

## BOOK REVIEW

**Clay Minerals, Their Natural Resources and Uses**, edited by K. Nagasawa. Proceedings of the 29th International Geological Congress Workshop WB-1, August 29 and 30, 1992, Nagoya, Japan. 159 pages.

This proceedings contains 17 papers on various clay deposits including kaolins, smectites, illite, attapulgite, and sepiolite. Kaolin and halloysite deposits from several localities are described, including those from the Nagoya area in Japan. In addition, 94 kaolin deposits from China are plotted on a map, several of which are described. The proceedings also includes five kaolinites from western Azarbayejan, Iran; kaolinites from the Sacheong area in Korea; and the Elena kaolin deposit in the southern Urals, Russia.

M. Kuzvart's review paper in this volume covers the "Origin, Resources, and Utilization of Clays." A paper by K. Tazaki describes "The Origin and Genesis of Primitive Clay Precursors and Halloysite Formed on Feldspar" using high resolution TEM with EDX that revealed a poorly ordered hydrate silicate phase that then is transformed into halloysite. H. Minato's paper describes the weathering of granite rocks in the Akana area of Western Japan. Y. Uno covers the exchange cations and thermal properties of smectite from the

Niizata prefecture, Japan. P. A. Schroeder presents a multiple reaction mechanism model for illitization during burial diagenesis. Y. Shibasaki *et al.* describe a synthesis technology for kaolinitic clay, and Zhou *et al.* have an interesting paper on "The Technological Properties of Paper Coating Kaolins and the Relations to the Genetic Types of Kaolin Deposits of China." Other papers in the volume describe bentonites from the Yangnam area in Korea, purification of sepiolite associated with dolomite, the use of Turkish sepiolite as a ceramic raw material, and the geology and genesis of attapulgite deposits on the Jiangsu-Anhui border in China.

Although there are several spelling and grammatical errors, this proceedings contains much information that a clay mineralogist should have in his or her private library. Company, government or academic libraries will also find it of value. The volume may be purchased by writing to Professor K. Nagasawa, Tokoha Gakuen Hamamatsu University, 1230 Miyakoda-machi, Hamamatsu 431-21, Japan, with a remittance of 3500 yen, postage included, to "Workshop WB-1 of 29th IGC," account number 1097515 at Hamamatsu Branch of Toaki Bank.

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