

## Interesting Papers in Other Journals

### American Journal of Science

Vol. 291, No. 8, October 1991

LOBOTHA, T. C. and PAPIKE, J. J. Non-quadrilateral Components in amphiboles: an example from metamorphosed iron-formation from the Ruby Mountains, Montana, pp. 800-823.

### Australian Journal of Earth Sciences

Vol. 38, No. 3, July 1991

GAULL, B. A. and GREGSON, P. J. A new local magnitude scale for Western Australian Earthquakes, pp. 251-260.

CALF, G. E. and OTHERS Recharge mechanism and groundwater age in the Ti-Tree Basin, Northern Territory, pp. 299-306.

AVAKEL, A. V. Evolution of Quaternary duricrusts in Karinga Creek drainage system, Central Australian groundwater discharge zone, pp. 333-347.

Vol. 38, No. 4, September 1991

VEEVERS, J. J. and OTHERS. Review of sea-floor spreading around Australia. 1. Synthesis of the patterns of spreading, pp. 373-389.

Vol. 38, No. 5, December 1991

SPECIAL ISSUE. Isotopic Evolution of the Mantle and Crust, pp. 523-630.

CARLSON, R. W. Physical and chemical evidence on the cause and source characteristics of flood basalt volcanism, pp. 525-544.

ARMSTRONG, R. L. The persistent myth of crustal growth, pp. 613-630.

### Bulletin, Geological Soc. America

Vol. 103, No. 10, October 1991

HANNEMAN, D. L. and WIDEMAN, C. J. Sequence stratigraphy of Cenozoic continental rocks, southwestern Montana, pp. 1335-1345

NICOLETTI, P. G. and SORRISO-VALVO, M. Geomorphic controls of the shape and mobility of rock avalanches, pp. 1365-1373.

Vol. 103, No. 11, November 1991

SOUTHWICK, D. L. On the genesis of Archean granite through two stage melting at the Quietico accretionary prism at a transpressional late boundary, pp. 1385-1394.

UNRUH, J. R. The uplift of the Sierra Nevada and implications for late Cainozoic epeirogeny of the Western Cordillera, pp. 1395-1404.

MARHEOD, N. and KELLER, G. How complete are Cretaceous/Tertiary boundary sections? A chronostratigraphic estimate based on graphic correlation, pp. 1439-1457.

JOHNSON, S. Y. and NUR ALAM, A. M. Sedimentation and Tectonics of the Sylhet trough, Bangladesh, pp. 1513-1527.

### Canadian Jour. Earth Science

Vol. 28, No. 7, July 1991

KEEN, C. E. and OTHERS. A deep seismic reflection profile across the Nova Scotia continental margin, offshore eastern Canada, pp. 1112-1120

Vol. 28, No. 8, August 1991

**SPECIAL ISSUE.** Precambrian Basement of the Canadian Cordillera: isotopic insights, pp. 1133-1300.

### Chemical Geology

Vol. 87, Nos. 3/4, October 1991

**TAYLOR, P. N. and OTHERS.** Pb/Pb, Sm-Nd and Rb-Sr geochronology of the Archean Craton, Zimbabwe, pp. 175-196.

**FLETCHER, I. R. and OTHERS.** Isotope evidence on the age and origin of the Frazer Complex, Western Australia: a sample of Mid Proterozoic lower crust, pp. 197-216.

Vol. 94, No. 1, November 1991

**BANAKAR, V. K. and BOROLE, D. V.** Depth profile of  $^{230}\text{Th}$  excess transition metals and mineralogy of ferromanganese crusts of the Central India basin and implications for palaeo-oceanographic influence in crust genesis, pp. 33-44.

### Current Science

Vol. 61, No. 8, 25 October 1991

Sivalik Stone Age Culture, p. 496.

**KAMBLE, P. V.** Seismically vulnerable region hit again, pp. 503-505.

**SANTOSH, M. and OTHERS.** Proton-induced x-ray emission analysis of gold grains from laterites: evidence for the formation of extreme fineness of gold by natural chemical processes during weathering, pp. 534-537.

**RAMESH, R. and JANI, R. H.** Stable isotope evidence for the origin of groundwater in Lakshadweep Islands, pp. 537-538.

**SACHAN, V. K.** Use of sphalerite geobarometer estimation of pressure of formation of metamorphosed sulfide deposits, pp. 539-540.

