesii Tuck. (Eckfeldt, 1893) = *R. leptocarpha*

+*Ramalina mexicana(!)* Vainio (I56) Totutla (Vainio, 1926)

RAMALINA MORANII Bowler & Rundel BCS (Bowler & Rundel, 1973; Rundel, 1978)

XRAMALINA OBTUSATA (Arnold) BIller CHIH (Nash 37320)

Ramalina pacifica Asah. VC (Couti  o & Mojica, 1985) = *Ramalina farinacea* s. lato

RAMALINA PALMIFORMIS Kashiw. & Nash N.L. (Kashiwadani & Nash, 1994)

RAMALINA PERUVIANA Ach. BC PUE (de Lesdain, 1914, Vainio, 1926) The reports from BCS (Nash, Lich. Exs. 89 and 137, as "cf." *peruviana*) were based on *R. wigginsii* (Kashiwadani & Nash, 1994) -- +var. *pollinariaeformis*(!) Vainio PUE: Pico de Orizaba (Vainio, 1926) -- var. *tenuescens*(!) Vainio PUE: Pico de Orizaba (Vainio, 1926)

RAMALINA POLLINARIA (Westr.) Ach. (I56) BC (cf.)

Ramalina cf. *polycarpa*(!) BC (?)

RAMALINA POLYMORPHA (Liljeblad) Ach. BCN (Ryan)

Ramalina reagens (de Lesd.) Culb. BCN = *R. farinacea*

Ramalina reticulata (Noedhen) Krempelh. (BSMM 3: 17, 1969; Brizuela & Guzmán, 1971; Guzmán, 1988) Monterrey (Howe, 1914 (part 4)); Manzanillo (Howe, 1914 (part 4)); BCN (Howe, 1914 (part 4)); SIN (Howe, 1914 (part 4)) = *R. menziesii* Taylor

RAMALINA RIGIDA Ach. (Krempelhuber, 1868, 1876; Herre, 1920; I56)
PUE/VC: Near Orizaba (Nylander, 1858)

RAMALINA SAYREANA Culb. & C. Culb. (Culberson, et al., 1990--see map)
MEX (Culberson & Culberson, 1981)

RAMALINA SHARPII Rundel COA (Rundel, 1978), HID (Rundel, 1978), NL
(Rundel, 1978)

RAMALINA SINALOENSIS Bowler & Rundel BC ("cf."); SIN (Bowler & Rundel, 1972b)

RAMALINA SINENSIS Jatta BCN (Riefner & Bowler, in press; Ryan)

+**RAMALINA SONORENSIS** Kashiw. & Nash BCN (Kashiwadani & Nash, 1994), BCS (Kashiwadani & Nash, 1994).

RAMALINA SOREDIANTHA Nyl. Morro de Boquilla (Vainio, 1926); Tampico (Howe, 1914 (part 4)); Uzul (Howe, 1914 (part 4)); YUC (Hedrick, 1935)

Ramalina stenospora Müll. Arg. "California": San Roque I., San Benito I., Magdalena I. (there is an island by the latter name in NAY) (Howe, 1914 (part 7)) = (probably) misidentification of *R. bajacalifornica* (Bowler & Rundel, 1972)

Ramalina subcalicaris(!) Nyl. Valle Cordovensi (Nylander, 1872), Totutla (Vainio, 1926) VC: Mirador (Vaino, 1926)

Ramalina subfraxinea(!) Nyl. -- f. *firmior*(!) Nyl.

RAMALINA SUBLEPTOCARPHA Rundel & Bowler BCN (Rundel & Bowler, 1976; Rundel, 1978; Weber, 1979, 1981); BCS (Rundel & Bowler, 1976; Rundel, 1978)

RAMALINA SUBPOLLINARIA Nyl. VC (Vainio, 1926; Kashiwadani, 1987)

Ramalina testudinaria Nyl. BCN (Howe, 1913 (part 1)) = *Niebla homalea* -- var. *humilis* Müll. Arg.

RAMALINA USNEA (L.) R. Howe (Brizuela & Guzman, 1971; Guzmán, 1988) S.L.P. (Howe, 1914 (part 8); VC (Landrén, 1972) -- chemical race I, with sekikaic + homosekikaic acids) SIN (Rundel, 1978), TAM (Rundel, 1978); -- var. usneoidella (Nyl.) R. Howe (Howe, 194 (part 8) -- f. tenuis (Nyl.) Zahlbr. Syn.: R. usneoides f. tenuis

Ramalina usneoides(!) (Ach.) Fr. (Krempelhuber, 1868; Merrill, 1908; I56) PUE (Vainio, 1926) -- f. tenuis Nyl. Morro de Boquilla (Vainio, 1926) = **R. usnea** f. tenuis

+**RAMALINA WIGGINSII** Bowler & Rundel BCS (Bowler & Rundel, 1973; Rundel, 1978; Kashiwadani & Nash, 1994), SIN (Kashiwadani & Nash, 1994)

Ramalina yemensis (Ach.) Nyl. (Merrill, 1908) Monterrey, Japotlan, Honey Station, and Sierra Madre (Howe, 1914 (part 4)) BCN (Howe, 1914 (part 4)); CHIA (Howe, 1914 (part 4)); COAH (Howe, 1914 (part 4)); DUR (Howe, 1914 (part 4)); GUAN (Howe, 1914 (part 4)); MICHO (de Lesdain, 1914, 1922); N.L. (Howe, 1914 (part 4)); PUE (de Lesdain, 1914, 1922; Vainio, 1926); S.L.P. (Nylander, 1872; Howe, 1914 (part 4)); SON (Howe, 1914 (part 4)); ZAC (Howe, 1914 (part 4)) -- var. ecklonii (Sprengel) Vainio -- f. latior Nyl. (Merrill, 1908) MICHO (de Lesdain, 1922) -- f. sublinearis Nyl. (Merrill, 1908) PUE (de Lesdain, 1922) = **R. celastri**

Reinkella californica Räsänen BCN (Ryan) = **Hubbsia californica**

+**REINKELLA PARISHII** Hasse BCN (Hasse, 1914; I56; Rundel, 1978; Nash, 1989, Lich. Exs. 90)

RELICINA ABSTRUSA (Vainio) Hale CHIA (Hale, 1975) Syn.: **Parmelia abstrusa**

Rhinodina spp. = **Rinodina** spp.

RHIZOCARPON BADIOATRUM (Flörke ex Sprengel) Th. Fr. -- var. *atroalbum* (L.) Malme in Vainio (I56) Llano Chico (de Lesdain, 1933) = ?

x**RHIZOCARPON BOLANDERI** (Tuck.) Herre BCN (Nash 36116)

x**RHIZOCARPON DISPORUM** (Naeg. ex Hepp) Müll. Arg. CHIH (Nash 36116), SON (Nash 10459)

Rhizocarpon disporum auct. = **R. geminatum**

RHIZOCARPON GEMINATUM Körber BC (?) Syn.: *R. disporum* auct.

RHIZOCARPON GEOGRAPHICUM (L.) DC. (I56) (RMM 3: 219, 1987; Guzmán, 1988) VC (Coutiño & Mojica, 1985) -- f. *atrovirens* (L.) Massal. (I56) MEX (de Lesdain, 1933) -- f. *contiguum* (Schaeerer) Massal. (I56) MEX (de Lesdain, 1933)

RHIZOCARPON GRANDE (Flörke ex Flotow) Arnold (source of info.?) =? *R. eupetraeum* (Feuerer, 1991; but *R. grande* was accepted by Esslinger & Egan, 1995)

+*Rhizocarpon mexicanum*(!) de Lesd. (I56) D.F. (de Lesdain, 1929)

RHIZOCARPON RIPARIUM Räsänen (source of info.?) =? subspecies of *R. geographicum*

RHIZOPLACA CHRYSOLEUCA (Sm.) Zopf BCN (McCune, 1987); CHIH (Nash 36117) Syn.: *Lecanora rubina*

xRHIZOPLACA GLAUCOPHANA (Nyl.) W. Weber BCN (Sigal)

RHIZOPLACA MELANOPHTHALMA (DC. in Lam. & DC.) Leuck. & Poelt (including var. *subpeltata* (Lyngé) BCN (McCune, 1987)

xRHIZOPLACA SUBDISCREPANS (Nyl.) R. Sant. SON (Nash)

Ricasolia corrosa (Ach.) PUE/VC: Near Orizaba (Nylander, 1858) = *Lobaria corrosa*

Ricasolia intermedia Nyl. PUE/VC: Near Orizaba (Nylander, 1858) = *Lobaria intermedia*

Ricasolia pallida (Hook.) Nyl. (Krempelhuber, 1868) = *Lobaria pallida*

Ricasolia platyloba Nyl. = *Lobaria platyloba*

Ricasolia subcorrosa Nyl. SLP (Nylander, 1872) = *Lobaria subcorrosa*

RIMELIA CETRATA (Ach.) Hale & Fletcher CHIH (Nash 36634); D.F.; MICHO; PUE; SIN ("cf.") Syn.: *Parmelia cetrata*, *Parmotrema cetratum*

RIMELIA RETICULATA (Taylor in Mack.) Hale & Fletcher BCN (Weber, 1993; Nash 8728) BCS Nash 33797, 8958, 16947, etc. CHIH (Nash), COAH,

DUR, HID (Nash), PUE, SIN, SON, TLAX Misidentifications of *R. cetratum*?
Syn.: *Parmotrema reticulatum*

RIMELIA SUBSIDIOSA (Müll. Arg.) Hale & Fletcher CHIH (Nash); HID
Syn.: *Parmotrema subisidiosum*

x**RIMELIELLA CONFERENDA** (Hale) Kurok. SIN (Nash)

Rinodina angelica Stizenb. BCN (Weber, 1993) = *Mobergia angelica*
+*Rinodina azulensis*(!) de Lesd. MICH (de Lesdain, 1914)

RINODINA BISCHOFFII (Hepp) Massal. PUE (de Lesdain, 1914)

x**RINODINA BOLANDERI** H. Magn. BCN (Nash 4546)

x(**RINODINA BOULDERENSIS** Sheard ined.) BC (Nash 4671)

+*Rinodina calculiformis* W. A. Weber BCN (Weber, 1964, 1993; Weber, Lich.
Exs. 94) = *Mobergia calculiformis*

RINODINA CONRADII Körber BCN (Weber, 1993); SON

Rinodina diplinthia(!) (Nyl.) Zahlbr. PUE (de Lesdain, 1914) -- +var. *flavida* de
Lesd. MICH (de Lesdain, 1914)

Rinodina dirinoides Zahlbr. BC () = *Mobergia angelica*

+*Rinodina estrellae*(!) de Lesd. DF (de Lesdain, 1933)

RINODINA EXIGUA (Ach.) S. Gray PUE (de Lesdain, 1914)

Rinodina flavonigella(!) Tuck. (I56; Davis, 1936)

+*Rinodina mexicana*(!) de Lesd. MICH (de Lesdain, 1914)

RINODINA MICROBOLA Tuck. ex Hedr. BCN (Weber, 1977)

Rinodina novomexicana de Lesd. SON (Herre, 1944a; I56) = *Dimelaena*
novomexicana -- f. *caesia* de Lesd. SON (Herre, 1944a; I56)

+*Rinodina polycarpa*(!) de Lesd. DF (de Lesdain, 1933)

Rinodina sabulosa Tuck. PUEBLO: Pico de Orizaba (Vainio, 1926) = *R. conradii*

+*Rinodina suboreina* de Lesd. (Sheard, 1974; Hawksworth & James, 1983) San Juanico (de Lesdain, 1929), D.F. (de Lesdain, 1929), HID (de Lesdain, 1929), Tenayuca (de Lesdain, 1929), MEX (de Lesdain, 1929), MICHO (de Lesdain, 1914), QUER (de Lesdain, 1922) = *Dimelaena suboreina*

RINODINA TURFACEA (Wahlenb.) Körber BCN (Weber, 1993)

(*RINODINA* SP. Sheard ined.) BCN (Weber, 1993)

ROCCELLA BABINGTONII Mont. BCN (Hedrick, 1942; Hale, 1969; Hale, 1979; Rundel, et al., 1972; de la Rosa & Guzman, 1976; Rundel, 1978; Nash, et al., 1979; Weber, 1981; Weber, Lich. Exs. 80; Weber, 1993; Ryan) BCS (de la Rosa & Guzmán, 1976; Nash, 1992, Lich. Exs. 91; Nash, 1989, Lich. Exs. 139), OAX (Dodge, 1936), SIN (de la Rosa & Guzman, 1976), SON

ROCCELLA DECIPIENS Darbish. (I56) BCN (Ryan)

ROCCELLA FIMBRIATA Darbish. (I56) (Guzmán, 1988); BCN (Hale, 1969; Rundel, et al., 1972; González de la Rosa & Guzmán, 1976; Rundel, 1978; Sipman, 1993, Lich. Exs. 94; Nash, 1995, Lich. Exs. 186, 1987; Weber, Lich. Exs. 84, 86; Weber, 1993; Ryan) BCS (González de la Rosa & Guzmán, 1976; Nash, 1992, Lich. Exs. 140), NAY (González de la Rosa & Guzmán, 1976), SIN, SON

ROCCELLA FUCIFORMIS (L.) DC. BCN (Eckfeldt, 1893; I566)

Roccella leucophaea Tuck. BC (Eckfeldt, 1893) = *Dendrographa leucophaea*

+*Roccella mexicana*(!) Vainio BCN?: Puerto de Santa Cruz (Vainio, 1926)

x**ROCCELLA PORTENTOSA** Mig. BCN (Ryan); BCS (Nash, 1989, Lich. Exs. 92, as "aff.", and with authority given as "(Mont.) Darb.")

ROCCELLA TINCTORIA DC. (Krempelhuber, 1868; Rio de la Loza, et al., 1872; Darbshire, 1897; I56; Guzmán, 1988) BCN (Rio de la Loza, et al., 1872; González de la Rosa & Guzmán, 1976) BCS (González de la Rosa & Guzmán, 1976), JAL (González de la Rosa & Guzmán, 1976) = probably misidentifications -- f. minor Nyl. in Darbish. (I56)

(*Roccella* sp. nov.? Ryan ined.) BCN (Ryan)

ROCCELLINA CONFORMIS Tehler BC: Tehler (1991).

ROCCELLINA FRANCISCANA (Zahlbr. ex Herre) Follm. in Huneck & Follm.
BCN (Tehler, 1983; Nash, 1995, Lich. Exs. 188)

ROSELLINULA KALBII (Hafellner) Hafellner & R. W. Rogers* BCS (Kalb, et al., 1995), CHIH (Kalb, et al., 1995)

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SAGESTRIA OCTOMERA (Müll. Arg.) R. C. Harris Syn.: *Porina octomera*

SAGESTRIA RUBENTIOR (Stirton) R. C. Harris Syn.: *Porina rubentior*,
Phylloporina rubentior

Sarcogyne pruinosa (Sm.) Körber = *S. regularis*

SARCOGYNE REGULARIS Körber Syn.: *S. pruinosa*.

SARCOGRAPHA INTRICANS (Nyl.) Müll. Arg. (I56)

SARCOGRAPHA LABYRINTHICA (Ach.) Müll. Arg. (I56)

SARCOGRAPHA TRICOSA (Ach.) Müll. Arg. (I56)

SAREA RESINAE (Fr.) Kuntze+ Syn.: *Tromera resinae*

Schismatomma californicum (Tuck.) Zahlbr. = *Sigridia californica*

Schismatomma hypothallinum (Zahlbr.) Hasse BCN (Weber, 1993) =
Lecanographa hypothallina

SCHIZOPELTE CALIFORNICA Th. Fr. (Eckfeldt, 1893; I56) BCN (Rundel, 1978; Nash, 1995, Lich. Exs. 189; Ryan) Syn.: *Combea californica*

SCLEROPHYTON CALIFORNICUM (Tuck.) Hasse BCN (Weber, 1993; Egea & Torrente, 1995); BCS (Egea & Torrente, 1995)

SCLEROPHYTON CEREBRIFORME Egea & Torrente BCN (Egea & Torrente, 1995); BCS (Egea & Torrente, 1995)

SCLEROPHYTON CIRCUMSCRIPTUM (Taylor) Zahlbr. in Engler & Prantl BCN (Egea & Torrente, 1995)

SCLEROPHYTON ROSTRATUM Egea & Torrente BCS (Egea & Torrente, 1995)

SIGRIDIA CALIFORNICA (Tuck.) Tehler BCN (Nash 34042) Syn.: *Lecanactis californica*, *Schismatomma californica*

Siphula sp. BCN (Weber, Lich. Exs. 455) = *Leproloma?* sp.

