

LICHENES MINUS COGNITI EXSICCATI

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Abstract: The fascicle XXVII, nos. 651–675, of *Lichenes Minus Cogniti Exsiccati* is distributed on exchange from the National Museum of Nature and Science (TNS) to B, BG, C, CANB, CANL, DUKE, F, G, GZU, H, KRAM, M, NY, O, S, UPS, US, W, WIS, hb. Kalb, and hb. Seaward. The primary set resides at TNS.

Fasc. XXVII (Nos. 651–675)

February 25, 2021

651. **Baeomyces placophyllus** ACH.

Methodus, Sectio Post.: 323. 1803.

JAPAN. Honshu. Shinano Prov. (Nagano Pref.): Azusagawa, Matsumoto-city. On rock.

August 12, 1964

Coll.: M. NUNO

Det.: Y. OHMURA

652. **Bryoria capillaris** (ACH.) BRODO & D. HAWKSW.

Opera Bot. 42: 115. 1977.

RUSSIA. Altaisky krai. Smolensky District. Cherginsky Range: at 15 km SE of Belokuriha City, headwaters of Chernovaya River, *Abies sibirica* forest with a number of deadwood (N51°54'10", E84°49'14"). On bark of *Abies* sp.; elevation 700 m. July 11, 2016

Coll.: Y. OHMURA, no. 13447

Det.: E. A. DAVYDOV

653. **Calicium hyperelloides** NYL.

Syn. Meth. Lich. 1: 153. 1860.

JAPAN. Honshu. Shinano Prov. (Nagano Pref.): Mt. Kai-Komagatake, Kami-Ina-gun.

On weathered wood; elevation about 2600 m. July 30, 1979

Coll.: S. KUROKAWA, no. 79082

Det.: Y. OHMURA

654. **Cladonia coniocraea** (FLÖRKE) SPRENG.

Syst. Veg. 4: 272. 1827.

JAPAN. Honshu. Iwashihiro Prov. (Fukushima Pref.): Ozegahara, Oze National Park, Hinoemata-mura, Minamiaizu-gun (N36°56'05", E139°15'06"). On trunk base of *Alnus* sp.; elevation 1408 m. October 15, 2019

Coll.: Y. OHMURA, no. 13015A

Det.: Y. OHMURA

655. **Cladonia gracilis** (L.) WILLD. subsp. **turbinata** (ACH.) AHTI

Ann. Bot. Fenn. 17: 212. 1980.

JAPAN. Honshu. Shinano Prov. (Nagano Pref.): Azusayama, Minamisaku-gun.

On humus. August 11, 1964

Coll.: M. NUNO

Det.: Y. OHMURA

*https://www.kahaku.go.jp/research/db/botany/cryptogamie_exsiccatae/lichens/index.html