Vol. 61, Nos. 9 and 10, 10 November 1991

**SPECIAL ISSUE:** Extinct plants, evolution and Earth's history, pp. 555-700.

### Eco. Geology

Vol. 86, No. 6, Sept. - Oct. 1991

**SPECIAL ISSUE** devoted to Gold deposits in the Chilean Andes. pp. 1153-1345.

### EOS

Vol. 72, No. 48, November 1991

**MOONEY, W. D. and MEISSNER, R.** Continental Crustal Evolution Observations, pp. 537, 540-541.

Vol. 72, No. 47, November 1991

**VENUGOPALAN ITRTEKKOT.** Particle Flux Studies in the Indian Ocean. pp. 527-530.

### GSA Today

Vol. 1, No. 9, September 1991

**UNRUP, J. R. and OTHERS.** Tectonic Wedging Beneath fore-arc Basins: Ancient and Modern Examples from California and the Lesser Antilles. pp. 185, 188-190.

Vol. 1, No. 10, October 1991

**DUNCAN, R. A.** Ocean Drilling and the Volcanic Record of Hotspots, 213-215.

Vol. 1, No. 11, November 1991

**PIKE, R. J.** Surface Features of Central North America: A Synoptic View from Computer Graphics, pp. 241, 251.

**Geology**

Vol. 19, No. 10, October 1991

- LARSON, R. L. Geological consequences of superplumes, pp. 963-966.
- GALLAGHER, W. B. Selective extinction and survival across the Cretaceous/Tertiary boundary in the northern Atlantic Coastal plain, pp. 967-970.
- CROWLEY, T. J. and BAUM, S. K. Estimating Carboniferous sea-level fluctuations from Gondwanan ice extent, pp. 975-977.
- WITT, W. K. Regional metamorphic controls on alteration associated with gold mineralization in the Eastern Goldfields Province, Western Australia: implications for the timing and origin of Archean lode gold deposits, pp. 982-985.
- GALLOWAY, W. E. and WILLIAMS, T. A. Sediment accumulation rates in time and space: Paleogene genetic stratigraphic sequences of the northwestern Gulf of Mexico basin, pp. 986-989.
- VISSERS, R. M. and OTHERS. Shear zones in the upper mantle: A case study in the Alpine Lherzolite massif, pp. 990-993.
- CURTIS MONGER, H. and OTHERS. Microbial precipitation of pedogenic calcite, pp. 997-1000.

Vol. 19, No. 11, November 1991

- SARKAR, A. and OTHERS. Stable-isotope analysis of dinosaur egg shells: Paleoenvironmental implications, pp. 1068-1071.
- CURRAY, J. R. Possible greenschist metamorphism at the base of a 22 km sedimentary section, Bay of Bengal, pp. 1097-1100.

**Geoscientist**

Vol. 1, No. 6, January 1992

- WOODCOCK, N. H. Geologists and Global Warming, pp. 8-11.
- BANHANA, J. Energy and the Environment: The Case for Nuclear Power, pp. 12-15.
- NORBURY, D. R. Engineering Geology in Europe EEG '91, pp. 22-23.

**Journal of Petrology**

Vol. 32, No. 5, October 1991

- ROEDER, P. L. and REYNOLDS, I. Crystallization of Chromite and Chromium Solubility in Basaltic Melts, pp. 909-934.

**Jour. Sed. Petrology**

Vol. 61, No. 1, January 1991

- THIRY, M. and MILNES, A. R. Pedogenic and groundwater silcretes in Stuart Creek opal field, South Australia, pp. 111-127.

Vol. 61, No. 2, March 1991

- BILLI, P. and OTHERS. Pleistocene Lacustrine Fan Delta Deposits of the Valdarno Basin, Italy, pp. 280-290.

Vol. 61, No. 3, May 1991

- MONTANARI, A. Authigenesis of impact spheroids in the K/T boundary clay from Italy, New Constraints for High-Resolution Stratigraphy of Terminal Cretaceous Events, pp. 315-339.
- FOOS, A. M. Aluminous Lateritic Soils, Eleuthere, Bahamas: A Modern Analog to Carbonate Paleosols, pp. 340-348.

Vol. 61, No. 4, July 1991

MIALL, A. D. Stratigraphic sequences and their Chronostratigraphic Correlation, pp. 497-505.

GREGG, G. M. and KARAKUS, M. A Technique for Successive Cathodoluminescence and Reflected Light Petrography, pp. 614-616.

### **Mining Magazine**

Vol. 165, No. 4, 1991

ELLIS, R. Sar Cheshmeh (Iran's major copper mine), pp. 192-196.