Solenopsora candidans (Dickson) J. Steiner HID (Weber coll., COLO) = misidentification (of (*Lecanora hidalgensis*))

SOLORINA SACCATA (L.) Ach. (I56) -- var. +mexicana de Lesd. (I56) La Cima Acopilco (de Lesdain, 1933), Llano Chico (de Lesdain, 1933) D.F. (de Lesdain, 1929)

SOLORINA SIMENSIS Hochst. (I56; Krog & Swinscow, 1986) PUE: Pico de Orizaba (Vainio, 1926)

SPEERSCHNEIDERA EUPLOCA (Tuck.) Trevisan (Jorgensen, 1983) JAL: (Hafellner & Egan, 1981) Syn.: *Teloschistes euplocus*

+**SPHAERELLOTHECIUM SUBTILE** Triebel & Rambold* BCS (Triebel, et al., 1991)

Sphaerophorus coralloides Pers. (I56) BCN (Linder, 1934) = *S. globosus* (Santesson, 1984)

SPHAEROPHORUS FORMOSANUS (Zahlbr.) Asah. in Mituno Lagos de Mt. Bella, SE of Comitan (Ohlsson, 1973: chemotype II--sphaerophorin, stictic acid, constictic acid)

+*Sphaerophorus globiferum* var. *gracile* Müll. Arg. = *S. globosum* var. *gracilis*

SPHAEROPHORUS GLOBOSUS (Hudson) Vainio (Ohlsson, 1973: Chemotype III-- sphaerophorin and squamatic acid) BCN Syn.: *S. coralloides* = probably var. *gracilis* -- var. **GRACILIS** (Müll. Arg.) Zahlbr. (I56) Syn.: *S. globiferum* var. *gracile*

SPHINCTRINA TUBIFORMIS A. Massal.+ BCN (Ryan); BCS (Triebel, et al., 1991)

Sporopodium leucoxanthum (Sprengel) Vainio VC: Mirador (Vainio, 1926) = *Brigantiae leucoxantha*

+*Sporopodium miradorense* Vainio VC: Mirador (Vainio, 1926) = *Lopadium miradorense*

Squamaria alphoplaca (Ach.) Duby Contadera (de Lesdain, 1929) D.F. (de Lesdain, 1929) = *Lobothallia alphoplaca*

Squamaria crassa (Hudson) D.F. (de Lesdain, 1929, p. 246, under *Didymella*) = *S. cartilaginea*

Squamaria radiosua (Hoffm.) Poetsch in Poetsch & Schiederm. D.F. (de Lesdain, 1929) = *Lobothallia radiosua*, but probably misidentifications

Squamaria saxicola (Poll.) Nyl. Mts. de Guadalupe (de Lesdain, 1929), Tenayuca (de Lesdain, 1929), D.F. (de Lesdain, 1929), GUER (de Lesdain, 1929), MICHÓ (de Lesdain, 1922), PUE (de Lesdain, 1914) = *Lecanora muralis* -- var. *flavida* de Lesd. MICHÓ (de Lesdain, 1914) = *Lecanora nashii* Ryan s. l. (v. "flavidopruinosa" Ryan ined.? -- +var. *mexicana* de Lesd. Tenayuca (de Lesdain, 1929) = *Lecanora cf. bipruinosa?* (type apparently lost)

x(*SQUAMARINA BARANCAE* Ryan & Nash ined.) Baranca, San Antonio

SQUAMARINA CF. CARTILAGINEA (With.) Laundon Ladera de Santa Ursula (Fröderström & Hulten, S). Syn.: *Squamaria crassa*

SQUAMARINA cf. **LENTIGERA** (G. Weber) Poelt ZAC (Nash) ((*Squamaria mexicana*) Ryan in herb.; without usnic acid; may be a new species, possibly belonging in *Solenopsora*) ZAC

STAUROTHELE AREOLATA (Ach.) Lettau HID: Thomson (1991).

+*Staurothele brouardi* de Lesd. (de Lesdain, 1910, p. 239; I56) PUE (de Lesdain, 1914) TLAX (de Lesdain, 1914); types missing (Thomson, 1991)

Staurothele catalepta auct. = mostly *S. monicae* for N. American records (Thomson, 1991) -- var. *cinerea* (!) de Lesd. -- Agua Zarea: Type missing (Thomson, 1991).

Staurothele cinereoviridula de Lesd. (numerous specimens in ASU annotated by Thomson) = ? (the name was not mentioned by Thomson, 1991!)

Staurothele clopima (Wahlenb. ex Ach.) Th. Fr. MICHÓ (de Lesdain, 1922), PUE (de Lesdain, 1914) = *S. drummondii*

Staurothele clopima sensu Th. Fr. BC = ?

STAUROTHELE DRUMMONDII (Tuck.) Tuck. Syn.: *S. clopima*

STAUROTHELE EFFIGURATA J. W. Thomson SON Thomson (1991);

+*Staurothele moreliensis* de Lesd. (I56) MICH (de Lesdain, 1914), type missing (Thomson, 1994).

+**STAUROTHELE POLYGONIA** de Lesd. (I56) MICH: (de Lesdain, 1914; Thomson, 1991); SON (Nash 12033--cited by Thomson?).

Stereocaulon albicans Th. Fr. (I56) = *Leprocaulon albicans*.

Stereocaulon alpestre (Flotow) Hue = *S. tomentosum* var. *alpestre* (Lamb, 1977)

STEREOCAULON ALPINUM Laur. in Funck (I56) SLP (Nylander, 1872)

+**STEREOCAULON CLAVICEPS** Th. Fr. (I56) OAX?: Cumbre de Sempoaltepec (Vainio, 1926; Lamb, 1977); MEX (Lamb, 1977), PUE (Lamb, 1977), VC (Lamb, 1977)

Stereocaulon denudatum Flörke (I56) = *S. vesuvianum*

+*Stereocaulon farinosum* (Th. Fr.) Vainio (I56) Tiuzutlan (Vainio, 1926), PUE: Pico de Orizaba (Vainio, 1926), = *S. meyeri* var. *farinosum*

STEREOCAULON GLAREOSUM (Savicz) H. Magn. Localities not cited (Lamb, 1977)

STEREOCAULON MEYERI B. Stein Localities not cited (Lamb, 1977) -- var. *FARINOSUM* (Th. Fr.) Lamb PUE/VC: Pico de Orizaba (Lamb, 1977) Syn.: *S. farinosum*, s. *ramulosum* var. *farinosum*

STEREOCAULON MICROCARPUM Müll. Arg. Localities not given (Lamb, 1977-- chemotype deficient in bourgeanic and fumarprotocetraric acids)

Stereocaulon mixtum Nyl. (I56) = *S. ramulosum* (Lamb, 1977) -- var. *sorediatum* Nyl. (I56) = *S. strictum*

+**STEREOCAULON MYRIOCARPUM** Th. Fr. (I56) -- var. *orizabae* Th. Fr. Syn.: *S. orizabae* -- var. *typicum* Th. Fr. La Hoya (Vainio, 1926), OAX (Vainio,

1926; Dodge, 1929, p. 128; Lamb, 1977), OAX?: Cumbre de Sempoaltepec (Vainio, 1926)

+*Stereocaulon orizabae* (Th. Fr.) Vainio (I56) PUE: Pico de Orizaba (Vainio, 1926), OAX?: Cumbre de Sempoaltepec (Vainio, 1926) = *S. myriocarpum* (Lamb, 1977)

+*STEREOCAULON PACHYCEPHALUM* Vainio (I56) OAX (Vainio, 1926; Lamb, 1977)

STEREOCAULON PASCHALE (L.) Hoffm. (I56) D.F. (de Lesdain, 1929)

+*Stereocaulon peladense* Vainio (I56) Cumbre de Istepec (Vainio, 1926), OAX (Vainio, 1926) = *S. strictum* (Lamb, 1977)

STEREOCAULON POMIFERUM Duvign. Localities not given (Lamb, 1977-- typical chemotype)

+*Stereocaulon proximum* Nyl. (I56) = *S. ramulosum* (Lamb, 1977)

Stereocaulon quisquilare (Leers) Hoffm. = *Leprocaulon microscopicum*

STEREOCAULON RAMULOSUM Rausch (I56) No locality given (Lamb, 1977) Syn.: *S. mixtum* var. *mixtum*; *S. proximum* -- f. *vinineum* (Th. Fr.) Nyl. (I56) Syn.: *S. vinimeum* -- var. *farinosum* Th. Fr. = *S. meyeri* f. *farinosum*

STEREOCAULON STRICTUM Th. Fr. OAX (and other states?) (Lamb, 1977)
Syn.: *S. mixtum* var. *sorediatum*, *S. peladense*

STEREOCAULON TOMENTOSUM Fr. -- var. *ALPESTRE* Flotow Syn.: *S. alpestre*

STEREOCAULON VESUVIANUM Pers. Syn.: *S. denudatum* -- var. *NODULOSUM* (Wallr.) Lamb Localities not given (Lamb, 1977) -- var. *KILIMANDSCHAROENSE* B. Stein Localities not given (Lamb, 1977)

Stereocaulon vimineum Th. Fr. (I56) Tiuzatlán (Vainio, 1926) = *S. ramulosum* (Lamb, 1977)

STICTA AMBAVILLARIA (Bory) Ach. (I56) Lacoba (Vainio, 1926)

Sticta aurata (Ach.) Nyl. El Desierto (de Lesdain, 1929); PUE/VC: Near Orizaba (Nylander, 1858), JAL (Herre, 1944b), MICHO (de Lesdain, 1914, 1922), PUE

(de Lesdain, 1922), SLP (Nylander, 1872) VC (Herre, 1944b) =
Pseudocypiphellaria aurata

Sticta aurora de Not. (I56) = *Pseudocypiphellaria clathrata*

STICTA BEAUVOISII Delise At least some records of *S. weigelii* may belong here. CHIH (Nash 36308-a); HID (Nash 35844)

Sticta boliviana(!) Nyl. (I56) OAX?: Cerro de Sempoaltepec (Vainio, 1926)

Sticta clathrata de Not. (I56) = *Pseudocypiphellaria clathrata*

+*Sticta cometiella*(!) Vainio (I56) VC: Mirador (Vainio, 1926)

Sticta cyathicarpa(!) Delise (I56) PUE/VC: Near Orizaba (Nylander, 1858)

Sticta damaecornis(!) (Sw.) Ach. (I56) PUE/VC: Near Orizaba (Nylander, 1858)
- - f. *rufa* Del. VC (Nylander, 1872)

STICTA FULIGINOSA (Hoffm.) Ach. (Herre, 1920; I56) Desierto (de Lesdain, 1929); D.F. (de Lesdain, 1929; Gibert, 1935; González de la Rosa & Guzmán, 1976)), JAL (Dávalos & Alvarez, 1987); MEX (de Lesdain, 1929; González de la Rosa & Guzmán, 1976), MICHO (González de la Rosa & Guzmán, 1976), MOR (González de la Rosa & Guzmán, 1976), N.L. (Vargas Lpez, 1973), OAX (Welden, et al., 1979); PUE (Vainio, 1926; González de la Rosa & Guzmán, 1976), PUE/VC: Near Orizaba (Nylander, 1858), VC (González de la Rosa & Guzmán, 1976) -- f. *wildenowii*(!) Nyl. (I56)

Sticta gaudichaldia(!) Delise (I56) -- f. +*nudior*(!) Vainio (I56) PUE: Pico de Orizaba (Vainio, 1926)

+*Sticta glomuligera*(!) Nyl. (I56) VC (Nylander, 1872)

Sticta gyalocarpa(!) -- var. *hirta*(!) Nyl. (I56)

Sticta humboldtii(!) Hook. in Kunth (I56)

Sticta laciniata Ach. (I56) Convalle Cordovensi (Nylander, 1872), VC (Nylander, 1872) =? misidentification -- var. *laeviuscula* Nyl. (I56) PUE/VC: Near Orizaba (Nylander, 1858)

Sticta lenormandii(!) (Nyl.) Zahlbr. (I56)

Sticta linearloba(!) (Mont.) Nyl. OAX (Vainio, 1926)

Sticta macrophylla(!) Bory in Delise (I56)

+*Sticta orizabana*(!) Nyl. (I56) OAX?: Cerro de Sempoaltepec (Vainio, 1926), OAX (Vainio, 1926), PUE/VC: near Orizaba; VC: Mirador (Vaino, 1926)

Sticta querzicans Ach. (Hernandez, et al., 1951) PUE/VC: Near Orizaba (Nylander, 1858) = *Lobaria querzicans*

Sticta rufa(!) Willd. in Del. (I56)

Sticta sinuosa(!) Pers. in Gaud. (I56) MICHO (de Lesdain, 1914, 1922) -- +f. *cephalodiophora*(!) de Lesd. (I56) MICHO (de Lesdain, 1914)

STICTA SYLVATICA (Huds.) Ach. (I56) CHIH (Nash 37363); HID (Nash 37999); MEX (Nash 38213)

Sticta tomentosa(!) (Sw.) Ach. (Herre, 1920; I56) PUE/VC: Near Orizaba (Nylander, 1858), MEX, JAL (Herre, 1944b), MICHO (de Lesdain, 1922), PUE: Pico de Orizaba (Vainio, 1926), TAM

Sticta variabilis(!) (Bory) Ach. (I56) VC (Herre, 1944b)

STICTA WEIGELII (Ach.) Vainio (Herre, 1920; I56) (Guzmán, 1988); Desierto, (de Lesdain, 1929); Cabrestros, Huatimalco, and Totutla (Vainio, 1926) BCN, CHIH, COAH, D.F. (de Lesdain, 1922, 1929; Gibert, 1935; González de la Rosa & Guzmán, 1976)), HID (González de la Rosa & Guzmán, 1976), JAL (Herre, 1944b; González de la Rosa & Guzmán, 1976), MEX (de Lesdain, 1929), MICHO (de Lesdain, 1914, 1922), MOR (González de la Rosa & Guzmán, 1976), N.L. (Vargas Lpez, 1973), OAX (Vainio, 1926; González de la Rosa & Guzmán, 1976), PUE (de Lesdain, 1914, 1922; Vainio, 1926), SLP, SON, TAM, VC (Vainio, 1926; Herre, 1944b), "NOROSTE DE MEXICO" (Hale, 1969). Probably at least partly = misidentifications (at least partly of *S. beauvosii*?) -- var. *ciliata*(!) (Müll. Arg.) Zahlbr. (I56)

Stictina fuliginosa (Dickson) Nyl. PUE (de Lesdain, 1914) = *Sticta fuliginosa* -- var. *wildenowii* (Del.) Nyl. PUE (de Lesdain, 1914)

Stictina lenormandii (V. de B.) Nyl. MICHO (de Lesdain, 1914) =

Stictina querzicans Michaux Valle Cordovensi (Nylander, 1872), near Desierto Viejo (Nylander, 1872), SLP (Nylander, 1872) = *Lobaria querzicans*

Stictina sylvatica (Hudson) Nyl. Jajalpa (de Lesdain, 1933), PUE (de Lesdain, 1914) = *Sticta sylvatica*

Stictina tomentosa (Sm.) Nyl. Desierto Viejo (Nylander, 1872) = *Sticta tomentosa*

STIGMIDIUM ATRYNEAE (Arnold) Hafellner* PUE (Triebel, et al., 1991); SON (Triebel, et al., 1991) Syn.: *Pharcidia squamariae*

STIGMIDIUM FUSCATAE (Arnold) R. Sant. SON (Triebel, 1991).

