DET KONGELIGE DEPARTEMENT
FOR HANDEL, SJØFART, INDUSTRI, HÅNDVERK OG FISKERI

NORGES SVALBARD- OG ISHAVS-UNDERSØKELSER
LEDER: ADOLF HOEL

SKRIFTER OM SVALBARD OG ISHAVET

Nr. 43—46.

NR. 43. BJØRN BJØRLYKKE: VASCULAR PLANTS FROM SOUTH EAST GREENLAND COLLECTED ON THE "HEIMEN" EXPEDITION IN 1931 PRELIMINARY REPORT

NR. 44. JOHANNES LID: VASCULAR PLANTS FROM SOUTH EAST GREENLAND COLLECTED ON THE "SIGNALHORN" EXPEDITION IN 1931

NR. 45. B. LYNGE: LICHENS FROM SOUTH EAST GREENLAND COLLECTED IN 1931 BY NORWEGIAN EXPEDITIONS

NR. 46. S. O. F. OMANG: BEITRÄGE ZUR HIERACIUMFLORA OST-GRÖNLANDS

OSLO
I KOMMISJON HOS JACOB DYBWAD
1932

Results of the Norwegian expeditions to Svalbard 1906—1926 published in other series. (See Nr. 1 of this series.)

The results of the Prince of Monaco's expeditions (Mission Isachsen) in 1906 and 1907 were published under the title of 'Exploration du Nord-Ouest du Spitsberg entreprise sous les auspices de S. A. S. le Prince de Monaco par la Mission Isachsen', in Résultats des Campagnes scientifiques, Albert Ier, Prince de Monaco, Fasc. XL—XLIV. Monaco.

ISACHSEN, GUNNAR, Première Partie. Récit de voyage. Fasc. XL. 1912. Fr. 120.00.

With map: Spitsberg (Côte Nord-Ouest). Scale 1:100000. (2 sheets.) Charts: De la Partie Nord du Foreland à la Baie Magdalena, and Mouillages de la Côte Ouest du Spitsberg.

ISACHSEN, GUNNAR et ADOLF HOEL, Deuxième Partie. Description du champ d'opération. Fasc. XLI. 1913. Fr. 80.00.

HOEL, ADOLF, Troisième Partie. Géologie. Fasc. XLII. 1914. Fr. 100.00.

SCHETELIC, JAKOB, Quatrième Partie. Les formations primitives. Fasc. XLIII. 1912. Fr. 16.00.

RESVOLL HOLMSEN, HANNA, Cinquième Partie. Observations botaniques. Fasc. XLIV. 1913. Fr. 40.00.

A considerable part of the results of the ISACHSEN expeditions in 1909 and 1910 has been published in Videnskapsselskapets Skrifter. I. Mat.-Naturv. Klasse, Kristiania (Oslo).

ISACHSEN, GUNNAR, Rapport sur l'Expédition Isachsen au Spitsberg. 1912, No. 15. Kr. 5,40.

ALEXANDER, ANTON, Observations astronomiques. 1911, No. 19. Kr. 0,40.

GRAARUD, AAGE, Observations météorologiques. 1913, No. 1. Kr. 2,40.

HELLAND-HANSEN, BJØRN and FRIDTJOF NANSEN, The sea west of Spitsbergen. 1912, No. 12. Kr. 3,60.

ISACHSEN, GUNNAR, The hydrographic observations. 1912, No. 14. Kr. 4,20.

With chart: Waters and anchorages on the west and north coast. Publ. by the Norw. Geogr. Survey, No. 198.

HOEL, A. et O. HOLTEDAHL, Les nappes de lave, les volcans et les sources thermales dans les environs de la Baie Wood au Spitsberg. 1911, No. 8. Kr. 4,00.

GOLDSCHMIDT, V. M., Petrographische Untersuchung einiger Eruptivgesteine von Nordwestspitzbergen. 1911, No. 9. Kr. 0,80.

BACKLUND, H., Über einige Olivinknollen aus der Lava von Wood-Bay, Spitzbergen. 1911, No. 16. Kr. 0,60.

