FOR YOUR BOOKSHELVES . . .

NEW BOOKS

Aramaki, S. and Nozawa, T. A REFERENCE BOOK OF CHEMICAL DATA FOR JAPANESE GRANITES.

Published by Japanese national committee for Geodynamics Project, 78-1, (1978), 88p. A useful compilation of chemical analyses for approximately 1,200 granite samples from Japan taken from the existing literature but with duplications deleted and with misprints corrected. Information on availability from: S. Aramaki, Earthquake Research Institute, University of Tokyo, 1-1-1, Yayoi, Bunkyo-ku, Tokyo, 113, Japan.

Lemoine, M. (ed.) GEOLOGICAL ATLAS OF ALPINE EUROPE AND ADJOINING AREAS.

Elsevier Scientific Publishing Company, P.O. Box 211, Amsterdam, The Netherlands or Elsevier North-Holland Inc., 52 Vanderbilt Avenue, New York, N.Y. 10017, USA, (1978), 588p. US\$152.25, 350.00 Dfl.

Ringwood, A.E. SAFE DISPOSAL OF HIGH LEVEL NUCLEAR REACTOR WASTES: A NEW

STRATEGY. Australian National University Press, Canberra, Australia, and Norwalk, Conn., U.S.A., (1978), 63p.

Tanaka, K. and Nozawa, T. (eds.) GEOLOGY AND MINERAL RESOURCES OF JAPAN. Third Edition,

Volume I: Geology. Geological Survey of Japan, 135 Hisamoto, Takatsu-ku, Kawasaki-shi, Japan, (1977), 430p., US\$45.00 including postage (in English). Available from: Chigaku Bunken Center, Sakae-cho, 1-18-16, Fuchu-shi, Japan 183. This edition is completely revised version of the second edition which appeared in 1960. It includes many correlation charts as well as useful, partly coloured, fold-out maps. Volume 2 will deal with mineral resources

Tatsumi, T. (ed.) BASIC PROBLEMS OF ORE GENESIS.

Tokyo University Press, Japan. First edition (1977) and second printing (1978), 257p. (in Japanese). (Professor Tatsumi is a Vice President of IUGS).

Zwart, H.J., Sobolev, V.S., Niggli, E. (eds.)

METAMORPHIC MAP OF EUROPE: 1:2 500 000. EXPLANATORY TEXT. Commission for the Geological Map of the World, Subcommission for the Cartography of the Metamorphic Belts of the World, Leiden and Unesco, Paris, (1978), 244p.

PROCEEDINGS OF CONFERENCES AND SYMPOSIA

Ahrens, L.H. (ed.) ORIGIN AND DISTRIBUTION OF THE ELEMENTS.

Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, U.K., (1978), 1000p. US\$80.00. Proceedings of a conference, cosponsored by IAGC and UNESCO and held in Paris, 1977, to mark the tenth anniversary of the International Association of Geochemistry and Cosmochemistry.

Bowes, D.R. and Leake, B.E. (eds.) CRUSTAL EVOLUTION IN NORTHWESTERN BRITAIN AND ADJACENT REGIONS. Geological Journal, Special Issue no. 10, Seel House Press, Seel Street, Liverpool L1 4AY, U.K. (1978) 488p, US\$62.00/31.25 pounds. Papers presented at conferences in Glasgow (1977) and Dublin (1978).

PROCEEDINGS OF 25th IGC SYDNEY, AUSTRALIA, 1976

Woakes, M. (compiler) MINERAL RESOURCE MANAGEMENT IN DEVELOPING COUNTRIES: STATE PARTICIPATION, PRIVATE ENTERPRISE OR BOTH?.

Association of Geoscientists for International Development, Report no. 6, (1978), 28 p US\$6.00. Proceedings of AGID Symposium.

INTERNATIONAL GEOLOGICAL CORRELATION PROGRAMME (IGCP) PROCEEDINGS

Catalano, R., Ruggieri, G., and Sprovieri, R. (eds.)

MESSINIAN EVAPORITES IN THE MEDITERRANEAN. Mem. Soc. Geol. Ital., v. 16, (1976), p.1-385, US\$12.00. The volume contains 27 papers in English presented at the IGCP Project 96 seminar held in Erice, Italy in 1975. This recently released volume is dedicated to the memory of the late Professor Carlo Sturani. Copies available from Professor M.B. Cita, Leader, IGCP Project: Messinian Correlation, Department of Geology and Paleontology, University of Milano, Piazzale Gorini 15, Italy.