Stigmidium schaereri(!) (Massal) Trevisan* Syn.: *Pharcidia schaereri*, *Pharcidia epicymatica* = misidentifications for N. America (at least north of Mexico)

STRANGOSPORA DEPLANATA (Almq.) Clauz. & Roux Syn.: *Biatorella deplanata*

+*Strigula actinoplaca* Nyl. (I56) = *Echinoplaca actinoplaca*

STRIGULA ANTILLARUM (Fée) Müll. Arg. Syn.: *S. elegans* v. *antillarum*

Strigula complanata (Fée) Mont. (I56) VC (Herre, 1944b); YUC (Hedrick, 1935) = *S. orbicularis* (Farkas & Sipman, 1993)

Strigula elegans (Fée) Müll. Arg. (I56) UC (Hedrick, 1935) = *S. smaragdula* (Farkas & Sipman, 1993) -- var. *antillarum* (Fée) R. Sant. in Thorold (I56) = *S. antillarum* -- var. *genuina* f. *hirtella* Müll. Arg. (I56) Q.R. (Hedrick, 1935) = non-lichenized *Cephaleuros algae* (Santesson, 1952)

STRIGULA ORBICULARIS Fr. Syn.: *S. complanata*

STRIGULA PHYLLOGENA (Müll. Arg.) R. C. Harris Syn.: *Phylloporina phyllogena*, *Porina phyllogena*, *Phylloprina phyllogena*

STRIGULA SMARAGDULA Fr. Syn.: *S. elegans*

Synalissa texana Tuck. SON (Herre, 1944a; I56) = *Peccania texana* (Tuck.) Wetm.

+*Synarthonia stigmatidialis*(!) Müll. Arg. (I56) SLP (Müller, 1895b) =? *Arthonia stigmatidialis*

Synechoblastus nigrescens (Hudson) Trev. YUC (Hedrick, 1935) = *Collema nigrescens*

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TAPELLARIA PUIGGARII (Müll. Arg.) R. Sant. (I56)

+**TELOSCHISTES CALIFORNICUS** Sipman (Riefner & Bowler, in press) BCN (Sipman, 1993); BCS (Sipman, 1993, Lich. Exs. 98; Riefner & Bowler, in press; Nash, 1995, Lich. Exs. 192) Syn.: *T. villosus* auct. Amer.

TELOSCHISTES CHRYSOPHTHALMUS (L.) Th. Fr. (Hillmann, 1930; Hernandez, et al., 1951; I56; Hale, 1961; Nash, et al., 1979; BSMM 3: 17, 1969; Guzmán, 1988) BCN (Nash 9073, 34289; Ryan); BCS (Gonzáles de la Rosa & Guzmán, 1976; Nash, 1992, Lich. Exs. 144), HID (Gonzáles de la Rosa & Guzmán, 1976), MEX (Gonzáles de la Rosa & Guzmán, 1976), PUE (de Lesdain, 1914), QUER (Gonzáles de la Rosa & Guzmán, 1976), SLP (Gonzáles de la Rosa & Guzmán, 1976), SIN, SON (Herre, 1944a; Nash), ZAC

Teloschistes costatus(!) ((Steiner) ?--if so = *T. perrugosus*)-- f. +*macrosporus*(!) Hillm. (Hillman, 1930; I56)

Teloschistes euplocus (Tuck.) Zahlbr. = *Speerschneidera euploca*

TELOSCHISTES EXILIS (Michx.) Vainio (Hale, 1961). (Guzmán, 1988) BCN (Rundel, et al., 1972; Nash, 1992, Lich. Exs. 193), BCS, CHIA (Gonzáles de la Rosa & Guzmán, 1976), COAH (Gonzáles de la Rosa & Guzmán, 1976), D.F. (Gonzáles de la Rosa & Guzmán, 1976), HID (Gonzáles de la Rosa & Guzmán, 1976), JAL (Gonzáles de la Rosa & Guzmán, 1976), MEX (Gonzáles de la Rosa & Guzmán, 1976), MOR (Gonzáles de la Rosa & Guzmán, 1976), N.L. (Gonzáles de la Rosa & Guzmán, 1976), OAX (Gonzáles de la Rosa & Guzmán, 1976), PUE (Vainio, 1926), QUER (Gonzáles de la Rosa & Guzmán, 1976), SLP (Gonzáles de la Rosa & Guzmán, 1976), SIN, VC (Gonzáles de la Rosa & Guzmán, 1976), "NORTE DE MEXICO" (Hale, 1969) -- var. *dealbatus*(!) Hillm. = *T. exilis*

TELOSCHISTES FLAVICANS (Swartz) Norman (Herre, 1920; Hillmann, 1930; Hernandez, et al., 1951; I56; Hale, 1961; Guzmán, 1988) BCN (Linder, 1934; Ryan), BCS, CHIA (Gonzáles de la Rosa & Guzmán, 1976), COAH, JAL (Gonzáles de la Rosa & Guzmán, 1976), HID (Nash 35845); MEX (Gonzáles de la Rosa & Guzmán, 1976), NAY (Herre, 1944b), N.L. (Vargas Lpez, 1973; Gonzáles de la Rosa & Guzmán, 1976), OAX (Gonzáles de la Rosa & Guzmán,

1976), PUE (de Lesdain, 1914, 1922), TLAX, VC (Herre, 1944b; González de la Rosa & Guzmán, 1976), "NORTE DE MEXICO" (Hale, 1969) Syn.??: Physcia flavicans -- f. cinerascens(!) (Stein.) Müll. Arg. PUE = T. flavicans -- f. glaber(!) ("glabra") Vainio PUE (Vainio, 1926), VC (Vainio, 1926) = T. flavicans

TELOSCHISTES HYPOGLAUCUS (Nyl.) Zahlbr. PUE (de Lesdain, 1914)

TELOSCHISTES NODULIFERA (Nyl.) Hillm. BC (Nash) = misidentification of Caloplaca coralloides?

Teloschistes polycarpus Ehrh. BC (Eckfeldt, 1893) = Xanthoria polycarpa

Teloschistes villosus (Ach.) Norman (Weber, 1981) BCN (Hale, 1961; de la Rosa & Guzman, 1976) = misidentification of T. californicus

TEPHROMELA ATRA (Huds.) Hafellner BCN (Weber, 1993--UV+ medulla only; needs checking against T. nashii?) CHIH (Nash), SON (Ryan) Syn.: Lecanora atra -- var. dolichospora(!) () ined.? Syn.: L. atra var. dolichospora -- var. americana(!) () ined.? Syn.: L. atra var. americana

TEPHROMELA NASHII Kalb BCN (Kalb, 1991 (Lich. Neotr. Fasc. 12: 16, Exs. 523); Ryan)

TEPHROMELA PROTOMOTRAE (SPELLING?) ("yellow one") CHIH (Nash 37876); SON (Nash 37943)

TEXOSPORIUM SANCTIJACOBI (Tuck.) Nadv. Syn.: Cyphelium sanctijacobi, Acolium sanctijacobi Tuck.

Thalloedaema triste (Th. Fr.) Vainio -- f. subtabacina (Nyl.) Vainio MEX (de Lesdain, 1933) = Toninia sp.

Thalloedenia caeruleonigricans (Lightf.) Th. Fr. MICHÓ (de Lesdain, 1914), PUE (de Lesdain, 1914) = Toninia sedifolia

XTHAMNOLIA SUBULIFORMIS (Ehrh.) Culb. PUE (Nash 35661)

THELENELLA WEBERI Mayrh. BCN (Mayrhofer, 1987; Weber, 1993)

THELIDIUM PYRENOPHORUM (Ach.) Mudd (Davis, 1936; I56)

THELOMMA MAMMOSUM (Hepp in Hartung) Massal. BCN (Tibell, 1976; Weber, 1981; Weber, Lich. Exs. 75 pr. p.; Weber, 1993), BCS (Nash), SIN (Nash) Syn.: *Cypheliopsis bolanderi*

THELOMMA SANTESSONII Tibell BCN (Tibell, 1976; Weber, 1981; Weber, Lich. Exs. 75 pr. p.; Weber, 1993; Ryan)

+*Thelotrema amabilis*(!) de Lesd. (I56) D.F. (de Lesdain, 1929)

+*Thelotrema galactinum* Vainio Malvapam (Vainio, 1926)

THELOTREMA SANTENSE Tuck. Syn.: *Leptotrema santense*

Thelotrema wightii (Taylor) Nyl. (Krempelhuber, 1876) = *Myriotrema wightii*

THROMBIUM EPIGAEUM (Pers.) Schaeerer BCN (Weber, 1993)

Thyrea nigritella Lettau = *Lichenella nigritella*

THYREA POLYGLOSSA (Nyl.) Zahlbr. (Büdel & Nash, 1993) HID (Henssen, 1986)

THYREA PULVINATA (Schaeerer) Massal. SON (Herre, 1944a; I56)

Tichothecium pygmaeum Körber PUE (de Lesdain, 1914) = *Müllerella pygmaea*

Tomasellia eschweileri (Müll. Arg.) R. C. Harris BCN (Aptroot, in prep.) = *Mycoporum eschweilleri* according to Harris (1995), but Aptroot includes *T. lactea* (= *Mycoporum lactea* according to Harris)

TONINIA AROMATICA (Turner ex Sm.) Massal. (I56) Guadalupe (de Lesdain, 1929); DF (Timdal, 1991); OAX (Timdal, 1991); VC (Timdal, 1991).

TONINIA BULLATA (Meyen & Flotow) Zahlbr. BCN (Nash 38423); TLAX (Timdal, 1991).

Toninia caeruleonigricans (Lightf.) Th. Fr. (I56) BC = *T. sedifolia*

Toninia granulosa (Michaux) Vainio -- var. +*orizabana* Vainio (I56) PUE: Pico de Orizaba (Vainio, 1926). The type of the species was not seen by Timdal, and the variety was not mentioned by Timdal (1991). The variety is corticolous, and therefore is probably not a Toninia.

TONINIA HOSSEUSIANA Gyelnik OAX (Timdal, 1991).

TONINIA LUTOSA (Ach.) Timdal PUE, COAH (Timdal, 1991). Syn. *T. violacea*.

+*Toninia mexicana* de Lesd. (I56) PUE (de Lesdain, 1914) -- var. +*incolorata*(!) de Lesd. (I56) PUE (de Lesdain, 1914). Types not seen by Timdal.

TONINIA RUGINOSA (Tuck.) Herre -- ssp. **PACIFICA** Timdal BC (Timdal, 1991) -- ssp. **RUGINOSA** BC (Timdal, 1991).

TONINIA SEDIFOLIA (Scop.) Timdal BCN (Timdal, 1991); COAH (Timdal, 1991); PUE (Timdal, 1991); VC (Timdal, 1991). Syn. *T. caeruleonigricans*, *T. sedifolia*, *Thalloedenia caeruleonigricans*

TONINIA SQUALIDA (Schleicher ex Ach.) Massal. (I56) CHIH (Timdal, 1991).

+**TONINIA SUBMEXICANA** de Lesd. (I56) BCN (Timdal, 1991). BCS (Timdal, 1991). MICO (de Lesdain, 1914; Timdal, 1991). PUE (Timdal, 1991). SON (Timdal, 1991), SIN (Timdal, 1991).

Toninia subtabacina (Nyl.) Oliv. (I56) = *T. sedifolia*

TONINIA TALPARUM Timdal BCN (Timdal, 1991).

TONINIA TRISTIS (Th. Fr.) Th. Fr. BCN (Weber, 1993) -- ssp. **COAHUILAE** Timdal COAH (Timdal, 1991).

+*Toninia violacea* de Lesd. (I56) PUE (de Lesdain, 1914) = *T. lutosa*

TOPELIA BRITTONII (Riddle) Mayrh. (Mayrhofer, 1987)

TRAPELIA COARCTATA (Sm.) M. Choisy in Werner BCN (Weber, 1993)
Syn.: *Lecanora coarctata* -- var. *elachista*(!) (Ach.) ined.? Syn.: *Lecanora coarctata* var. *elachista* Check against *T. involuta*

TRAPELIOPSIS GRANULOSA (Hoffm) Lumbsch BCN (Weber, 1993) Syn.: *Lecidea granulosa*

x**TRAPELIOPSIS WALLROTHII** (Flörke) Hertel & Gotth. Schneider BCN (Nash 9030)

TRICHARIA CARNEA (Müll. Arg.) R. Sant. (I56)

+*Tricharia macrospora* Hedrick (I56) Q.R. (Hedrick, 1935) (foliicolous; check Santesson, 1952; not mentioned by Farkas & Sipman, 1993!)

TRICHORAMALINA CRINITA (Tuck.) Rundel & Bowler BCN (Rundel, et al., 1972; Rundel, 1978), BCS (Nash) Syn.: *Ramalina crinita*

TRICHOHELMIUM NITIDULA (Müll. Arg.) R. C. Harris Syn.: *Porina nitidula*, *Pseudsagedia nitidula*

TRICHOHELMIUM THAXTERI (R. Sant.) R. C. Harris Syn.: *Porina thaxteri*, *Pseudosagedia thaxteri*

Tromera resinae (Fr.) Körber MICHQ (de Lesdain, 1914, 1922) = *Sarea resinae*

TRYPETHELIUM AENEUM (Eschw.) Zahlbr. (I56) ISL. DE REV. (Hedrick, 1942)

Trypethelium cruentum Mont. (Krempelhuber, 1876) = *Pyrenula cruenta*

Trypethelium kunzei(!) Fée (I56) YUC (Hedrick, 1935)

TRYPETHELIUM MASTOIDEUM (Ach.) Ach. (I56)

+*Trypethelium pringlei*(!) Eckf. (I56)

+*Trypethelium scitulens*(!) Eckf. (I56)

TRYPETHELIUM SCORIA Fée (Krempelhuber, 1876; I56) PUE/VC: Near Orizaba (Nylander, 1858)

Trypethelium sprengelii(!) Ach. (Krempelhuber, 1856; I56)

+*Trypethelium uberinoides*(!) Nyl. (I56) PUE/VC: Near Orizaba (Nylander, 1858)

TUCKERMANNOPSIS CHLOROPHYLLA (Willd. in Humb.) Hale Syn.: *Cetraria scutata* auct.

TUCKERMANNOPSIS CILIARIS (Ach.) Gyelnik Syn.: *Nephromopsis ciliaris*, *Cetraria ciliaris*

Tuckermannopsis coralligera(!) (W. Weber) W. Weber CHIH (Nash) Probably does not belong in *Tuckermannopsis* (Thell, 1996)

Tuckermannopsis fendleri(!) (Nyl.) Hale Syn.: *Cetraria fendleri* Probably does not belong in *Tuckermannopsis* (Thell, 1996)

Tuckermannopsis merrillii (Du Rietz) Hale BC = *Kaernefeltia merrillii* (Thell, 1996)

Tuckermannopsis sepincola(!) (Ehrh.) Hale Syn.: *Cetraria scutata* (Wulff) Poetsch, non auct. Probably does not belong in *Tuckermannopsis* (Thell, 1996)

x(*Tuckermannopsis weberi* (Essl.) ined.) CHIH Nash 36335, etc. Probably does not belong in *Tuckermannopsis* (Thell, 1996) Syn.: *Cetraria weberi*

+*Tylophoron eckfeldtii*(!) Müll. Arg. (I56) JAL (Müller, 1894)

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UMBILICARIA AMERICANA Poelt & Nash BCN (Poelt & Nash, 1993); PUE (Nash 35663); VC (Nash 35733)

UMBILICARIA ARCTICA (Ach.) Nyl. (Tuckerman, 1882; Hue, 1892; Vainio, 1926; I56) MEX (Nylander, 1872); VC (Llano, 1950) Syn.: *Gyrophora arctica*

Umbilicaria atropruinosa Schaeerer -- var. *reticulata* (Schaeerer) Duf. PUE/VC: Near Orizaba (Nylander, 1858) = *U. decussata*

+*Umbilicaria bigleri* Frey (I56) VC (Llano, 1950) = *U. virginis* v. *orizabana*

UMBILICARIA CYLINDRICA (L.) Delise ex Duby (Liebmann, 1844; de Lesdain, 1933; Frey, 1949; I56)

UMBILICARIA DECUSSATA (Vill.) Zahlbr. (Frey, 1949; I56) JAL (González de la Rosa & Guzmán, 1976), MEX (González de la Rosa & Guzmán, 1976) Syn.: *Omphalodiscus decussatus*, *U. reticulata*

Umbilicaria fuliginosa Pers. (Davis, 1936; I56) = *Lasallia pustulata* (Llano, 1950)

UMBILICARIA GRISEA (Sw. in Westr.) Ach. (Williams, 1895, with ?; I56)

UMBILICARIA HIRSUTA (Swartz ex Westr.) Hoffm. (Davis, 1936; Frey, 1949; I56) Syn.: *Gyrophora hirsuta* -- var. *papyria*(!) (Ach.) Nyl. (Hue, 1892; Williams, 1895; I56) MEX (Nylander, 1872)

UMBILICARIA HYPERBOREA (Ach.) Hoffm. (Nylander, 1858; Hue, 1892; Williams, 1895; Davis, 1936; I56) MEX Flock FL-610; PUE (Nash 35664); VC: Summit of Pico Orizaba (Nylander, 1858, Llano, 1950) Syn.: *U. intermedia*

Umbilicaria intermedia Frey in Zahlbr. (Frey, 1949; I56) = *U. hyperborea* (Llano, 1950)

+*Umbilicaria laceratula* Vainio (I56) PUE: Pico de Orizaba (Vainio, 1926) = *Lasallia papulosa* var. *laceratula*

Umbilicaria papulosa (Ach.) Nyl. (Hue, 1892; I56) (Brizuela & Guzmán, 1971; Guzmán, 1988) = *Lasallia papulosa*. -- var. *laceratula* (Vainio) ined. (I56) = *Lasallia papulosa* v. *laceratula* -- f. *laceratula* (Vainio) Degel. = *L. papulosa* v. *laceratula*

Umbilicaria pensylvanica Hoffm. (I56) = *Lasallia pensylvanica*

UMBILICARIA PHAEA Tuck. (I56) BCN (Llano, 1950; Nash 20234, 14664, etc.)

