

## **Interesting Papers in Other Journals**

### **AAPG Bulletin**

**Vol.82, No.4, 1998**

W.E.GALLOWAY: Siliciclastic Slope and Base-of-Slope Depositional systems: Component Facies, Stratigraphic Architecture, and Classification. pp.569-595.

### **Australian Journal of Earth Sciences**

**Vol.45, No.3, 1998**

- P.J.WILLIAMS: Metalliferous economic geology of the Mt.Isa Eastern Succession, Queensland. pp.329-341.  
R.W.PAGE and S-S.SUN: Aspects of geochronology and crustal evolution in the Eastern Fold Belt, Mt.Isa Inlier. pp.343-361.  
V.M.MARES: Structural development of the Soldiers Cap Group in the Eastern Fold Belt of the Mt Isa Inlier: a succession of horizontal and vertical deformation events and large-scale shearing. pp.373-387.  
L.WYBORN: Younger *ca* 1500 Ma granites of the Williams and Naraku Batholiths, Cloncurry district, eastern Mt Isa Inlier: geochemistry, origin, metallogenic significance and exploration indicators. pp.397-411.  
W.P.LAING: Structural-metasomatic environment of the East Mt Isa Block base-metal-gold province. pp.413-428.  
T.BAKER and W.P.LAING: Eloise Cu-Au deposit, East Mt. Isa Block: structural environment and structural controls on ore. pp.429-444.  
G.J.DAVIDSON: Variation in copper-gold styles through time in the Proterozoic Cloncurry goldfield, Mt.Isa Inlier: a reconnaissance view.pp.445-462.

### **Current Science**

**Vol.74, No.11, 1998**

- N.SURESH and T.N.BAGATI: Calcium carbonate distribution in the Late Quaternary sediments of Bay of Bengal. pp.977-984.  
PARAG S. SOHONI and JAVED N. MALIK: Remnants of large magnitude earthquakes: Evidences from the Great Rann sediments, Kachchh, Western India. pp.985-989.

**Vol.74, No.12, 1998**

- R.MAMALLAN and others: Newly discovered copper mineralization in granodiorites in Meghalaya. pp.1044-1045.  
P.S.RANAWAT and others: Electron-probe micro analysis study of the Pipliya meteorite. pp.1100-1103.  
D.P.DAS and P.M.DATTA: A piscean egg clutch from the Late Triassic of South Rewa Gondwana Basin, M.P. India. pp.1103-110

### **Earth Science Reviews**

**Vol.43, Nos.1-2, 1998**

- MARK A. SMETHURST and others: The Neoproterozoic and Palaeozoic palaeomagnetic data for the Siberian Platform: From Rodinia to Pangea. pp.1-24.  
W.U.REIMOLD: Exogenic and endogenic breccias: a discussion of major problematics. pp.25-47.

### **Economic Geology**

**Vol.93, No.3, 1998**

- STEFFEN G. HAGEMANN and others: Ore Petrology, Chemistry and Timing of Electrum in the Archaean Hypozonal Transvaal Lode Gold Deposits, Western Australia. pp.271-291.

### **Geology**

**Vol.26, No.3, 1998**

- BRUCE M. SIMONSON and others: Iridium anomaly but no shocked quartz from Late Archean microkrystite layer: Ocean impact ejecta? pp.195-198.  
GREGERS DAM and others: Sedimentary response to mantle plumes: Implications from Paleocene onshore successions, West and East Greenland. pp.207-210.  
CATHY BUSBY and others: Evolutionary model for convergent margins facing large ocean basins: Mesozoic Baja California, Mexico. pp.227-230.

HARVEY M. KELSEY and others: Response of a small Oregon estuary to coseismic subsidence and postseismic uplift in the past 300 years. pp.231-234

JENS GUTZMER and NICOLAS J. BEUKES: Earliest laterites and possible evidence for terrestrial vegetation in the Early Proterozoic. pp.263-266.

**VOL.26, No.4, 1998**

XIANG ZHAO and others: Controls on the distribution and isotopic composition of helium in deep ground-water flows. pp.291-294.

MIAN LIU and YUNQING SHEN: Sierra Nevada uplift: A ductile link to mantle upwelling under the Basin and Range province. pp.299-302.

M.G.KOPYLOVA and others: Upper-mantle stratigraphy of the slave craton, Canada: Insights into a new kimberlite province. pp.315-318.

**Geochemistry International**

**Vol. 36, No.5, 1998.**

F.A.LETIKOV and others: On the Estimation of Fluid Regime for the Continental Volcanism of the Permian-Miocene in some Regions of Eurasia. pp.389-396.

