

Interesting Papers in Other Journals

AAPG Bulletin*

Vol.87, No.8, August 2003

ANNA M. MARTINI and others: Microbial production and modification of gases in sedimentary basins: A geochemical case study from a Devonian shale gas play, Michigan basin. pp. 1355-1375.

Vol.87, No.10, October 2003

STEVEN D. HOOD and others: Modification of fracture porosity by multiphase vein mineralization in an Oligocene nontropical carbonate reservoir, Taranaki Basin, New Zealand. pp. 1575-1597.

Vol.87, No.11, November 2003

PATRICK M WONG: A novel technique for modeling fracture intensity: A case study from the Pinedale anticline in Wyoming. pp. 1717-1727.

STEFAN BACHU and KARSTEN MICHAEL: Possible controls of hydrogeological and stress regimes on the producibility of coalbed methane in Upper Cretaceous-Tertiary strata of the Alberta basin, Canada. pp. 1729-1754.

Applied Geochemistry

Vol.18, No.11, November 2003

DONAHUE, R. and HENDRY, M.J.: Geochemistry of arsenic in uranium mine mill tailings, Saskatchewan, Canada. pp. 1733-1750.

STEPHEN C. PETERS and JOEL D. BLUM: The source and transport of arsenic in a bedrock aquifer, New Hampshire, USA. pp. 1773-1787.

Chemical Geology

Vol.201, Nos.3-4, 28 November 2003

SIMON H. BOTTRELL and JONATHAN P. COULSON: Preservation of environmental sulfur isotope records in maritime peats: a test of baseline pre-anthropogenic signal and diagenetic effects in a mid-Pleistocene peat. pp. 185-190.

JEFFREY C. ALT and DAMON A.H. TEAGLE: Hydrothermal alteration of upper oceanic crust formed at a fast-spreading ridge: mineral, chemical, and isotopic evidence from ODP Site 801. pp. 191-211.

Current Science*

Vol.85, No.6, 25 September 2003

RACHINA RAI and others: Evidence of a Mid-Late Holocene seismic event from Dhadhar river basin, Gujarat alluvial plain, western India. pp. 812-815.

Vol.85, No.7, 10 October 2003

ASHOK SAHNI: Indian dinosaurs revisited. pp. 904-910.

VALDIYA, K.S.: Reactivation of Himalayan Frontal Fault: Implications. pp. 1031-1040.

Vol.85, No.9, 10 November 2003

RADHAKRISHNA, B.P. (Commentary): Rainwater harvesting, a time-honoured practice: Need for revival. pp. 1259-1261.

SUKUL, S.: Arsenic removal kit. pp. 1265-1266.

RAYMOND A. DURAISWAMI and others: Enigmatic spiracle-like structures from a basaltic flow near Chekewadi, western Deccan Volcanic Province. pp. 1267-1269.

Economic Geology*

Vol.98, No.5, August 2003

PRENDERGAST, M.D.: The Nickeliferous Late Archean Reliance Komatiitic Event in the Zimbabwe Craton—Magmatic Architecture, Physical Volcanology, and Ore Genesis. pp. 865-891.

HUAN-ZHANG LU and others: Mineralization and Fluid Inclusion Study of the Shizhuyuan W-Sn-Bi-Mo-F Skarn Deposit, Hunan Province, China. pp. 955-974.

PETER S. ROY and JOHN WHITEHOUSE: Changing Pliocene Sea Levels and the Formation of Heavy Minerals Beach Placers in the Murray Basin, Southeastern Australia. pp. 975-983.

BURTON, J.P. and PHILIP FRALICK: Depositional Placer Accumulations in Coarse-Grained Alluvial Braided River Systems. pp. 985-1001.

BYRON R. BERGER and others: Utility of High-Altitude infrared Spectral Data in Mineral Exploration: Application to Northern Patagonia Mountains, Arizona. pp. 1003-1018.

Vol.98, No.6, September-October 2003

ALBERT H. HOFSTRA and others: A Special Issue Devoted to Gold Deposits in Northern Nevada: Part 2. Carlin-Type Deposits. pp. 1063-1067.

EOS*

Vol.84, No.31, 5 August 2003

ROBIN E. BELL and others: Righting the Balance: Gender Diversity in the geosciences. p. 292.

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MARTIN FRANK and others: GEOTRACES: Studying the Global Marine Biogeochemistry of Trace Elements and Isotopes. p. 327.

Vol.84, No.35, 2 September 2003

BRUCE HEWITSON: Developing Perturbations for Climate Change Impact Assessments. p. 337.