UMBILICARIA PROBOSCIDEA (L.) Schrader (Liebmann, 1844; Tuckerman, 1882; Hue, 1892; I56) MEX (Nylander, 1872). Syn.: *Gyrophora proboscidea*.

Umbilicaria pustulata (L.) Hoffm. (Liebmann, 1844; Hue, 1892; de Lesdain, 1922; de Lesdain, 1929; Davis, 1936; I56) MEX (de Lesdain, 1929), MICHO (de Lesdain, 1914) SLP (Nylander, 1872) -- f. *minor* Nyl. in Crombie (I56) MICHO (de Lesdain, 1914) = *Lasallia pustulata*

Umbilicaria reticulata (Schaerer) Nyl. (Nylander, 1858; Hue, 1892; Williams, 1895; I56) = *U. decussata* (Nimis, 1993)

Umbilicaria rugifera Nyl. (de Lesdain, 1933; I56) = *Umbilicaria virginis*

x**UMBILICARIA TRABECULATA** Frey & Poelt BCN Nash 14662 (det. Poelt)

UMBILICARIA VELLEA (L.) Ach. (Liebmann, 1844; Williams, 1895; Vainio, 1926; Frey, 1949; I56) JAL (González de la Rosa & Guzmán, 1976); VC (Llano, 1950; Coutiño & Mojica, 1985) = probably misidentifications of *U. americana*

UMBILICARIA VIRGINIS Schaeerer PUE (Nash 35665) Syn.: Gyrophora rugifera, *Omphalodiscus virginis* -- var. *orizabanus*(!) (Vainio) ined. (I56) Syn.: Gyrophora proboscidea var. *orizabana* Vainio, U. bigleri, *Omphalodiscus virginis* var. *orizababa*

Urceolaria actinostoma (Ach.) Schaeerer MICHО (de Lesdain, 1914) =
Diploschistes actinostomus

Urceolaria gypsacea Ach. PUE (de Lesdain, 1914) = **Diploschistes gypsaceus**

Urceolaria scruposa Ach. PUE/VC: Near Orizaba (Nylander, 1858) MICHО (de Lesdain, 1914), PUE (de Lesdain, 1914, 1922) = **Diploschistes scruposus**

USNEA ACULEATA Mot. in de Lesd. (I56) DF (de Lesdain, 1933)

USNEA AFFINIS Mot. in de Lesd. (I56) DF (de Lesdain, 1933)

Usnea andina(!) Mot. (I56) (Motyka, 1936-1938) MICHО (de Lesdain, 1933)

USNEA ANGULATA Ach. (I56); (Nylander, 1858; Tuckerman, 1882; Hue, 1892; Williams, 1895; Howe, 1910; Davis, 1936; de Lesdain, 1933; Weber, 1981; Guzmán, 1988) CHIA (Gonzáles de la Rosa & Guzmán, 1976), JAL (Gonzáles de la Rosa & Guzmán, 1976), MICHО (Gonzáles de la Rosa & Guzmán, 1976), OAX (Gonzáles de la Rosa & Guzmán, 1976), PUE (Motyka, 1936-1938) PUE/VC: near Orizaba (Nylander, 1858) -- f. *gonioides*(!) (Stirton) Hue (I56) (Zahlbruckner, 1912); MICHО (de Lesdain, 1922)

Usnea arbusculiformis(!) Mot. (I56) (Motyka, 1936) E. Mexico: La Venta (de Lesdain, 1933)

USNEA ARIZONICA Mot. (I56; Motyka, 1938, p. 248; Culberson, et al., 1983) BC ("cf."); D.F. (de Lesdain, 1933); HID (Coutiño & Mojica, 1982); VC (Coutiño & Mojica, 1985)

USNEA BAILEYI (Stirton) Zahlbr. Syn.: U. *implicata*

Usnea barbata (L.) Wigg. (I56; Davis, 1936; Guzmán, 1988) D.F. (Sanchez, 1958), HID (Gonzáles de la Rosa & Guzmán, 1976), JAL (Gonzáles de la Rosa & Guzmán, 1976) MEX (Gonzáles de la Rosa & Guzmán, 1976) = misidentifications --f. *ceratina* Ach. *Valle Cordovensis* (Nylander, 1872), Desierto Viejo (Nylander, 1872), San Nicolas (Nylander, 1872), D.F. (Nylander, 1872), MEX (Nylander, 1872), PUE/VC: Near Orizaba (Nylander, 1858), SLP

(Nylander, 1872) TAB?: Jalapa (Nylander, 1872), VC (Nylander, 1872) = U. ceratina -- var. florida (L.) Fr. (Eckfeldt, 1893) PUE/VC: Near Orizaba (Nylander, 1858) = U. florida -- var. florida f. strigosa (Krempelh., 1868) = U. strigosa

USNEA CAVERNOSA Tuck. (I56; Williams, 1895; Motyka 1936-1938; Weber, 1981; Guzmán, 1988) Jalapasco (Howe, 1910); BCN (de la Rosa & Guzmán, 1976). CHIH (Nash 36435); MEX (Motyka, 1936-1938, (González de la Rosa & Guzmán, 1976), N.L. (González de la Rosa & Guzmán, 1976), SON? (González de la Rosa & Guzmán, 1976)

USNEA CERATINA Ach. (Krempelhuber, 1868; Nylander, 1858; Nylander, 1872; Williams, 1895; Hue, 1892; Davis, 1936; Motyka, 1936-1938; I56) HID (Nash 35878 det. Marusa); JAL (Herre, 1944b), MICHO (de Lesdain, 1914), PUE (de Lesdain, 1933) Syn.: U. barbata f. ceratina -- subsp. incurviscens(!) (Arn.) Mot. (I56; de Lesdain, 1933; Motyka, 1936-1938) Syn.: U. ceratina f. incurviscens Arnold, U. incurviscens

USNEA CILIIFERA Mot. (I56; Motyka, 1937, p. 543) E. Mexico: Jajalpa (de Lesdain, 1933), Rio Frio (de Lesdain, 1933), D.F. (de Lesdain, 1933), MEX (de Lesdain, 1933) MOR (de Lesdain, 1933), PUE (de Lesdain, 1933)

Usnea cinchonarum (Fée) Vainio -- f. subelegans Vainio PUE (Vainio, 1926) = U. subelegans

+Usnea cirrosa(!) Mot. (I56; Motyka, 1937, p. 526); VC (Coutiño & Mojica, 1985)

Usnea comosa auct. (I56; de Lesdain, 1914); GUER (Castorena, 1981); MEX (de Lesdain, 1933; Motyka, 1936-1938; Guzmán & Gonzalez de la Rosa, 1976), MICHO (de Lesdain, 1933) = U. subfloridana -- ssp. eucomosa Mot. VC (Coutiño & Mojica, 1985) = U. subfloridana -- +f. sorocladia Vainio (I56); VC: Mirador (Vainio, 1926) -- subsp. gorganensis Mot. (I56; Motyka, 1936, p. 275) -- f. strigosa (Ach.) Vainio PUE (Vainio, 1926) = U. strigosa

USNEA CORNUTA Körber Syn.: U. intexta

Usnea cristatula(!) Mot. (I56) MICHO (de Lesdain, 1933)

Usnea dasycera(!) (Nyl. in Crombie) Vainio (I56; Vainio, 1926) Syn.: U. florida f. dasycera

Usnea dasypoga auct. (Hernandez, et al., 1951; I56) HID (Coutiño & Mojica, 1982); PUE (de Lesdain, 1914, 1914, 1933; Motyka, 1936-1938; Castorena, 1981) = misidentification of *U. filipendula* -- subsp. *stramineola* Mot. (I56; Motyka, 1936, p. 202)

+*USNEA DEFORMIS* Mot. (I56; Motyka, 1937, p. 488) MICHO (de Lesdain, 1933), PUE (de Lesdain, 1933)

Usnea densirostra(!) Taylor (I56; Motyka, 1936-38); D.F. (de Lesdain, 1929); MICHO (de Lesdain, 1914)

Usnea diplotypus Vainio SON = misidentification (Clerc, pers. comm.)

USNEA DURIUSCULA Mot. (I56; Motyka, 1936-38) BCN (Linder, 1934; Howell, 1935; Weber, 1993) Identification doubtful.

+*USNEA ERINACEA* Vainio (I56; Motyka, 1936-38) MICHO (de Lesdain, 1933), PUE (Vainio, 1926; de Lesdain, 1933)

Usnea evernoides(!) Mot. PUE (de Lesdain, 1933)

USNEA FILIPENDULA (Ach.) Stirton Syn.: *U. dasypoga* auct.

USNEA FLAMMEA Stirton Syn.: *U. rupestris*

USNEA FLORIDA (L.) Weber ex Wigg. (I56; Liebmann, 1944; Seemann, 1852-57; Nylander, 1858; Nylander, 1872; Hemsley, 1886-88; Hue, 1892; Eckfeldt, 1893; Williams, 1895; Howe, 1910; Zahlbruckner, 1912; Davis, 1936) Rio Frio (de Lesdain, 1929); BCN (Linder, 1934--identification doubtful according to Weber, 1993); DUR (Herre, 1944b), JAL (Herre, 1944b), MEX (Fiscus, 1972--lecanoric acid); NAY (Herre, 1944b) SON (Herre, 1944a) Syn.: *U. barbata* var. *florida* -- var. *comosa* Vainio MICHO (de Lesdain, 1914), PUE (de Lesdain, 1914) = *U. subfloridana* -- var. *perplexans* (Stirton) Vainio MICHO (de Lesdain, 1922) = *U. perplexans* -- var. *scabrosa*(!) (Ach.) Vainio (I56) MICHO (de Lesdain, 1914), PUE (de Lesdain, 1914) -- var. *strigosa* Ach., (I56; Hernandez, et al., 1951); El Desierto (de Lesdain, 1929); MICHO (de Lesdain, 1914, 1922), PUE (de Lesdain, 1914) = *U. strigosa*

The following chemical strains of *U. florida* s. lato were reported from Mexico by Fiscus, 1972 (who suggested that some of these may represent particular segregate species): 1. stictic, constictic, unknowns; 2. norstictic, salazinic, galbinic (SW part of country); 3. norstictic, salazinic (SW part); 4. norstictic; 5.

salazinic (may = *U. arizonica*); 8. protocetraric; 9. thamnolic; 11. diffractaic; 12. lecanoric; usnic alone or with unidentified phenolic substances.

USNEA FRAGILESCENS Hav. ex Lyng -- var. **MOLLIS** (Vainio) Clerc Syn.: *U. mollis*, *U. malacea*

USNEA FURFUROSULA (Zahlbr.) Mot. (I56) (Motyka, 1936-38) Syn.: *U. stigosella* v. *furfurosula*

USNEA GLABRATA (Ach.) Vainio (I56) (Motyka, 1936-38); **MICHO** (de Lesdain, 1933), PUE (de Lesdain, 1933)

+*Usnea globularis*(!) Mot. (I56) (Motyka, 1937, p. 310); D.F. (de Lesdain, 1933), **MICHO** (de Lesdain, 1933)

Usnea hieronymi(!) Krempelh. (I56) PUE: Pico de Orizaba (Vainio, 1926)

USNEA HIRTA (L.) Weber ex Wigg. (I56; Williams, 1895) BCN (Ryan, as *U. variolosa*); CHIH (Nash 36361); HID (Coutiño & Mojica, 1982); PUE (Vainio, 1926; Coutiño & Mojica, 1982); SON (Ryan, as *U. variolosa*); VC (Herre, 1944b; Coutiño & Mojica, 1985)

Usnea horrescens(!) Mot. in de Lesd. (I56) **MICHO** (de Lesdain, 1933)

Usnea horrida(!) Mot. (I56; Motyka, 1936-1938; de Lesdain, 1933)

Usnea implicita (Stirton) Zahlbr. (Motyka, 1936-38) = *U. baileyi*

Usnea incurvescens (Arnold) Motyka DF (de Lesdain, 1933) = *U. ceratina* subsp. *incurvescens*

Usnea intexta Stirton (I56; Motyka, 1936-38) = *U. cornuta* (Nimis, 1993)

Usnea jelskii(!) Mot. (I56; Motyka, 1936-38)

USNEA LAPPONICA Vainio Syn.: *U. perplexans* auct.

USNEA LECANORICA Culb., C. Culb., & Fiscus MEX (Culberson, et al., 1983)

USNEA LONGISSIMA Ach. (Hue, 1892; Williams, 1895; Krempelhuber, 1868; Eckfeldt, 1893: bought!; I56) PUE/VC: Near Orizaba (Nylander, 1858).

Usnea malacea(!) Zahlbr. (I56) = *U. fragilescens* v. *mollis*

USNEA cf. **MERRILLII** Mot. (Weber, 1981)

+*Usnea mexicana* Vainio (I56; Motyka, 1936-38); Summit of San Felipe (de Lesdain, 1933), Paso de Donna Juana (Vainio, 1926), PUE (Vainio, 1926)

USNEA MIRABILIS Mot. (I56; Motyka, 1936, p. 345)

Usnea mollis Stirton (Williams, 1895; de Lesdain, 1922) **MICHO** (de Lesdain, 1922), PUE (de Lesdain, 1914) = *U. fragilescens* var. *mollis*

+*Usnea moreliana(!)* Mot. (I56) **MICHO** (Motyka, 1938, p. 584)

USNEA MUTABILIS Stirton (I56; Motyka, 1936-1938) BCN (Nash 34046), D.F. (de Lesdain, 1933)

Usnea parvula Mot. (I56; Motyka, 1936-38)

Usnea perplectata Mot. (I56; Motyka, 1936-38)

USNEA PERPLEXANS Stirton (I56) Syn.: *U. florida* var. *perplexans*

Usnea perplexans auct. = *U. lapponica* -- f. *spinulifera* Vainio = *U. spinulifera* -- var. *dasydera* (Nyl.) Vainio VC: Mirador (Vainio, 1926)

Usnea plicata (L.) Wigg. (I56; Howe, 1910) PUE (de Lesdain, 1933) = misidentifications

Usnea pusilla(!) (Räsänen) Räsänen (I56; Motyka, 1936- 1938)

USNEA RETIFERA Mot. (I56) **MICHO** (de Lesdain, 1933)

Usnea rosea(!) Mot. in de Lesd. (I56) **MICHO** (de Lesdain, 1933)

USNEA RUBICUNDA Stirton (I56; Motyka, 1936-1938) BCN; VC (Coutiño & Mojica, 1985)

Usnea rubiginea (Michaux) Massal. (I56; Williams, 1895); **MICHO** (de Lesdain, 1933) = *U. strigosa* ssp. *rubiginea*, but if auct. = *U. rubicunda*

Usnea rupestris Mot. (I56) PUE (de Lesdain, 1933) = *U. flammea* (Nimis, 1993)

USNEA SCABIOSA Mot. (I56; Motyka, 1936-38)

Usnea sericea(!) Mot. (I56; Motyka, 1936-38)

Usnea setulosa(!) Mot. (I56; Motyka, 1936-38)

Usnea solida(!) Mot. (I56; Motyka, 1936-38)

USNEA SPINULIFERA (Vainio) Mot. (I56; Motyka, 1936-38) MICHО (de Lesdain, 1933) Syn.: *U. perplexans* f. *spinulifera*

USNEA STRIGOSA (Ach.) A. Eaton (I56; Krempelhuber, 1868; Williams, 1895; Zahlbruckner, 1912; Motyka, 1936-38; Herandez, et al., 1951; BSMM 17: 178, 1982; Guzmán, 1988) (Weber, 1979, 1981, as *Usnea* cf. *strigosa*) BC (), CHIA (González de la Rosa & Guzmán, 1976), COAH (González de la Rosa & Guzmán, 1976), D.F. (de Lesdain, 1929; González de la Rosa & Guzmán, 1976), GUER (González de la Rosa & Guzmán, 1976), HID (González de la Rosa & Guzmán, 1976; Coutiño & Mojica, 1982), MICHО (de Lesdain, 1922; González de la Rosa & Guzmán, 1976), N.L. (Vargaz Lpez, 1973; González de la Rosa & Guzmán, 1976), OAX (González de la Rosa & Guzmán, 1976), PUE (González de la Rosa & Guzmán, 1976), VC (González de la Rosa & Guzmán, 1976). Syn.: *U. rubiginea*, *U. florida* var. *strigosa*, *U. barbata* var. *florida* f. *strigosa* -- SSP. RUBIGINEA (Michaux) I. Tav. Syn.: *U. rubiginea*

Usnea subelegans(!) (Vainio) Räsänen (I56; Motyka, 1936-38) PUE/VC: Orizaba (de Lesdain, 1933) Syn.: *U. florida* v. *subelegans*

USNEA SUBFLORIDANA Stirton HID (Coutiño & Mojica, 1982); VC (Coutiño & Mojica, 1985) Syn.: *U. comosa* auct.

