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101. *Asahinea chrysantha* (TUCK.) W. L. CULB. & C. F. CULB.
in *Brittonia* 17:184. 1965.
JAPAN. Hokkaido. Prov. Ishikari: Mt. Kuro-dake, Daisetsu Mts. On rocks.
August 28, 1972
Coll.: S. KUROKAWA (no. 72076) Det.: S. KUROKAWA
102. *Cetrelia braunsiana* (MÜLL. ARG.) W. L. CULB. & C. F. CULB.
in *Contr. U.S. Nat. Herb.* 34:493. 1968.
JAPAN. Honshu. Prov. Echigo (Pref. Niigata): Kitta, Arakawa-cho, Iwafune-gun.
October 11, 1952
Coll.: M. TOGASHI Det.: K. H. MOON
103. *Cetrelia chicitae* (W. L. CULB.) W. L. CULB. & C. F. CULB.
in *Contr. U.S. Nat. Herb.* 34:504. 1968.
JAPAN. Honshu. Prov. Shinano: W slope of Mt. Tateshina, Tateshina-cho, Kitasaku-gun.
On bark of *Alnus hirsuta*; elevation 1670–1760 m. July 2, 1997
Coll.: Y. OHMURA (no. 3339) Det.: Y. OHMURA
104. *Collema complanatum* HUE
in *J. Bot.* 20:22. 1906.
JAPAN. Kyushu. Prov. Buzen (Pref. Fukuoka): Mt. Hikosan, Soeda-cho, Tagawa-gun.
On bark of *Acer mono*; elevation about 700 m. October 9, 1996
Coll.: H. KASHIWADANI (no. 40038) & Y. UMEZU Det.: H. KASHIWADANI
105. *Collema complanatum* HUE
in *J. Bot.* 20:22. 1906.
JAPAN. Honshu. Prov. Echigo (Pref. Niigata): Kitta, Arakawa-cho, Iwafune-gun.
On bark of *Alnus japonica*. January 20, 1956
Coll.: M. TOGASHI (no. 139) Det.: H. KASHIWADANI
106. *Collema leptaleum* TUCK.
in *Proceed. Amer. Acad. Arts & Sc.* 6:263. 1864.
JAPAN. Kyushu. Prov. Bungo (Pref. Ohita): Shingai, Tsukinoki, Yamakuni-cho, Shimoge-
gun. On rocks along river; elevation about 330 m. March 3, 1997
Coll.: Y. OHMURA (no. 2961) Det.: Y. OHMURA
107. *Collema subflaccidum* DEGEL.
in *Symb. Bot. Ups.* 20:140. 1974.
JAPAN. Honshu. Prov. Echigo (Pref. Niigata): Sasahara, Yatsuo-cho, Kamishinkawa-gun.
On rock with mosses. April 23, 1957
Coll.: M. TOGASHI Det.: H. KASHIWADANI

108. *Crocynia gossypina* (Sw.) A. MASSAL.
in Atti, I.R. Istit. Veneto, ser. 3, 5:252. 1860.
JAPAN. Kyushu. Prov. Ohsumi (Pref. Kagoshima): 5 km S of Miyanoura, Shirotani-Unsuikyo Gorge, Kamiyaku-cho, Yakushima Island. On tree bark; elevation 640–700 m.
February 4, 1995
Coll.: H. KASHIWADANI (no. 38788) Det.: H. KASHIWADANI
109. *Heterodermia boryi* (FÉE) Kr. P. SINGH & S. R. SINGH
in Geophytology 6:33. 1976.
FORMOSA. Prov. Nantou: Tayulin, Jenai. On rocks; elevation about 2600 m.
August 2, 1985
Coll.: K. YOSHIDA (no. 6872) Det.: H. KASHIWADANI
110. *Hypogymnia vittata* (ACH.) GAS.
in Act. Soc. Linn. Bordeaux 53:66. 1898.
JAPAN. Honshu. Prov. Musashi (Pref. Saitama): Karisaka Pass, Chichibu-gun.
On tree bark; elevation about 1900 m. May 24, 1970
Coll.: M. TOGASHI & S. KUOKAWA Det.: K. YOSHIDA
111. *Hypotrachyna incognita* (KUROK.) HALE
in Phytologia 28:341. 1974.
JAPAN. Honshu. Prov. Shinano (Pref. Nagano): Mt. Takabottchi, Shiojiri-city.
On twigs of *Pinus densiflora*; elevation about 1600 m. May 28, 1987
Coll.: H. KASHIWADANI (no. 34428) Det.: H. KASHIWADANI
112. *Lecanora cinereofusca* H. MAGN.
in Meddel. Goteborgs Bot. Tradg. 7:86. 1932.
JAPAN. Honshu. Prov. Iwami: Mt. Sanbe, Ohda-city. On bark of *Carpinus laxiflora*;
elevation about 700 m. July 19, 1968
Coll.: H. KASHIWADANI (no. 5499) Det.: H. KASHIWADANI
[TLC: atranorin and pannarin.]
113. *Lecanora lecanactina* ZAHLBR.
in Bot. Mag. Tokyo 41:344. 1927.
JAPAN. Honshu. Prov. Ugo: Doroyu Hot Spring, Mt. Kurikoma, Yuzawa-city.
On bark of *Fagus crenata*; elevation about 650 m. July 15, 1975
Coll.: K. YOSHIDA (no. 3335) Det.: H. MIYAWAKI
[TLC: atranorin and zeorin.]
114. *Lobaria retigera* (BORY) TREVIS.
in Lich. Venet. no. 75. 1869.
CHINA. Jiang Ci Sang: En route from Li Jia Wu Chang to Shi Hua Jian. On rocks
with mosses; elevation about 1080 m. July 5, 1995
Coll.: H. KASHIWADANI (no. 38889) Det.: H. KASHIWADANI
115. *Menegazzia asahinae* (YASUDA) R. SANT.
in Ark. Bot. 30A:14. 1943.
JAPAN. Honshu. Prov. Shinano (Pref. Nagano): En route from Gyozyo-goya to Minotosanso, Yatsugatake Mts., Chino-city. On bark of *Abies veitchii*; elevation 2000–2300 m. August 29, 1997
Coll.: Y. OHMURA (no. 3811), H. SHIBUCHI & K. YOSHIDA Det.: Y. OHMURA