*Journal / Reprint available in the Society's Library

- JUDY JACOBS: Enrollment in Graduate Geosciences Programs Appears Unaffected by Changes in U.S. Immigration Regulations. p. 338.
- ERIK ASPHAUG and others: Exploring Ocean Waves from Asteroid Impacts. p. 339.

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- RANDY SHOWSTACK: Digital Elevation Maps Produce Sharper Image of Earth's Topography. p. 363.
- LEIFER, I. and others: Identifying Future Directions for Subsurface Hydrocarbon Migration Research. p.364.

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- OBERST, J. and others: Photographic Observations and Successful Recovery of the "Neuschwanstein" Meteorites. p. 393.

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- HARRIS, A. and others: Ground-based Infrared Monitoring Provides New Tool for Remote Tracking of Volcanic Activity. p. 409.

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- SHANK, T. and others: Deep Submergence Synergy: Alvin and ABE Explore the Galapagos Rift at 86°W. p. 425.

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- SEAN C. SOLOMON and others: Plan for Living on a Restless Planet Sets NASA's Solid Earth Agenda. p. 485.

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- ZHENMING WANG and others: Communicating with Uncertainty: A Critical Issue with Probabilistic Seismic Hazard Analysis. p. 501.

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- DONALD W. FORSYTH and ROBERT S. DETRICK: Probing Geodynamic Processes Beneath the Sea Floor. p. 517.
- ERIC M. BUTLER and others: Investigation-Stimulated Discussion Sections Make Geoscience More Relevant in Large Lecture Class. p. 517.
- WARDELL, L.J. and others: Volcanic Gas Workshop Features State-of-the-Art Measurement Techniques. p. 519.
- HERIBERTA CASTANOS: Disasters at the Interface of Nature and Society Provoke Thought. p. 521.

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- RAJENDRAN, C.P. and KUSALA RAJENDRAN: Studying Earthquake Recurrence in the Kachchh Region, India. p. 529.
- WILLIAM LEEMAN and others: Current Perspectives on Energy and Mass Fluxes in Volcanic Arcs. p. 531.

Journal of Petrology

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- ANAND, M. and others: Early Proterozoic Melt Generation Processes beneath the Intra-cratonic Cuddapah Basin, Southern India. pp. 2139-2171.

- ANTON P. Le ROEX and others: Petrogenesis of Group I Kimberlites from Kimberley, South Africa: Evidence from Bulk-rock Geochemistry. pp. 2261-2286.

- MICHAEL O. GARCIA and others: A Petrologic Perspective of Kilauea Volcano's Summit Magma Reservoir. pp. 2313-2339.

Lithos

Vol.69, Nos.1-2, July 2003

- GABRIEL CARLIER and JEAN-PIERRE LORAND: Petrogenesis of a zirconolite-bearing Mediterranean-type lamproite from the Peruvian Altiplano (Andean Cordillera). pp. 15-35.

- RONDI M. DAVIES and others: Unusual mineral inclusions and carbon isotopes of alluvial diamonds from Bingara, eastern Australia. pp. 51-66.

Minerals & Metals Review*

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- VISWANATHAN, M.: Indian Copper Industry: Challenges and opportunities. pp.20-29,

Nature*

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- SAN DIEGO: Ocean drilling project gets international relaunch. p. 337.

- KEN CALDEIRA and MICHAEL E. WICKETT: Anthropogenic carbon and ocean pH. p. 365.

- RANERO, C.R. and others: Bending-related faulting and mantle serpentinization at the Middle America trench. pp. 367-373.

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- CHRIS PAOLA: Floods of Record. p. 459.

- ROLF AALTO and others: Episodic sediment accumulation on Amazonian flood plains influenced by El Nino/Southern Oscillation. pp. 493-497.

- GEORG RUMPKER and others: Boundary-layer mantle flow under the Dead Sea transform fault inferred from seismic anisotropy. pp. 497-501.

- RANDALL F. MILLER and others: The oldest articulated chondrichthyan from the Early Devonian period. pp. 501-504.

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- TOM CLARKE: Geologists seek to put an end to blind dates. p. 550.

- ROBERT P. RAPP and others: Growth of early continental crust by partial melting of eclogite. pp. 605-609.

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- DAVID CYRANOSKI: Earthquake makes waves for tsunami models. p. 649.

- BIJU, S.D. and FRANKY BOSSUYT: New frog family from India reveals an ancient biogeographical link with the Seychelles. pp. 711-714.

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 DAVID M. UNWIN: Smart-winged pterosaurs. pp. 910-911.
 SEYMOUR LAXON and others: High interannual variability of sea ice thickness in the Arctic region. pp. 947-950.