USNEA SUBFUSCA Stirton (I56; Motyka, 1936-38) BC (), D.F. (de Lesdain, 1933)

Usnea subgracilis(!) Vainio (I56; Motyka, 1936-38)

USNEA SUBHIRTA Mot. (I56; Motyka, 1936-38)

USNEA SUBLAXA Vainio in Mot. (I56; Motyka, 1936-38)

Usnea sulcata(!) Mot. (I56; Motyka, 1936-38)

+**Usnea trachista(!)** Mot. (I56; Motyka, 1937, p. 309)

Usnea transitoria(!) Mot. (I56; Motyka, 1936-38)

Usnea trichinella(!) Mot. (I56; Motyka, 1936-38); MICH0 (de Lesdain, 1933)

USNEA TRICHODEA Ach. (I56; Motyka, 1936-38; Krempelhuber, 1868; CAMP (Hedrick, 1935); MEX (González de la Rosa & Guzmán, 1976), MOR (González de la Rosa & Guzmán, 1976) PUE (de Lesdain, 1914) -- var. *ciliata*(!) Müll. Arg. (I56) PUE (de Lesdain, 1933)

Usnea variolosa Mot. = *U. hirta* (Clerc, pers. comm.)

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VERMILACINIA CEPHALOTA (Tuck.) Spjut & Hale (Spjut, 1995) Syn.: *Niebla cephalota*, *Ramalina cephalota*, *R. ceruchis* f. *cephalota*, *Desmazieria cephalota*

VERMACILINIA CERUCHIS (Ach.) Spjut & Hale (Spjut, 1995) Syn.: *Niebla ceruchis*, *Ramalina ceruchis*, *Desmazieria ceruchis*

VERMACILINIA ROBUSTA (Howe) Spjut & Hale (Spjut, 1995) Syn.: *Niebla robusta*, *Ramalina combeoides* v. *robusta*

VERRUCARIA CAERULEA DC. Syn.: *V. glaucina*

VERRUCARIA CALCISEDA D.C. BCN (Nash 34000)

Verrucaria epidermidis Ach. PUE/VC: Near Orizaba (Nylander, 1858) =?
Arthopyrenia punctiformis -- var. *fallax* Nyl. PUE/VC: Near Orizaba (Nylander, 1858) = *Arthopyrenia anallepta* (Harris, 1995)

Verrucaria fetivica Krempelh. (Krempelhuber, 1876) = *Pyrenula fetivica*

VERRUCARIA FUSCELLA (Turner) Winch (I56) MICH0 (de Lesdain, 1914), QUER (de Lesdain, 1922)

+*Verrucaria geminella* Nyl. PUE/VC: Near Orizaba (Nylander, 1858) = *Julella geminella* (Harris, 1995)

Verrucaria glaucina Ach. (de Lesdain, 1914) *San Juanica* (de Lesdain, 1929); BCN (Weber, 1993); D.F. (de Lesdain, 1929) = *V. caerulea*

x**VERRUCARIA HALIZOA** Leighton BCN (Ryan)

+*Verucaria heteropsis* Nyl. (Nylander, 1863, p. 488) = *Porina heteropsis*

Verrucaria mastoidea (Ach.) =? *Clathroporina mastoidea* or *Trypethelium mastoideum* -- var. *tetracerae* (Ach.) PUE/VC: Near Orizaba (Nylander, 1858) = *Clathroporina tetracerae*

VERRUCARIA MURALIS Ach. (I56) PUE (de Lesdain, 1914)

Verrucaria nitida (Weig.) Schrader PUE/VC: Near Orizaba (Nylander, 1858) = *Pyrenula nitida* -- f. *pinguis* "Schaerer" PUE/VC: Near Orizaba (Nylander, 1858) =? *Pyrenula pinguis*

+*Verrucaria rufa* de Lesd., nom. illegit., non Garov. 1865 (Bouly de Lesdain, 1927; I56) Guadalupe (de Lesdain, 1929)

VERRUCARIA RUPESTRIS Schrader, nom. illegit., non Wigg. 1780 (Davis, 1936; I56)

Verrucaria subtruncatula(!) de Lesd. (Hawksworth & James, 1983--from Mexico??--check again)

Verrucaria variolosa Pers. PUE/VC: Near Orizaba (Nylander, 1858) =? *Trypethelium variolosum*

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XANTHOPARMELIA AJOENSIS (T. Nash) Egan BC (), SON (Nash; Ryan)
Syn.: *Parmelia ajoensis*

XANTHOPARMELIA AMABLEANA (Gyelnik) Hale CHIH (Nash); MEX (Hale, 1990). Syn.: *Parmelia amableana*

Xanthoparmelia arseneana (Gyelnik) Hale BC = *X. novomexicana*, but auct. = *X. aff. convexula*

XANTHOPARMELIA CAMTSCHADALIS (Ach.) Hale? Syn.: *Parmelia camtschadalis* -- var. *americana*(!) f. *sorediosa*(!) (de Lesd.) ined.?

Xanthoparmelia cheelii = misidentification (Australasian species) (Hale, 1990)

XANTHOPARMELIA CHLOROCHROA (Tuck.) Hale (Hale, 1990)

XANTHOPARMELIA COLORADOENSIS (Gyelnik) Hale (Hale, 1990) CHIH
(Nash); HID (Nash 38136, 38137) Syn.: *Parmelia ionis-simae* var. *coloradensis*
Gyelnik

XANTHOPARMELIA CONGENESIS (B. Stein) Hale (Hale, 1990)

XANTHOPARMELIA AFF. CONVEXULA (Müll. Arg.) Hale Syn.: *X.
arseneana* auct. non (Gyelnik) Hale

XANTHOPARMELIA CONSPERSA (Ach.) Ach. BCN; PUE (Nash 35667)
Syn.: *Parmelia conspersa*, *P. digitatula*, *P. conspersa* var. *vogesiaca*

Xanthoparmelia constrictans (Nyl.) Hale Syn.: *Parmelia conspersa* var.
constrictans = misidentification (S. African species) (Hale, 1990)

XANTHOPARMELIA CUMBERLANDIA (Gyelnik) Hale (Hale, 1990) BC (?);
CHIH (Nash); HID (Nash 38139); PUE (Nasj 35668); SON (Ryan); VC (Nash
35735) Syn.: *Parmelia cumberlandia*

x**XANTHOPARMELIA DIADETA** (Hale) Hale CHIH (Nash); SON (Nash
37973)

x**XANTHOPARMELIA DIGITIFORMIS** (Elix & Armstrong) Filson CHIH
(Nash)

x**XANTHOPARMELIA HUACHENSIS** (Nash) Egan SON (Ryan)

XXANTHOPARMELIA HYPOMELAENA (Hale) Hale CHIH (Nash 36931)

x**XANTHOPARMELIA INIQUITA** Elix & Johnson CHIH (Nash 36781); HID
(Nash 38138)

x**XANTHOPARMELIA JORANADIA** (T. Nash) Hale SON Ryan 21594

XANTHOPARMELIA LAVICOLA (Gyelnik) Hale SON (Nash); MEX (Hale,
1990). Syn.: *Parmelia lavicola*

XANTHOPARMELIA LINEOLA (Berry) Hale (Hale, 1990) BC (?); CHIH
(Nash); HID (Nash 38134); SON (Nash) Syn.: *Parmelia lineola*

XANTHOPARMELIA MARICOPENSI T. Nash & Elix (Hale, 1990) BC
(Nash & Elix, 1986) SON (Nash 25602, as "cf.")

XANTHOPARMELIA MEXICANA (Gyelnik) Hale (Hale, 1990) BCN (Nash, 1992, Lich. Exs. 148; Ryan); CHIH (Nash); SON (Nash; Ryan) Syn.: *Parmelia mexicana*

+XANTHOPARMELIA MOCTEUMENSIS T. Nash in Culb., T. Nash & Johnson SON (Culberson, et al., 1979; Hale, 1990)

XANTHOPARMELIA MONTICOLA (Dey) Hale MEX (Hale, 1990) Syn.: *Parmelia constrictans* f. *inactiva* de Lesd. ex Gyelnik

xXANTHOPARMELIA NEOCONSPERSA (Gyelnik) Hale CHIH (Nash)

XANTHOPARMELIA NEORIMALIS (Elix & Armstrong) Elix & Armstrong (Hale, 1990)

xXANTHOPARMELIA NIGROPSOROMIFERA (Nash) Egan CHIH (Nash); SON (Nash 37947)

(XANTHOPARMELIA NIGROWEBERI Nash ined.) SON

XANTHOPARMELIA NOVOMEXICANA (Gyelnik) Hale (Hale, 1990) BC (?), CHIH (Nash 36356); SON (Hale, 1979; Nash) Syn.: *Parmelia conspersa* var. *nigromarginata*, *P. novomexicana*, *P. arseneana*, *X. arseneana*

XANTHOPARMELIA OLEOSA (Elix & Armstrong) Elix & T. Nash in T. Nash & Elix (Hale, 1990)

XANTHOPARMELIA PLANILOBATA (Gyelnik) Hale (Hale, 1990)

XANTHOPARMELIA PLITTII (Gyelnik ex D. Dietr.) Hale (Hale, 1990) BCN; SON (Ryan) Syn.: *Parmelia plittii*

XANTHOPARMELIA PSOROMIFERA (Kurok.) in Hale CHIH (Nash 36218-b); SON (Nash; Ryan) Syn.: *Parmelia psoromifera*

XANTHOPARMELIA SOMLOENSIS (Gyelnik) Hale (Hale, 1990) BC ? Syn.: *Parmelia conspersa* var. *stenophylla*

XANTHOPARMELIA CF. STANDAERTII (Gyelnik) Hale BCN (Nash, 1992, Lich. Exs. 149)

Xanthoparmelia subconspersa (Nyl.) Hale = *Flavoparmelia rutidota*

xXANTHOPARMELIA SUBCONVOLUTA Hale BCN (Nash); CHIH (Nash)

XANTHOPARMELIA SUBDECIPiens (Vainio) Hale Syn.: *Parmelia*
subdecipiens

xXANTHOPARMELIA SUBERADICATA (des Abb.) Hale CHIH (Nash)

XXANTHOPARMELIA SUBPLITTII Hale SON (Nash 37946), D. F. (Nash
38219)

XANTHOPARMELIA SUBRAMIGERA (Gyelnik) Hale (Hale, 1990) Syn.:
Parmelia isidiata p.p., *P. lavicola*, *P. subramigera*

XANTHOPARMELIA TARACTICA (Krempelh.) Hale (Hale, 1990) BC (),
PUE (Hale, 1990) Syn.: *Parmelia taractica*, *Parmelia ionis-simae*,
XANTHOPARMELIA TASMANICA (J. D. Hook & Taylor) Hale (Hale, 1990)
BCN (Nash 38507); CHIH (Nash 36488); PUE (Hale, 1990) Syn.: *Parmelia*
hypofusca

XANTHOPARMELIA TINCTINA (Maheu & Gillet) Hale Syn.: *Parmelia*
tinctina

XANTHOPARMELIA TOLUCENSIS Hale (Hale, 1987, 1990) MEX (Hale,
1987, 1990); PUE (Nash 35670); VC (Nash 35737) Syn.: *Parmelia* toluensis

XANTHOPARMELIA TUCSONENSIS (T. Nash) Egan (Hale, 1990) CHIH
(Nash 36218-a)

XANTHOPARMELIA VAGANS (Nyl.) Hale PUE (Hale, 1990)

XANTHOPARMELIA WEBERI (Hale) Hale (Hale, 1990) SON (Nash 25623, as
"cf.") Syn.: *Parmelia* weberi

XXANTHOPARMELIA WRIGHTIANA Nash, Elix & Johnston BCN (Nash
38264)

xXANTHOPARMELIA WYOMINGICA (Gyelnik) Hale BCN (Ryan)

Xanthopsora texana (W. Weber) G. Schneider & W. Weber (Jorgensen, 1983)
CHIA (Schneider, 1979); S.L.P. (Schneider, 1979) = *Xanthopsorella* texana

XANTHOPSORELLA TEXANA (W. A. Weber) Kalb & Hafellner CHIA;
COAH, S.L.P., TAM Syn.: *Xanthopsora* texana

XANTHORIA CANDELARIA (L.) Th. Fr. (Weber, 1981) (Dávalos, et al., 1972; BSMM 3: 15, 1969; RMM 1: 392, 1985; Guzmán, 1988); Llano Chico (de Lesdain, 1933) BCN (Dávalos, et al., 1972); MEX (Dávalos, et al., 1972); S.L.P. (Nash, as "cf."); VC (Coutiño & Mojica, 1985)

XANTHORIA CONCINNA J. W. Thomson & T. Nash NL (Thomson & Nash, 1976)

XANTHORIA ELEGANS (Link) Th. Fr. BCN (Nash 14680); MEX (Beaman 3551) Syn.: *Caloplaca elegans*, *Placodium elegans*.

XANTHORIA FALLAX (Hepp in Arnold) Arnold BCN (Nash 38362), SON (Hale, 1979)

XANTHORIA LOBULATA (Flörke) de Lesd. Syn.: *Caloplaca lobulata* (Need to see Jorgensen & Coppins, 1983)

Xanthoria lychnea (Ach.) Th. Fr. = ?

XANTHORIA AFF. PARIETINA (L.) Th. Fr. BCN (Nash, 1989, Lich. Exs. 100)

XANTHORIA POLYCARPA (Hoffm.) Rieber (Weber, 1979) (Guzmán, 1988) BCN BCS (de la Rosa & Guzmán, 1976) COAH (González de la Rosa & Guzmán, 1976), HID (González de la Rosa & Guzmán, 1976), N.L. (Vargas Lpez, 1973; (González de la Rosa & Guzmán, 1976) SLP (González de la Rosa & Guzmán, 1976), TAM (González de la Rosa & Guzmán, 1976), "NOROESTE DE MEXICO" (Hale, 1969). Syn.: *Teloschistes polycarpus* May be misidentifications (of *X. concinna*?)

XANTHORIA CF. RAMULOSA (Tuck.) Herre BCN (Nash, 1992, Lich. Exs. 150)

XANTHORIA SOREDIATA (Vainio) Poelt (RMM 3: 228, 1987; Guzmán, 1988) BCN (Nash 14694); JAL (Dávalos & Alvarez, 1987); MEX (Beaman)

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ZWACKHIOMYCES DISPERSUS (J. Lahm ex Körber) Triebel & Grube in Grube & Hafellner* Syn.: *Pharcidia dispersa*

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LITERATURE CITED

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Need to check indexes to Bryologist, Lichenologist, etc.

Ahti, T. 19 . (Cladonia) (need to check)

----- Names in current use in the Cladoniaceae (lichen- forming Ascomycetes) in the ranks of genus to variety. Pages 58-106 in: W. Geruter (ed.), NCU-2, Names in Current Use in the Families Trichocomaceae, Cladoniaceae, Pinaceae, and Lemnaceae. Koeltz Scientific Books, Königstein, Germany.

----- & A. Aptroot. 1992. Lichens of Madagascar: Cladoniaceae. Cryptogamie, Bryol. Lichénol. 13: 117-124.

