

## Records of new and rare lichens for Svalbard

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One new (*Stereocaulon nanodes*) and eight rare species are reported from Svalbard.

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### Introduction

An expedition from the Polar-Alpine Botanical Garden-Institute of the Kola Science Centre, Russia, to Spitsbergen, Oscar II Land to study flora and vegetation on Svalbard was undertaken during the summer of 2014. Of the 106 lichen species found, one was new to Svalbard and eight were considered to be rare. All listed specimens were collected by the author and are now stored in the KPABG herbarium, Kirovsk, Russia. The localities for the new and rare lichens are listed below. The nomenclature follows Nordin *et al.* (2015).

### The species

#### *New to Svalbard*

*Stereocaulon nanodes* Tuck.

Scree on slope of spur of Thorkelsenfjellet Mountain. 78°28'26.256"N, 12°34'52.032"E, alt. 340 m. On small stone. 27.7.2014 (KPABG(L)-11866). (Fig. 1.)

Previously the only known occurrence of *S. nanodes* in the Arctic region was in West Greenland (Kristinsson *et al.* 2006).

#### *Rare species*

*Acarospora verruciformis* H. Magn.

Summit ridges of Svartfjella Mountains. 78°27'37.188"N, 12°30'53.82"E, alt. 554 m. On block of cliff. 27.7.2014 (KPABG(L)-11721).

Previously known from Ny-Ålesund where it was found in 1936 (Øvstedal *et al.* 2009).

*Bellemera cinereorufescens* (Ach.) Clauzade & Cl. Roux

In tundra at the foot of Svartfjella Mountains. 78°26'57.228"N, 12°28'57.864"E, alt. 72 m. On boulder. 25.7.2014 (KPABG(L)-11862); 78°27'34.2"N, 12°40'2.532"E, alt. 354 m. In tundra on the mountain summit. On large boulder. 25.07.2014 (KPABG(L)-11941).

Reported from North Svalbard by Øvstedal *et al.* (2009).

*Catillaria chalybaea* (Borrer) A. Massal

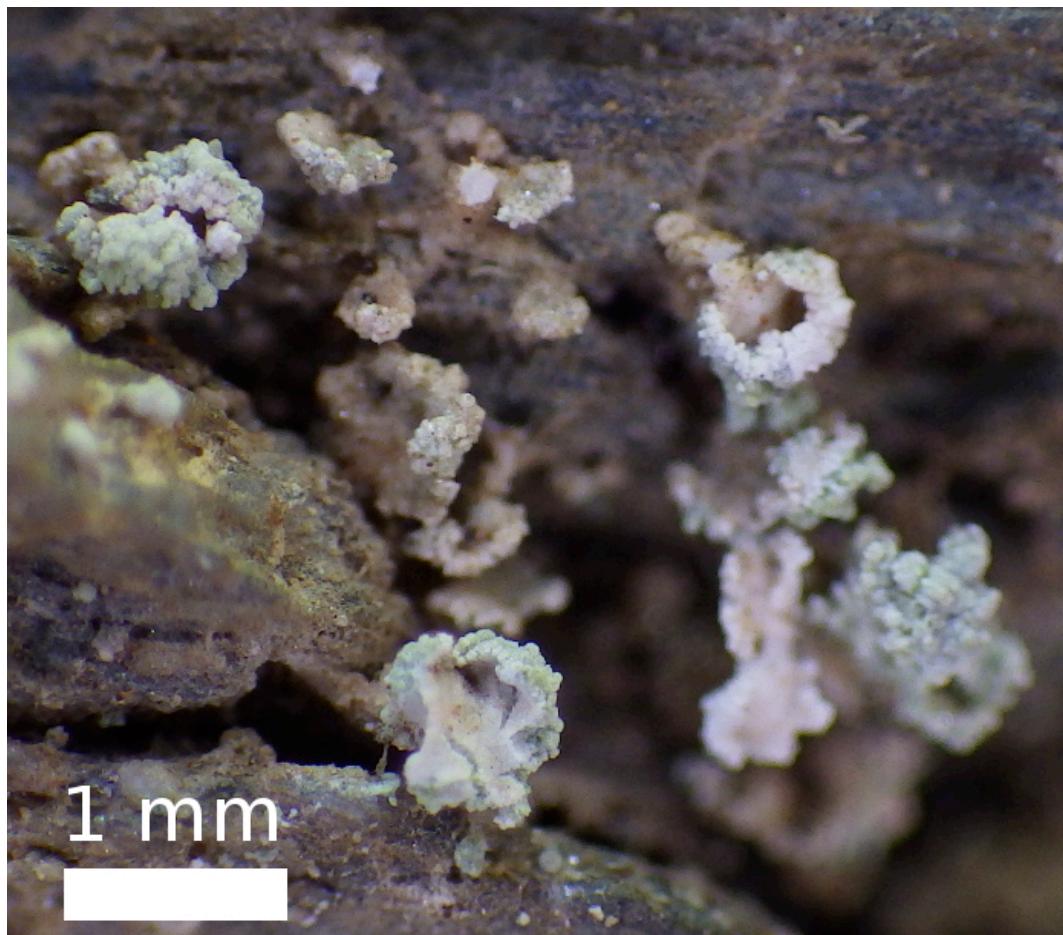
Scree on slope of Svartfjella Mountains. 78°26'56.76"N, 12°32'23.388"E, alt. 305 m. On limestone boulder. 25.7.2014 (KPABG(L)-11946).

