

## WALKER MINERALOGICAL CLUB\*

### OFFICERS 1953

*Honorary President*, A. L. Parsons; *President*, C. C. Stevenson; *Past President*, J. A. MacDonald; *Secretary*, Mrs. W. H. Bush; *Treasurer*, Mrs. M. H. Frohberg, *Editor*, L. G. Berry; *Councillors*, F. Ebbutt, R. Ford, D. Hogarth, V. B. Meen.

### ABSTRACT OF PROCEEDINGS, 1953

*January 22, 1953.* Dr. V. B. Meen, Director of the Royal Ontario Museum of Geology and Mineralogy, addressed the Club on Mineral Collecting in the United States, 1952. Dr. Meen illustrated his talk with color slides and showed mineral specimens. Refreshments were served.

*February 19, 1953.* Mr. C. V. G. Phipps, instructor in the Department of Geological Sciences at the University of Toronto, spoke on An Excursion Around Australia. Mr. Phipps also showed color slides and exhibited specimens of Australian minerals.

*March 19, 1953.* A letter from Colonel J. J. Livingston inviting the Club to join the Mineralogical Society of the District of Columbia in a collecting trip at some future date, was read. An auction, sale of minerals, lucky draws and "indoor" collecting were held in the basement workrooms of the Royal Ontario Museum of Geology and Mineralogy. Refreshments were served.

*April 16, 1953.* The President announced that 11 members would be driving to Washington in May to join the Mineralogical Society in a collecting trip. Mr. D. Hogarth, graduate student of University of Toronto, spoke on Mineralogy of a Vein at the Nicholson Uranium Mines, Lake Athabaska. Mr. D. H. Gorman, lecturer in the Department of Geological Sciences, University of Toronto, spoke on twinned crystals. Dr. E. W. Nuffield, assistant professor in the Department of Geological Sciences, University of Toronto, addressed the Club on Recent Research on the Torbernite Minerals.

*May 23, 1953.* The annual Spring Field Trip took place at the quarries of the Canada Crushed Stone Company near Dundas where blue celestite was collected. A picnic lunch was held at Webster's Falls.

*October 2-4, 1953.* The Club met at Drag Lake Lodge, Haliburton for the Autumn Field Trip. Members were divided into 3 groups for collecting. One group led by Mr. G. Steel collected tremolite, scapolite, sunstone, etc. A second group under Mr. R. Ford visited the Cardiff Mines, Hill Top Mine and Fission Mine and gathered uraninite, fluorite, apatite, magnetite, scapolite. Dr. V. B. Meen led a third group to Fish Tail Lake where garnets and iolite were gathered. Friday evening color slides of previous collecting trips as well as individual trips by the members, were shown. On Saturday evening, Dr. V. B. Meen spoke to the Club briefly on his recent discovery of a second meteoritic crater lake in northern Quebec and illustrated his talk with color slides. Color slides of Glacier National Park were shown by Mr. and Mrs. F. La Rheir, American visitors from Detroit. Fluorescent minerals donated to the Club by Mr. E. J. Tolamini of New Jersey, were then distributed to members.

\* Founded in 1938 and named in honor 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.

*October 30, 1953.* A joint meeting of the Metal Arts Guild and Walker Mineralogical Club was held. Miss Nancy Meek, Miss Margaret Goodfellow and Mr. J. Sullivan of the Metal Arts Guild spoke on their preference in cut stones and exhibited samples of their jewellery. Mr. G. Waite listed 40 varieties of Canadian gemstones and gave their sources. Mr. G. Steel showed slides of lapidary equipment used by various members, while Mr. J. N. A. Pelletier showed a motion picture of a lapidary at work. Mr. A. Fussel spoke briefly on the making of silver spoons, then passed around samples of his work.

*November 19, 1953.* Mr. F. Ebbutt announced that recent donations to the Peacock Memorial Prize Fund by mining firms totalled \$1,733.36. Mr. D. H. Gorman briefly summarized one of the papers entered for the Peacock Memorial Prize—The Coalescence of Hexagonal and Cubic Polymorphs in Tetrahedral Structures as Illustrated by some Wurtzite-Sphalerite Crystal Groups by R. S. Mitchell and Alice S. Corey. Dr. Ernest H. Nickel was announced as the winner of the 1953 Peacock Memorial Prize and was presented with a check for \$100. Mr. Nickel then gave his prize winning paper entitled (in two parts) Part 1. The distribution of major and minor elements among some co-existing ferromagnesium silicates. Part 2. The distribution of iron, manganese, nickel and cobalt between co-existing pyrite and biotite in wallrock alteration. The prize-winning paper appears in this number of the *American Mineralogist*, **39**, 486–503.

Dr. V. B. Meen commented briefly on a field trip he had conducted to Haliburton and Renfrew County for members of the Geological Society of America which had met in Toronto the previous week.

*December 10, 1953.* Mr. M. G. Sauvage, gemmologist and diamond buyer for T. Eaton C. Ltd., spoke on Precious Stones and exhibited a collection of cut stones.

The Council of the Walker Mineralogical 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*.

MRS. HELEN BUSH, *Secretary*

*Peacock Memorial Prize.* A prize of \$100 is again offered by the Walker Mineralogical Club for the best paper on pure or applied mineralogy (including petrology) submitted by a graduate student of any university or similar institution. Closing date June 30, 1954. For further conditions write Secretary, Walker Mineralogical Club, 100 Queen's Park, Toronto.

### CLAY MINERAL TECHNOLOGY

is the theme of the Third National Clay Minerals Conference to be held at the Rice Institute, Houston, Texas, October 27–28–29, 1954. The Conference is sponsored by the Clay Minerals Committee of the National Research Council. A special part of the program will be devoted to fundamental or applied papers. Anyone interested in presenting papers in *any* of these or *other* fields pertaining to clays or related minerals is invited to announce their intentions to A. F. Frederickson, Washington University, St. Louis 5, Missouri, on or before July 15, 1954.

A detailed program, including field-trip information, will be available on request in August, 1954. *Everyone* interested in any aspect of clay mineralogy, technology or related fields is cordially invited to attend the Conference.