Almeda, F., Jr. & J. P. Dey. 1973. Chemical and nomenclatural notes on the *Parmelia xanthina* complex. The Bryologist 76: 541- 543.

Alvarez, I., L. Guzmán-Dávalos & G. Guzmán. 1988. Liqueñes su distribucion e importancia en Jalisco. Tiempos de Ciencia 12: 35-38.

Aptroot, A. Lichens of Madagascar: The Pyxinaceae (syn. Physciaceae). Cryptogamie, Bryol. Lichenol. 9(2): 141-147.

Arup, U. 1992a. *Caloplaca marina* and *C. rosei*, two difficult species in North America. The Bryologist 95: 148-160.

----- 1992b. *Caloplaca stantonii* sp. nov. and its relationship to *Caloplaca bolacina* and other lobate to squamulose speices in North America. The Bryologist 95: 449-457.

Arvidsson, L. 1982. A Monograph of the lichen genus *Coccocarpia*. Opera Botanica 67: 1-96.

Awasthi, D. D. 1975. A monograph of the lichen genus *Dirinaria*. Bibliotheca Lichenologica 2. J. Cramer, Vaduz.

- & M. Joshi. 1979. The lichen genera *Helminthocarpon*, *Cyclographa*, and *Cyclographina* (gen. nov.). *Norw. J. Bot.* 26: 165-177.
- Bernabè, G. T. 1977. Algunas especies de liquenes del Estado de Guerrero. Univ. Aut. de Guerrero, Tesis Profesional, 68 pp., Chilpancingo.
- Bouly de Lesdain, M. 1910. Notes lichénologiques. XII. *Bull. Soc. bot. France* 57: 236-240.
- 1914. Lichens du Mexique (Etats de Puebla et du Michoacan) recueillis par le Frère Arsène Brouard. I. Escalente, S.A. 31 pp.
- 1922. Lichens du Mexique. 1er supplème (mimeographed). 23 pp. Covington, Louisiana.
- 1929. Lichens du Mexique. 2e. supplème. Lichens recueillis par les Frère Amable Saint-Pierre. *Ann. Cryptog. Exot.* 2: 217-254.
- 1933. Lichens du Mexique. 3e. supplème. Lichens recueillis par les Frères G. Arsène et Amable Saint- Pierre. *Ann. Cryptog. Exot.* 6: 99-130.
- 1939. Notes lichénologiques. XXXI. *Bull. Soc. bot. France* 86: 81-84.
- 1940. Notes lichénologiques. XXXII. *Bull. Soc. bot. France* 87: 136-141.
- Bowler, P. and P. Rundel. 1972a. *Ramalina bajacalifornica*, a new species from Baja California. *The Bryologist* 75: 365-368.
- and ----- 1972b. A new species of *Ramalina* from Sinaloa, Mexico. *The Bryologist* 75: 574-576.
- and ----- 1973. Two new lichens (*Ramalina*) from Baja California, Mexico. *The Bryologist* 76: 211-213.
- and ----- 1978. The *Ramalina farinacea* complex in North America: chemical, ecological and morphological variation. *The Bryologist* 81: 386-403.
- , R. Riefner, Jr., P. W. Rundel, J. Marsh & T. H. Nash III. 1994. New species of *Niebla* (Ramalinaceae) from western North America. *Phytologia* 77: 23-37.
- Brako, L. 19 . *Phyllopsora*.

- Breuss, O. and B. McCune. 1994. Additions to the pyrenolichen flora of North America. *The Bryologist* 97(4): 365-370.
- Brizuela, F. & G. Guzmán. 1971. Estudio sobre los liquenes de México, II. *Boletín de la Sociedad Mexicana de Micología* 5: 79-103. (need to see!)
- Brodo, I. M. 1984. The North American species of the Lecanora subfuscata group. *Beihefte zur Nova Hedwigia* 79: 63-183.
- 1991. Studies in the lichen genus Ochrolechia. 2. Corticolous species of North America. *Canadian Journal of Botany* 69: 733-772.
- & D. L. Hawksworth. 1977. Alectoria and allied genera in North America. *Opera Botanica* 42: 1-164.
- Büdel, B. and T. H. Nash III. 1993. A new species of Peltula from the Sonoran Desert, Mexico. *Lichenologist* 25(3): 279-284.
- Castorena, F. J. 1981. Contribución al conocimiento de los liquenes del Estado de Puebla. Tesis profesional. Escuela de Ciencias Químicas, Univ. Aut. de Puebla, 129 pp., Puebla.
- Common, R. S. & I. M. Brodo. 1995. Bryoria sect. Subdivergentes recognized as the new genus Nodobryoria (lichenized Ascomycotina). *The Bryologist* 98: 189-206.
- Coutiño, B. & A. Mojica. 1982. Estudio de liquenes corticicos de bosque mesófilo de montaña y de coníferas del Estado de Hidalgo. *Bol. Soc. Mex. Mic.* 17: 166-180.
- & ----- 1985. Liqueños de la Región del Cofre de Perote- Xalapa. *Rev. Mex. Mic.* 1: 379-399.
- Culberson, W. L. 1963. A summary of the lichen genus Haematomma in North America. *The Bryologist* 66: 224-236.
- 1974. The range of the lichen Parmelia eurysaca. *Mycologia* 66: 1047-1049.
- 1986. *The Bryologist* 89: (127)
- and C. F. Culberson. 1968. The lichen genera Cetrelia and Platismatia (Parmeliaceae). *Contributions from the United States National Herbarium* 34(7): 448-558.

- and ----- 1976. *Ramalina asahinae*, a new boninic acid- producing species from Mexico. *Jour. Jap. Bot.* 51: 374-376.
- and ----- 1978. *The Bryologist* 81: 517-523.
- and ----- 1981a. The genera *Cetrariastrum* and *Con camerella* (Parmeliaceae): A chemosystematic synopsis. *The Bryologist* 84: 273-314. (needs to be double-checked)
- and ----- 1981b. A new *Ramalina* with two new depsides. *Occas. Pap. Farlow Herb.* 16: 37-40.
- , -----, & S. A. Fiscus. 1983. *The Bryologist* 86: 254- 256.
- , -----, & A. Johnson. 1990. *The Bryologist* 93: 167- 186.
- Darbshire, O. V. 1895. *Dendographa*, eine neue Flechtengattung. *Berichte Deutsch. Bot. Gesellsch.* 13: 313-326.
- 1898. *Monographia Roccellaeorum*. Stuttgart.
- 1935. The Templeton Crocker Expedition of the California Academy of Sciences, 1932. No. 23. The Roccellaceae. *Proc. Calif. Acad. Sci.*, IV, 21: 285-294.
- Dávalos de Guzmán, L. (variously cited by different authors as Dávalos, Guzmán-Davalos, and Guzmán, L. Dávalos de; need to find which is correct), F.
- , & I. Alvarez. 1987. Observaciones sobre los liquenes de Jalisco y de Chiapas. *Rev. Mex. Mic.* 3L 217-230. (cited as Dávalos & Alvarez, 1987 in this checklist)
- , F. Brizuela, & G. Guzmán. 1972. Estudios sobre los liquenes de México, I. Notas sobre algunas especies. *Anales de la Escuela Nacional de Ciencias Biológicas*, México 19: 9-30. (Need to see! Includes bibliography!)
- and G. Guzmán. 1969. Clave para identificar algunos liquenes Mexicanos. *Bol. Soc. Mex. Mic.* 3: 13-18.
- and ----- 1981. La colección de hongos del Herbario de la Escuela nacional de Ciencias Biológicas del I. P. N> *Bol. Sco. Mex. Mic.* 16: 11-28.

- Davis, H. B. 1936. Life and work of Cyrus Guernsey Pringle. Univ. of Vermont, Burlington. 756 pp.
- Degelius, G. 1935. Das Ozeanische Element der Strauch- und Laubflechten-Flora von Skandinavien. *Acta Phytogeogr. Suecica* 7: 1-411.
- 1954. The lichen genus *Collema* in Europe. Morphology, taxonomy, ecology. *Symbolae Upsaliensis* 13(2): 1-499.
- 1974. The lichen genus *Collema* with special reference to the extra-European species. *Symbolae Botanicae Upsaliensis* 20(2): 1-215.
- Dix, W. L. 1959. Some Mexican lichens. *The Bryologist* 62: 148- 149.
- Dodge, C. W. 1929. A synopsis of *Stereocaulon* with notes on some exotic species. *Ann. Crypt. Exot.* 2: 93-153.
- 1936. Lichens of the G. Allan Hancock Expedition of 1934, collected by W. R. Taylor, in The Hancock Pacific Expedition 3: 33-45. Univ. South. Calif. Press, Los Angeles.
- DuRietz, G. E. 1924. Kritische Bemerkungen über die *Parmelia perlata*-gruppe. *Nytt Mag. Naturvid.* 62: 63-82.
- 1925. Flechten systematische Studien. V. *Bot. Notiser* 1925: 1-6.
- 1926. Vorarbeiten zu einer "Synopsis Lichenum". I. *Ark. f. Bot.* 20A(11): 1-42.
- Eckfeldt, J. W. 1892. An enumeration of some rare North American lichens. *Bull. Torrey Bot. Club* 19: 249-253.
- 1893. List of lichens from California and Mexico, collected by Dr. Edward Palmer from 1888 to 1892. *Contrib. U. S. Nat. Herb.* 1(8): 291-292.
- Egan, R. S. 1978. A new Mexican species in the lichen genus *Everniastrum Hale* (Parmeliaceae). *Mycotaxon* 7: 55-57.
- Egea, J. M. and P. Torrente. 1992. Two new species of *Lecanactis* from Baja California. *The Bryologits* 95(2): 161-165.
- and ----- 1993. *Cresponea*, a new genus of lichenized fungi in the order Arthoniales (Ascomycotina). *Mycotaxon* 48: 301-331.

- and ----- 1994. El Gènero de Hongos Liqueñizados Lecanactis (Ascomycotina). *Biliotheca Lichenologica* 54: 1-205.
- and ----- 1995. The lichen genus *Sclerophyton* in the Sonoran Desert. *The Bryologist* 98: 207-217.
- and ----- 1995. Especies saxicolas del genero *Arthonia* (Arthoniaceae) en areas costeras de California y Baja California (Estados Unidos y Mexico). Pages 193-204 in: Daniels, F. J. A., et al. (eds.), Flechten Follmann. Cologne.
- Elix, J. A. & M. E. Hale. 1987. *Canomaculina*, *myelochroa*, *Parmelinella*, *Parmelinopsis*, and *Parmotremopsis*, five new genera in the Parmeliaceae (Lichenized Ascomycotina). *Mycotaxon* 29: 233-244. -----, J. Johnston and D. Verdon. 1986. *Canoparmelia*, *Paraparmelia* and *Relicinopsis*. Three new genera in the Parmeliaceae (Lichenized Ascomycotina). *Mycotaxon* 27: 271-282.
- Enzien, . & . Margulis. 1988. (see *Bryologist* 93: 511 for citation)
- Esslinger, T. L. 1977. A chemosystematic revision of the brown *Parmeliae*. *Journ. Hattori Bot. Lab.* 42: 1-211.
- 1973. Chemical and taxonomic studies on some corticolous members of the lichen genus *Cetraria* in western North America. *Mycologia* 65: 602-613.
- and R. Egan. 1995. A sixth checklist of the lichen- forming, lichenicolous, and allied fungi of the continental United States and Canada. *The Bryologist* 98: 467-549.
- Evans, A. W. 1955. Notes on North American Cladoniae. *The Bryologist* 58: 93-112.
- Farkas, E. E. and H. J. M. Sipman. 1993. Bibliography and checklist of foliicolous lichenized fungi up to 1992. *Tropical Bryology* 7: 93-148.
- Fink, B. 1935. The Lichen Flora of the United States. Univ. of Mich. Press, Ann Arbor.
- Fiscus, S. A. 1972. A survey of the chemistry of the *Usnea florida* group in North America. *The Bryologist* 75: 299-304.
- Follmann, G. 1976. Zur Nomenklatur der Lichenen. III. über *Desmazieria* Mont. (Ramalinaceae) und andere kritische Verwandtschaftskreise. *Philippia* 3(2): 85-89.

- 1979. Vorarbeiten zu einer Mongraphie der Flechtenfamilie Roccellaceae Chev. III. Zur Identität von *Reinkella californica* Raes. und *Reinkella subcrustacea* Raes. Nova Hedwigia 31: 285-292.
- & M. Geyer. 1986. Vorarbeiten zur einer Monographie der Flechtenfamilie Roccellaceae Chev. VII. Inhaltsstoffe und Verwandtschaftsbeziehungen der Gattung *Combea* de Not. und *Schizopeltis* T. M. Fries. Zeitschrifte fur Naturforschung, Part C 41: 1117-1118.
- Frey, E. 1949. Neue Beiträge zu einer Monographie des Genus *Umbilicaria* Hoffm., Nyl. Ber. Schweiz. Bot. Gesellsch. 59: 427- 469.
- Fries, E. M. 1851. Novae symbolae mycologicae, in pregrinis terris a botanicis Danicis collectae. Nov. Act. r. Soc. Sc. Upsal. III, 1: 17-136.
- Gilbert, A. (sometimes cited as Gibert; need to check which is correct) 1935 (unpublished). Liqueñes del Valle de Mexico. Tesis de Maestria. Facultad de Ciencias, Univ. Nat. Aut. Mèx. ("sin publicar").
- Gierl, C. and K. Kalb. 1993. Die Flechtengattung *Dibaeis*. Eine übersichg über die rosafrüchtigen Arten von *Baeomyces* sens. lat. nebst Anmerkungen zu *Phyllobaeis* gen. nov. Herzogia 9: 593-645.
- Giralt, . & Gomez-Bolea. 1991. Lichenologist 23: (111)
- González de la Rosa, E. 1975 (unpublished). Contribucion al conocimiento de los liqueñes de Mèxico. Tesis professional. Escuela Nacional de Ciencias Biologicas. I.P.N.
- González de la Rosa and G. Guzmán. 1976. Estudios sobre los liqueñes de Mèxico, III. Observaciones sobre especies no consideradas anteriormente. Boletin de la Sociedad Mexicana Micología. 10: 27-64. (need to change citations in text, which are as "de la Rosa", without the Gonzalez)
- Grassi, M. M. 1953. Teloschistaceae de Tucumán. Lilloa 26: 434-452. (Need to see!)
- Guzmán, G. 1972. Algunos macromicetos, liqueñes y mixomicetos importante eu la zona del Volcán Popocatèpetl (Amecameca, Tlamacas, Mèx.). In: "Guiás Botánicas de Excusiones en Mèxico". Soc. Bot. Mex. pp. 17-36.

- 1986. Distribucion de los hongos en la region del Caribe y zonas vecinas. *Caldasia* 15: 103-120.
- 1988. Claves para identificar los principales Liqueños Mexicanos. (Unpublished?--"Estas claves fueron preparadas para la Segunda Edicion del libro IDENTIFICACION DE LOS HONGOS de Gaston Guzmán, la cual esta en prensa en la Editorial Limusa, de México, D.F.")
- & González de la Rosa, M. E. 1976. Estudios sobre los liqueños de México, IV. Especies de *Usnea* citadas por Motyka en 1936-1938 de México. *Boletín de la Sociedad Mexicana Micología* 10: 65-70. (need to see!)
- & L. Villarreal. 1984. Estudio sobre los hongos, liqueños y mixomicetos del Cofre de Perote, Veracruz, I: Introducción a Micoflora de la región. *Bol. Soc. Mex. Mic.* 19: 107-124.
- Gyelnik, V. 1931. *Nephromae novae et criticae*. *Ann. Crypt. Exot.* 4: 121-149.
- 1932. *Peltigerae novae et rarae*. *Ann. Crypt. Exot.* 5: 39-40.
- Additamenta ad cognitionem Parmeliarum, V. *Repertor. Sp. Nov. Reg. Veget.* 36: 151-166.
- 1935. Conspectus Bryopogonum. *Repert. Sp. Nov. Reg. Veget.* 38: 219-255.
- +Hafellner, J. 1981. Monographie der Flechtengattung *Letrovittia* (Lecanorales, Teloschistaceae). *Nova Hedwigia* 35: 645-729.
- & A. Bellemere. 1981. Electronenoptische Untersuchungen an Arten der Flechtengattung *Brigantiae*. *Nova Hedwigia* 35: 237- 261.
- & R. S. Egan. 1981. Studies on the genus *Speerschneidera*. *Lichenologist* 13: 11-26.
- & J. Poelt. 1979. Die Arten der Gattung *Caloplaca* mit plurilocularen Sporen (Meroplacis, Triophthalmidium, Xanthocarpia). *Journ. Hattori Bot. Lab.* 46: 1-41
- Hale, M. E., Jr. 1959. (*Parmelia caroliniana*)
- 1961. Lichen Handbook. Smithsonian Inst., Washington, DC.