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656. **Cladonia kanewskii** OXNER
 Ukr. Bot. Zhurn. 3: 9. 1926.
 JAPAN. Honshu. Shinano Prov. (Nagano Pref.): Azusayama, Minamisaku-gun.
 On humus. August 11, 1964
 Coll.: M. NUNO Det.: M. NUNO
657. **Cladonia krempelhuberi** (VAIN.) ZAHLBR.
 Cat. Lich. Univers. 4: 552. 1927.
 JAPAN. Honshu. Echigo Prov. (Niigata Pref.): Gomisawa, Ohshirokawa, Irihiro-se-mura,
 Kita-Uonuma-gun. On humus; elevation 700 m. July 19, 1977
 Coll.: H. IZUMI Det.: Y. OHMURA
658. **Cladonia krempelhuberi** (VAIN.) ZAHLBR.
 Cat. Lich. Univers. 4: 552. 1927.
 JAPAN. Honshu. Kai Prov. (Yamanashi Pref.): en route from Kagosaka Pass to
 Mt. Ohora, Yamanakako-mura, Minamitsuru-gun. On humus; elevation about 1300 m.
 February 27, 1977
 Coll.: M. NUNO Det.: Y. OHMURA
659. **Cladonia kurokawae** AHTI & S. STENROOS
 in Ahti *et al.*, Mycosystema 8/9: 54. 1996.
 JAPAN. Honshu. Uzen Prov. (Yamagata Pref.): Asahi Mts, Nishimurayama-gun
 (N38°14'25", E139°59'44"). On soil; elevation 524 m. October 14, 2015
 Coll.: Y. OHMURA, no. 12970 Det.: Y. OHMURA
 Note: Pino-Bodas *et al.* (2013) treated *C. kurokawae* as a synonym of *C. subconistea*
 Asahina based on the result of multi-locus phylogenetic analysis even though these taxa
 are clearly distinguished by the morphology and chemistry: i.e., the propagules are
 granules for *C. kurokawae* vs. farinose soredia for *C. subconistea*, and the chemistry is
 atranorin and fumarprotocetraric acid for *C. kurokawae* vs. atranorin and psoromic acid
 for *C. subconistea*. However, there is still a possibility that fine scale molecular phylogenetic
 analyses using e.g. microsatellite and RADseq methods will show the differences between
 these taxa, as in the examples for recently speciated taxa like *Usnea antarctica* Du Rietz
 and *U. aurantiacoatra* (Jacq.) Bory (Grewe *et al.*, 2018; Lagostina *et al.*, 2018).
660. **Cladonia ochrochlora** FLÖRKE
 De Cladon.: 75. 1828.
 JAPAN. Honshu. Iwashiro Prov. (Fukushima Pref.): Oze-gahara, Oze National Park,
 Hinoemata-mura, Minamiaizu-gun (N36°56'05", E139°15'06"). On trunk base of *Alnus* sp.;
 elevation 1408 m. October 15, 2019
 Coll.: Y. OHMURA, no. 13015B Det.: Y. OHMURA
661. **Cladonia rangiferina** (L.) WEBER ex F.H. WIGG. subsp. **grisea** AHTI
 Ann. Bot. Soc. Zool. Bot. Fenn. "Vanamo" 32(1): 96. 1961.
 JAPAN. Honshu. Echigo Prov. (Niigata Pref.): Ohshirokawa, Irihiro-se-mura, Kita-
 Uonuma-gun. On humus; elevation 600 m. July 19, 1977
 Coll.: H. IZUMI Det.: Y. OHMURA

662. **Cladonia straminea** (SOMMERF.) FLÖRKE
 De Cladon.: 87. 1828.
 JAPAN. Honshu. Etchu Prov. (Toyama Pref.): Mt. Etchuzawa-dake, Kami-Niikawa-gun.
 Elevation about 2500 m. August 6, 1970
 Coll.: M. NUNO & M. TOGASHI Det.: M. NUNO
663. **Cladonia turgida** EHRH. ex HOFFM.
 Deutschl. Fl.: 124. 1796.
 JAPAN. Honshu. Shinano Prov. (Nagano Pref.): around the summit of Mt. Shirouma-Norikura. On rock; elevation 2450 m. October 16, 1977
 Coll.: M. NUNO & H. IZUMI Det.: M. NUNO
664. **Dibaeis arcuata** (STIRT.) KALB & GIERL
 in Gierl & Kalb, Herzogia 9: 617. 1993.
 JAPAN. Honshu. Shinano Prov. (Nagano Pref.): Azusagawa, Mt. Kokushi, Minamisaku-gun. On soil. August 12, 1964
 Coll.: M. NUNO Det.: Y. OHMURA
665. **Icmadophila ericetorum** (L.) ZAHLBR.
 Wiss. Mitt. Bosn. Herzeg. 3: 605. 1895.
 JAPAN. Honshu. Shinano Prov. (Nagano Pref.): Jumonji Pass, Minamisaku-gun. On bark.
 August 13, 1964
 Coll.: M. NUNO Det.: Y. OHMURA
666. **Nephroma helveticum** ACH. f. **caespitosum** ASAHINA
 J. Jpn. Bot. 37: 261. 1962.
 JAPAN. Honshu. Shinano Prov. (Nagano Pref.): Hacchozaka, en route from Azusayama to Jumonji Pass, Minamisaku-gun. August 13, 1964
 Coll.: M. NUNO Det.: M. NUNO
667. **Peltigera horizontalis** (HUDS.) BAUMG.
 Fl. Lips.: 562. 1790.
 JAPAN. Honshu. Shinano Prov. (Nagano Pref.): Azusagawa, Mt. Kokushi, Minamisaku-gun. August 12, 1964
 Coll.: M. NUNO Det.: M. NUNO
668. **Ramalina kurokawae** KASHIW.
 Bull. Natl. Sci. Mus., Tokyo, Ser. B 22: 55. 1996.
 JAPAN. Kyushu. Bungo Prov. (Ohita Pref.): Byobuiwa, Tashibuosaki, Bungotakada-city.
 On rock; elevation 130 m. May 26, 2019
 Coll.: K. UMEZU, no. 17 Det.: H. KASHIWADANI
669. **Ramalina peruviana** ACH.
 Lich. Univ.: 599. 1810.
 JAPAN. Kyushu. Bungo Prov. (Ohita Pref.): Fujin-iwa near Monjusen Temple, Kunimi, Kunisaki-city. On rock; elevation 380 m. May 26, 2019
 Coll.: K. UMEZU, no. 14 Det.: H. KASHIWADANI

