

**BRYOPHYTES OF ASIA**

Fasc. 23 (2016) Edited by T. Yamaguchi and T. Katagiri

- 551 **Anomodon longinervis** Broth. Japan. Honshu, Shizuoka-ken, Shizuoka-shi, Southern Alps, Mt. Akaishi, 35°26'24.43"N, 138°11'57.30"E, 1,740 m alt., on boulder. 12 September 2016, coll. K. Kiryu, det. T. Yamaguchi.
- 552 **Brachythecium trichomitrium** (Dixon & Thér.) Huttunen, Ignatov, Min Li & Y.F.Wang Japan. Honshu, Shizuoka-ken, Shizuoka-shi, Southern Alps, Mt. Akaishi, 35°27'13.65"N, 138°11'11.59"E, 2,391 m alt., on boulder. 12 September 2016, coll. K. Kiryu, det. T. Yamaguchi.
- 553 **Bryoxiphium norvegicum** (Brid.) Mitt. subsp. **japonicum** (Berggr.) Á.Löve & D.Löve Japan. Honshu, Shizuoka-ken, Shizuoka-shi, Southern Alps, Mt. Arakawa, 35°26'12.53"N, 138°12'23.83"E, 1,134 m alt., on limestone. 6 September 2016, coll. & det. K. Kiryu, ver. T. Yamaguchi.
- 554 **Climacium japonicum** Lindb. Japan. Honshu, Nagano-ken, Shimoina-gun, Oshika-mura, Southern Alps, Shiokawa River, 35°34'17.37"N, 138°06'39.13"E, 1,350 m alt., on moist humus. 11 August 2015, coll. & det. T. Yamaguchi 35622.
- 555 **Dicranum flagellare** Hedw. Japan. Honshu. Nara-ken, Yoshino-gun, Kamikitayama-mura, Nishihara, Amagase, 34°12'00"N, 135°58'49"E, ca. 600 m alt., on decorticated rotten log. 27 July 2014, coll. & det. H. Deguchi 38656.
- 556 **Dicranum majus** Turner Japan. Honshu, Yamanashi-ken, Minami-Alps-shi, Mt. Kitadake, Hirogawara – Shiraneoiike, 35°41'18.85"N, 138°15'08.35"E, 2,170 m alt., on humus. 13 September 2015, coll. Y. Sakamoto, det. T. Sato.
- 557 **Dicranum scoparium** Hedw. Japan. Honshu, Shizuoka-ken, Shizuoka-shi, Southern Alps, Mt. Arakawa, 35°26'23.67"N, 138°12'48.22"E, 1,380 m alt., on boulder. 6 September 2016, coll. K. Kiryu, det. T. Yamaguchi.
- 558 **Hylocomiastrum umbratum** (Hedw.) M.Fleisch. ex Broth. Japan. Honshu, Shizuoka-ken, Shizuoka-shi, Southern Alps, Mt. Arakawa. 6 September 2016, coll. K. Nishihata, det. T. Yamaguchi.
- 559 **Hypnum oldhamii** (Mitt.) A.Jaeger Japan. Honshu, Shizuoka-ken, Shizuoka-shi, Southern Alps, Mt. Akaishi, 35°26'29.52"N, 138°11'49.77"E, 1,859 m alt., on log. 12 September 2016, coll. K. Kiryu, det. T. Yamaguchi.
- 560 **Pleurozium schreberi** (Brid.) Mitt. Japan. Honshu, Yamanashi-ken, Minami-Alps-shi, Mt. Kitadake, Hirogawara – Shiraneoiike, 35°41'18.85"N, 138°15'08.35"E, 2,170 m alt., on humus. 13 September 2015, coll. Y. Sakamoto, det. T. Sato.
- 561 **Pogonatum contortum** (Brid.) Lesq. Japan. Honshu, Shizuoka-ken, Shizuoka-shi, Southern Alps, Mt. Akaishi, 35°27'14"N, 138°11'05.77"E, 2,496 m alt., on humus. 12 September 2016, coll. & det. K. Kiryu, ver. T. Yamaguchi.
- 562 **Pogonatum spinulosum** Mitt. Japan. Honshu, Hiroshima-ken, Shobara-shi, 35°01'21.0"N, 132°55'28.5"E, ca. 100 m alt., on soil. 21 June 2015, coll. & det. Y. Sakamoto, ver. T. Yamaguchi.

