

EXCERPT MINUTES OF COUNCIL MEETING

Held at the Museum, Jermyn Street, Jan. 11th, 1887.

The following gentlemen were elected—

A. PRINGLE, M.A.

G. T. PRIOR, B.A.

J. M. THOMSON, F.C.S.

Reported the death of Dr. E. H. Furuhjelm, of Helsingfors.

EXCERPT MINUTES OF COUNCIL MEETING

Held at 116 Victoria Street, April 4th, 1887.

The following gentlemen were elected—

F. W. PEARD, of Natal.

Prof. A. H. CHESTER, Hamilton Col. Clinton.

The audited Balance-Sheet for the year 1886 was submitted and ordered to be printed (p. xiv.).

GENERAL MEETING.

Held at the Museum, Jermyn Street, Jan. 11th, 1887.

L. FLETCHER, M.A., F.G.S., President, in the Chair.

The following papers were read:—

“On a Specimen of Meteoric Iron found at Youndegin, West Australia, in 1884.” By L. Fletcher, M.A., President. (p. 121.)

“Additional Notes on the Felspar from Kilima-njaro.” By L. Fletcher, M.A., and H. A. Miers, M.A. (p. 131.)

Professor Bonney said that it was very satisfactory to find that a small collection of rock fragments made by a traveller, who did not profess to be a geologist, had contained specimens of such interest. The rocks which he had examined from Kilima-njaro¹ did not, as far as he could ascertain with the microscope, contain any nepheline, though of course it would not be safe to draw a general inference from that, seeing that the collection was a small one, and Kilima-njaro a very large mountain. The rocks which he had examined were varieties of augite-andesite, most of them very vitreous,—dark brown glasses,—probably belonging to the more basic side of that group of rocks. These felspar crystals occur in a base of browned glass, containing minute microliths of felspar, with

¹ Described in *Report of Brit. Assoc.* for 1885 (Aberdeen), p. 632.

occasional small vesicles; their exterior is somewhat corroded by the glass which is occasionally present as inclusions. Mr. Johnston had collected the specimens on the central ridge of Kilima-njaro (at 14,000 ft.), on Kimawenzi (15,000 ft.), and at the base of Kibo (14,000 ft.). The only non-volcanic specimen in the collection was a bit of a quartz crystal collected in a stream valley on the mountain at about 8,000 feet.

Professor Judd stated that he had seen the same structure as that described by Mr. Miers, as occurring in the Kilima-njaro felspar, in a very fresh example of the felspar in the Norwegian "Rhomben-porphyr." It did not appear to be a *true* "microcline" structure, though it showed some peculiar analogies with it.

"On the Occurrence of Greenockite in a New Locality." By Prof. M. F. Heddle, F.R.S.E. (p. 133.)

"Note on a Form of Calcite from Heilim, in Sutherland." By Prof. M. F. Heddle, F.R.S.E. (p. 138.)

"Note on the Occurrence of Bismutite in the Transvaal." By H. Louis, F.I.C. (p. 139.)

"Note on Celestine Crystals from Gloucestershire." By R. H. Solly, F.G.S. (p. 142.)

"Note on Apatite Crystals from Cornwall." By R. H. Solly, F.G.S. (p. 141.)

"Note on the presence of Lead in Calcite from the Leadhills District." By J. Stuart Thomson. (p. 143.)

"On the Use of the Gnomonic Projection." By H. A. Miers, M.A. (p. 145.)

Professor Judd exhibited a specimen of the new mineral "Awalruite," discovered by Prof. Ulrichs, which was a terrestrial alloy of Nickel and Iron (Ni_2Fe), being Nickel 67.63 per cent., and Iron 31.02 per cent., and which proved to be identical with the Octibbeha meteorite. Prof. Bonney remarked that the mineral occurred in an olivine sand, derived no doubt from peridotite rocks.

Colonel McMahon exhibited a sapphire from the Himalayas, which he thought some of the members might like to see, as it was of well-defined crystalline form, and showed well the characteristic habit of the Himalayan mineral. He regretted that he could not give the members

much information about the Himalayan sapphires. They came from the south-east portion of the territories of the Maharaja of Kashmir, called Padar, or Padam, on the borders of Zanskar—a particularly inaccessible corner of the Himalayas. As far as he could learn, a landslip revealed a vein of blue and white corundum in crystalline rocks in the year 1880-81. At first no importance was attached to the find, as the villagers thought the mineral was quartz, and valueless. Colonel McMahon was within about 30 miles of the place in September 1881, but heard nothing of the find at the time. As soon as the value of the mineral became known the Maharaja of Kashmir sent troops to the spot; caused the bridges leading into the valley to be broken down; and put a stop to any English or native traveller visiting it. Hence no geologist had been able to inspect the locality. He believed that the vein had since been worked out; but he saw no reason why similar sapphire veins should not be discovered hereafter in adjoining parts of the Himalayas.