HOLTEDAHL, OLAF, Zur Kenntnis der Karbonablagerungen des westlichen Spitzbergens. I. Eine Fauna der Moskauer Stufe. 1911, No. 10. Kr. 3,00. II. Allgemeine stratigraphische und tektonische Beobachtungen. 1912, No. 23. Kr. 5,00.

HOEL, ADOLF, Observations sur la vitesse d'écoulement et sur l'ablation du Glacier Lilliehöök au Spitsberg 1907—1912. 1916, No. 4. Kr. 2,20.

VEGARD, L., L'influence du sol sur la glaciation au Spitsberg. 1912, No. 3. Kr. 0,40.

ISACHSEN, GUNNAR, Travaux topographiques. 1915, No. 7. Kr. 10,00.

With map: Spitsberg (Partie Nord-Ouest). Scale 1:200000 (2 sheets).

GUNNAR ISACHSEN has also published: Green Harbour, in *Norsk Geogr. Selsk. Aarb.*, Kristiania, 1912—13, Green Harbour, Spitsbergen, in *Scot. geogr. Mag.*, Edinburgh, 1915, and, Spitsbergen: Notes to accompany map, in *Geogr. Journ.*, London, 1915.

All the above publications have been collected into two volumes as Expédition Isachsen au Spitsberg 1909—1910. Résultats scientifiques. I, II. Christiania 1916.

As the result of the expeditions of ADOLF HOEL and ARVE STAXRUD 1911—1914 the following memoir has been published in Videnskapsselskapets Skrifter. I. Mat.-Naturv. Klasse.

HOEL, ADOLF, Nouvelles observations sur le district volcanique du Spitsberg du Nord. 1914, No. 9. Kr. 2,50.

The following topographical maps and charts have been published separately:

Bjørnøya (Bear Island). Oslo 1925. Scale 1:25000. Kr. 10,00.

Bjørnøya (Bear Island). Oslo 1925. Scale 1:10000. (In six sheets.) Kr. 30,00.

Chart of Bear Island. (No. S1). Oslo 1929. Scale 1:40000 Kr. 4,00. (With description.)

Bear Island Waters. (No. S2). Oslo 1930. Scale 1:350000. Kr. 5,00.

Spitsbergen. Chart, Bellsund—Forlandsrevet including Isfjorden. (No. S3). Scale 1:200000. Kr. 5,00.

A preliminary edition of topographical maps on the scale of 1:50000 covering the regions around Kings Bay, Ice Fjord, and Bell Sound, together with the map of Bear Island, scale 1:25000, is published in:

Svalbard Commissioner [Kristian Sindballe], Report concerning the claims to land in Svalbard. Part I A, Text; I B, Maps; II A, Text; II B, Maps. Copenhagen and Oslo 1927. Kr. 150,00.

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SKRIFTER OM SVALBARD OG ISHAVET

Nr. 44.

JOHANNES LID

VASCULAR PLANTS FROM SOUTH EAST GREENLAND

COLLECTED ON THE "SIGNALHORN" EXPEDITION IN 1931

OSLO
I KOMMISJON HOS JACOB DYBWAD
1932

A. W. BRØGGERS BOKTRYKKERI A/S

Preface.

A Norwegian expedition equipped by Mr. Peter S. Brandal, of Sunnmøre, and several newspaper companies was working in South East Greenland during the summer of 1931. The ship of the expedition was S/S Signalhorn of Brandal. The leader of the expedition, Mr. J. Kr. Tornøe, brought together a fine collection of vascular plants, which was kindly by the managing commitee of the expedition presented to the Botanical Museum of the University of Oslo.

Tornøe's plants originate from the following places, enumerated in their order from south to north:

Nagtoralik Sept. 6th.
Kangerdluarak, Straumen Sept. 8th, Mortensberg Sept. 9th.
Kutekfjorden Sept. 9th.
Tingmiarmiut, Brattneset Sept. 1st.
Kangerdlugssuak, Skardet Aug. 22nd, Elvefaret Aug. 21st, Brandal Aug. 21st.