Previously known from Grønhamna, where it was found in 1868 (Øvstedal *et al.* 2009).

*Mycobilimbia carneoalbida* (Müll. Arg.) S. Ekman & Printzen

Slope of Svartfjella Mountains. 78°27'10.152"N, 12°30'11.412"E, alt. 234 m. On mossy block of cliff. 27.7.2014 (KPABG(L)-11929).

Rare on Svalbard (Øvstedal *et al.* 2009).



**Figure 1.** *Stereocaulon nanodes* from Svalbard.

*Peltigera lepidophora* (Nyl. ex Vain.) Bitter

Scree on slope of nunatak of Bullbrean Glacier. 78°27'32.94"N, 12°39'46.62"E, alt. 325 m. On moss curtain on soil. 25.7.2014 (KPABG(L)-11964).

Rare on Svalbard (Øvstedal *et al.* 2009).

*Peltigera ponojensis* Gyeln.

Brookvalley between Thorkelsenfjellet and Bulltinden Mountains. 78°29'52.512"N, 12°31'44.94"E, alt. 25 m. On moss over soil. 23.7.2014 (KPABG(L)-11915).

Rare on Svalbard (Øvstedal *et al.* 2009).

*Scytinium callospismum* (A. Massal.) Otálora, P. M. Jørg. & Wedin.

Shore of creek, Cape Müllerneset. 78°29'23.712"N, 12°23'25.872"E, alt. 18 m. On stone in mossy area. 27.7.2014 (KPABG(L)-11966).

Recorded (as *Collema* cf. *callospismum*) from Petuniabukta in 2008 (Redchenko *et al.* 2010).

*Stereocaulon depressum* (Frey) I. M. Lamb

Scree on slope of Svartfjella Mountains. 78°27'10.404"N, 12°32'43.116"E, alt. 500 m. On boulder. 25.7.2014 (KPABG(L)-11870).

Previously known only from Nordenskiöld Land, Reindalen in 1986 (Øvstedal *et al.* 2009).

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## References

- Kristinsson, H., Hansen, E. S. & Zhurbenko, M. 2015. Panarctic lichen checklist [[http://library.arcticportal.org/276/1/Panarctic\\_lichen\\_checklist.pdf](http://library.arcticportal.org/276/1/Panarctic_lichen_checklist.pdf)] [date of consultation 20.1.2015].
- Nordin, A., Moberg, R., Tønsberg, T., Vitikainen, O., Dalsätt, Å., Myrdal, M., Snitting, D. & Ekman, S. 2015. Santesson’s checklist of Fennoscandian lichen-forming and lichenicolous fungi. Museum of Evolution, Uppsala University, [<http://130.238.83.220/santesson/home.php>] [date of consultation 20.1.2015].
- Øvstedal, D., Tønsberg, T. & Elvebakk, A. 2009. The lichen flora of Svalbard. *Sommerfeltia* 33: 1–393.
- Redchenko, O., Košnar, J. & Gloser, J. A. 2010. Contribution to lichen biota of the central part of Spitsbergen, Svalbard Archipelago. *Polish Polar Research* 31:159–168.