GENERAL MEETING.

Held at the Museum, Jermyn Street, May 10th, 1887.

L. FLETCHER, M.A., President, in the Chair.

The following papers were read :—

“ Microscopical Studies on some Eruptive Rocks from the Caucasus and Armenia.” By Dr. Hjalmar Gylling. (p. 155.)

“ Note on some Specimens of Glaucofane Rock from the Ile de Groix.” By Rev. Prof. T. G. Bonney, LL.D. (p. 150.)

“ Note on Francolite.” By F. H. Butler, M.A. (p. 164.)

“ On the Crystalline Form of Kreatine.”¹ By the President.

“ On a Granite containing Andalusite, from the Cheesewring, Cornwall.” By J. J. H. Teall, M.A., F.G.S. (p. 161.)

“ On the Meteoric Iron seen to fall in the District of Nejed, in Central Arabia, in the Spring of 1865.”¹ By L. Fletcher, M.A., President.

Prof. Judd exhibited some specimens and sections of Tabasheer, and other forms of Opal.

¹ Will appear in the next Number.

Mineralogical Society—Abstract of Receipts and Payments from 1st January to 31st December, 1886.

RECEIPTS.		PAYMENTS.	
£	s. d.	£	s. d.
Balance from year 1885	15 1 0	Printing	72 9 9
Subscriptions for current year	79 14 0	Illustrations	16 19 0
" Arrears	4 4 0	Expenses of Meetings	5 13 6
Entrance Fees and Life Composition	17 16 6	Editorial and Clerical Expenses	12 12 0
Sale of Publications	17 15 6	Postages, Parcels, &c.	8 17 0
Dividends on Stock	5 16 1	Investments	12 16 1
Prof. Bonney:—Payment on Plate J, Vol. VII.	3 3 0	Advertisements	0 14 6
R. H. Solly:—Extra Copies	1 13 6	Charge for keeping Stock of Publications and Insurance	5 9 0
Dr. Heddle:—Payment of charge on Cheque	0 0 6	Stand for Box containing Records	0 16 9
		Balance	8 16 6
	<u>£145 4 1</u>		<u>£145 4 1</u>

Examined and compared with the vouchers and found correct. (Signed)

BENEDICT KITTO, }
F. W. RUDLER, } AUDITORS.

LIABILITIES.		ASSETS.	
£	s. d.	£	s. d.
Editorial Expenses, 1886	10 10 0	Subscriptions for 1886 unpaid	29 2 0
Clerical	6 6 0	" 1885	14 14 0
Williams & Strahan, Printing, &c.	15 13 0	" 1884	5 5 0
S. Miller—Illustrations	1 15 0	Entrance Fees unpaid	2 2 0
Advertisements	0 5 0	New 3 Per Cents. £204 8s. 3d. at 10½	206 19 4
Museum of Practical Geology, Gas, &c.	0 13 6	Stock of Publications (average yearly sale)	20 1 8
Excess of Asset over Liabilities	265 5 6	Stimpkin & Co., Sale of Publications	12 17 8
		Sale of Publications by Office—unpaid	0 10 0
		Cash in hand and at the Bank	8 16 6
	<u>£300 7 11</u>		<u>£300 7 11</u>

Examined and compared with the vouchers and found correct. (Signed)

ROBERT H. SCOTT, }
General Secretary.

MINERALOGICAL SOCIETY..

DONATIONS FROM JULY 1ST TO DEC. 31ST, 1886.