Nagtoralik, Kangerdluarak and Kutekfjorden are situated at about 60° 35′ North Latitude, Tingmiarmiut at 62° 30′ N. L., and Kangerdlugssuak at 68° 35′ N. L. Kangerdlugssuak is called Storfjorden by Norwegian hunters.

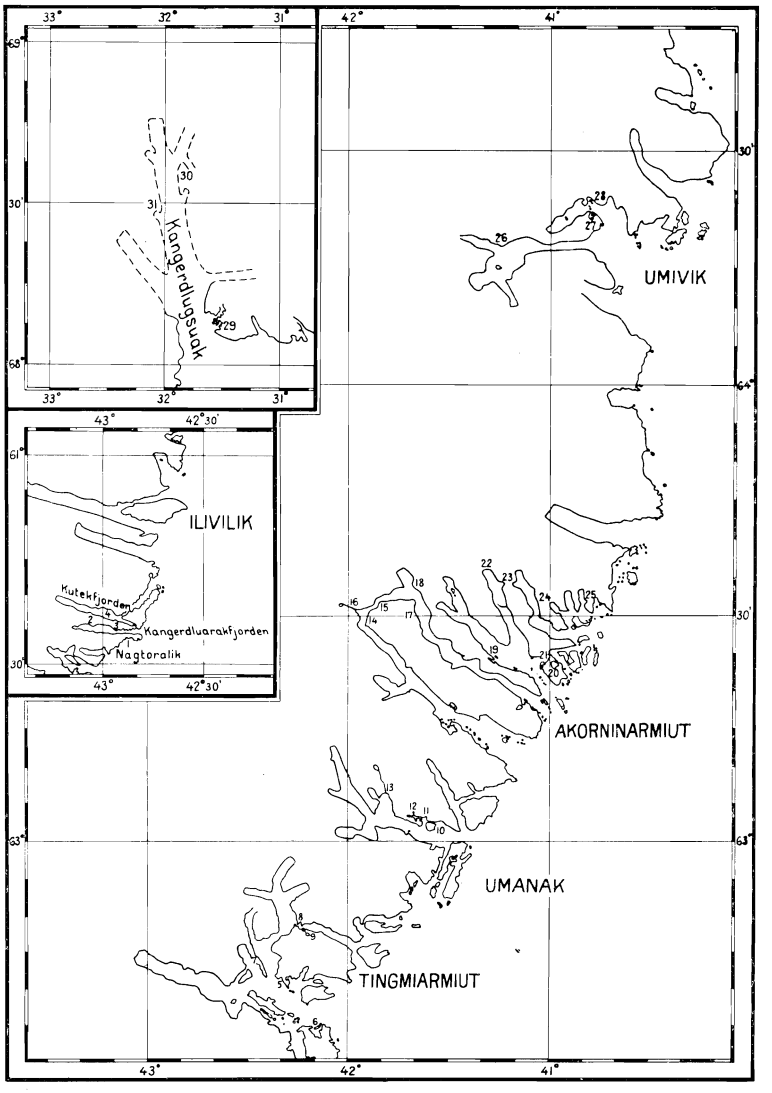
The localities will be found on the sketch map on p. 4.

As for the nomenclature, I have added synonyms where names used here do not coincide with those used by C. H. Ostenfeld in his book 'The Flora of Greenland and Its Origin' (Copenhagen 1926).

I am much indebted to Dr. Hugo Dahlstedt of Stockholm who has determined a sample of *Taraxacum*, and to Mr. S. O. F. Omang, Oslo, who has determined the *Hieracia*.

The Botanical Museum of the University of Oslo.

December 15th 1931.



Sketch map showing localities.

