

Recent publications

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Abstracts & proceedings

Barnes R, **Jaireth** S, Mieziitis Y & Suppel D. 1999. Regional mineral potential assessments for land use planning: GIS-based examples from eastern Australia. In: Weber G, ed. Proceedings of PACRIM '99. International congress on earth science, exploration and mining around the Pacific Rim, Bali and Indonesia, Oct 10–13. AusIMM publication series; 4/99:601–605.

Barton CE. 1999. [abstract]. An aeromagnetic risk map of Australia. International Union of Geodesy & Geophysics XXIIInd general assembly, Birmingham (England), Jul 18–30. Abstracts week A:A297.

Barton CE & Lewis AM. 1999. [abstract]. Geomagnetic super repeat stations. International Union of Geodesy & Geophysics XXIIInd general assembly, Birmingham (England), Jul 18–30. Abstracts week A:A381.

Barton TJ. 1999. [abstract]. Crustal structure of northern Tasmania based upon a deep seismic transect. The specialist group in tectonics and structural geology field conference, Halls Gap (Vic), Feb 14–19. Sydney: Geological Society of Australia, abstracts series 53:3–4.

Blewett RS & Huston D. 1999. [abstract]. Structural controls of Archaean gold in the north Pilbara craton, Western Australia. The specialist group in tectonics and structural geology field conference, Halls Gap (Vic), Feb 14–19. Sydney: Geological Society of Australia, abstracts series 53:15–16.

Blewett RS & Wellman P. 2000. [abstract]. Geophysical and tectonic framework of the Archaean Pilbara craton, Western Australia. In: Proceedings of the Geoscience 2000 symposium, Manchester, Apr 17–20. University of Manchester; 42.

Cassidy KF & Hagemann SG. 1999. Archaean high P-T, granitoid-hosted gold mineralisation at Westonia, Western Australia—I. Evidence for syn-peak metamorphic mineralisation in a high-grade terrain: Mineral deposits, processes to processing. In: Stanley CJ et al., eds. Proceedings of the 5th biennial SGA meeting and the 10th quadrennial IAGOD symposium, London, Aug 22–25. Rotterdam: AA Balkema; 2:1013–1016.

Champion DC & Smithies RH. 1999. [abstract]. Archaean granites of the Yilgarn and Pilbara cratons, Western Australia: Secular changes. 4th Hutton Symposium—the origin of granites and related rocks, Clermont-Ferrand (France), Sept 20–25. BRGM document 290; 137.

Chan RA. 1999. Palaeodrainage and its significance to mineral exploration in the Bathurst region, NSW. In: Taylor G & Pain CF, eds. Regolith '98, Australian regolith and mineral exploration: New approaches to an old continent. Proceedings of 3rd Australian regolith conference, Kalgoorlie, 1998. Canberra: CRC LEME; 38–54.

Deen TJ, Gohl K, Leslie C, Papp E & Wake-Dyster K. 2000. [abstract]. Seismic refraction inversion of a palaeochannel system in the Lachlan Fold Belt, central New South Wales. Preview, Feb; 84:110.

Donaghy A, **Gibson** G, Nutman A, Hall M & Maidment D. 1999. [abstract]. Rethinking the Palaeoproterozoic geological history of Broken Hill, NSW, Australia: Speculation towards a synthesis of structure, geochronology and lithological mapping. The specialist group in tectonics and structural geology field conference, Halls Gap (Vic), Feb 14–19. Sydney: Geological Society of Australia, abstracts series 53:48–49.

Drummond BJ, Kennett BL, Korsch RJ, Goleby BR & Symonds PA. 1999. [abstract]. Plate tectonic processes in the south-west Pacific: A spatial and temporal context. In: Hough M, ed. Mid-Cretaceous to Recent plate boundary processes in the southwest Pacific: Penrose conference, Arthur's Pass (NZ), Mar 25–30. Abstract volume: 27–30.

Finlayson DM, Glen RA, Korsch RJ & Johnstone DW. 1999. [abstract]. Seismic imaging of the Lachlan Transverse Zone, a major cross-cutting tectonic feature of eastern Australia. International Union of Geodesy & Geophysics XXIIInd general assembly, Birmingham (England), Jul 18–30; B:146.

