

## Thirteen moss species recorded new to Iceland.

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ABSTRACT: This article contains thirteen new records of mosses in Iceland: *Atrichum tenellum*, *Bryum cryophilum*, *B. sauteri*, *Cyrtomnium hymenophylloides*, *Dicranella rufescens*, *Glyphomitrium daviesii*, *Hygroamblystegium tenax*, *Neckera crispa*, *Plagiomnium affine*, *Sphagnum strictum*, *Timmia bavarica*, *T. comata* and *Tortula ruraliformis*.

A list of Icelandic mosses, based on specimens collected after 1960 and preserved in the Museum of Natural History in Reykjavík, is now in progress. The list has been compiled in connection with the preparation of distribution maps of the Icelandic mosses. As this preliminary list contains species, which do not seem to have been recorded previously from Iceland, it seems reasonable to report some of them here.

Three of these species, *Atrichum tenellum*, *Bryum sauteri* and *Dicranella rufescens* were found during a short but profitable excursion made to South-Iceland together with A. C. CRUNDWELL and E. C. WALLACE. *Glyphomitrium daviesii* was first found in 1948 by K. HOLM-EN, who gave the specimens to the Museum in Reykjavík, but this find has not been published until now.

Specimens numbers are the Museum numbers of the preserved specimens. Location numbers preceding the names of localities are square numbers of the grid system on which the distribution maps are based (KRISTINSSON and JÓHANSSON, 1970). All specimens were collected by the author unless otherwise stated.

The following thirteen species are here recorded for the first time from Iceland:

**Atrichum tenellum** (Roehl.) B. S. G.

4158 Laugarvatn, S-Iceland, clay flat by an outlet from a warm spring, July 1973. ICEL 10395.

**Bryum cryophilum** Mårt.

5452 Northwestern side of Tungnafellsjökull, C-Iceland, 950 m, together with *Brachythecium turgidum* on sandy ground inundated by water from melting snow, July 1972. ICEL 10260.

Also found in similar habitat 1973 in 5030 Lágheiði, N-Iceland.

**Bryum sauteri** B. S. G.

4259 Laugarás, S-Iceland, by a hot spring, July 1973. ICEL 10892.

**Cyrtomnium hymenophylloides** (Hueb.) Kop.

7142 Móberg, Hjaltastaðapinghá, E-Iceland, on damp rocks together with *Amphidium mougeotii*, *Platydictya jungermannioides* and *Scapania calcicola*, July 1974. ICEL 11448.

**Dicranella rufescens** (With.) Schimp.

4158 Laugarvatn, S-Iceland, clayey ground in a hot spring area, July 1973. ICEL 10390.

Also found in the hot spring area at 4259 Laugarás.

**Glyphomitrium daviesii** (With.) Brid.

3559 Reykjavík, SW-Iceland, on rocks near the seashore by the airport, July 1948, leg. & det. Kjeld Holmen. ICEL 9058.

Found 1974 in 7451 Selavík, Stöðvarfjörður, E-Iceland. Found with capsules in both localities.

**Hygroamblystegium tenax** (Hedw.) Jenn.

5565 Syðri Fljótar by Eldvatn, S-Iceland, in a streamlet, July 1973. ICEL 11098.

**Neckera crispa** Hedw.

4060 East side of Ingólfsfjall, S-Iceland, on palagonite rocks, July 1974. ICEL 11293.

Also found in 4061.

**Plagiomnium affine** (Funck) Kop.

4764 Stakkholtsgjá near Þórsmörk, S-Iceland, on soil below a wet palagonite rock face, Aug. 1973. ICEL 10458.

Also found later the same year on the bottom of a lava cleft at 2951 Búðir, Snæfellsnes, W-Iceland. Found fertile but without sporophytes.

**Sphagnum strictum** Sull.

2951 Búðir, Snæfellsnes, W-Iceland, peat bog, Sept. 1973. ICEL 10472.

**Timmia bavarica** Hessel.

2951 Búðir, Snæfellsnes, W-Iceland, lava field, with capsules, Sept. 1970. ICEL 9207.

Also found 1973 on wet palagonite rocks in 4764 Stakkholtsgjá, S-Iceland.

**Timmia comata** Lindb. & H. Arnell

6948 Hallormsstaðaskógur, E-Iceland, in rock fissures by a lake, July 1974. ICEL 11554.

**Tortula ruraliformis** (Besch.) Dix.

3556 near Hvítanes, W-Iceland, in sand on the beach, May 1973. ICEL 11089.

Later the same year found in the same habitat at 2951 Búðir, Snæfellsnes, W-Iceland. This taxon is closely related to *T. ruralis*, but to me it seems about equally well defined as *T. norvegica*. I prefer to treat both as species.

## REFERENCES

- KRISTINSSON, Hörður and Bergþór JÓHANNSSON, 1970. Reitskipting Íslands fyrir rannsóknir á útbreiðslu plantna. *Náttúrufræðingurinn* 40: 58–65.