1. Nagtoralik
2. Mortensberg
3. Straumen
4. Kutekfjorden
5. Brattneset
6. Langholmen
7. Igdlormiut
8. Bjørnhamna
9. Lomvatnet
10. Rudi-øya
11. Vogtsbu
12. Innfjorden
13. Pilerkit
14. Bjørlykkeneset
15. Moreneneset
16. Dronning Maries dal
17. Skjoldungen, Inner North Side
18. Myrodden
19. Finnsbu
20. Imarsivik
21. Imarsivikøya at Flosundet
22. Head of Trollfjorden
23. Trollfjordeidet
24. Eidsdalen
25. Kikut
26. Otto Sverdrupfjorden
27. Uterminut
28. Nordenskiölds nunatakk
29. Skardet
30. Elvefaret
31. Brandal

Vascular Cryptogams.

1. *Athyrium alpestre* (Hpe.) Nyl.

Kangerdluarak: Mortensberg. The fronds measure up to 40 cm in height.

2. *Dryopteris austriaca* (Jacq.) Woynar. (*D. dilatata* Hoffm.)

Kangerdluarak: Mortensberg. Well developed specimens ascending to a height of 35 cm were found growing between stones. The fronds produce quantities of mature spores.

3. *Dryopteris Linnaeana* C. Chr. (*D. pulchella* (Salisb.) Hayek.)

Kangerdluarak: Straumen. Specimens with well developed clusters.

4. *Dryopteris phegopteris* (L.) C. Chr.

Nagtoralik. No clusters are visable.

5. *Lycopodium alpinum* L.

Nagtoralik. Kangerdluarak: Mortensberg. Tingmiarmiut: Brattneset.

6. *Lycopodium selago* L.

Nagtoralik. Kangerdluarak: Mortensberg.

7. *Polystichum lonchitis* (L.) Roth.

Kangerdluarak: Mortensberg. Fronds producing quantities of mature spores were gathered on Sept. 7th.

Gymnospermae.

8. *Juniperus communis* L.

Nagtoralik. Kangerdluarak: Mortensberg. Tingmiarmiut: Brattneset. Ripe fruits were gathered at Brattneset.

Dicotyledones.

9. *Alchemilla alpina* L.

Nagtoralik. Kangerdluarak: Mortensberg. Flowering specimens.

10. *Alchemilla glomerulans* Bus.

Kangerdluarak: Mortensberg. A clump of Alchemilla grew along the border of a slope. This clump was in full view of the ship at a long distance by its bright yellowish green colour.

11. *Angelica archangelica* L. (*Archangelica officinalis* Hoffm.)

Kangerdluarak: Mortensberg and Straumen. Well-developed specimens with ripe seed were found growing in abundance below the talus east of the waterfall at Straumen.

12. *Antennaria alpina* (L.) Gærtn.

Kangerdlugssuak: Brandal and Elvefaret.

13. *Arabis alpina* L.

Kangerdluarak: Straumen. Flowering specimens.

14. *Arnica alpina* (L.) Olin.

Kangerdlugssuak: Brandal, flowering specimens.

15. *Bartschia alpina* L.

Nagtoralik. Kangerdluarak: Mortensberg.

16. *Betula glandulosa* Michx.

Nagtoralik. Kangerdluarak: Mortensberg. There are specimens with young female catkins and with old ones from the preceding year containing ripe seed. The specimens measured some 50 cm in height.

17. *Betula glandulosa* Michx. × *odorata* Bechst.

Kangerdluarak: Mortensberg. A small branch with six leaves. The shoot is covered with resinous tubercles as in *Betula glandulosa*. The size and configuration of the leaves, however, indicates the hybridizm with *Betula odorata*. Mr. Tornøe states that the plant was more erect than those of *Betula glandulosa*.

18. *Bryanthus coeruleus* (L.) Dippel.

Kangerdluarak: Mortensberg. Tingmiarmiut: Brattneset.

19. *Campanula rotundifolia* L.

Kangerdluarak: Mortensberg. Tingmiarmiut: Brattneset. Kangerdlugssuak: Elvefaret and Brandal.

20. *Cassiope hypnoides* (L.) Don.

Kangerdluarak: Straumen. Kangerdlugssuak: Elvefaret and Brandal. Flowering abundant everywhere.