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 MICHAEL R. PERFIT and others: Interaction of sea water and lava during submarine eruptions at mid-ocean ridges. pp. 62-65.

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 BETSY MASON: Geologists call for desalination of Gaza Strip's water. p. 110.

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- CHARLES HALL and others: Hydrocarbons and the evolution of human culture. pp. 318-322.
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 Artur Stankiewicz, B.: Integration of geoscience and engineering in the oil industry — just a dream? pp. 360-363.

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- FENGLIN NIU and others: Migration of seismic scatterers associated with the 1993 Parkfield aseismic transient event. pp. 544-548.
 JOHN KAPPELMAN and others: Oligocene mammals from Ethiopia and faunal exchange between Afro-Arabia and Eurasia. pp. 549-552.

Oil Asia***Vol.24, No.2 & 3, May-September 2003**

- DHEERAJ BHARDWAJ: High Performance Computing in Exploration Geophysics: Changing Dimensions. pp. 46-50.

ONGC Bulletin***Vol.38, No.2, December 2001**

- TALUKDAR, S.N.: Hydrocarbon Potential of Proterozoic Basins of India. pp. 1-6.
 MEHROTRA, N.C. and others: Palynostratigraphy and Paleoenvironment of Panna Formation of Mumbai Offshore. pp. 7-26.
 SOMADITYA DUTTA and others: Experimental Seismic Survey over Badarpur Anticline, Cachar, India. pp. 27-45.
 KAMLA SINGH and others: Sub-Surface Biochronostratigraphy of

Cenozoic Sediments in East Godavari Sub-Basin, Krishna – Godavari Basin, India. pp. 47-65.

DATTA, K. and others: Petroleum System in the Central and Eastern Part of the Mehsana Block, Cambay Basin, Gujarat, India. pp. 67-89.

ASWAL, H.S. and others: Mesozoic-Cenozoic Dinoflagellate Cyst Bio-chronostratigraphy of Krishna-Godavari Basin, India – A Summary. pp. 91-100.

Preview* (Australian Society of Exploration Geophysics)
No.105, August 2003

SCOTT HAMMOND and COLM MURPHY: Air-FTG™: Bell Geospace's Airborne Gravity Gradiometer – A Description and Case Study. pp. 22-24.

BINZHONG ZHOU and PETER HATHERLY: Seismic Imaging: Science and Art. pp. 25-28.

KEPIC, A. and CAMPBELL, T.: Geophysical Monitoring of Tree Root Zones. pp. 29-35.

Proceedings of First APG Conference & Exhibition,
September 2002*

RAJU, D.S.N. and others: Sequence and Bio-Chronostratigraphic Sub-Divisions of the Cretaceous and Cenozoic of India-with Notes on Pre-Cretaceous Events: an Overview. pp. 119-129.

RAJU, D.S.N.: Why Indian Stages? And What they are in the Cretaceous and Cenozoic?: A Brief Summary. pp. 439-441.

RAJU, D.S.N.: Value of Miogypsinids and Associated Foraminifera and Challenges Facing Finer Subdivision and Correlation of Oligo-Miocene Petroleum Bearing Strata In India and Future Exploration. pp. 443-449.

Stuttgarter (Geologie and Palaeontologie)***No.327, 31 December, 2002**

ANDRE J. VELDMEIJER: Pterosaurs from the Lower Cretaceous of Brazil in the Stuttgart Collection. pp. 1-27.

No.328, 31 December, 2002

GUNTER BECHLY and KYOICHIRO UEDA: The first fossil record and first New World record for the dragonfly clade Chlorogomphida (Insecta: Odonata: Anisoptera: Araripechlorogomphidae n. fam. From the Crato Limestone (Lower Cretaceous, Brazil). pp. 1-11.

The Canadian Mineralogist***Vol.41, Part 3, June 2003**

CARLES CANET and others: PGE-Bearing Minerals in Silurian Sedex Deposits in the Poblet Area, Southwestern Catalonia, Spain. pp. 581-595.

AHMED HASSAN AHMED and SHOJI ARAI: Platinum-Group Minerals in Podiform Chromitites of the Oman Ophiolite. pp. 597-616.

OLE JOHNSEN and others: The Nomenclature of Eudialyte-Group Minerals. pp. 785-794.

JOEL D. GRICE and GIOVANNI FERRARIS: New Minerals Approved in 2002 and Nomenclature Modifications Approved in 1998-2002 by the Commission on New Minerals and Mineral Names, International Mineralogical Association. pp. 795-802.