G.V.NOVIKOV and N.S. SKORNYAKOVA: Sorption Properties of oceanic Ferromanganese Nodules and Crusts. pp.444-454.

YU. A. BOGDANOV and others: Ferromanganese Crusts and Nodules from Guyots of the Northwestern Pacific. pp.455-466.

**GSA Today**

**Vol.8, No.2, 1998**

GUY M. NARBONNE: The Ediacara Biota: A Terminal Neoproterozoic Experiment in the Evolution of Life. pp.1-6.

**Geological Society of America Bulletin**

**Vol.110, No.3, 1998**

MICHAEL E. PERKINS and others: Sequence, age, and source of silicic fallout tuffs in middle to Late Miocene basins of the northern Basin and Range Province. pp.344-360.

**Vol.110, No.4, 1998**

ANDRES ASLAN and WHITNEY J. AUTIN: Holocene flood-plain soil formation in the southern lower Mississippi Valley: Implications for interpreting alluvial paleosols. pp.433-449.

ASHRAF UDDIN and NEIL LUNDBERG: Cenozoic history of the Himalayan-Bengal system: Sand composition in the Bengal Basin, Bangladesh. pp.497-511.

GEORGIA PE-PIPER and others: Synkinematic granite emplacement in a shear zone: The Pleasant Hills Pluton, Canadian Appalachians. pp.523-536.

**International Journal of Mineral Processing**

**Vol.53, Nos.1-2, 1998**

AMIT CHATTERJEE: Role of particle size in mineral processing at Tata Steel. pp.1-14.

K.CHANDRA SEKAR and others: Removal of metal ions using an industrial biomass with reference to environmental control. pp.107-120.

ANNA MARIA MARABINI and others: New materials from industrial and mining wastes: glass-ceramics and glass- and rock-wool fibre. pp.121-134

**Journal of Applied Geophysics**

**Vol.38, 1998**

PRABHAKAR S. NAIDU & M.P. MATHEW: Digital analysis of aeromagnetic maps: Detection of a fault. pp.169-179.

P. CHIOZZI and others: Ground radiometric survey of U, Th and K on the Lipari Island, Italy. pp.209-217.

**Journal of Petrology**

**Vol.39, No.1, 1998**

M.J. WALTER: Melting of garnet peridotite and the origin of komatiite and depleted lithosphere. p.29.

- S.NEOGI: High P-T polymetamorphism, dehydration melting, and generation of migmatites and granites in the Higher Himalayan crystalline complex, Sikkim. p.61.
- R.F.GRIBBLE: Chemical and isotropic compositions of lavas from the Northern Mariana Trough: Implications for magma genesis in back-arc basins. p.125.

**Vol.39, No.5, 1998**

- JON P. DAVIDSON and WENDY A. BOHRSON: Shallow-Level Processes in Ocean-island Magmatism: Editorial. pp.799-801.
- MICHAEL O. GARCIA and others: Crustal Contamination of Kilauea Volcano Magmas Revealed by Oxygen Isotope Analyses of Glass and Olivine from Puu Oo Eruption Lavas. pp.803-817.
- M.A.M. GEE and others: Crustal Processes: Major Controls on Reykjanes Peninsula Lava Chemistry, SW Iceland. pp.819-839.
- ALICE S. DAVIS and others: Geochemistry of Basalt from Escanaba Trough: Evidence for Sediment Contamination. pp.841-858.
- KAJ HOERNLE: Geochemistry of Jurassic Oceanic Crust beneath Gran Canaria (Canary Islands): Implications for Crustal Recycling and Assimilation. pp.859-880.
- CORNELIA CLASS and others: The Process of Plume-Lithosphere interactions in the Ocean Basins - the Case of Grande Comore. pp.881-903.
- G.J. ABLAY and others: Basanite - Phonolite Lineages of the Teide- Pico Viejo Volcanic Complex, Tenerife, Canary Islands. pp.905-936.
- JARDA DOSTAL and others: The Incompatible Element Characteristics of an Ancient Subducted Sedimentary Component in Ocean Island Basalts from French Polynesia. pp.937-952.
- DENNIS GEIST and others: Evolution of Galapagos Magmas: Mantle and Crustal Fractionation without Assimilation. pp.953-971.
- D.WEIS and others: Geochemical Characteristics of the Youngest Volcano (Mount Ross) in the Kerguelen Archipelago: Inferences for Magma Flux, Lithosphere Assimilation and composition of the Kerguelen Plume. pp.973-994.
- WENDY A. BOHRSON and MARY R. REID: Genesis of Evolved Ocean Island Magmas by Deep- and shallow-Level Basement Recycling, Socorro Island, Mexico: Constraints from Th and other Isotope Signatures. pp.995-1008.
- A.KAR and others: Origin of Differentiated Volcanic and Plutonic Rocks from Ascension Island, South Atlantic Ocean. pp.1009-1024.
- ALICE HOBSON and others: Shallow-Level Migmatization of Gabbros in a Metamorphic Contact Aureole, Fuerteventura Basal Complex, Canary Islands. pp.1025-1037.
- PETER W. REINERS: Reactive Melt Transport in the Mantle and Geochemical Signatures of Mantle-derived Magmas. pp.1039-1061.
- M. HORT: Abrupt Change in Magma Liquidus Temperature because of Volatile Loss or Magma Mixing: Effects on Nucleation, Crystal Growth and Thermal History of the Magma. pp.1063-1076.
- M.J.O'HARA: Volcanic Plumbing and the Space Problem - Thermal and Geochemical Consequences of Large-Scale Assimilation in Ocean Island Development. pp.1077-1089.

