

## BOOK REVIEW

MANUAL OF SEDIMENTARY PETROGRAPHY. By W. C. KRUMBEIN AND F. J. PETTJOHN. D. Appleton-Century Company, *New York*. 1939. XIV+549 pages. Price \$6.50.

The book is divided into two parts. Part I, written by the senior author, embraces 10 chapters covering 274 pages. This section is devoted to a discussion of the following topics: collection and preparation of samples, mechanical analysis, graphic presentation of analytical data and statistical and orientation analysis of sedimentary particles.

Eleven chapters comprise Part II by the junior author. Here shape analysis, mineralogical and chemical analysis and mass properties are treated in considerable detail. The optical properties of about 55 minerals are listed and their appearance and relief expressed in line drawings as seen in a balsam mount.

The book summarizes the techniques, information and data that have appeared in widely scattered journals, many outside the field of geology proper. Those students who are mathematically inclined will find that this and the theoretical phases have not been overlooked. It is the first comprehensive American book in this field and the soil geologist and sedimentary petrologist will find it an extremely useful text.

W. F. H.

## PROCEEDINGS OF SOCIETIES

NEW YORK MINERALOGICAL CLUB, INC.

*The American Museum of Natural History, New York City*  
*Meeting of March 15, 1939*

The meeting was called to order by First Vice-President Lee at 8:10 P.M., with 67 members and guests present. Announcement was made of the Spring Excursion to Trumbull, Connecticut, to take place in May.

The speaker of the evening, Dr. Frank Schairer of the Geophysical Laboratory of the Carnegie Institution of Washington, was then introduced. He spoke to the members upon the minerals of "The Pyroxene Family." In this talk he traced the work of the Geophysical Laboratory and the problems which are facing them in the final solution of the pyroxene series. After some discussion the meeting was adjourned for the examination of typical specimens brought by Dr. Schairer from the United States National Museum to illustrate his talk.

F. H. POUGH, *Secretary*

NEW YORK MINERALOGICAL CLUB, INC.

*The American Museum of Natural History, New York City*  
*Meeting of April 19, 1939*

The meeting was called to order by First Vice-President Lee at 8:15 P.M. with 75 members and guests present. Announcement was made of the Spring Excursion to Long Hill, Trumbull, Conn., on May 7th. The election of officers for the next year followed. They are:

*President:* Harry R. Lee.

*First Vice-President:* O. Ivan Lee.

*Second Vice-President:* James F. Morton.

*Secretary:* Frederick H. Pough.

*Treasurer:* James A. Taylor.

*Director:* Gilman S. Stanton

The speaker, Mr. Samuel G. Gordon of the Philadelphia Academy of Natural Sciences, was then introduced. He told the members of his collecting trip in Peru and Chile in search of minerals. Mr. Gordon travelled on a specially designed motor-cycle over the cart roads of the Atacama Desert, visiting nitrate and copper mines. He was well rewarded by many fine specimens, some of which were shown to the members after the talk. He emphasized the size of the copper mine at Chuquicamata and said that until now no real collecting had been done at the locality. Sierra Gorda was another locality which had been neglected, but it is now too late, as most of the mines are closed. However, the reserves at Chuquicamata are so enormous that many fine minerals can still be found there. The meeting adjourned at 9:45 to examine the specimens.

F. H. POUGH, *Secretary*

#### NEW HAVEN MINERAL CLUB

The New Haven Mineral Club has just completed its sixth season. At the October meeting Charles Thomas of Wallingford was elected President; Frederick Fowler of New Haven, Vice-President, Lillian M. Otersen of West Haven, Secretary, and Sadie Crowley of New Haven, Treasurer.

At the October meeting the members displayed the best specimens they had collected the preceding summer and made plans for the winter speakers. In November the Program Committee invited Stephen Varni who gave an illustrated talk on various outstanding gems and displayed some fine gems and mineral specimens. At the December meeting the club had the pleasure of hearing John Grenzig of Brooklyn, New York, talk on his 50 years' experience collecting mineral oddities.

In January, Arthur Montgomery of New York City gave an illustrated lecture on his collecting in Alaska and the Western section of the United States. James Morton, Curator of the Paterson Museum, visited the club and gave his experiences in collecting at the zeolite localities in Nova Scotia and also at the famous Paterson Quarries.

In March Professor Daniel T. O'Connell of the City College of New York gave an illustrated lecture on the Grand Canyon and the geological story of this famous region.

At the last meeting of the year, April 10, the members were fortunate to see a professional lapidary at work. Mr. John Vlismas of New York City gave a demonstration of cutting and polishing, and finished two paper weights of onyx inlaid with malachite and Death Valley onyx.

The following summer outings have been arranged.

April 16, Morris Dam, Woodbury and Southbury will be visited where there is an abundance of smoky and rose quartz.

May 21, Tungsten Mine at Long Hill, where many fine specimens of fluorite, scheelite, topaz and the tungsten ores may be gathered.

June 18, Gillette Quarry at Haddam Neck and Rock Landing, where specimens of gem quality tourmaline may be found.

July 16, Tilly Foster, serpentine location with clinochlore, brucite and many other fine minerals in abundance.

Aug. 20, Diamond Ledge, West Stafford, Conn., a famous quartz locality.

Sept. 17, Bedford, New York, one of the most famous feldspar quarries.

Oct. 15, Roxbury iron and garnet localities.

LILLIAN M. OTERSEN, *Secretary*