21. *Cassiope tetragona* (L.) Don.

Kangerdlugssuak: Elvefaret and Brandal.

22. *Cerastium alpinum* L.

Tingmiarmiut: Brattneset. Kangerdlugssuak: Elvefaret and Brandal. The specimens from Brattneset have ripe seed.

23. *Chamaenerium angustifolium* (L.) Scop.
(*Epilobium angustifolium* L.)

Kangerdluarak: Mortensberg. Tingmiarmiut: Brattneset. In both localities the specimens were just developing the lowermost flowers of the spike.

24. *Chamaenerium latifolium* (L.) Scop.
(*Epilobium latifolium* L.)

Kangerdluarak: Straumen. Kangerdlugssuak: Elvefaret and Brandal. Flowering abundant everywhere.

25. *Coptis trifolia* Salisb.

Kangerdluarak: Mortensberg. A single leaf of this plant was found in the collection from Mortensberg entangled in other plants.

26. *Diapensia lapponica* L.

Kangerdlugssuak: Elvefaret. According to Ostenfeld (l. c. pag 62) Diapensia is formerly unknown to this region of East Greenland.

27. *Empetrum hermaphroditum* (Lange) Hagerup.

Nagtoralik. Kangerdluarak: Mortensberg and Straumen. Kutekfjorden. Kangerdlugssuak: Skardet, Elvefaret and Brandal. In most places Empetrum was producing ripe berries.

28. *Gnaphalium norvegicum* Gunn.

Nagtoralik. Kangerdluarak: Mortensberg. A series of specimens.

29. *Gnaphalium supinum* L.

Kangerdluarak: Mortensberg. The seed had already fallen at the beginning of September.

30. *Hieracium alpinum* (L.) Backh.

Kangerdlugssuak: Brandal (determ. S. O. F. Omang). (See Omang, Beiträge zur Hieraciumflora Ost Grönlands, p. 3.)

31. *Hieracium groenlandicum* (A-T.) Almqu.

Kangerdluarak: Mortensberg (determ. S. O. F. Omang). (See Omang, l. c. p. 5.)

32. *Honckenya peploides* (L.) Ehrh.

Kangerdluarak: Straumen and Mortensberg. Kutekfjorden. The specimens from Straumen and Kutekfjorden had ripe seed.

33. *Loiseleuria procumbens* (L.) Desv.

Nagtoralik. Kangerdluarak: Straumen and Mortensberg.

34. *Oxyria digyna* (L.) Hill.

Kutekfjorden. Tingmiarmiut: Brattneset. Kangerdlugssuak: Elvefaret and Brandal.

35. *Pedicularis flammea* L.

Kangerdlugssuak: Brandal. A single specimen with young capsules is represented in Tornøe's collection.

36. *Pedicularis hirsuta* L.

Kangerdlugssuak: Brandal. Some specimens with flowers and others with ripe seed.

37. *Pinguicula vulgaris* L.

Kangerdluarak: Straumen. Some specimens were gathered near the accumulation of *Angelica* below the talus east of the waterfall.

38. *Polygonum viviparum* L.

Kangerdluarak: Straumen and Mortensberg. Tingmiarmiut: Brattneset. Kangerdlugssuak: Elvefaret and Brandal.

39. *Potentilla anserina* L.

Kangerdluarak: Straumen. Poorely developed specimens were found growing at the sandy beach.

40. *Potentilla tridentata* Soland.

Kangerdluarak: Mortensberg. Two specimens just in flowering state.

41. *Ranunculus glacialis* L.

Kangerdlugssuak: Brandal. There are series of specimens from Brandal, some with flowers, others with young fruits.

42. *Rhinanthus groenlandicus* Ch. & A.

Kangerdluarak: Straumen and Mortensberg.

43. *Salix arctica* (Pallas) × *arctophila* Cock. × *glauca* L.
(*Salix arctica* × *chloroclados* × *glauca.*) [1]

Kangerdlugssuak: Elvefaret. Small decumbent plants.