- . 1965. A monograph of *Parmelia* subgenus *Amphigymnia*. Contrib. U.S. Nat. Herb. 36: 193-358.
- . 1967a (1976a?). (*Parmelia immiscens*)
- . 1969. How to Know the Lichens. Wm. C. Brown Co., Dubuque, Iowa.
- . 1971a. Two new species of *Parmelia* (Lichens) from North America. *Phytologia* 22: 92-93. -----. 1971b. Morden-Smithsonian Expedition to Dominica: The Lichens (Parmeliaceae). Smithsonian Contributions to Botany No. 4.
- . 1971c. *Parmelia permaculata*, a new lichen from Alabama and Mexico. *Phytologia* 21: 425. *Phytologia* 21: 425. (needs to be added to list)
- . 1971d. (Xantho)*Parmelia weberi*
- . 1974. Notes on *Parmotrema* (Lichenes: Parmeliaceae) containing yellow pigments. *Mycotaxon* 1(2): 105-116.
- . 1975a. A revision of the lichen genus *Hypotrachyna* (Parmeliaceae) in tropical America. Smithsonian Contributions to Botany 25: 1-73.
- . 1975b. A monograph of the lichen genus *Relicina* (Parmeliaceae). Smithsonian Contributions to Botany 26: 1-32.
- . 1976a. A monograph of the lichen genus *Bulbothrix* Hale (Parmeliaceae). Smithsonian Contributions to Botany 32: 1-29.
- . 1976b. A monograph of the lichen genus *Parmelina* Hale (Parmeliaceae). Smithsonian Contributions to Botany 33: 1-60.
- . 1976c. Synopsis of a new lichen genus, *Everniastrum* (Parmeliaceae). *Mycotaxon* 3(3): 345-353.
- . 1976d. A monograph of the lichen genus *Pseudoparmelia* Lynge (Parmeliaceae). Smithsonian Contributions to Botany 32: 1-62.
- . 1977. New species in the lichen genus *Parmotrema* Mass. *Mycotaxon* 5(2): 432-448.
- . 1979. How to Know the Lichens. 2nd ed. Dubuque. -----. 1980. Generic delimitation in the Lichen family Thelotremaeae. *Mycotaxon* 11(1): 130-138.

- 1984. *Flavopunctelia*, a new genus in the Parmeliaceae (Ascomycotina). *Mycotaxon* 20: 681-682.
- 1986. *Flavoparmelia*, a new genus in the Lichen family Parmeliaceae (Ascomycotina). *Mycotaxon* 25: 603-605.
- 1987. New or interesting species of *Xanthoparmelia* (Vainio) Hale (Ascomycotina: Parmeliaceae). *Mycotaxon* 30: 319- 334.
- 1990. A synopsis of the lichen genus *Xanthoparmelia* (Vainio) Hale (Ascomycotina, Parmeliaceae). *Smithsonian Contributions to Botany* 74: 1-250.
- & T. Ahti. 1986. An earlier name for *Parmotrema perlatum* "(Huds.) Choisy" (Ascomycotina: Parmeliaceae. *Taxon* 35: 133-134.
- & S. Kurokawa. 1964. Studies on *Parmelia* subgenus *Parmelia*. *Contributions from the United States National Herbarium* 36: 121-191. (need to check!)
- Harris, R. C. 1981. A txonomic revision of the genus *Arthopyrenia* Massal. s. lat. (Ascomycetes) in North America. University Microfilms, Ann Arbor.
- 1995. More Florida Lichens. Published by the author.
- Hasse, E. 1914. A new *Reinkella* from Mexico, *Reinkella Parishii* Hasse. *The Bryologist* 17: 45-46.
- 1913. The Lichen Flora of Southern California. Smithsonian Inst., Washington, DC.
- Hawksworth, D. L. 1995. *Bull Brit. Mus., Bot. Ser.* 14(2).
- and T. Esslinger. 1993. (Haleomyces). *The Bryologist* 96:
- & P. W. James. 1983. Bouly de Lesdain and Vouaux material in the National Herbarium of New South Wales, Sydney (NSW). *Cryptogamie, Bryologie et Lichénologie* 4: 169-173. (need to consult).
- & K. Kalb. 1992. *The Bryologist* 95: 338-339.
- +Hedrick, J. 1935. Lichens from the Yucatan Peninsula, in *Botany of the Maya Area, Miscellaneous papers* Publ. 461. Carnegie Inst., Washington, DC.

- , 1942. Some lichens from the American tropics collected by Wm. R. Taylor. Allan Hancock Pacific Expeditions 3(9): 183- 187.
- Hemsley, W. B. 1886-1888. Biologia Centrali-Americanana edited by F. Ducane Godman and Osbert Salvin. Part IV (Botany): 145-151 (description of Mt. Orizaba vegetation, with lichens).
- Henssen, A. 1986a. *Thyrea polyglossa* and *Thyrea divergens* sp. nov. Mycotaxon 25(2): 493-503.
- , 1986b. The genus *Paulia* (Lichenaceae). Lichenologist 18(3): 202-209.
- , 1995. The new lichen family *Gloeohippiaceae* and its genera *Gloeohippia*, *Pseudopeltula* and *Gudelia* (Lichinales). Lichenologist 27(4): 261-290.
- , B. Budel & T. H. Nash III. Three new species of *Lichinella* described from Mexico. The Bryologist 88(4): 285-292.
- Hernandez, X. E., H. Crum, W. B. Fox, & A. J. Sharp. 1951. A unique vegetational area in Tamaulipas. Bull. Torrey Bot. Club 78: 458-463. (lichens det. by Mozingo, p. 462).
- Herre, A. W. C. T. 1920. Notes on Mexican lichens. The Bryologist 23: 3-4.
- , 1944a. Some lichens from Sonora, Mexico. The Bryologist 47: 82-86.
- , 1944b. Mexican lichens, mostly collected by Mrs. Ynes Mexia and C. A. Purpus. The Bryologist 47: 190-193
- Hillman, J. 1930. Studien über die Flechtengattung *Teloschistes* Norm. Hedwigia 69: 303-343.
- Howe, R. H., Jr. 1910. A manual of the genus *Usnea* as represented in North and Middle America, north of the 15th parallel. Bull. Torrey Bot. Club 37: 1-18.
- , 1911a. American species of *Alectoria* occurring north of the fifteenth parallel. Mycologia 3: 106-150.
- , 1911b. The genus *Evernia* as represented in North and Middle America. Bot. Gazette 51: 431-442.
- , 1912. *Oropogon loxensis* and its North American distribution. Mycologia 4: 152-156.

----- 1913-1914. North American species of the genus *Ramalina*. *The Bryologist* 16: 65-74 (Part 1, 1913), 16: 81-89 (Part 2, 1913); 17: 1-7 (Part 3, 1914), 17: 17-27 (Part 4, 1914), 17: 33-40 (Part 5, 1914), 17: 49-52 (Part 6, 1914), 17: 65-69 (Part 7, 1914), 17: 81-87 (Part 8, 1914).

Hue, A. M. 1892. *Lichenes exotici a Professor W. Nylander descripti vel recogniti*. Paris, 378 pp.

Imshaug, H. 1955a. The lichen genus *Buellia* in Central America. *The Bryologist* 58: 277-287.

----- 1955b. The lichen genus *Buellia* in the West Indies. *Farlowia* 4: 473-512.

----- 1956. Catalogue of Mexican lichens. *Revue Bryologique et Lichénologique* 25: 321-385. (1956 is the year given by Hawksworth & Ahti, 1990, *Lichen Floras of the World*, *Lichenologist* 22: 57)

----- 1957. The lichen genus *Pyxine* in North and middle America. *Trans. Amer. Micros. Soc.* 76: 246-269. (Need to check!)

----- 1958.

----- 1959. Catalogue of Central American lichens. *The Bryologist* 59: 69-114. (Includes 997 spp. from Mexico; need to consult for the current checklist!)

----- & I. M. Brodo. 1966. Biosystematic studies on *Lecanora pallida* and some related lichens in the Americas. *Nova Hedwigia* 12: 1-59.

Jahns, H. M. 1981. The genus *Pilophorus*. *Mycotaxon* 13: 289- 330.

Jorgensen, P. M. 1971. On some *Leptogium* species with short *Mallotium* hairs. *Svensk Botanisk Tidskrift* 67: 53-58.

----- 1973. Über einige *Leptogium*-arten vom *Mallotium*-typ. *Herzogia* 2: 453-468.

----- 1975. Contributions to a monograph of the *Mallotium*- hairy *Leptogium* species. *Herzogia* 3: 433-460.

----- 1983a. Distribution patterns of lichens in the Pacific region. *Aust. J. Bot. Suppl. Ser. 1):* 43-66.

----- 1983b. Studies on some *Leptogium* species of western Europe. *Lichenologist* 15(2): 109-125.

Kalb, K. 1991. Lichenes Neotropici ausgegeben von Klaus Kalb.

-----, J. Hafellner & B. Staiger. 1995. Haematomma-Studien. II. Lichenicole Pilze auf Arten der Flechtengattung *Haematomma*

Kärnefelt, I. The genera *Bryocaulon*, *Coelocaulon* and *Cornicularia* and formerly associated taxa. *Opera Botanica* 86: 1- 90.

Kashiwadani, H. & T. H. Nash III. New or noteworthy species of the genus *Ramalina* (lichens) from northern Mexico. *Acta Botanica Fennica* 150: 87-92.

Keuck, G. 1977. Ontogenetisch-systematische Studie über *Erioderma*. *Bibliotheca Lichenologica* 6. J. Cramer, Vaduz.

Knoph, J.-G., G. Rambold & D. Triebel. 1991? A revision of the lichen genus *Carbonea*. *Bibl. Lichenol.* .

Krempelhuber, A. 1866. Lichenes in Bot. Ergebnisse der REise Sr. Maj. d. Kais. v. Mexico Maxmilian I nach Brasilien 1859-1860.

----- 1868. Exotische Flechten aus dem Herbar des K. K. botanischen Hokabinates in Wien. Verhandl. der k. k. zool.-bot. Gesellschaft in Wien 18: 303-330.

----- 1876. Lichens Mexicanos quos legit 1875 R. Rabenhorst. *Hedwigia* 15: 148-149.

----- 1879.

Krog, H. 1974. *Parmelia ultralucens*, a new lichen species in subgenus *Amphigymnia*. *The Bryologist* 77(2): 253-256.

----- 1982. *Punctelia*, a new lichen genus in the Par- meliaceae. *Nord. J. Bot.* 2: 287-292.

----- & T. D. V. Swinscow. 1983. A new species and new combinations in *Parmotrema* (Parmeliaceae). *Lichenologist* 15(2): 127-130.

----- & ----- 1986. *Solorina simensis* and *S. saccata*. *Lichenologist* 18(1): 57-62.

- Kurowkawa, S. 1962. A monograph of the genus *Anaptychia*. Beih. Nova Hedwigia 6: 1-115.
- 1973. Supplementary notes on the genus *Anaptychia*. Journ. Hattori Bot. Lab. 37: 563-607.
- Lamb, I. M. 1947. A monograph of the lichen genus *Placopsis* Nyl. Lilloa 13: 151-288.
- 1963. Index Nominum Lichenum, 1932-1960. Ronald Press, New York.
- 1977. A conspectus of the lichen genus *Stereocaulon* (Schreb.) Hoffm. Journ. Hattori Bot. Lab 43: 191-355.
- Laundon, J. R. 1976. Lichens new to the British Flora. Lichenologist 8: 139-150.
- Liebmann, F. M. 1844. Eine pflanzengeographische Schilderung des Vulkans Orizaba. Bot. Zeit. 2: 668-672, 684-688, 699-702, 717-719, 734-736, 750-752, 767-768, 781-784, 797-800.
- Linder, D. H. 1934. The Tempelton Crocker Expedition of the California Academy of Sciences, 1932. No. 18. Lichens. Proc. Calif. Acad. Sci. 4th series, 21: 211-222.
- Llano, G. A. 1950. A monograph of the Lichen Family Umbilicariaceae in the Western Hemisphere. Off. of Naval Res., Washington, D.C. Loesner, T. 1895. Plantae Seleriana. II. Bull. Herb. Boissier 3: 609-629. Lichenes det. Lindau, p. 609.
- Lumbsch, H. T. 1989. Die holarktischen Vertreter der Flechtengattung *Diploschistes* (Thelotremaeae). Journal of the Hattori Botanical Laboratory 66: 133-196.
- and T. H. Nash III. 1995. New species and new records of *Lecanora* s. str. from western North America. The Bryologist 98(3): 398-401.
- Lynge, B. 1924. On South American *Anaptychia* and *Physciae*. Skrift. Vidensk. Selsk. Kristiana 2(16): 1-47.
- Magnusson, A. H. 1929. A monograph of the genus *Acarospora*. Kungl. Svenska Vetenskapsakad Handl. 7: 3-400. ----- 1935. On the species of *Biatorella* and *Sarcogyne* in America. Ann. Crypt. Exot. 7: 115-146.

----- 1936. On saxicolous species of the genus Lecidea proper to North America. Medd. Goteborgs Bot. Tradgard 10: 1-52.

Mayrhofer, H. 1987. Monographie der Flechtengattung Thelenella. Bibliotheca Lichenologica 26. J. Cramer, Berlin.

-----, J. W. Sheard and M. Matzer. 1992. The genus Mobergia (Physciaceae, lichenized Ascomycetes). The Bryologist 95(4): 436-442.

McCune, B. 1987. (Distribution of Rhizoplaca). The Bryologist .

Merrill, G. 1908. Lichen notes no. 5. Remarks on nomenclature and three new names. The Bryologist 11: 48-53.

----- Lichen notes no. 9. *Parmelia latissima* Fée and two commonly associated species. The Bryologist 12: 29-31.

Millspaugh, C. F. 1898. Plants collected by Dr. Geo. F. Gaumer in 1895-1896, Dr. Arthur Schott in 1864-1866, and Mr. Witmore Stone in 1890. Field Columb. Mus. Bot. 1(4): 345-410. Lichenes, p. 347.

Moberg, R. 1986. The genus Physcia in East Africa. Nord. J. Bot. 6(6): 843-864.

----- 1990. The lichen genus Physcia in Central and South America. Nordic Journal of Botany 1:- 319-342.

Moore, J. A. 1932. A new species of *Parmelia* from Texas. Ann. Missouri Bot. Gard. 19: 503-504.

Motyka, J. 1936-38. Lichenum Generis Usnea Studium monographicum. Pars Systematica. Leopoli.

Müller, J. 1878. Lichenologische Beiträge VII. Flora 61: 481- 489.

----- 1881a. Lichenologische Beiträge XII. Flora 64: 81-88, 100-112.

----- 1881b. Lichenologische Beiträge XIII. Flora 64: 225-236.

----- 1882. Lichenologische Beiträge XV. Flora 65: 291-306, 316-322, 326-337, 381-386, 397-402.

----- 1883 Lichenologische Beiträge XVIII. Flora 66: 243-249, 271-274, 286-290, 304-306, 317-322, 330-338, 344-354.

----- 1884. Lichenologische Beiträge XIX. Flora 67: 268-274, 283-389, 299-306, 349=354, 396-402, 460-468.

----- 1885a. Lichenologische Beiträge XXI. Flora 68: 247-261, 324-326, 331-342, 343-356.

----- 1885b. Lichenologische Beiträge XXIV. Flora 69: 252-258, 286-290, 307-318.

----- 1887. Lichenologische Beiträge XXV. Flora 70: 56-64, 74-80.

----- 1888. Lichenologische Beiträge XXVII. Flora 71: 17-25, 44-48.

----- 1890a. Lichenes epiphylli novi. Genève, 22 pp.

----- 1890b. Lichenologische Beiträge XXXIII. Flora 73: 187-202.

----- 1894. Lichenes Eckfeldtiani a cl. Dr. J. W. Eckfeldt Philadelphiensi, praesertim in Mexico lecti, quos enumerat Dr. J. Müller. Bull. Herb. Boissier 2(2): 89-93.

