

New Books

- Carbonate Rock Depositional Models: A Microfacies Approach.** CAROZZI, A. V. (1989). *Prentice-Hall*. 604 pp. \$ 68.00.
- Cathodeluminescence of Geological Materials.** MARSHALL, D. J. *Unwin Hymen*. £ 60.
- Evolution and the Fossil Record.** KEITH ALLEN and DEREK BRIGGS (Eds.) (1989). *Belhaven*. 265 pp. £ 25.
- Feldspar Minerals, Vol. 1. Crystal Structures Physical, Chemical and Mineralogical Properties.** SMITH, J. V. and BROWN, W. L. (1988). *Second Revised and Enlarged Edition, Springer Verlag*. 828 pp. \$ 210.
- Geology of North America—an overview.** BALLY, A. W. and PALMER, A. R. (Eds.) (1989). *Geol. Soc. America*. 629 pp. \$ 60.00.
- Hydrogeology.** BACK, W. and OTHERS (Eds.) (1989). *Geol. Soc. America*. 534 pp. \$ 49.50.
- Impact Cratering: A Geological Process.** MELOSH, H. J. (1989). *Oxford Monographs on Geology and Geophysics, Vol. 11. Oxford University Press, New York*. 245 pp.
- Marine Geology: A Planet Earth Perspective.** ANDERSON, R. N. (1989). *2nd Edition, Wiley, New York*. 328 pp. \$ 39.59.
- Origin of Igneous Rocks.** PAUL HESS (1989). *Harvard University Press*. 336 pp. \$ 65.
- Paleosols and Weathering through Geological Time.** SIGLEO, W. R. and REINHARDT (Eds.) (1988). *Geol. Soc. America, Special Paper 218*. 200 pp. \$ 22.50.
- Proterozoic Geology of the Southern Rocky Mountains.** GAMBLING, J. A. and TEWKSBURY, B. J. (1989). *Geol. Soc. America, SPE 235*. 176 pp. \$ 27.50.
- Soil Morphology, Genesis and Classification.** FANNING, D. S. and MARY FANNING (1989). *Wiley, New York*. 395 pp. \$ 54.95.
- Stratigraphy, Principles and Methods.** SCHOCH, R. M. (1989). *Van Nostrand Reinhold, New York*. 375 pp. \$ 41.95.
- The Mesozoic Flood Volcanism of the Parana Basin: Petrogenetic and Geophysical Aspects.** PICCIRILLO, E. M. and MELFI, A. J. (Eds.) (1988). *Inst. Astronomico e Geofisico, Sao Paulo, Brazil*. 600 pp. \$ 50.
- The Politics of Earthquake Prediction.** OLSON, R. S. (1989). *Princeton University Press*. 187 pp. \$ 19.95.
- Theory of the Earth.** DON L. ANDERSON (1989). *Blackwell Scientific*. 366 pp. \$ 65.
- Ultramafic Rocks of the Appalachian Piedmont.** MITWEDE, S. K. and STODDARD, E. F. (Eds.) (1989). *Geol. Soc. America*. 103 pp. \$ 22.50.

Recent Additions to the Geological Society of India Library

- Basement Correlation Across the North Atlantic.** (1988). *Jean-Pierre Lefort, Springer Verlag*. 148 pp.
- Chemical Data for Flows and Feeder Dikes of the Yakima Basalt Subgroup, Columbia River Basalt Group, Washington, Oregon and Idaho and their Bearing on a Petrogenetic model.** WRIGHT, T. L. and OTHERS (1989). *USGS Bull. 1821*. 71 pp.
- Devonian Series Boundaries—Results of World-wide Studies.** ZIEGLER, W. and WERNER, R. (Eds.) (1985). *Cour. Forsch.—Inst. Senkenberg, 75*. 415 pp.
- Geology of Tin Deposits in Asia and the Pacific.** HUTCHINSON, C. S. (Ed.). *Springer Verlag*. 738 pp.

- Miocene Mammals of the Split Rock Area, Granite Mountains Basin, Central Wyoming.** *Jens Muntha. University of California Publication, Geol. Sci. v. 126, pp. 1-136.*
- Petroleum Resource Assessment.** MOSTERS, C. D. (Ed.) (1984). *Int. Union Geol. Sciences, Pub. No. 17. 157 pp.*
- Quaternary Evolution and Biogeography of the Large South American Canidae (Mammalia, Carnivora).** BERTA, A. *University of California Publication, Geol. Sciences. v. 132, pp. 1-149.*
- Recent Advances on the Study of the Cainozoic Geology of North-Eastern region of India .** *Proceedings of Seminar held at Dibrugarh, 28-31 March ,1984. (1987). Department of Geology, Dibrugarh. 308 pp.*
- Revised Instrumental Hypocenters and Correlation of Earthquake Locations and Tectonics in the Central United States.** GORDON, D. W. (1988). *USGS, Prof. Paper 1364, 69 pp.*
- Siliceous Deposits of the Tethys and Pacific Region.** HEIN, J. R. and OBDADOVIC, J. (Eds.) (1989). *Springer Verlag. 244 pp.*
- Survey of Indian Agriculture.** (1989). *The Hindu. 272 pp.*
- The Oceans, A Book of Questions and Answers.** DON GROVES (1989). *John Wiley. 205 pp.*
- Topographic Science Working Group Report.** (1988). *NASA. 64 pp.*
- Volcanic Hazards: Assessment and Monitoring.** JOHN H. LATTER (Ed.) (1988). *Springer Verlag 625 pp.*

Interesting Papers in other Journals

American Assn. Petroleum Geologists

Vol. 73, No. 3, March 1989

- CHANDLER, V. W. and OTHERS.** Interpretation of Seismic Reflection, Gravity and Magnetic Data Across Middle Proterozoic Mid-continent Rift System, Northwestern Wisconsin, Eastern Minnesota and Central Iowa, pp. 261-275.
- RUNDBERG, Y. and SMALLEY, P. C.** High-Resolution dating of Cenozoic Sediments from Northern North Sea using $^{87}\text{Sr}/^{86}\text{Sr}$ Stratigraphy, pp. 298-308.

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- MORAES, M. A. S.** Diagenetic Evolution of Cretaceous-Tertiary Turbidite Reservoirs in Western United States, pp. 598-612.
- SPENCER, C. W.** Review of characteristics of Low-Permeability Gas Reservoirs in Western United States, pp. 613-629.
- GAY, P.** Gravitational Compaction, A Neglected Mechanism in Structural and Stratigraphic Studies: New Evidence from Mid Continent, USA, pp. 641-657.

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- FULTHORPE, C. S. and SEHLONGER, S. O.** Paleo-oceanographic and Tectonic Settings of Early Miocene Reefs and Associated carbonates of offshore Southeast Asia, pp. 729-756.

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Vol. 289, No. 5, May 1989

- SEIDEMANN, D. E.** Age of the Triassic/Jurassic boundary: a view from the Hartford basin, pp. 553-562.
- LOSH, S.** Fluid-rock interaction in an evolving ductile shear zone and across the brittle-ductile transition, pp. 600-648.