Fomin T, Goncharov A, Collins C & Drummond B. [abstract]. Acoustic structure and seismic velocities in the Carnarvon Basin, Australian North-west Shelf: Towards an integrated study. Preview, Feb; 84:112–113.

Foster CB & Logan G. 2000. [abstract on CD]. Carbon isotopes, Tmax and EOM as environmental proxies: Application to oil/source correlation—examples from the Permian-Triassic of Australia. American Association of Petroleum Geologists 2000 annual meeting, New Orleans, April 16–19.

Gibson DL & Chan RA. 1999. Aspects of palaeodrainage in north Lachlan Fold Belt. In: Taylor G & Pain CF, eds. Regolith '98, Australian regolith and mineral exploration: New approaches to an old continent. Proceedings of 3rd Australian regolith conference, Kalgoorlie, 1998. Canberra: CRC LEME; 23–37.

Gibson DL, O'Sullivan PB & Chan RA. 2000. Middle Cretaceous denudation in the southeast highlands of Australia: Possible reconciliation of fission track and geomorphological results. In: Noble WP, O'Sullivan PB & Brown RW, eds. 9th international conference on fission track dating and thermochronology, Lorne, Feb 6–11; Sydney: Geological Society of Australia; abstracts series 58:113–115.

Glen RA, **Korsch** RJ, Finlayson DM, Johnstone DW & Walshe JL. [abstract]. The Lachlan Transverse Zone and constraints on the development of the Lachlan Orogen. The specialist group in tectonics and structural geology field conference, Halls Gap (Vic), Feb 14–19. Sydney: Geological Society of Australia, abstracts series 53:82–83.

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Goleby BR, **Drummond** BJ & **Korsch** RJ. 1999. [abstract]. The crustal structure of central Australia from deep seismic profiling. Orogenesis in the outback: A look at cyclicity and reactivation in Orogenic belts—specialist group in geochemistry, mineralogy and petrology, Alice Springs, Jul 12–16. Sydney: Geological Society of Australia, abstracts 54:31–33.

Goncharov A, **O'Brien** G & **Drummond** B. 2000. [abstract]. Seismic velocities in the North West Shelf region, Australia, from near-vertical and wide-angle reflection and refraction studies. Preview, Feb; 84:69.

Goncharov A & **Pylypenko** V. 2000. [abstract]. Seismic migration in near-vertical and wide-angle reflection and refraction studies: Towards a unified approach. Preview, Feb; 84:83.

Goncharov A, **Pylypenko** V & **Drummond** B. 1999. [abstract in Russian]. Seismic studies of the Australian North West Shelf: Answers and questions of an integrated approach. International conference '50 years of deep-seismic sounding', Moscow, May 19–22; 14.

Greenwood PF, **George** SC, **Al Arouri** K & **Summons** RE. 1999. [abstract]. Tasmanite oil shale, tasmanites and novel tricyclic terpenoids. In: Proceedings of the 19th international meeting on organic geochemistry, Istanbul, Sept 6–10; pt II(S.I.): 665–666.

Hagemann SG & **Cassidy** KF. 1999. Archean high P-T, granitoid-hosted gold mineralisation at Westonia, Western Australia—II. P-T-X constraints on a gold-bearing paleohydrothermal system in a high-grade terrain: Mineral deposits, processes to processing. In: Stanley CJ et al., eds. Proceedings of the 5th biennial SGA meeting and the 10th quadrennial IAGOD symposium, London, Aug 22–25. Rotterdam: AA Balkema; 2:1021–1024.

Jones T. 1999. Reducing the risk from Hunter earthquakes: The Newcastle 99 project—advances in the study of the Sydney Basin. In: Diessel C, Swift S & Francis S, eds. Proceedings of the 33rd Newcastle Symposium, Newcastle, Jul 30–Aug 1. Newcastle: University of Newcastle (Dept of Geology); 9–14.

Korsch RJ. 1999. [abstract]. Deformation in the Bowen Basin in response to the development of a foreland thrust system in the adjacent New England Orogen, eastern

Australia. In: Thrust tectonics '99 conference program. Royal Holloway: University of London; 67–68.