----- 1895a. Lichenes exotici. III. Hedwigia 34: 27-38.

----- 1895b. Lichenes exotici. IV. Hedwigia 34: 139-145.

Nash, T. H. III. 19 . (Xanthoparmelia) (need to check!)

----- & T. J. Moser. 1982. J. Hattori Bot. Lab. (need to consult for this checklist?)

-----, G. T. Nebeker, T. J. Moser, and T. Reeves. 1979. Lichen vegetational gradients in relation to the Pacific Coast of Baja California: The maritime influence. Madroño 26(4): 149-163.

Nimis, P. L., J. Poelt and M. Tretiach. 1994. *Caloplaca wetmorei*, a new lichen species from western North America. The Bryologist 97(2): 182-185.

Nylander, W. 1858. Lichens collecti in Mexico a Fr. Mueller. Flora 41: 377-381.

----- 1863a. Lichenographiae Novo-Granatensis Prodromus. Acta Soc. Sc. Fenn. 7: 415-504.

----- 1863b. Lichenes in J. Triana and J. E. Planchon: Prodromus florae Novo-Granatensis. Ann. Sci Nat. IV, Bot., 19: 286-382.

- , 1868.
- , 1870. *Recognitio monographica Ramalinarum*. Bull. Soc. linn. Norm., II., 4: 101-180.
- , 1871. *Mexicanarum plantarum enumeratio. Lichenes*.
- , 1872. *Lichenes in E. Fournier: Cryptogamae Mexicana nuper a collectoribus expeditionis scientif. allatae aut in Museo Paris depositae*. Paris, pp. 1-6.
- , 1891. *Sertum Lichenaeae Tropicae e Labuan et Singapore*. Paris, 48 pp.
- Ohlsson, K. E. 1981 (1973?). A revision of the lichen genus *Sphaerophorus*. University Microfilms, Ann Arbor.
- Parmasto, E. 1978. The genus *Dictyonema* (*Theloporolichenes*). *Nova Hedwigia* 29: 99-144.
- Patron, E., Avula, N. & Guzmán, G. 1985. Los liquenes de la peninsula de Baja California, I. Las especies conocidas. *Revista Mexicana de Micología* 1: 451-463. (Need to see!)
- Poelt, J. 1974. Zur Kenntnis der Flechtenfamilie Candelariaceae. *Phyton* 16(1-4): 189-210.
- and T. H. Nash III. Studies in the Umbilicaria vellea group (Umbilicariaceae) in North America. *The Bryologist* 96(3): 422-430.
- and U. Pelleter 1984. Zwerchstrauchige Arten der Flechten gattung *Caloplaca*. *Pl. Syst. Evol.* 148: 51-88.
- Rabenhorst, . 1876.
- Riefner, R. E., Jr. & P. A. Bowler. 1994. *Ramalina baltica* and *Ramalina canariensis* in North America. *Mycotaxon* 51: 495-501.
- & -----, 1996? *Teloschistes sorediantha*: A new lichen from California. (In press?)
- Rio de la Loza, L., C. Craveri, A. L. Herrera & R. Ramirez. 1872. El liquen tintoreo de la Baja California. *Bol. Soc. Mex. Geogr. y Est.*, 2a època 4: 119-127.

- Ruiz Oronoz, M. 1937. Contribucion al conocimiento de los liquenes del Valle del Mezquital, Hidalgo. An. Inst. Biol. Unive. Natl. Mex. 8: 117-131.
- Rundel, P. W. 1978. Evolutionary relationships in the *Ramalina usnea* complex. Lichenologist 10: 141-156.
- and P. W. Bowler. 1974. The lichen genus *Trichrama-* *lina*. The Bryologist 77: 188-194.
- & ----- . 1976. *Ramalina leptocarpha* and *R. subleptocarpha*: A fertile-sorediate species pair. The Bryologist 79: 364-369.
- & ----- . 1978. *Niebla*, a new generic name for the genus *Desmazieria* (Ramalinaceae). Mycotaxon 6: 497-499.
- , -----, and T. W. Mulroy. 1972. A fog-induced lichen community from northwestern Baja California, with two new species of *Desmazieria*. The Bryologist 75: 501-508.
- Ryan, B. D. 1989. A monograph of *Lecanora* subg. *Placodium* sect. *Endochloris* (lichenized Ascomycotina). The Bryologist 92(4): 513-522.
- . 1989. A new species of *Lecanora* sect. *Dactylon* (lichenized Ascomycotina) from Mexico, with notes on other species of the section in North America. Crypt. Bot. 1: 243-248.
- . 1990. A study of *Lecanora valesiaca* (lichenized Ascomycotina), with notes on *L. dispersoareolata*, *L. albula*, and *Squamaria* subg. *Petroplaca* in North America. Nova Hedwigia 50(1-2): 81-96.
- and T. H. Nash III. 1989. *Lecanora* sect. *Petrasterion* (lichenized Ascomycotina) in North America: *Lecanora sonorae* Ryan & Nash, sp. nov. (subsect. *Pseudocorticatae*), from Mexico. Crypt. Bot. 1: 215-218.
- and ----- . 1993. *Lecanora* section *Placodium* (lichenized Ascomycotina) in North America: New taxa in the *L. garovaglii* group. The Bryologist 96(3): 288-298.
- and ----- . 1995. *Lecanora* sect. *Petrasterion* (lichenized Ascomycotina) in North America: *Lecanora pueblae* sp. nov., from Mexico and *Lecanora kofae* sp. nov., from Arizona. Mycotaxon 53: 479-488.

- Sánchez, O. 1958. Las excursiones botánicas en el Distrito Federal. Escuela Normal Superior, Mèxico, D. F.
- Santesson, R. 1942. The South American Cladinae. *Ark. f. Bot.* 30A(10): 1-27.
- 1952. Foliicolous Lichens I. A revision of the taxonomy of the obligately foliicolous, lichenized fungi. *Symb. Bot. Upsal.* 12(1): 1-590.
- Seeman, B. 1852-1857. The Botany of the Voyage of H. M. S. Herald under command of Captain Henry Kellett, R. N., C. B., during the years 1845-1851. London, 483 pp. (Mexican lichens on pp. 344-345).
- Sérusiaux, E. 1976. Some foliicolous lichens from the Farlow Herbarium. I. Occasional Papers of the Farlow Herbarium 10: 1- 21.
- 1983. Nomenclature du genre *Everniastrum* Hale (Lichenes: Parmeliaceae). *Taxon* 32(2): 295-297.
- Sharp, A. J. 1966. Some aspects of Mexican Phytogeography (Algunos aspectos de la Fitogeografia Mexicana). *Ciencia, Mex.* 24(5-6): 229-232.
- Sheard, J. W. 1974. The genus *Dimelaena* in North America north of Mexico. *The Bryologist* 77(2): 128-141.
- 1977. Paleogeography, chemistry and taxonomy of the Lichenized Ascomycetes *Dimelaena* and *Thamnolia*. *The Bryologist* 80(1): 100-118.
- 1992. (Hafellia). *The Bryologist* 95:
- +Sipman, H. J. M. 1983. A monograph of the lichen family Megalosporaceae. *Bibliotheca Lichenologica* 18. J. Cramer, Vaduz.
- 1993. *Lichenotheca Latinoamericana a museo botanico berolinensi edita, fasciculum secundum. Willdenowia* 23: 305-314.
- Spjut, R. W. 1995. *Vermilacina* (Ramalinaceae, Lecanorales), a new genus of lichens. Pages 337-351 in: Daniels, J. A., et al. (eds.), Flechten Follmann. Contributions to Lichenology in Honour of Gerhard Follmann. Geobatoanical and Phytotaxonomical Study Group, Cologne, Germany.
- Occurrence of *Mobergia calculiformis* (Physciaceae, Lecanorales) in the northern Vizcaino Desert of Baja California, Mexico. Pages 475-482 in: Daniels, J. A., et al. (eds.), Flechten Follmann. Contributions to Lichenology in Honour of

Gerhard Follmann. Geobatoanical and Phytotaxonomical Study Group, Cologne, Germany.

+Staiger, B. & S. Kalb. 1995. Haematomma-studien I. Die Flechtengattung Haematomma. *Bibliotheca Lichenologica* 59. J. Cramer, Berlin, Stuttgart.

Stenroos, S. 1989. *Annales Bot. Fenn.* 26: 237-261.

Swinscow, T. D. V. and H. Krog. 1976. The genera Anaptychia and Heterodermia in east Africa. *Lichenologist* 8: 103-138.

Tehler, A. 1983. The genera Dirina and Roccellina (Roccellaceae). *Opera Botanica* 70: 1-86.

----- 1986. *Dirina paradoxa* (Fée) Tehler, the correct name for *Dirina approximata* Zahlbr. *Lichenologist* 18: 295-296

-----, G. B. Feige and H. T. Lumbsch. 1995. *Dirina mexicana*, a new species from the Sonoran Desert of Mexico. *Lichenologist* 27(4): 255-259.

Thomson, J. W. 1963. The Lichen Genus Cladonia in North America. University of Toronto Press, Toronto.

----- 1963. The genus Physcia in North America. Cramer, Wienheim.

----- 19 . The genus Baeomyces in North America

----- 1987. The lichen genera Catapyrenium and Placiopsis in North America. *The Bryologist* 90: 27-39. (Need to check!)

----- 1989. Additions and a revised key to Catapyrenium in North America. *The Bryologist* 92: 190-193.

----- and T. H. Nash III. 1976. Three new lichens from the Southwest: *Xanthoria concinna* sp. nov., *Lecanora collatolica* sp. nov. and *Toninia conglomerata*. *The Bryologist* 79(3): 350-353.

Thor, G. 1991. The placement of *Chiodecton sanguineum* (syn. *Chiodecton rubrotinctum*), and *Cryptothecia striata* sp. nov. *The Bryologist* 94: 278-283.

Tibell, L. 1976. The genus Thelomma. *Botaniska Notiser* 129: 221-249.

----- and K. Kalb. 1992. Calcium in the tropical and subtropical Americas. *Nova Hedwigia* 55: 11-36.

Timdal, E. 1986. A revision of *Psora* (Lecideaceae) in North America. *The Bryologist* 89(4): 253-275.

----- 1992. A monograph of the genus *Toninia* (Lecideaceae, Ascomycetes). *Opera Botanica* 110: 1-137.

Tomaselli, R. 1951. Notes sur les Basidiolichens. *Rev. Bryol. et Lichénol.*, fasc. 1-2, 20: 212-214.

Triebel, D., G. Rambold & T. H. Nash III. 1991. On lichenicolous fungi from continental North America. *Mycotaxon* 42: 263-296.

Tuckerman, E. 1872. *Genera Lichenum*: an arrangement of the North American lichens. Amherst, 283 pp.

----- 1882. A synopsis of the North American lichens. Part I. Boston, 262 pp.

----- 1888. A synopsis of the North American lichens. Part II. New Bedford, 176 pp.

Ulloa, & Hanlin. 1978. (cited by Guzmán, 1988)

Uyenco, F. R. 1963. The species of *Coenogonium* in the United States. *The Bryologist* 66: 217-224. (This publication does not cite Mexican species; there must be another one that does)

Vainio, E. 1887. *Monographia Cladoniarum Universalis*. I. *Acta Soc. Faun. Fl. Fenn.* 4: 1-510.

----- *Monographia Cladoniarum Universalis*. II. *Acta Soc. Faun. Fl. Fenn.* 10: 1-499.

----- 1926. *Lichenes Mexicani a F. M. Liebmann annis 1841- 1843 collecti, in Museo Hauniensi asservati*. *Dansk Botanisk Arkiv*. 4(11): 1-25. Vänskä, H. 1986. *Lecanora vainioi* and *L. ahtii*, two new lichen species from Brazil, compared with five allied species. *Ann. Bot. Fennici* 23: 121-141.

Vargas Lopez, V. R. 1973 (unpublished). Estudio taxonomico de los liquenes más comunes del centro del Estado de Nuevo Leon, México. Tesis Profesional. Univ. Aut. de Nuevo Leon.

- Verseghy, K. 1962. Die Gattung Ochrolechia. J. Cramer, Weinheim.
- Villanueva, B. T. 1983. Contribucion al conocimiento de los liquenes del Estado de Guerrero. Tesis Profesional, Univ. Aut. de Guerrero, 77 pp., Chilpancingo.
- Weber, W. 1964. A bizarre new species of *Rinodina* (lichenized fungi) from Guadalupe Island, Mexico. *The Bryologist* 67: 473- 476. (Need to add to list!)
- 1965. *Hubbsia*, a new genus of Rocellaceae (Lichenized Fungi) from Mexico. *Svensk Botnisk Tideskrift* 5((1): 59-66.
- 1968. A taxonomic revision of *Acarospora* subgenus *Xanthothallia*. *Lichenologist* 4: 16-31. (need to consult?) ----- 1971. four new species of *Buellia* (Lichenes) from western North and South America. *The Bryologist* 74(2): 181-194.
- 1979. Lichenes exsiccati distributed by the University of Colorado, Fasc. 14-15 (no. 521-600).
- 1981. Lichenes exsiccati distributed by the university of Colorado Museum, Boulder, Fascicles 1-15, Nos. 1-600, 1961- 1979. *Mycotaxon* 13(1): 85-104.
- 19 . (An excursion to Guadalupe Island...) (need to add species from this!)
- 1993. The lichen flora of Guadalupe Island, Mexico. pages 65-71 in: Hochberg, F. J. (ed.), Recent Advances in Research on the California Islands. Santa Barbara Museum of Natural History, Santa Barbara.
- and T. H. Nash III. 1992. *Biatorella clauzadeana* in North America. *Lichenologist* 24: 101-103.
- Welden, A. L. & G. Guzmán. 1978. Lista preliminar de los hongos, liquenes Y mixomicetos de las regiones de Uxpanapa, Coatacoalcos, Los Tuxtlas, Paplopan y Xalapa (parte de los Estados de Veracruz y Oaxaca). *Bol. Soc. Mex. Mic.* 12: 59-102.
- Welden, A. L., L. Dávalos & G. Guzmán. 1979. Segunda lista de los hongos, liquenes y mixomicetos de las regiones de Uxpanapa, Coatzacoalcos, Los Tuxtlas, Papalopan y Xalapa (México). *Bol. Soc. Mex. Mic.* 13: 151-161.
- Wetmore, C. M. 1960. The lichen genus *Nephroma* in North and Middle America. *Publ. Mus., Michigan State Univ. Biol. Ser.* 1:369-452. ----- 1970. The lichen family Heppiaceae in North America. *Ann. Mo. Bot. Gard.* 57; 158-209.

- 1994. The lichen genus *Caloplaca* in North and Central America with brown or black apothecia. *Mycologia* 86: 813-838.
- Williams, T. A. 1895. Notes on Mexican lichens. I. *Am. Naturalist* 29: 480-485.
- Wirth, M. and M. E. Hale, Jr. 1963. The lichen family Graphidaceae in Mexico. Contributions from the United States National Herbarium 36: 63-119.
- and ----- 1978. Morden-Smithsonian Expedition to Dominica: The Lichens (Graphidaceae). Smithsonian Contributions to Botany No. 40.
- Yoshimura, I. 1967. Masters Thesis (need photocopy of the text, not just the keys; more records are in the text).
- 1968. Lichenological notes. 1. Some species of *Cladonia* with taxonomic problems. *Journ. Hattori Bot. Lab.* 31: 198-204.
- 1968. The phytogeographical relationships between the Japanese and North American species of *Cladonia*. *Journ. Hattori Bot. Lab.* 31: 227-246.
- 1984. Taxonomic studies on *Lobaria crenulata* and its allies. *Journ. Hattori Bot. Lab.* 57: 97-126.
- and A. J. Sharp. 1967. Interesting records of southern Appalachian and Mexican Lichens. *ASB Bulletin* 14(2): 46.
- and ----- 1968. Some lichens from the southern Appalachians and Mexico. *The Bryologist* 71(2): 108-113.
- Zahlbruckner, A. 1912. Lichenes in H. Ross, Contributions ... la flore du Mexique avec la collaboration de sp cialistes. Mem. Socied. cientif. "Antonio Alzate" 32: 170-172.
- 1921. Neue Flechten IX. *Ann. Myc.* 19: 224-242.
- 1931. Catalogus Lichenum Universalis. Band 7. Leipzig. ADD:
- . 1969. *Bol. Soc. Mex. Mic.* 3: (cited by Guzm n, 1988)