**Journal of Structural Geology**

**Vol.19, No.12, 1997**

- T.F.FLIERVOET: Evidence for dominant grain boundary sliding deformation in greenschist- and amphibolite-grade plyminerale ultramylonites from the redbank deformed. p.1495.
- T.J.RINGROSE: Confidence regions for fabric shape diagrams. p.1527.
- J.M.SPANG and D.A.McCONNELL: Effect of initial fault geometry on the development of fixed-hinge, fault-propagation folds. p.1537.

**Vol.20, No.1, 1998.**

- S.LACROIX and E.W.SAWYER: Pluton emplacement within an extensional transfer zone during dextral strike-slip faulting: an example from the late Archaean Abitibi Greenstone Belt. p.43.
- J.KRAUS: Relationships between foliation development, porphyroblast growth and large-scale folding in a metaturbidite suite, Snow Lake, Canada. p.61.

**Lithos****Vol.43, No.1, 1998**

- SHOJI ARAI and KYOKO MATSUKAGE: Petrology of a chromitite micropod from Hess Deep, equatorial Pacific: a comparison between abyssal and alpine-type Podiform chromitites. pp.1-14.
- GASTON GODARD and JEAN-LUC MABIT: Pewraluminous sapphirine formed during retrogression of a kyanite-bearing eclogite from Pays de Leon, Armorican Massif, France. pp.15-29.

**Mineralogy and Petrology****Vol.61, No.1-4, 1997**

- F.STOPPA and V.V.SHARYGIN: New mineral data from the kamafugite-carbonatite association: The melilitolite from Pian di Celle, Italy. p.27.
- F.FINGER and M.P.ROBERTS: Variscan granitoids of central Europe: Their typology, potential sources and tectonothermal relations. p.67.
- A.SERGI: Mafic microgranular enclaves from the xanthi pluton Northern Greece: An example of mafic felsic magma interactions. p.97.
- M.AKASAKA: Fe-57 mossbauer study of pumpellyite-okhotskite-julgoldite series minerals. p.181.
- F.CASTORINA and P.CENSI: Carbonatites from eastern Paraguay and genetic relationships with potassic magmatism: C, O, Sr and Nd isotopes. p.237.

**National Geographic****Vol.193, No.2, February 1998**

- JOHN NOBLE WILFORD: Revolutions in Mapping. pp. 6-39.

**Vol.193, No.4, April 1998**

- RICHARD MONASTERSKY: Life grows up. pp. 100-114.

**Nature****Vol.393, No.6683, 28 May 1998**

- MICHAEL OPPENHEIMER: Global warming and the stability of the West Antarctic Ice sheet. pp.325-332.
- ANDREW P. JEPHCOAT: Rare-gas solids in the Earth's deep interior. pp.355-358.
- RICHARD ROBERTS and Others: Optical and radiocarbon dating at Jinmium rock shelter in northern Australia. pp.358-362.

**ONGC Bulletin****V.34, No.1, 1997**

- HARI NARAIN: My Reminiscences of ONGC (1956-1964).pp.1-20.
- S.N.TALUKDAR: Challenges in the Area of R&D in Hydrocarbon Exploration. 21-25.
- V.RAIVERMAN: Surface Stratigraphy of Ganga Basin and New Leads for Hydrocarbon Exploration. pp.43-65.
- A.K.DAS and others: Seismic Stratigraphy and Hydrocarbon Prospects of Gondwana Sediments in Kavitam-Bhimavaram Area, Southeast of Tanuku Ridge, Krishna-Godavari Basin. pp.67-80.
- SUCHETA DOTIWALA and K.K.S.PANGTEY: Structural setting and Hydrocarbon Prospects of the Son-Mahanadi Basin, India - Emphasis on the Son Graben. pp.81-97.
- H.L. KAK and others: Exploration for Hydrocarbons in Jwalamukhi Area - A Holistic Approach. pp.99-113.
- T.P. SINGH: A Software for Determining Sedimentary Thickness in a Basin from Gravity Data using Inversion Techniques. pp.115-142.

