

The reader will rarely be reminded that this is basically a translation. It is a tribute to Professor Holtedahl and his colleagues that, notwithstanding the 21 contributors, the text carries little of the "Tower of Babel" effect so common to multiple author surveys. The printing errors are few, and the illustrations, with some exceptions, (Fig. 58, p. 195; Fig. 129, p. 396, for example) are adequate. The 19 plates and two maps are a credit to the publication. For the mineralogist the content may appear unbalanced; for example, 171 pages are used for the Quaternary and only 92 pages for the Precambrian.

Rare is the individual with the catholic interest to read this book from cover to cover, however, it will serve as a fundamental reference for years to come. It is for this reason that the lack of any index greatly restricts the value of this excellent contribution.

This synthesis of the geological investigations in Norway up to 1960 contains much information for both "The Friends of the Pleistocene" and those who look upon all rocks younger than Precambrian as "cover." Do not allow the price to preclude the purchase of this book without an individual perusal.

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PUBLICATIONS RECEIVED

Univ. Leeds, Res. Inst. African Geol. 6th Ann. Rept. Sci. Results Sess. 1960-61. 59 pp. 1961.

A. H. VAN DER VEEN. A study of pyrochlore. *Verh. Kon. Nederlands Geol. Mijnbou. Genootschap. Geol. Ser. 22*, 188 pp., 19 plates.

TOSHIO SUDO. *The Principles of Mineralogy.* The Asakura Publ. Co., Ltd. Japan. 1963. 565 pp. (in Japanese).

Association Géologique Carpaté-Balkanique V-ème Congrès 4-19 Sept. 1961, Bucarest. Guide des Excursions. A. Baia Mare B. Carpatés Orientales C. Carpatés Meridionales D. Dobrogea.

Acta Geologica Alpina, No. 8. *In Memoria de Ciro Andreatta*, 1962. 486 pp. 16 papers, chiefly on the petrology of Italian igneous and metamorphic rocks.

Stromboli. Rivista Internazionale di Vulcanologia. No. 8. (no date) Four articles on vulcanology and volcanoes; one on determination of 2V from bisymmetrical interference figures.

Diamant. No's 49 and 50. March, April, 1963. An international monthly magazine of diamond news. Consciencestraat, 18 Antwerp, Netherlands.

NOTICES

INTERNATIONAL MINERALOGICAL ASSOCIATION

The following notice supersedes the earlier announcement (*The American Mineralogist* 48, 222, 1963) on the place of meeting of the International Mineralogical Association in India in December 1964.

The fourth general meeting of the Association will now take place in New Delhi concurrently with the twenty-second session of the International Geological Congress, December 14 to 22, 1964. Notice to this effect is contained in the second circular (p. 6.) of I.G.C. issued in Calcutta, September 1, 1963.

There will be no special field excursions offered by I.M.A., and arrangements have now been made for attending members to register for hotel accommodation in New Delhi and for field excursions of the International Geological Congress (see I.G.C. second circular for the description of these). Applications should be made directly to the Secretary General, Organising Committee of the International Geological Congress, Geological Survey of India, 27, Chowringhee, Calcutta 13, India, to be received before 1st February, 1964.

A registration fee of Rs. 20/- should at the same time be forwarded to Professor P. R. J. Naidu, Department of Geology, Panjab University, Chandigarh 3, Panjab, India.

During the sessions in New Delhi, the I.M.A. meetings will take place between December 14 and 22, 1964, for the equivalent of six half day sessions of scientific papers, and in addition—two half day sessions at the beginning for Commission and business meetings. The exact dates for these sessions will be made known later.

As announced in the previous notice (*The American Mineralogist*, 48, 222, 1963) two symposia and an open session for other topics of interest to mineralogists will be held.

The subjects for the two symposia are:

1. Zeolites, natural and synthetic.
2. Carbonatites, kimberlites and their minerals.

The Chairmen-Editors for the two symposia are respectively, Professor J. V. Smith, Department of Geophysical Sciences, University of Chicago, Chicago 37, Illinois, U.S.A. (Zeolite symposium), and Professor H. von Eckermann, Edeby, Ripsa, Sweden (Carbonatite symposium).

Titles and abstracts (not to exceed 250 words) of papers intended for these symposia should reach the respective Chairmen-Editors by May 31, 1964.

Titles and abstracts of papers for the open session on other topics should reach the Chairman-Editor of this Session, Dr. M. S. Krishnan, National Geophysical Research Laboratory Osmania University, Hyderabad 7, India, by the same date.

C. E. TILLEY