

## Interesting Papers in Other Journals

### **AAPG Bulletin\*** **Vol.87, No.7, July 2003**

- JAN H. BEHRMANN and others: Anatomy and kinematics of oblique continental rifting revealed: A three-dimensional case study of the southeast Upper Rhine graben (Germany). pp. 1105-1121.
- RICHARD G. HOY and KENNETH D. RIDGWAY: Sedimentology and sequence stratigraphy of fan-delta and river-delta deposystems, Pennsylvanian Mintum Formation, Colorado. pp. 1169-1191.
- SAGGAF, M.M. and NEBRIJA, Ed. L.: A fuzzy logic approach for the estimation of facies from wire-line logs. pp. 1223-1240.

### **Vol.87, No.9, September 2003**

- HEATH, C.P.M.: Geological, geophysical, and other technical and soft skills needed by geoscientists employed in the North American petroleum industry. pp. 1395-1410.

### **Chemical Geology** **Vol.200, Nos.1-2, 16 October 2003**

- HIDENORI KUMAGAI and ICHIRO KANEOKA: Relationship between submarine MORB glass textures and atmospheric component of MORBs. pp. 1-24.
- LANCE P. BLACK and others: Temora 1: A new zircon standard for Phanerozoic U-Pb geochronology. pp. 155-170.
- LANCE P. BLACK and others: The application of SHRIMP to Phanerozoic geochronology, a critical appraisal of four zircon standards. pp. 171-188.

### **Current Science\*** **Vol.85, No.4, 25 August 2003**

- RAJESH AGNIHOTRI and KOUSHIK DUTTA: Centennial scale variations in monsoonal rainfall (Indian, east equatorial and Chinese monsoons): Manifestations of solar variability. pp. 459-463.
- UMA SHANKAR and others: Gravity signatures of gas hydrate. pp. 474-477.
- SUDIP MAITY and others: Quantitative estimation of mineral matter in some Indian coals using interactive Rietveld-based full profile X-ray diffraction technique. pp. 506-510.
- MARECHAL, J.C. and others: Specific methods for the evaluation of hydraulic properties in fractured hard-rock aquifers. pp. 511-516.
- RAGHUNATHAN, M.S.: Artless innocents and ivory-tower sophisticates: Some personalities on the Indian mathematical scene. pp. 526-536.

### **Vol.85, No.5, 10 September 2003** KESAVA RAO, K.: Linking the Indian rivers. p. 565.

*\*Journal / Reprint available in the Society's library.*

DHARANI, G. and others: Marine debris in Great Nicobar. pp. 574-575.

RAJEEV MENON and others: Radiogenic heat production of Late Archaean Bundelkhand granite and some Proterozoic gneisses and granitoids of central India. pp. 634-638.

RAJESH SHARMA and others: Strontium isotopic constraints for the origin of barite mineralization of Tons Valley, Lesser Himalaya. pp. 653-656.

BABULAL DAS and others: Fluoride and other inorganic constituents in groundwater of Guwahati, Assam, India. pp. 657-661.

MAURYA, D.M. and others: Implications of transverse fault system on tectonic evolution of Mainland Kachchh, western India. pp. 661-667.

RAJENDRAN, C.P.: Random Harvest – An Anthology of Editorials by B.P.Radhakrishna, Geol. Soc. India (Book Review). pp. 672-673.

### **EOS\*** **Vol.84, No.36, 9 September 2003**

SIERD CLOETINGH and others: Investigating Environmental Tectonics in Northern Alpine Foreland of Europe. p. 349.

WILLIAM I. ROSE: Advancing Remote Sensing of Volcanic Clouds. p. 351.

### **Exploration Geophysics\*** **Vol.34, Nos. 1 & 2, June 2003**

PETER WOLFGRAM and others: Approximate 2D inversion of AEM data. pp. 29-33.

JAMES MACNAE and others: An assessment of the accuracy of boundaries picked by AEM sounding, with application to mineral exploration and salinity mapping. pp. 41-45.

JAMES E. REID and others: A comparison of shipborne and airborne electromagnetic methods for Antarctic sea ice thickness measurements. pp. 46-50.

JOHN JOSEPH, E. and others: Airborne gravimetry – a new gravimeter system and test results. pp. 82-86.

JOHN COGGON: Magnetism – key to the Wallaby gold deposit. pp. 125-130.

### **Geology\*** **Vol.31, No.3, March 2003**

JAMES P. HIBBARD and others: Smith River allochthon: A southern Appalachian peri-Gondwanan terrane emplaced directly on Laurentia? pp. 215-218.