Korsch RJ. 1999. [abstract]. Early Mesozoic to Eocene events of the Australian-Pacific plate boundary: Insights from the continental sedimentary record. In: Hough M, ed. Mid-Cretaceous to Recent plate boundary processes in the southwest Pacific: Penrose conference, Arthur's Pass (NZ), Mar 25–30. Abstract volume: 56–58.

Korsch RJ, **Barton** TJ, **Drummond** BJ, et al. 1999. [abstract]. Deep seismic imaging of thrust systems in the Phanerozoic Tasman Orogenic System, eastern Australia. In: Thrust tectonics '99 conference program. Royal Holloway: University of London; 238–239.

Korsch RJ, **Barton** TJ, **Gray** DR, **Owen** AJ & **Foster** D. 1999. [abstract]. Structural interpretation of a deep seismic reflection transect in the vicinity of the Grampians, Victoria. The specialist group in tectonics and structural geology field conference, Halls Gap (Vic), Feb 14–19. Sydney: Geological Society of Australia, abstracts series 53:139–141.

Kritski A, **Muller** RD, **Collins** CD & **Christeson** GJ. 2000. [abstract]. Velocity structure of the Argo and Roebuck Basins, North West Shelf of Australia. Preview, Feb; 84:112.

Lambert IB & **McKay** AD. 1999. An approach towards achieving best practice in development of uranium resources. In: Proceedings of 28th meeting of joint OECD Nuclear Energy Agency & International Atomic Energy Agency uranium group, Vienna, Jun 21–23; unnumb.

Lawrie KC, **Mernagh** TP & **Hinman** MC. 1999. Hydrocarbons and fluid mixing in the formation of Cobarr-style deposits: Mineral deposits, processes to processing. In: Stanley CJ et al., eds. Proceedings of the 5th biennial SGA meeting and the 10th quadrennial IAGOD symposium, London, Aug 22–25. Rotterdam: AA Balkema; 1:243–246.

Leslie C, **Jones** L, **Papp** E, **Wake-Dyster** K, **Deen** TJ & **Gohl** K. 2000. [abstract]. High-resolution seismic imagery of palaeochannels near West Wyalong, New South Wales. Preview, Feb; 84:119.

Longley IM, **Bradshaw** MT & **Hebbenger** J. 1999. [abstract]. Australian petroleum provinces of the 21st century. Wallace E Pratt

memorial conference on petroleum provinces of the 21st century. AAPG Bulletin; 83(12):2037.

Mackey T & **Gunn** PJ. 2000. [abstract]. Structural framework of the Mearthar Basin, northern Australia interpreted from aeromagnetic data. Preview, Feb; 84:114.

Mackey T, **Lawrie** K, **Wilkes** P, **Munday** T, **Chan** R & **Gibson** D. 2000. [abstract]. Palaeochannels near West Wyalong, New South Wales: A case study in delineation and modelling using aeromagnetism. Preview, Feb; 84:73.

Maidment DW, **Gibson** GM & **Giddings** JW. 2000. [abstract]. Regional structure and distribution of magnetite: Implications for the interpretation of aeromagnetic data in the Broken Hill region, New South Wales. Preview, Feb; 84:80.

McKay AD & **Lambert** IB. 1999. Recent trends in uranium exploration and technical issues for proposed mines in Australia. In: Proceedings of Australian uranium summit conference, Darwin, Mar 29–30. Melbourne: AIC Conferences; unnumb.

McKay WJ & **Porritt** K. 1999. Application of GIS-based systems for land use decisions and resource management in relation to small- and medium-scale mining. In: Proceedings of Asia Pacific Economic Community Group of Experts on Minerals & Energy Exploration & Development 3rd environmental cooperation workshop for sustainable development of mining activities, Cairns, Oct 5–8; loose leaf.

Meixner TJ, **Gunn** PJ, **Boucher** RK, **Yeates** TN, **Richardson** LM & **Frears** RA. 2000. [abstract]. The nature of the basement to the Cooper Basin region, South Australia. Preview, Feb; 84:114.

Minty BG. 2000. [abstract]. Automatic merging of gridded airborne gamma-ray spectrometric surveys. Preview, Feb; 84:104.