The Salices of Greenland were treated in an excellent manner by Björn Floderus in his work 'Om Grønlands Salices', Copenhagen 1923. Floderus interprets a good deal of them as hybrids, the most common ones being combinations of *Salix arctica, S. arctophila* and *S. glauca.* while specimens of the genuine species seem to be rare. *Salix glauca* enters into the hybrid in almost every part of Greenland, *Salix arctica* participates in the North, and *Salix arctophila* in the South. The southern limit of hybrids containing *Salix arctica* was by Floderus assumed to be about 70 degrees of North Lat. in Greenland.

44. *Salix arctophila* Cock. × *glauca* L. f. *medians.*

Kangerdluarak: Mortensberg. Female specimens.

f. *subglauca.*

Nagtoralik. Tingmiarmiut: Brattneset. Kangerdlugssuak: Skardet.

Mr. Tornøe states that in Kangerdlugssuak the scrub of Salices was quite creeping. At Brattneset and at Mortensberg the scrub was some 50 cm high. In the inner part of Kangerdluarak, especially in a locality east of the waterfall north of Straumen, Mr. Tornøe observed scrub of Salices ascending to the height of a man. Unfortunately there are no samples of this splendid scrub in Mr. Tornøe's collection. I should be inclined to think, however, that this scrub also might belong to the hybrid *S. arctophila* × *glauca.*

45. *Salix glauca* L.

Kangerdlugssuak: Brandal. I can find no trace of *Salic arctica* or *S. arctophila* in the specimens from Brandal.

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[1] Floderus recently substituted the name *Salix arctophila* Cock. for his own name *Salix chloroclados* Flod.

46. *Salix herbacea* L.

Kangerdluarak: Mortensberg. Tingmiarmiut: Brattneset. Kangerdlugssuak: Skardet, Elvefaret and Brandal.

47. *Saxifraga groenlandica* L.

Kutekfjorden. Flowering specimens.

48. *Saxifraga nivalis* L.

Kangerdlugssuak: Brandal. Specimens with ripe seed.

49. *Saxifraga oppositifolia* L.

Kangerdlugssuak: Elvefaret. Mr. Tornøe tells me that this species was common in all localities visited by the expedition.

50. *Saxifraga stellaris* L.

Kangerdluarak: Mortensberg. Small specimens with young capsules.

51. *Sedum roseum* (L.) Scop.

Nagtoralik. Kangerdluarak: Mortnsberg. Tingmiarmiut: Brattneset. Kangerdlugssuak: Elvefaret and Brandal.

52. *Sibbaldia procumbens* L.

Nagtoralik. Kangerdluarak: Mortensberg. Tingmiarmiut: Brattneset. Ripe seed was found in the specimens from the first two localities.

53. *Silene acaulis* L.

Kangerdlugssuak: Skardet, Elvefaret and Brandal. Specimens with flowers as well as with mature capsules were obtained.

54. *Stellaria calycantha* Led. (*Stellaria borealis* Big.)

Tingmiarmiut: Brattneset. Specimens with young capsules.

55. *Taraxacum croceum* Dahlst.

Tingmiarmiut: Brattneset (determ. H. Dahlstedt). From Nagtoralik and from Brandal in Kangerdlugssuak, some relics of Taraxacum are represented in the collection. I think these relics, too, are to be referred to *Taraxacum croceum*.

56. *Vaccinium uliginosum* L.

Nagtoralik. Kangerdluarak: Mortensberg and Straumen.

f. *microphyllum* Lange.

Kangerdlugssuak: Elvefaret and Brandal. In most places visited by the expedition *Vaccinium uliginosum* was producing ripe berries.

57. *Veronica alpina* L.

Kangerdluarak: Mortensberg. Poorly developed specimens with no flowers.

58. *Viscaria alpina* L.

Kangerdluarak: Mortensberg. Specimens producing quantities of ripe seed.

Monocotyledones.

59. *Agrostis borealis* Hartm.