The Geological Society of America Bulletin*
Vol.115, No.1, January 2003

MURPHY, M.A. and AN YIN: Structural evolution and sequence of thrusting in the Tethyan fold-thrust belt and Indus-Yalu suture zone, southwest Tibet. pp. 21-34.

VICTOR E. CAMP and others: Genesis of flood basalts and Basin and Range volcanic rocks from Steens Mountain to the Malheur River Gorge, Oregon. pp. 105-128.

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JOSE JORGE ARANDA-GOMEZ and others: Synextensional Pliocene-Pleistocene eruptive activity in the Camargo volcanic field, Chihuahua, Mexico. pp. 298-313.

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ANDRES ASLAN and others: Holocene evolution of the western Orinoco Delta, Venezuela. pp. 479-498.

ERNST, W.G. and others: Petrochemistry of granitic rocks in the Mount Barcroft area—Implications for arc evolution, central White Mountains, easternmost California. pp. 499-512.

The Geological Society of South Africa Bulletin*
Vol.46, No.3, September 2003

GILLIAN DRENNAN: Reflections on the Geoscience Education Symposium. p. 14.

The Journal of Geology*
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MOJZIS, S.J. and others: Ion Microprobe U-Pb Age Determinations on Zircon from the Late Archean Granulite Facies Transition Zone of Southern India. pp. 407-425.

New Books/Publications of Interest in Earth-Sciences

Proceedings of the Abstracts on Himalayan Tectonics (The HIMPROBE Results). Published by the Indian Institute of Technology, Roorkee, 2003.

Environmental Management in Mines. By B.K. Shrivastava, R. Kumar and A. Jamal, Tara Book Agency, Varanasi, 2003, 556 p; Rs.2000/-.

The Early Earth: Physical, Chemical and Biological Development. By C.M.R. Fowler, C. Ebinger and C.J. Hawkesworth. Special Publication No.199, Geological Society of London, 2002, 354 p; £85.00.

Introduction to Remote Sensing. By James B. Campbell, Taylor & Francis, 2002, 620 p; £29.95.

Volcanic Degassing by C. Oppenheimer, D.M. Pyle and J. Barclay, Special Publication No.213, Geological Society Publishing house, UK, 2003, 426 p; US\$167.00.

Geological Journeys: From Artifacts to Zircon. By John Glover. The Geological Society of Australia, Western Australian Division, 2003, 254 p; AUS \$30.00.

Intraplate Strike-Slip Deformation Belts. By F. Storti, R.E. Holdsworth, F. Salvini. Special Publication No.210, Geological Society Publishing House, UK, 2003, 242 p; USD 108.00.

Geophysical Signatures of South Australian Mineral Deposits. By Dentith, M.C. Published by Centre for Global Metallogeny, The University of Western Australia; ASEG-Special Publication 12; 2003, 289 p; \$ 90, Email: resres@oilfield.com.au

Engineered Coasts. By Jiyou Chen, Doeke Eisma, Kenji Hotta and H. Jesse Walker. Kluwer Academic Publishers, Dordrecht, 2002, 312 p., USD 97.

Geodynamics (Second edition). By Donald L. Turcotte and Jerry Schubert. Cambridge University Press, 2002, 456 p; US\$45.

Islands of the Arctic. By Julian Dowdeswell and Michael Hambrey. Cambridge University Press, 2002, 280 p.

A Guide to Sedimentary Environments. By J. Zalasiewicz, John Wiley and Sons, 2002, 288 p.

Advanced Groundwater Remediation: Active and Passive Technologies. By F.G. Simon. Thomas Telford Publishing, 2002, 320 p.

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Ancient Seismites (Special Paper 359). By Frank R. Ertensohu et al. Geological Society of America, 2002, 190p.

Arsenic in Ground Water: Geochemistry and Occurrence. By Alan H. Welch & Kenneth G. Stollenwerk. Kluwer, 2002, 488 p.

Assessing Microbial Safety of Drinking Water. By OECD/WHO. IWA, 2003, 304 p.

Basic Petroleum Data Book (Petroleum Industry Statistics, vol. XXII, No.1 & 2). American Petroleum Institute, 2002. USD 447.55.

Environmentally Important Trace Elements, Symposium 2001 (ACS Symposium Series, vol.835), by Y. Cai. American Chemical Society, 2003. 436 p; USD 145.00.

Breaking New Ground: Mining, Minerals and Sustainable Development, by L. Starke. Earthscan, 2002, 400 p.

Catastrophic Events and Mass Extinctions (Special Paper 356), by Christian Koeberl. GSA, 2002, 746 p., USD 203.57.

Climate Changes During the Holocene and their Impact on