PABLO CERVANTES and PAUL J. WALLACE: Role of H<sub>2</sub>O in subduction-zone magmatism: New insights from melt inclusions in high-Mg basalts from central Mexico. pp.235-238.

WILLIAM C. McCLELLAND and JANE A. GILOTTI: Late-stage extensional exhumation of high-pressure granulites in the Greenland Caledonides. pp. 259-262.

FRANK T. KYTE and others: Early Archean spherule beds: Chromium isotopes confirm origin through multiple impacts of projectiles of carbonaceous chondrite type. pp. 283-286.

EBBE H. HARTZ and VIGGO HARTZ: How perfect is the Himalayan arc?: Comment. p. 287.

**Geology Today**

**Vol.19, No.1, January-February 2003**

KING, C.: Turning science teachers on to Earth sciences. pp. 30-32.

**Geophysical Prospecting**

**Vol.51, No.3, May 2003**

Special issue devoted to Sub-basalt Imaging. pp. 167-260.

**GSA Today\***

**Vol.13, No.3, March 2003**

ALEXANDER MCBIRNEY: Anonymous Reviews-Are the Pros Worth the Cons? p. 21.

**Vol.13, No.7, July 2003**

NIR J. SHAVIV and JAN VEIZER: Celestial driver of Phanerozoic climate? pp. 4-10.

**Indian Minerals\***

**Vol.56, Nos.3 & 4, July-December, 2002**

JOY GOPAL GHOSH: A New Single-Crystal U-Pb Geochronological Laboratory in the Geological Survey of India: Principles, Procedure and some Initial Results. pp. 203-210.

**Journal of the Indian Society of Remote Sensing**

**Vol.31, No.1, March 2003**

NETRAMANI HARIJAN and others: Course of River Ganga Over a Century Near Kanpur City Based on Remote Sensing Data. pp. 1-2.

**Journal of Mines Metals and Fuels\***

**Vol.51, No.4 & 5, April-May 2003**

CHATTERJEE, K.K.: Potentialities of coal in India - A critical analysis. pp. 157-161.

PUGAZHENTHY, L.: Lead and zinc industry in India - problems and prospects. pp. 162-163.

AGARWAL, S.C.: Changing facades of dimensional stone mining in India - a synoptic view. pp. 172-176.

RAJU, S. and RASTOGI, S.P.: Resource revaluation of black granite in parts of Southern Uttar Pradesh. pp. 181-188.

**Journal of Petrology**

**Vol.44, No.8, August 2003**

RAY MACDONALD: Introduction to the Thematic Issue on Montserrat. pp. 1345-1347.

**Journal of Radioanalytical and Nuclear Chemistry\***

**Vol.254, No.2, 2002**

NAYAK, P.K. and others: Quantitative multielemental analysis of titaniferous magnetite by PIXE, EDXRF, and their iron mineral characterization by <sup>57</sup>Fe Mossbauer spectroscopy. pp. 351-356.

**Journal of Systematic Palaeontology\***

**Vol.1, No.2, June 2003**

DAVID B. WEISHAMPEL and others: Osteology and Phylogeny of *Zalmoxes* (N.G.), An Unusual Euornithopod Dinosaur from the Latest Cretaceous of Romania. pp. 65-123.

**Nature\***

**Vol.425, No.6954, 11 September 2003**

AMOS FRUMKIN and others: Radiometric dating of the Siloam Tunnel, Jerusalem. pp. 169-171.

**Vol.425, No.6955, 18 September 2003**

MYLES R. ALLEN: Possible or probable? (Climate forecasting). p. 242.

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STEPHEN J. MOJZSIS: Probing early atmospheres. pp. 249-251.

ALAN J KAUFMAN and SHUHAL XLAO: High CO<sub>2</sub> levels in the Proterozoic atmosphere estimated from analyses of individual microfossils. pp. 279-282.

CHARLES H. WELLMAN and others: Fragments of the earliest land plants. pp. 282-285.

CHARLES R. C. SHEPPARD: Predicted recurrences of mass coral mortality in the Indian Ocean. pp. 294-297.

**Terra Nova**

**Vol.15, No.3, June 2003**

JONATHAN C. AITCHISON and others: The Gangdese thrust: a phantom structure that did not raise Tibet. pp. 155-162.

BRUNELLI, D. and others: Mantle peridotites from the Bouvet Triple Junction Region, South Atlantic. pp. 194-203.