- The Fifth Annual Report of the United States Geological Survey, by J. W. Powell; Bulletin of the U. S. Geological Survey, Nos. 24 to 29; and Monograph on the Brachiopoda and Lamellibranchiata of the Raritan Clays and Greensand Marls of New Jersey. By Robert P. Whitfield.
Presented by the United States Geological Survey.
- Proceedings of the Academy of Natural Sciences of Philadelphia. Part I., Jan. to March 1886. Presented by the Academy.
- The American Journal of Science; current numbers. Presented by the Editors.
- The American Chemical Journal for August and October. Presented by the Editor.
- Notes on the Peridotite of Elliot Co., Kentucky, by J. S. Diller; and on Turquoise from New Mexico, by F. W. Clarke and J. S. Diller.
Presented by J. S. Diller, Esq.
- On the Brookite from Magnet Cove, Arkansas, by Edward S. Dana; and on two hitherto undescribed Meteoric Stones, by E. S. Dana and S. L. Penfield.
Presented by Professor E. S. Dana.
- Observations on Volcanic Eruptions and Earthquakes in Iceland within historic times. By George H. Boehmer. Presented by the Author.
- Descriptive Catalogue of a Collection of the Economic Minerals of Canada. By the Geological Corps; A. R. C. Selwyn, Director.
Presented by the Geological Survey of Canada.
- Catalogue of Geological Exhibits in the New Zealand Court, Colonial and Indian Exhibition. By Dr. James Hector, C.M.G., F.R.S.
Presented by the Geological Survey of New Zealand.
- Report of the Mining Registrars of Victoria for the quarter ending 31st March, 1886.
Presented by R. T. Litton, Esq.
- Report of Committee of Management of the Technological, Industrial and Sanitary Museum of New South Wales for 1885. Presented by the Committee.
- President's Address to the Royal Society of New South Wales. By Professor A. Liversidge, F.R.S. Presented by the Author.
- Transactions of the North of England Institute of Mining and Mechanical Engineers. Vol. XXXV. Parts 3 and 4. Presented by the Institute.
- Proceedings of the Bristol Naturalists' Society. New Series, Vol. V. Part I. Presented by the Society.
- The Naturalist: current numbers. Presented by the Editor.
- The Moloch of Paraffin. By Charles Marvin. Presented by the Author.
- Annalen des k.-k. naturhistorischen Hofmuseums, Wien. Redigirt von Dr. Franz Ritter von Hauer. Band I. Nos. 3 and 4. Presented by the Editor.
- Jahrbuch der k.-k. geologischen Reichsanstalt, Wien: Band XXXVI. Heft 2 and 3. Verhandlungen, Nos. 8 to 14. 1886. Presented by the Institute.
- Mineralogische und petrographische Mittheilungen: von G. Tschermak. N. F., Bd. VII. Heft VI.; Bd. VIII. Heft. I. and II. Presented by the Editor.
- Zeitschrift für Naturwissenschaften, Folge IV., Bd. V. Hefte 1-6.
Presented by the Editors.

- Vorträge und Mittheilungen. Von G. vom Rath. Presented by the Author.
 Mineralogische Notizen. 1886. Von G. vom Rath. Presented by the Author.
 Worte der Erinnerung an Prof. Dr. A. von Lasaulx. Von G. vom Rath.
 Presented by the Author.
 Seccion de Minas del Departamento de Obras públicas de la República Argentina.
 Primer Año, 1885. Presented by L. Albertini.
 Beobachtungen an Stassfurter Vorkommnissen; von Dr. O. Leudecke. Ueber ein
 neues Vorkommen von Bloeditkrystallen im Leopoldshaller Salzwerke: Von
 Dr. O. Leudecke. Presented by the Author.
 Ackererde und Untergrund von Franzenshütte. Von Prof. Dr. Carl Schmidt.
 Presented by the Author.
 Zur Dyas in Hessen. Von H. B. Geinitz. Presented by the Author.
 Verhandlungen des deutschen wissenschaftlichen Vereins zu Santiago. Heft. 3.
 Presented by the Society.
 Bulletin de la Société Française de Minéralogie. Tome IX. No. 5.
 Presented by the Society.
 Sur la Kirwanite et la Hullite; Propriétés optiques de l'Arséniosiderite; Propriétés
 optiques de quelques minéraux; Examen optique de l'hydrotéphroite et
 l'anthophyllite hydratée; Propriétés optiques de la Grünerite; Du
 Chloritoïde; Etude minéralogique du gabbro à anorthite de Saint-Clément;
 Sur un minéral probablement nouveau dans le guano du Perou; Identité de
 la Dréelite et de la Barytine; Propriétés optiques de la Warwickite et de la
 Withamite; Pléochroïsme de la Thulite; Contributions à la connaissance des
 propriétés optiques de quelques minéraux; Sur l'albite des Pegmatites de
 Norwège; Note sur les Anthophyllites; and Description d'une Variété de Car-
 phosidérite. All by M. A. Lacroix. Presented by the Author.
 Publications de l'Institut Royal Grand Ducal de Luxembourg. Tome XX., 1886.
 Presented by the Institute.
 Atti della Reale Accademia dei Lincei. 1886; Fasc. 1 to 9, 1st Semestre, 1887.
 Presented by the Academy.
 Atti della Società Toscana di Scienze Naturali: Processi verbali, Vol. V. pp. 80-118.
 Presented by the Academy.
 Bolletino del R. Comitato Geologico d'Italia, Nos. 5-8, 1886.
 Presented by the Commission.
 Annales de la Sociedad Científica Argentina. Marzo-Julio, 1886.
 Presented by the Society.