Cita, M.B. and Ryan, W.B.F. MESSINIAN EROSIONAL SURFACES IN THE MEDITERRANEAN.

Marine Geology, v. 27, (1978), p. 193-363. This volume contains eight papers presented at the Messinian Seminar of IGCP Project 96 held in Gargnano, Italy, 1976.

Grandclaude, P. and Stussi, J.M. (eds.) PROBLEMS AND STANDARDS IN EXCHANGE AND PROCESSING

OF GEOCHEMICAL DATA. COMPARATIVE GEOCHEMISTRY OF TWO-MICA GRANITES FROM VARIOUS OROGENS. IGCP Project 154: Global exchange and processing of information in geochemistry (GEPIC). Proceedings of organizational meeting, Orléans, France, 1978. Sciences de la Terre, Informatique Géologique, No. 11, (1978) 93p., (in English and French).

Proceedings 8th INTERNATIONAL KAOLIN SYMPOSIUM AND MEETING ON ALUNITE, Madrid-Rome,

September, 1977. Meeting jointly sponsored by IGCP Project 23: Genesis of kaolins and the VIII International Kaolin Symposium and Meeting on Alunite. Servicio de Publicaciones, Ministerio de Industria y Energia, Madrid, (1977). Comprised 26 separately authored booklets in one hard cover folder; 20 on kaolin; 6 on alunite.

Proceedings FIFTH MEETING, CIRCUM-PACIFIC

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PLUTONISM PROJECT, Kuala Lumpur, 1975. Geological Society of Malaysia, University of Malaya, Kuala Lumpur 22-11, Malaysia. Bulletin 9, (1978), US\$12.00

Stemprok, M., Burnol, L., Tischendorf, G. (eds.)
METALLIZATION ASSOCIATED WITH ACID MAGMATISM. Volume 3. IGCP Project 26: Mineralization associated with acid magmatism. Geological Survey of Prague, Prague, (1978), 446p.

IGCP NEWSLETTERS

Newsletters of IGCP projects contain much valuable information on the activities of individual projects. Newsletters received at the IUGS Secretariat are listed along with addresses of project leaders or editors from whom newsletters may be obtained.

Project 32: Stratigraphic correlations between sedimentary basins in the ESCAP region: Mineral Resources Section, ESCAP. ESCAP Stratigraphy Newsletter no. 2, March 1978. H.F. Douth, Mineral Resources Section, Natural Resources Division, The United Nations Building, Rajadamnern Avenue, Bangkok 2, Thailand.

Project 60: Caledonian stratabound sulphides. Newsletter 3, February, 1978. F.M. Vokes, Geologisk Institutt, Universitetet i Trondheim, N-7034 Trondheim, Norway.

IGCP PAMPHLET

BRIDGING THE GAPS. A pamphlet on the International Geological Correlation Programme describes its origin, objectives and operation. Copies may be obtained from:

IGCP Secretariat,
UNESCO,
Place de Fontenoy, B.P. 3.07
75700 Paris,
France

NEW MAPS

CIRCUM-PACIFIC MAPS: Southwest Quadrant. Geographic (Catalogue no. 866) US\$20.00, base only (867) US\$6.00. Antarctic Quadrant. Geographic (868) US\$20.00, base only US\$6.00. Handling charge of US\$3.00 on all orders. American Association of Petroleum Geologists, P.O. Box 979, Tulsa, OK 74101, U.S.A.

GEOLOGICAL WORLD ATLAS. The first series of sheets in this atlas, prepared by the Commission for the Geological Map of the World (CGMW), has been recently published by UNESCO. It comprises six sheets which cover North and Central America (2), Africa (3) and the Pacific Ocean (1). The continental sheets are at a scale of 1:10 000 000. This series of six sheets, including hard cover, is available from UNESCO bookstores at 650 Ff or equivalent.

The full set of 22 sheets is expected to be completed for the 26th International Geological Congress, Paris, 1980.