Munday T, **Lawrie** K, **Chan** R, **Gibson** D & **Wilkes** P. 2000. [abstract]. Geological constraints on electrical structures identified in Gilmore Fault Zone TEMPEST AEM data: Implications for exploration in an area of complex regolith cover. Preview, Feb; 84:104.

Munday T, **Lawrie** K, **Scott** T, **Wilford** J & **Wilkes** P. 2000. [abstract]. Parna petrophysics—implications for its detection using airborne geophysics

and their potential application for land management in western NSW. *Preview*, Feb; 84:86.

Owen AJ, Bateman R, Goleby BR & Drummond BJ. 1999. [abstract]. Regional seismic reflection profiling, Kalgoorlie goldfield, Western Australia. The specialist group in tectonics and structural geology field conference, Halls Gap (Vic), Feb 14–19. Sydney: Geological Society of Australia, abstracts series 53:188–190.

Pain CF, Wilford JR & Dohrenwend JC. 1999. Regolith-landform evolution on Cape York Peninsula: Implications for mineral exploration. In: Taylor G & Pain CF, eds. *Regolith '98*, Australian regolith and mineral exploration: New approaches to an old continent. Proceedings of 3rd Australian regolith conference, Kalgoorlie, 1998. Canberra: CRC LEME; 55–66.

Palmer D, **Goleby B** & Drummond B. 2000. [abstract]. The effects of spatial sampling on refraction statics. *Preview*, Feb; 84:113.

Parkinson WD & **Barton CE**. 1999. [abstract]. Video of magnetic repeat station work in Australia, 1937. International Union of Geodesy & Geophysics XXIIInd general assembly, Birmingham (England), Jul 18–30. Abstracts week A:A382.

Passmore VL, Edwards DS & Kennard JM. 1999. [abstract]. Enhanced Permo-Triassic prospectivity in the Timor Sea provided by a new Paleozoic petroleum system. American Association of Petroleum Geologists 1999 annual meeting, San Antonio, Apr 11–14; expanded abstracts A105.

Petkovic P, Collins CD & Finlayson DM. 2000. [abstract]. Crustal structure across the Vulcan Sub-basin from seismic refraction and gravity data. *Preview*, Feb; 84:111.

Popkov I, White A, Heinson GS, Constable S, **Milligan P** & Lilley FE. 2000. [abstract]. Electromagnetic investigation of the Eyre Peninsula conductivity anomaly. *Preview*, Feb; 84:107–108.

Radlinski AP. 2000. [abstract]. Small angle neutron scattering—a new technique to detect generated source rocks. American Association of Petroleum Geologists 2000 annual meeting, New Orleans, April 16–19; expanded abstracts A121.

Radlinski AP, Edwards DS, Crawford N, O'Brien GW & Witham WJ. 1999. [abstract]. Fluorimetry: New tools for petroleum exploration. American Association of Petroleum Geologists 1999 annual meeting, San Antonio, Apr 11–14; expanded abstracts A113.

Radlinski AP & Radlinska EZ. 1999. [abstract]. Applications of small angle scattering to petroleum geology. In: Proceedings of the 11th Australian conference on nuclear techniques of analysis, Lucas Heights, Nov 24–26. Sydney: Australian Institute of Nuclear Science & Engineering; 23.

Rawlinson N, Semenova TO, Houseman GA, **Collins CD** & Drummond BJ. 1999. [abstract]. Crustal models of northern Tasmania from wide-angle seismic data. The specialist group in tectonics and structural geology field conference, Halls Gap (Vic), Feb 14–19. Sydney: Geological Society of Australia, abstracts series 53:208–210.

Rudge A, **Goleby B** & Barr T. 1999. [abstract]. The crustal structure of the Arunta Block and northern Amadeus Basin: From AGSO deep reflection seismic data. Orogenesis in the outback: A look at cyclicity and reactivation in Orogenic belts—specialist group in geochemistry, mineralogy and petrology, Alice Springs, Jul 12–16. Sydney: Geological Society of Australia, abstracts 54:94.

Skirrow RG. 1999. Proterozoic Cu–Au–Fe mineral systems in Australia—filtering key components in exploration models: Mineral deposits, processes to processing. In: Stanley CJ et al., eds. Proceedings of the 5th biennial SGA meeting and the 10th quadrennial IAGOD symposium, London, Aug 22–25. Rotterdam: AA Balkema; 2:1361–1364.

