

## **The Students' Association of Natural Science. Upsala.**

### **Geological and Physico-Geographical Division.**

**Meeting, January 27th 1899.**

The following officers were appointed,

for the term: C. A. FORSBERG, Secretary.

A. GAVELIN, }  
E. WRETLIND, } Reporters.

for the year: C. WIMAN, Redaktor.

Mr P. J. HOLMQVIST gave an account of his researches of the rocks of Rödö (See Sveriges Geol. Undersökning, Ser. C, Nr. 181).

**Meeting, February 10th 1899.**

Mr J. G. ANDERSSON gave a résumé of RAMSAY: Über die geologische Entwicklung der Halbinsel Kola in der Quartärzeit.

Mr A. GAVELIN gave a résumé of Duparc & Mrazec: Recherches géologiques et pétrographiques sur le massif du Mont-Blanc.

**Meeting, February 25th 1899.**

Mr O. NORDENSKJÖLD gave an account of the Pampas formation (See Geol. Fören. Förhandl. XXII, 3, 1900).

**Meeting, March 10th 1899.**

Mr R. OTTERBORG gave some geological notes of the valley of Klar-elfven in Vermland.

Mr A. HOLLENDER made some remarks on A. G. HÖGBOM: Om urkalkstenarnes topografi och den glaciala erosionen (Geol. Fören. Förhandl.

XXI, 2, 1899) which gave rise to a short discussion between Messrs HÖGBOM and HOLLENDER.

**Meeting, March 24th 1899.**

Mr E. HENNING spoke on the occurrence of »ortsten», a sand deposit cemented by humus-acids, in Skåne.

Mr A. G. HÖGBOM showed a granophyric pegmatite from Japan without quartz but with holes in the feldspar in its place.

**Meeting, April 7th 1899.**

Mr O. NORDENSKJÖLD spoke on the geology of the Yukon Territory showing the results of his expedition to the gold-fields in the Klondike district during the summer of 1898.

Mr A. HOLLENDER spoke on his latest studies of ancient Swedish glacial lakes and ice-rivers (See Geol. Fören. Förhandl. XXI, 4, 1899).

**Meeting, April 21st 1899.**

Mr HÖGBOM showed some boulders found on the Upsala-ås with pseudomorphous minerals such as laumontite and kaolin.

**Meeting, May 12th 1899.**

Mr A. HENNING read a paper on the apophyllite of Sulitelma (See Geol. Fören. Förhandl. XXI, 5, 1899.)

Mr A. HOLLENDER spoke on the secular changes of level in the environs of the lake Mälär.

**Meeting, September 23rd 1899.**

Officers were appointed:

|                            |              |
|----------------------------|--------------|
| C. A. FORSBERG, Secretary, |              |
| A. GAVELIN,                | }            |
| E. WRETLIND,               |              |
|                            | } Reporters. |

Mr E. LÖNNBERG spoke on the Caspian Sea and its fauna giving especially some data referring to the connection between the Caspian Sea and the Arctic Ocean as a road for immigration of arctic forms into the former.

**Meeting, October 13th 1899.**

Mr SERNANDER spoke on the age of the pine (*Picea Abies*) in the Finnish flora (See Geol. Fören. Förhandl. XXI, 6, 1899).

Mr HOLMQVIST showed some samples of marble being parts of a table plate from the steamer »Södra Sverige» sunk out of Dalarö. During nineteen months this marble had been exposed to the dissolving action of sea water at a depth of 55 metres. Notwithstanding the length of the time the marble showed but small traces of chemical corrosion. This corrosion can easily be measured, the originaly polish being almost perfectly kept on the veins of white coarse limestone, when the mass of dense dark limestone is dissolved to a depth of about 0.1 millimetres.

#### Meeting, November 3rd 1899.

Mr HÖGBOM spoke on the rocks of the Skellefteå district, of wich an account will be given in the next number of this Bulletin.

#### Meeting, November 24th 1899.

Mr A. HOLLENDER as a continuation of his lecture of May 12th as preliminary results of his researches stated that, at the time when the first sure traces are to be found of men living on the sea shore and using stoneaxes without handleholes, the level of the sea was

|             |         |
|-------------|---------|
| at Krylbo   | 80 m.   |
| » Vingåker  | 50 »    |
| » Ryssby    | 5--10 » |
| » Strömstad | 40 »,   |

those figures giving the amount of the change of level since the time when those tools were used.

Mr K. AHLENIUS gave an account of his measures of depth and temperature of lakes in Lappland (Hornafvan, Saggat a. o.).

Mr G. DE GEER read a paper on the gneiss district of southwest Sweden. (See Geol. Fören. Förhandl. XXI, 7, 1899. De Geer, om algonkisk bergveckning inom Fennoskandias randzon.) The lecture gave rise to a lively discussion between Messrs HÖGBOM, NORDENSKJÖLD, SERNANDER, WIMAN, HOLMQVIST, J. G. ANDERSSON, C. SÖDERSTRÖM and the lecturer.

#### Meeting, December 1st 1899.

Mr C. WIMAN read a paper on »Præcambrian topography.»

Mr E. NORDENSKJÖLD spoke on his explorations in southwest Patagonia especially of the caves in Last Hope Inlet, where he had found remains of *Glossotherium Darwini* a. o. (See Kgl. Vet Akad. Handl. XXXIII, 3, 1900).

**Meeting, on December 15th 1899.**

Mr R. SERNANDER spoke of an archæological finding in a peat bog in Markim in Upland. The lecturer had found a earthen pot lying in a fresh-water mud with Nuphar, Potamogeton, Phryganides a. o. at a depth of 1 metre (8 metres above the sea).

Mr A. HOLLENDER read a paper on the valley of Klarelfven (See Geol. Fören. Förhandl. XXII, 4, 1900).