670. **Ramalina semicuspidata** (RÄSÄNEN) SHEARD
 Can. J. Bot. 56: 936. 1978.
 JAPAN. Kyushu. Satsuma Prov. (Kagoshima Pref.): Nakanoshioya, Minamitane-cho, Kumage-gun, Tanegashima Island (N30°25', E130°51'). On rock (face to ESE) along the coast; elevation 3 m. September 30, 2005
 Coll.: H. KASHIWADANI, no. 47727 Det.: H. KASHIWADANI
671. **Ramalina yasudae** RÄSÄNEN
 J. Jpn. Bot. 16: 87. 1940.
 JAPAN. Kyushu. Bungo Prov. (Ohita Pref.): Mumyobashi near Tennen-ji Temple, Nagaiwaya, Bungotakada-city. On rock; elevation 120 m. May 12, 2019
 Coll.: K. UMEZU, no. 8 Det.: H. KASHIWADANI
672. **Sphaerophorus meiophorus** (NYL.) VAIN.
 Bot. Mag., Tokyo 35: 74. 1921.
 JAPAN. Honshu. Kai Prov. (Yamanashi Pref.): Oniwa, 5-gome, Mt. Fuji. July 21, 1961
 Coll.: M. TOGASHI Det.: Y. OHMURA
673. **Stereocaulon vesuvianum** PERS.
 Ann. Wetter. Gesellsch. Ges. Naturk. 2: 19. 1811.
 JAPAN. Honshu. Shinano Prov. (Nagano Pref.): W side of Mt. Kuruma-yama, Kirigamine. On rock; elevation about 1600 m. November 2, 1969
 Coll.: M. NUNO & M. TOGASHI Det.: M. NUNO
674. **Umbilicaria esculenta** (MIYOSHI) MINKS
 Mém. Herb. Boissier 22: 22. 1900.
 JAPAN. Honshu. Kai Prov. (Yamanashi Pref.): on the way to Fujimi-daira (N35°52', E138°34'). On exposed rock; elevation about 1700 m. September 26, 1976
 Coll.: M. NUNO, H. IZUMI & M. TOGASHI Det.: Y. OHMURA
675. **Xanthoparmelia camtschadalis** (ACH.) HALE
 Phytologia 28: 486. 1974.
 RUSSIA. Republic of Altai. Ongudaysky District. Terektinsky Range: along Chuyskiy Trakt, Stoyanka U Katuni (N50°34'48", E86°31'26"). On soil; elevation 720 m. July 2, 2016
 Coll.: Y. OHMURA, no. 13208 Det.: E. A. DAVYDOV

References

- Grewe, F., Lagostina, E., Wu, H., Printzen, C. and Lumbsch, H. T. 2018. Population genomic analyses of RAD sequences resolves the phylogenetic relationship of the lichen-forming fungal species *Usnea antarctica* and *Usnea aurantiacoatra*. *MycKeys* 43: 91–113.
- Lagostina, E., Dal Grande, F., Andreev, M. and Printzen, C. 2018. The use of microsatellite markers for species delimitation in Antarctic *Usnea* subgenus *Neuropogon*. *Mycologia* 110: 1047–1057.
- Pino-Bodas, R., Ahti, T., Stenroos, S., Martín, M. P. and Burgaz, A. R. 2013. Multilocus approach to species recognition in the *Cladonia humilis* complex (Cladoniaceae, Ascomycota). *American Journal of Botany* 100(4): 664–678.