

PROCEEDINGS OF SOCIETIES

ABSTRACTS OF MINUTES OF THE NEW YORK MINERALOGICAL CLUB

Meeting of November 17

Mr. James G. Manchester presented to the club a book of photographs recording the early activities of the club. Dr. William A. Mudge of the International Nickel Company spoke briefly on the early history of the nickel industry and presented a sound film of the mining and processing of nickel and copper by his company.

Meeting of December 15

Mr. Jay T. Fox addressed the meeting on "Photographing Your Minerals in Color," illustrating the lecture with his own excellent color slides. The advantage of a dye film over a grain film (black and white) for giant enlargements was explained and the necessity for precision of exposure time and rigidity of equipment was emphasized.

Meeting of January 19

The president, Mr. Taylor, announced the death of Mr. George L. English on January 2 at Winter Park, Florida. Various members paid tribute to Mr. English, describing his interest in rare earth minerals and the important part he played in the assembling of many of the mineral collections of his day. Dr. Clifford Frondel spoke on "Mineralogical and Industrial Aspects of Twinning," illustrating his lecture with photographs of various twins of common minerals and discussing the part that twinning in quartz plays in the manufacture of quartz oscillator plates for radio transmission.

Meeting of February 16

Mr. Ernest Weidhaas, long a member of the club, spoke on "Freak Simulations in Minerals." He gave a historical sketch of the early uses of such simulations as amulets and talismans and told of his own experiences in accumulating his extensive collection. Specimens from this collection displayed by Mr. Weidhaas included simulations of fruit, animals, and famous people.

Meeting of March 15

Mr. Ralph J. Holmes of the teaching staff of Columbia University addressed the meeting on "X-Ray Diffraction in its Role in Modern Mineral Study." He gave a brief and lucid description of the various techniques of *x*-ray diffraction research and showed the instruments involved in each. Drawing examples from his own research, Mr. Holmes described problems whose solution had depended chiefly on *x*-rays, but emphasized the advisability of using all available techniques in solving the problems of crystal structure analysis. The attendance at the meeting was the maximum for the present year.

ELIZABETH ARMSTRONG, *Secretary*