

WALKER MINERALOGICAL CLUB*

OFFICERS 1949

Honorary President, A. L. Parsons, *President*, M. H. Froberg, *Past President*, G. E. Steel, *Secretary-Treasurer*, W. M. Tovell, *Editor*, M. A. Peacock, *Councillors*, F. Ebbutt, R. B. Ferguson, I. H. Milne, E. W. Nuffield, L. G. Smith.

ABSTRACT OF PROCEEDINGS, 1949

February 10, 1949. Dr. V. B. Meen, Associate Director, Royal Ontario Museum of Geology and Mineralogy, addressed the Club on the subject "Fundy's Minerals." Dr. Meen described and illustrated with specimens and coloured slides mineral occurrences of Nova Scotia, emphasizing the zeolite localities where he collected along the shores of the Bay of Fundy. Two specimens of stilbite from Nova Scotia were offered as door prizes.

April 21, 1949. Dr. F. G. Smith, Assistant Professor in the Department of Geological Sciences, University of Toronto, spoke to the Club on the subject "Determining the Temperature of Mineral Formation." The talk was illustrated by experiments devised in collaboration with P. A. Peach. Following Dr. Smith's address, W. H. Gross, G. D. Springer, H. S. Scott, and L. G. Phelan spoke briefly on the application of the temperature of mineral formation to the solution of particular geological and mineralogical problems.

September 30–October 2, 1949. On the occasion of the annual mineral collecting trip, the Club met at Drag Lake Lodge, Haliburton County, Ontario. Dr. V. B. Meen and Mr. G. E. Steel acted as guides. The highlight of the trip was the visit to the Fission Mines property at Wilberforce, where good specimens of uraninite, apatite, fluorite and calcite were obtained. At other localities, serpentine, wilsonite, tremolite, peristerite, and cancrinite were collected.

December 8, 1949. Mr. F. Ebbutt spoke to the Club on the subject "Some Mineral Caves in Conjunction with the Lead Mines of Chihuahua, Mexico." Before describing the various minerals and their genesis, Mr. Ebbutt reviewed the mining history of the area, and described the occurrence and formation of the caves. The talk was illustrated with coloured slides, and many fine specimens collected by the speaker were on display.

The Council of the Walker Club wishes to acknowledge the courtesy of the Council of the Mineralogical Society of America in again making possible the publication of a Canadian number of *The American Mineralogist*.

WALTER M. TOVELL
Secretary-Treasurer

* Founded in 1938 and named in honour of the late Professor T. L. Walker (1867–1942), then Professor Emeritus of Mineralogy and Petrography in the University of Toronto and Director of the Royal Ontario Museum of Mineralogy. The by-laws of the Club were published in *Am. Mineral.*, **34**, 469, 1949.

CIPEA NO. 2

FOURTH INTERNATIONAL CONGRESS OF SOIL SCIENCE

This Congress is to be held in Amsterdam on July 24 to August 1, 1950, with a post-Congress excursion (15 days) through Holland and Belgium. The programme includes a "Section of Clay Minerals" with the following subjects for discussion:

Invited:

- General lecture: The Electrochemistry of clay minerals in relation to pedology Prof. Dr. C. E. Marshall
- Subjects: 1. The structure of clay minerals Dr. G. W. Brindley
2. Genesis and synthesis of clay minerals and their mutual transformation (Prof. Dr. I. D. Sedletzky)
3. a) Interstratified clay minerals Dr. W. F. Bradley
- b) Influence of shape and interstratification on X-ray diagrams of clay minerals Prof. J. Mering
4. Differential thermal analysis of clay minerals R. C. Mackenzie
5. Crystal structure and ion exchange (Dr. S. B. Hendricks)
6. Solvation of clay minerals in relation of crystal structure Dr. D. M. C. MacEwan

In addition to the "Section of Clay Minerals" the following subject occurs under the heading of "Section of Soil Chemistry":

- "2. Determination of Exchange Capacity and Exchangeable Ions
- a) Clay minerals in Soils."

There is also to be a meeting of an informal group on the "Technology of Clay Minerals," with the following provisional programme:

General lecture: General review of the technology of clay minerals by Dr. R. E. Grim.

Subjects: Fixation of organic matter on clay minerals

- Changes which occur on heating clays
- Changes which occur on firing clay minerals
- Clay minerals as catalyts.

Members wishing to contribute papers should contact Dr. Favejee (Geological Laboratory, Duivendaalse laan 2, Wageningen, Holland).

THIS INFORMAL MEETING ONLY will be open to all members without the necessity of paying the Congress Fee. Members wishing to attend the "Section of clay Minerals" and/or any other Section of the Congress will be required to pay their Congress Fee.

The Congress Fee is 15 U.S. dollars or its equivalent in Dutch guilders for a member; 4 U.S. dollars or its equivalent for an accompanying relative. Prospective members are requested to pay this fee by obtaining through a bank and by remitting to the Amsterdamsche Bank in The Hague (Netherlands) in favour of the Treasurer of the Organising Committee of the Fourth Intern. Congress of Soil Science, a draft made payable to the Amsterdamsche Bank in The Hague.

Further details regarding accommodation etc., may be secured from Dr. P. A. Rowan, Secretary of the Organising Committee of the Fourth Congress of Soil Science, 3 van Hallstraat, Groningen (Netherlands).