**The Journal of Geology**

**Vol.111, No.1, January 2003**

SANTOSH, M. TSUNOGAE, T.: Extremely High Density Pure CO<sub>2</sub> Fluid Inclusions in a Garnet Granulite from Southern India. pp. 1-16.

**Vol.111, No.3, March 2003**

- STEPHEN P. HESSELBO and others: Carbon-Cycle Perturbation in the Middle Jurassic and Accompanying Changes in the Terrestrial Paleoenvironment. pp. 259-276.
- SINCLAIR, H.D. and COWIE, P.A.: Basin-Floor Topography and the Scaling of Turbidites. pp. 277-299.
- MASAMICHI TAKEBE and KOSHI YAMAMOTO: Geochemical

Fractionation between Porcellanite and Host Sediment. pp. 301-312.

**The Indian Mining and Engineering Journal**  
**Vol.42, No.7, July 2003**

- SINGH, R. and SINHA, S.N.: Beneficiation of High Ash Indian Coal – Problems and Prospects. pp. 32-35.

## New Books/Publications of Interest in Earth-Sciences

- Alpha and Omega: The Search for the Beginning and the End of the Universe. By Charles Seife. Viking Press, 2003, 304 p; \$24.99
- Connecting Quarks With the Cosmos: Eleven Science Questions for the New Century. By the Committee on the Physics of the Universe, National Research Council of the National Academies, U.S.A., National Academies Press, 2003, 222 p; \$39
- AAPG Memoir 71 – Reservoir Characterization - Recent Advances. By R.A.Schatzinger and J.F.Jordan. The U.S. Department of Energy, 2003, 404 p; \$127, Email: [bookstore@aapg.org](mailto:bookstore@aapg.org)
- A Color Illustrated Guide to Carbonate Rock Constituents, Textures, Cements, and Porosities. By Peter A. Scholle, AAPG Memoir 27, 2003, \$22.00, Email: [bookstore@aapg.org](mailto:bookstore@aapg.org)
- Soft Computing and Intelligent Data Analysis in Oil Exploration. By M.Nikravesh, F.Aminzadeh and L.A.Zadeh. Developments in Petroleum Science 51, published by Elsevier Science B.V., Amsterdam, Netherlands. 2003, 744 p; \$160.00
- The Millennium Atlas: Petroleum Geology of the Central and Northern North Sea. By D.Evans, C.Graham, A. Armour and P.Bathurst. Published by Geological Society Publishing House, Bath, United Kingdom. 2003, 389 p; £199
- Foreland Sedimentation in Himalayan Tectonic Regime: A Relook at the Orogenic Process. By V.Raiverman. Published by Bishen Singh Mahendra Pal Singh, 23-A, New Connaught Place, Dehra Dun-248 001, India. 2002, 378 p; US\$125.00
- Sandstone Petrology (A Tutorial Petrographic Image Atlas). By Kitty Milliken, Suk-Joo Choh and Earle F. McBride. 2003, \$22
- The North Atlantic Igneous Province: Stratigraphy, Tectonic, Volcanic and Magmatic Processes. By D.W.Jolley and B.R.Bell. Geological Society Special Publication 197. Published by the Geological Society Publishing House, Bath, United Kingdom. 2002, 344 p; \$142.00
- Causes and Consequences of Globally Warm Climates in the Early Paleogene. By Scott L. Wing, Philip D. Gingerich, Birger Schmitz, and Ellen Thomas. The Geological Society of America, 2003, 588 p; Price: \$95.00.
- Paleoenvironments and Paleohydrology of the Mojave and Southern Great Basin Deserts. By Yehouda Enzel, Stephen G. Wells, and Nicholas Lancaster. The Geological Society of America, 2003, 249 p; Price: \$80.00.
- Contributions to crustal evolution of the southwestern United States. By Andrew Barth. The Geological Society of America, 2003, 314 p; Price \$90.00.
- Extreme depositional environments: Mega end members in geologic time. By Marjorie A. Chan and Allen W. Archer. The Geological Society of America, 2003, 264 p.
- Evolution and dynamics of the Australian Plate. by R.R.Hillis and R.D.Muller. The Geological Society of America, 2003, 430 p.
- The Early Earth: Physical, Chemical and Biological Development. By C.M.R.Fowler, C.J.Ebinger and C.J.Hawkesworth. Geological Society (London) Special Publication No.199, 2002, 352 p; \$134.