Kangerdluarak: Mortensberg. Tingmiarmiut: Brattneset. Specimens with well developed panicles.

60. *Calamagrostis Langsdorffii* (Link.) Trin.

Kangerdluarak: Mortensberg. Well developed specimens measuring some 50 cm in height were found in quantities on marshy ground west of Mortensberg.

61. *Carex Hepburnii* Boott. (*Carex nardina* Fr.)

Kangerdlugssuak: Elvefaret. Well developed specimens with almost ripe seed, the perianth being 3.4 mm long.

62. *Carex brunnescens* (Pers.) Poir.

Kangerdluarak: Straumen. Two small specimens with young fruits were gathered on the sandy beach of a rivulet some 200 metres north of Straumen Station.

63. *Carex rigida* Good.

Kangerdluarak: Mortensberg. Kangerdlugssuak: Brandal. A series of fine specimens of the genuine *Carex rigida* as well as of the var. *concolor* (R. Br.) is represented in Tornøe's collection.

64. *Carex stylosa* C. A. Mey.

Kangerdluarak: Mortensberg. There are two specimens with ripe fruits of this rare species.

65. *Deschampsia alpina* (L.) R. et Sch.

Nagtoralik. Kangerdluarak: Mortensberg. Well developed specimens.

66. *Deschampsia flexuosa* (L.) Trin.

Nagtoralik. Kangerdluarak: Mortensberg. Tingmiarmiut: Brattneset.

67. *Eriophorum polystachyum* L.

Kangerdluarak: Mortensberg.

68. *Luzula confusa* Lindeb.

Kangerdlugssuak: Skardet and Elvefaret.

69. *Luzula spicata* L.

Tingmiarmiut: Brattneset. Only a single spike was found in the collection.

70. *Nardus stricta* L.

Kangerdluarak: Mortensberg. Several well-developed specimens.

71. *Phleum alpium* L.

Nagtoralik. Kangerdluarak: Mortensberg. Tingmiarmiut: Brattneset. Culms measuring some 50 cm in height were not rare at Mortensberg.

72. *Poa alpina* L.

Nagtoralik. Kangerdluarak: Mortensberg. Tingmiarmiut: Brattneset. Kangerdlugssuak: Brandal. No viviparous specimens are represented in the collection.

73. *Puccinellia phryganodes* (Trin.) Scribn. et Merr.

Kangerdluarak: Straumen. Only sterile specimens were found.

74. *Scirpus austriacus* (Palla.) Asch. et Graebn.
(*Scirpus caespitosus* L.)

Kangerdluarak: Mortensberg. Tingmiarmiut: Brattneset.

75. *Tofieldia palustris* Huds.

Nagtoralik. Kangerdluarak: Mortensberg.

76. *Trisetum spicatum* (L.) Richt.

Kangerdluarak: Mortensberg. Tingmiarmiut: Brattneset. Kangerdlugssuak: Elvefaret and Brandal.

Printed, April 5th, 1932.

SKRIFTER
OM SVALBARD OG ISHAVET

Nr. 1. HOEL, ADOLF, *The Norwegian Svalbard Expeditions 1906—1926.* 1929. Kr. 10,00.
„ 2. RAVN, J. P. J., *On the Mollusca of the Tertiary of Spitsbergen.* 1922. Kr. 1,60.
„ 3. WERENSKIOLD, W. and IVAR OFTEDAL, *A burning Coal Seam at Mt. Pyramide, Spitsbergen.* 1922. Kr. 1,20.
„ 4. WOLLEBÆK, ALF, *The Spitsbergen Reindeer.* 1926. Kr. 10,00.
„ 5. LYNGE, BERNT, *Lichens from Spitsbergen.* 1924. Kr. 2,50.
„ 6. HOEL, ADOLF, *The Coal Deposits and Coal Mining of Svalbard (Spitsbergen and Bear Island).* 1925. Kr. 10,00.
„ 7. DAHL, KNUT, *Contributions to the Biology of the Spitsbergen Char.* 1926. Kr. 1,00.
„ 8. HOLTEDAHL, OLAF, *Notes on the Geology of Northwestern Spitsbergen.* 1926. Kr. 5,50.
„ 9. LYNGE, BERNT, *Lichens from Bear Island (Bjørnøya).* 1926. Kr. 5,80.
„ 10. IVERSEN, THOR, *Hopen (Hope Island), Svalbard.* 1926. Kr. 7,50.
„ 11. QUENSTEDT, WERNER, *Mollusken aus den Redbay- und Greyhookschichten Spitzbergens.* 1926. Kr. 8,50.