116. *Peltigera polydactyla* (NECK.) HOFFM.
in Cat. Lich. Univ. 3:475. 1925.
JAPAN. Honshu. Prov. Shinano (Pref. Nagano): Nyukasa Pasture Land, NW slope of Mt. Nyukasa, Takato-cho, Kamiina-gun. On humus; elevation about 1780 m. June 30, 1997
Coll.: Y. OHMURA (no. 3227) et al. Det.: Y. OHMURA
117. *Perforaria cucurbitula* (MONT.) MÜLL.ARG.
in Nouv. Giorn. Bot. Ital. 23:126. 1891.
JAPAN. Honshu. Prov. Yamato (Pref. Nara): Mt. Hinode-dake, Ohdaigahara Mts., Yoshino-gun. On bark of *Picea* sp.; elevation about 1650 m. July 25, 1977
Coll.: H. SHIBUICHI (no. 5420) Det.: H. SHIBUICHI
118. *Polychidium dendriscum* (NYL.) HENSSEN
in Symb. Bot. Ups. 18:107. 1963.
JAPAN. Kyushu. Prov. Ohsumi (Pref. Kagoshima): The path from the lake Fudo-ike to the lake Mi-ike, Kirishima Mts. Elevation about 1260 m. October 24, 1994
Coll.: H. KASHIWADANI (no. 38601) Det.: H. KASHIWADANI
119. *Pseudevernia consocians* (VAIN.) HALE & W. L. CULB.
in Bryologist 69:165. 1966.
MEXICO. Estado de Durango: Sierra Madre Occidental, 9 km WSW of El Salta, NW facing hillside with scattered rock outcrops (23°45'N, 105°25'W). On bark of *Pinus* sp.; elevation about 2550 m. May 26, 1992
Coll.: H. KASHIWADANI (no. 37323) Det.: H. KASHIWADANI
120. *Pseudevernia consocians* (VAIN.) HALE & W. L. CULB.
in Bryologist 69:165. 1966.
MEXICO. Estado de Durango: Sierra Madre Occidental, 9 km WSW of El Salta, NW facing hillside with scattered rock outcrops (23°45'N, 105°25'W). On bark of *Pinus* sp.; elevation about 2550 m. May 26, 1992
Coll.: H. KASHIWADANI (no. 37154) Det.: H. KASHIWADANI
121. *Ramalina almquistii* VAIN.
in Ark. Bot. 8:17. 1909.
JAPAN. Hokkaido. Prov. Kitami: Momo-iwa escarpment, Rebun Island. On rocks; elevation about 240 m. August 14, 1970
Coll.: K. TAKAHASHI (no. 1048) Det.: H. KASHIWADANI
122. *Siphura coriacea* TAYLOR ex NYL.
in Syn. Lich. 1:263. 1860.
AUSTRALIA. Western Australia: Karagullen. On soil with mosses. December 14, 1967
Coll.: H. KASHIWADANI (no. 4612) Det.: H. KASHIWADANI
123. *Thyrea hondoana* ZAHLBR.
in Ann. Mycol. 29:79. 1931.
JAPAN. Kyushu. Prov. Bungo (Pref. Ohita): Kosedo, Kusamoto, Yamakuni-cho, Shimogegun. On rocks along river; elevation about 300 m. March 3, 1997
Coll.: Y. OHMURA (no. 2971) Det.: Y. OHMURA

124. *Thysanothecium scutellatum* (FR.) D. J. GALLOWAY
in *Nova Hedwigia* 36:390. 1983.
JAPAN. Honshu. Prov. Tohtomi: Sanjakubo, Mt. Akiha, Haruno-cho, Shuchi-gun.
On bark of *Cryptomeria japonica*; elevation about 700 m. January 24, 1995
Coll.: H. KASHIWADANI (no. 38037) & F. KONTA Det.: H. KASHIWADANI
125. *Umbilicaria neoproboscidea* WEI & JIAN
in *Mycosyst. Monogr.* 1:158. 1993.
JAPAN. Hokkaido. Prov. Ishikari: Around the summit of Mt. Tomuraushi, Daisetsu Mts.,
Biei-cho, Kamikawa-gun. On rocks; elevation 2090 m. July 24, 1997
Coll.: Y. OHMURA (no. 3597) Det.: Y. OHMURA