- 563 **Polytrichastrum formosum** (Hedw.) G.L.Sm. Japan. Yamanashi-ken, Minami-Alps-shi, Mt. Kitadake, Hirogawara – Shiraneoiike, 35°41'18.85"N, 138°15'08.35"E, 2,170 m alt., on soil. 13 September 2015, coll. Y. Sakamoto, det. T. Sato.
- 564 **Pseudobryum speciosum** (Mitt.) T.J.Kop. Japan. Honshu, Yamanashi-ken, Minami-Alps-shi, Mt. Kitadake, Hirogawara – Shiraneoiike, 35°41'18.85"N, 138°15'08.35"E, 2,170 m alt., on humus. 13 September 2015, coll. Y. Sakamoto, det. T. Sato.
- 565 **Sanionia uncinata** (Hedw.) Loeske Japan. Honshu, Shizuoka-ken, Shizuoka-shi, Southern Alps, Mt. Akaishi, 35°28'20.83"N, 138°09'30.63"E, 2,907 m alt., on boulder. 11 September 2016, coll. & det. K. Kiryu, ver. T. Yamaguchi.
- 566 **Sciuro-hypnum brotheri** (Paris) Ignatov & Huttunen Japan. Honshu, Hiroshima-ken, Shobara-shi, Soryo, Shimo-ryoke, 34°46'58"N, 133°04'27"E, 270 m alt., on boulder. 17 February 2016, coll. T. Seki, det. J. David Orgaz.
- 567 **Trachycystis flagellaris** (Sull. & Lesq.) Lindb. Japan. Honshu, Shizuoka-ken, Shizuoka-shi, Southern Alps, Mt. Akaishi, 35°27'16.26"N, 138°11'08.13"E, 2,463 m alt., on boulder. 12 September 2016, coll. & det. K. Kiryu, ver. T. Yamaguchi.
- 568 **Trachycystis ussuriensis** (Maack & Regel) T.J.Kop. Japan. Honshu, Yamanashi-ken, Minami-Alps-shi, Mt. Kitadake, 35°41'37.37"N, 138°15'50.92"E, 1,672 m alt., on boulder. 13 September 2015, coll. & det. T. Sato.
- 569 **Trachypus bicolor** Reinw. & Hornsch. Japan. Honshu, Nagano-ken, Shimoina-gun, Oshika-mura, Southern Alps, Shiokawa River, 35°34'07.00"N, 138°07'04.79"E, 1,450 m alt., on rock cliff. 11 August 2015, coll. & det. T. Yamaguchi 35531.
- 570 **Bazzania trilobata** (L.) Gray Japan. Honshu, Nagano-ken, Chino-shi, Mts. Yatsugatake, trail from Akadake-kosen to Nakayamanokkosi, 35°59'05.6"N, 138°21'45.1"E, 2,290 m alt., on wet humus. 12 September 2016, coll. & det. T. Katagiri.
- 571 **Cephalozia lunulifolia** (Dumort.) Dumort. Japan. Honshu, Yamanashi-ken, Minami-Alps-shi, Mt. Kitadake, Hirogawara – Shiraneoiike, 35°41'18.85"N, 138°15'08.35"E, 2,170 m alt., on limestone. 13 September 2015, coll. Y. Sakamoto, det. T. Katagiri.
- 572 **Diplophyllum taxifolium** (Wahlenb.) Dumort. Japan. Honshu, Shizuoka-ken, Shizuoka-shi, Southern Alps, Mt. Akaishi, 35°27'52.64"N, 138°09'37.77"E, 2,987 m alt., on humus. 11 September 2016, coll. & det. K. Kiryu, ver. T. Katagiri.
- 573 **Notoscypus parvicous** Schiffn. Japan. Kyushu, Yakushima Isl., Kagoshima-ken, Kumage-gun, Kamiyaku-cho, Isso, ca. 100 m alt., on mesodry soil at roadside in partially shaded ever green forest. 26 March 1999, coll. N. Ohnishi, det. T. Katagiri.
- 574 **Plagiochila hakkodensis** Steph. Japan. Honshu, Shizuoka-ken, Shizuoka-shi, Southern Alps, Mt. Akaishi, 35°27'56.02"N, 138°09'44.31"E, 2,864 m alt., on wet boulder. 11 September 2016, coll. & det. K. Kiryu, ver. T. Katagiri.
- 575 **Scapania bolanderi** Austin Japan. Honshu, Shizuoka-ken, Shizuoka-shi, Southern Alps, Mt. Akaishi, 35°27'08.35"N, 138°11'14.23"E, 2,348 m alt., on log. 12 September 2016, coll. K. Kiryu, det. T. Katagiri.