**Palaeogeography Palaeoclimatology Palaeoecology****Vol.137, No.1-2, 1998.**

- B.A.MAHER: Magnetic properties of modern soils and Quaternary loessic paleosols: Paleoclimatic implications. p.25.
- S.F.MITCHELL: Foraminiferal response to mid-Cenomanian upper Cretaceous palaeoceanographic events in the Anglo-Paris basin, northwest Europe. p.103.
- C.K.KHAJURIA: Taphonomy of a Late Cretaceous mammal-bearing microvertebrate assemblage from the Deccan inter-trappean beds of Naskal, Peninsular India. p.153.

**Precambrian Research****Vol.88, Nos.1-4, 1998**

P. NEUMAYR and others: Timing of gold mineralization in the Mt. York district, Pilgangoora greenstone belt, and implications for the tectonic and metamorphic evolution of an area linking the western and eastern Pilbara Craton. pp.249-265.

**Vol.89, Nos.1-2, 1998**

B. RONALD FROST and others: Evidence for extensive Proterozoic remobilization of the Aldan shield and implications for Proterozoic plate tectonics reconstructions of Siberia and Laurentia. pp.1-23

K. Y. TOMLINSON and others: The Red Lake greenstone belt, Superior Province: evidence of plume-related magmatism at 3 Ga and evidence of an older enriched source. pp.59-76

YANAN SHEN and others: The carbon and sulfur isotope signatures in the Precambrian-Cambrian transition series of the Yangtze Platform. pp.77-86.

**Vol.89, Nos.3-4, 1998**

THOMAS OBERTHUR and others: Age constraints on gold mineralization and Paleoproterozoic crustal evolution in the Ashanti Belt of Southern Ghana. pp.129-143.

**Physics Today****Vol.51, No.4, 1998**

RAY LADBURY: Energy Budget of Deep-Focus Earthquakes suggests they may be Slip-Sliding away. pp.19-21.

**Reviews of Geophysics****Vol.36, No.1, 1998**

R. I. WALCOTT: Modes of oblique compression: Late Cenozoic tectonics of the south Island and New Zealand. p.1.

C. LITHGOWMERTELLONI: The dynamics of Cenozoic and Mesozoic plate motions. p.27.

**Tectonophysics****Vol.288, Nos.1-4, 1998**

Y. V. GANCHIN and others: Seismic studies around the Kola Superdeep Borehole, Russia. pp.1-16.

B. RAJENDRA PRASAD and others: Structure and tectonics of the Proterozoic Aravalli-Delhi Fold Belt in north-western India from deep seismic reflection studies. pp.31-41.

R. J. KORSCH and others: Crustal architecture of central Australia based on deep seismic reflection profiling. pp.57-69.

BALAZA NEMEYH and ZOLTAN HANJAL: Structure of the lithospheric mantle beneath the Trans-Hudson Orogen, Canada. pp.93-104

TRINE DAHL-JENSEN and others: Crustal structure at the SE Greenland margin from wide-angle and normal incidence seismic data. pp.191-198.

F. J. DAVEY and others: Preliminary results from a geophysical study across a modern, continent-continent collisional plate boundary—the southern Alps, New Zealand. pp.221-235.

GARY S. FUIS: West margin of North America—a synthesis of recent seismic transects. pp.265-292.

**Vol.289, Nos.1-3, 1998**

CEZAR I. TRIFU and Micheal Fehler (Eds.), New Trends in Seismological Research: Studies of Seismicity induced by Mining, Petroleum and Geothermal Activities. pp.1-255.

**Vol.289, No.4, 1998**

A. POLAT and others: The late Archean Schreiber-Hemlo and White River- Dayohessarah greenstone belts, Superior Province: collages of oceanic plateaus, oceanic arcs, and subduction-accretion complexes. pp.295-326.

O. LESNE and others: Finite element modelling of crustal deformation in the Baikal rift zone: new insights into the active - passive rifting debate. pp.327-340.

---

Printed by M. Nagaraju and published by B.P. Radhakrishna on behalf of Geological Society of India and printed by Pragati Graphics, 22/1, 3rd Main Road, Vinayaknagar, Bangalore - 560 050 and published at Bangalore - B.P. Radhakrishna