MISCELLANEOUS PUBLICATIONS

INTERNATIONAL SERIALS CATALOGUE (ISC) AND INDEX CONCORDANCE (I/C). ICSU AB, 17 Rue Mirabeau, 75016 Paris, France, (1978), pre-publication prices: ISC US\$35.00, ISC and I/C US\$ 50.00. The ISC will be an alphabetic listing of the full serial title. For each of the thirty thousand key title entries, the abbreviated version of the journal title will be given along with the ISSN and the CODEN. The I/C will appear later and contain ISSN vs. CODEN and CODEN vs. ISSN; it will not be available separate from the ISC.

ENGINEERING GEOLOGICAL MAPS. A guide to their preparation. UNESCO Series on Earth Sciences, No. 15, (1976), 38.00 Ff (or equivalent). Prepared by the Commission on Engineering Geological Maps of the International Association of Engineering Geology. Available from UNESCO bookstores (and not from the Secretary of IAEG as indicated in EPISODES, 1978, no. 2, p. 50).

NEW DATA FILES

API MASTER WELL FILE. The American Petroleum Institute's Master Well File has been released for public access through the University of Oklahoma and the General Electric Mark III Computer Network. The data base contains 419,519 well tickets for the years 1966-1977 in two data sets. The University of Oklahoma Information Systems Programs, P.O. Box 3030, Norman, Oklahoma 73070, U.S.A. Tel: 405-325-1701

NEW JOURNALS

GEOTECHNICAL TESTING JOURNAL

Published by the American Society for Testing and Materials under the sponsorship of ASTM Committee D-18 on Soil and Rock for Engineering Purposes.

Editor: Professor E.T. Selig,
State University of New York,
Buffalo, N.Y., U.S.A.

INTERNATIONAL JOURNAL FOR NUMERICAL AND ANALYTICAL METHODS IN GEOMECHANICS

Published by John Wiley & Sons, under the sponsorship of the International Society for Numerical and Analytical Methods in Geomechanics.

Editor: Professor C.S. Desai,
Department of Civil Engineering,
Virginia Polytechnic Institute and
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OPEN EARTH

A quarterly international magazine reporting on the Earth Sciences, will include short articles on recent advances, longer review articles, public information and book reviews. A major aim will be to review all English-language books published in the earth sciences since January 1, 1978.

Editor: Dr. Peter J. Smith,
The Open University,
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Publications

REPORT SERIES

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2. "HIDDEN WATERS FOR ARID LANDS" Ed. L.A. Heindl.
N.B. A limited number of complimentary copies of Reports 1 and 2 are still available.
3. "NEW DIRECTIONS IN MINERAL DEVELOPMENT POLICIES", Eds. D.J.C. Laming, D.E. Ajakaiye, AGID, 1977, 223 pp. (paperback), \$25.00 U.S.; \$15.00 U.S. to Developing Countries.
4. "PRELIMINARY BIBLIOGRAPHY ON GROUNDWATER IN DEVELOPING COUNTRIES", by D.A.V. Stow, J. Skidmore, and A.R. Berger, AGID, 1976, 305 pp. (paperback), \$15.00 U.S.
5. "GEOSCIENCE EDUCATION IN DEVELOPING COUNTRIES", Ed. P.G. Cooray, AGID, 56 pp. (paperback), \$5.00 U.S.
6. "MINERAL RESOURCE MANAGEMENT IN DEVELOPING COUNTRIES: STATE PARTICIPATION, PRIVATE ENTERPRISE, OR BOTH?", Ed. M.E. Woakes, 1978, 35 pp. (paperback), \$6.00 U.S.

ALSO AVAILABLE:

- DIRECTORY OF GEOSCIENCE DEPARTMENTS IN DEVELOPING UNIVERSITIES. Ed. Victor Ricaldi, 1978. Approx. 50 pp., (paperback), \$8.00 U.S.
- AGID NEWS: Free to members of AGID, By airmail subscription: \$30.00 per year.
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520 pp., illus., 1977, \$49.50

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722 pp., illus., 1975, \$49.50

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613 pp., illus., 1974, \$38.00

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The Fate of Fossil Fuel CO₂ in the Oceans

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Devoted exclusively to a single major atmospheric pollutant, this book explores the serious consequences of the increasing injection of fossil fuel CO₂ into the oceans and its effect on our atmosphere, climate, and environment.

Marine Science, Volume 6. 761 pp., 1977, \$59.50

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