### **Mineralium Deposita**

Vol. 26, No. 4, 1991

BREITER, K. and OTHERS. Geochemical specialization of the tin-bearing granitoid massifs of NW Bohemia, pp. 298-306.

MCEIDUTT and STUMPF, E. F. The chromite deposits of the Troodos Complex, Cyprus—Evidence for the role of a fluid phase accompanying chromite formation, pp. 307-318.

### **Proc. Ind. Acad. Sci. (Earth and Planetary Science)**

Vol. 100, No. 4, December 1991

RANGARAJAN, G. K. and DEKA, R. C. The dip equator over Peninsular India and its secular movement, pp. 361-368.

RAMAKRISHNA RAO, C. V. and GAUR, V. K. Preliminary results from very long period data collected by a broad based digital seismic station, pp. 369-378.

MANGLIK, A. and SINGH, R. N. Rheology of Indian continental crust and upper mantle, pp. 389-398.

BHASKAR RAO, Y. J. and OTHERS. Geology, geochemistry and geochronology of the Archean Peninsular gneiss around Gorur, Hassan District, Karnataka, India, pp. 397-412.

NAHA, K. and OTHERS. Sedimentational, structural and migmatitic history of the Archaean Dharwar tectonic province, Southern India, pp. 413-433.

### **Science**

Vol. 254, No. 5036, 28 November 1991

GIBBONS, A. Advisory committee urges changes at OSI (Office of Scientific Integrity), pp. 1287-1288.

Vol. 254, No. 5037, 6 December 1991

GILL, D. Subterranean water works of Biblical Jerusalem: Adaptation of a Karst System, pp. 1467-1471.

Vol. 254, No. 5038, 13 December 1991

APPENZELLER, A. Reading History from a Single Grain of Rock, pp. 1588-1590.

### **Sedimentary Geology**

Vol. 72, No. 1/2, April 1991

AKHTAR, K. and AHMAD, A. H. M. Single-Cycle Cratonic quartz-arenite produced by tropical weathering: The Nimar Sandstone (Lower Cretaceous) Narmada basin, India, pp. 23-32.

GHOSH, S. K. Palaeoenvironmental analysis of the Late Proterozoic Formation, NW Kumaun, Lesser Himalaya, India, pp. 33-45.

SEN, D. P. and BANERJI, T. Permo-Carboniferous proglacial—lake sedimentation in the Sahaguri Gondwana basin, India, pp. 47-58.

Vol. 72, No. 1/2, June 1991

SINGH, A. and BHARDWAJ Fluvial facies model of the Ganga river sediments, India, pp. 135-146.

Vol. 73, No. 1/2, September 1991

**KHAN, Z. A. and TEWARI, R. C.** Net subsidence and number of Cycles: their interrelationship in different Permian Gondwana basins of Peninsular, India, pp. 161-169.

**BAGATI, T. N. and OTHERS.** Regression-transgression sedimentation in the Ordovician sequence of the Spiti (Tethys) basin, Himachal Pradesh, India, pp. 171-184.

**Vrja**

Vol. 30, No. 6, December 1991

Inter Basin Transfer of Water, pp. 38-49.

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## GEOLOGICAL SOCIETY OF INDIA

### Annual General Meeting - Pune 1992

The Annual General meeting of the Geological Society of India for the year 1992 is scheduled to be held on **September 23, 1992 at the Department of Geology, University of Poona, Pune.** A special theme '**Rock Weathering and Soil Formation**' will be discussed on September 21, 1992, the first day of the meeting. This will be followed by a field trip to the lateritic areas of the Western Ghats on September 22, 1992.

The organisers of the meeting invite original research papers covering the following broad areas for presentation at the academic sessions :

1. Pedogeomorphology.
2. Trends of rock weathering in India.
3. Nature and origin of red and black soils.
4. Soils and related duricrusts.
5. Laterites : their age, origin, mineralogy and chemistry.
6. Palaeosols in Indian stratigraphic record.

Fellows of the Society and Scientists engaged in this field of research are requested to send three copies of extended abstract (not exceeding two typed thesis-size pages) of their papers to :

Dr. Dnyan N. Patil  
Organising Secretary  
Department of Geology  
University of Poona  
Pune 411 007. (India)

The last date for submission of the abstract is **June 1, 1992.**

The authors of the papers selected for presentation will receive invitation by **July 30, 1992.**

The papers selected for presentation will be published in a special proceedings volume of the Society.

*10th February, 1992*