Nos. 1—11: Vol. I.

From Nr. 12 the papers will not be collected into volumes, but only numbered consecutively.

Nr. 12. STENSIÖ, ERIK A:SON, *The Downtonian and Devonian Vertebrates of Spitsbergen.* Part I. *Cephalaspidae.* A. Text, and B. Plates. 1927. Kr. 60,00.
„ 13. LIND, J., *The Micromycetes of Svalbard.* 1928. Kr. 6,00.
„ 14. *A paper on the topographical survey of Bear Island.* (In preparation.)
„ 15. HORN, GUNNAR and ANDERS K. ORVIN, *Geology of Bear Island.* 1928. Kr. 15,00.
„ 16. JELSTRUP, HANS S., *Déterminations astronomiques.* 1928. Kr. 2,00.
„ 17. HORN, GUNNAR, *Beiträge zur Kenntnis der Kohle von Svalbard (Spitzbergen und der Bäreninsel).* 1928. Kr. 5,50.
„ 18. HOEL, ADOLF, *Das Festungsprofil auf Spitzbergen. Jura und Kreide.* I. Vermessungsresultate. (In the press.)
„ 19. FREBOLD, HANS, *Das Festungsprofil auf Spitzbergen. Jura und Kreide.* II. Die Stratigraphie. 1928. Kr. 3,00.
„ 20. FREBOLD, HANS, *Oberer Lias und unteres Callovien in Spitzbergen.* 1929. Kr. 2,50.
„ 21. FREBOLD, HANS, *Ammoniten aus dem Valanginien von Spitzbergen.* 1929. Kr. 4,00.
„ 22. HEINTZ, ANATOL, *Die Downtonischen und Devonischen Vertebraten von Spitzbergen.* II. *Acanthaspida.* 1929. Kr. 15,00.
„ 23. HEINTZ, ANATOL, *Die Downtonischen und Devonischen Vertebraten von Spitzbergen.* III. *Acanthaspida. — Nachtrag.* 1929. Kr. 3,00.
„ 24. HERITSCH, FRANZ, *Eine Caninia aus dem Karbon des De Geer-Berges im Eisfjordgebiet auf Spitzbergen.* 1929. Kr. 3,50.
„ 25. ABS, OTTO, *Untersuchungen über die Ernährung der Bewohner von Barentsburg, Svalbard.* 1929. Kr. 5,00.
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„ 40. KIÆR, JOHAN. (In the Press.)

„ 41. B. LYNGE and P. F. SCHOLANDER: *Lichens from North East Greenland.* 1931. Kr. 9,50.

„ 42. ANATOL HEINTZ: *Beitrag zur Kenntnis der devonischen Fischfauna Ost-Grönlands,* 1931. Kr. 4,00.

„ 43—46. BJØRLYKKE, BJØRN, *Some vascular Plants from South East Greenland. Collected on the „Heimen" Expedition in 1931 Preliminary Report.*
LID, JOHANNES, *Vascular Plants from South East Greenland. Collected on the „Signalhorn" Expedition in 1931.*
LYNGE, B., *Lichens from South East Greenland. Collected in 1931 on Norwegian Expeditions.*
OMANG, S. O. F., *Beiträge zur Hieraciumflora Ost-Grönlands.* 1932. Kr. 4,00.

„ 47. LYNGE, B., *A Revision of the Genus Rhizocarpon (Ram.) Th. Fr. in Greenland.* 1932. Kr. 2,00.

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