Smithies RH & **Champion DC**. 1999. [abstract]. Archaean high-Mg diorite (sanukitoid) suite, Pilbara craton, Western Australia. 4th Hutton symposium—the origin of granites and related rocks, Clermont-Ferrand (France), Sept 20–25. BRGM document 290; 190.

Sproule RA, Lambert DD & **Hoatson DM**. 1999. [abstract]. R-factor and Os isotopic systematics in magmatic sulfide deposits in the Halls Creek Orogen, Western Australia. Joint annual meeting Geological Association of Canada & Mineralogical Association of Canada, Sudbury (Ontario), May 26–28; abstract volume 24:120.

Stewart A. 1999. [abstract]. Recognition, structural significance and prospectivity of early (F1) folds in the Minerie 1:100 000 sheet area, Eastern Goldfields, Western Australia. The specialist group in tectonics and structural geology field conference, Halls Gap (Vic), Feb 14–19. Sydney: Geological Society of Australia, abstracts series 53:257–258.

Stewart A. 1999. [abstract]. Subeclogitic rocks and their implications for crustal structure in the western Musgrave Block, central Australia. The specialist group in tectonics and structural geology field conference, Halls Gap (Vic), Feb 14–19. Sydney: Geological Society of Australia, abstracts series 53:254–255.

Stump E, Edgerton DG & **Korsch RJ**. 1999. [abstract]. Tectonic model for the Ross Orogen from Southern Victoria Land to the Queen Maud Mountains: Strain partitioning in both space and time. In: Skinner DN, ed. 8th international symposium of Antarctic earth sciences: Program and abstracts. Wellington: Royal Society of New Zealand; 296.

Towner R. 2000. Australian Industrial Minerals: Resources for future opportunities. In: Australian minerals & markets 2000 conference handouts, Perth, Nov 21–23; unnumb.

Towner R. 2000. Australia, still a major player. Mineral sands forecast 2000 conference handouts, Melbourne, May 1–2. Australasian Journal of Mining; unnumb.

Tracey RM. 2000. [abstract]. Precise GPS measurements for regional gravity surveys—the AGSO experience. *Preview*, Feb; 84:118.

Wartenberg W, **Korsch RJ** & Schafer A. 1999. Geometry of the Tamworth Belt in the New England Orogen beneath the Surat Basin, southern Queensland. In: Flood PG, ed. Conference papers: Regional geology, tectonics and metallogenesis, New England orogen, Armidale, Feb 1–3. Armidale: University of New England; 211–219.

Waschbusch P, Beaumont C & **Korsch RJ**. 1999. Geodynamic modelling of aspects of the New England orogen and adjacent Bowen, Gunnedah and Surat Basins. In: Flood PG, ed. Conference papers: Regional geology, tectonics and metallogenesis, New England orogen, Armidale, Feb 1–3. Armidale: University of New England; 203–210.

Willcox B, Johnstone D, Wake-Dyster K et al. 2000. [abstract]. A deep-crustal seismic image through the Bancannia Trough and Koonenberry Zone, New South Wales. Preview, Feb; 84:114.

Williams PJ, Dong G, Pollard PJ, Perring CS, Ryan CG & **Mernagh** TP. 1999. Fluid inclusion geochemistry of Cloncurry (Fe)-Cu-Au deposits: Mineral deposits, processes to processing. In: Stanley CJ et al., eds. Proceedings of the 5th biennial SGA meeting and the 10th quadrennial IAGOD symposium, London, Aug 22–25. Rotterdam: AA Balkema; 1:111–114.

Yeates T, Meixner T & Gunn PJ. 2000. [abstract]. An interpreted ~1240 km-diameter multi-ring structure, of possible impact origin, centred beneath the Deniliquin region, southeastern Australia. Preview, Feb; 84:81–82.

Articles

Arne D, Bierlein F, McKnight S & **Mernagh** TP. 1999. Recognition of wallrock alteration in sediment-hosted mesothermal gold deposits: Examples from central Victoria. Australian Institute of Geoscientists Bulletin; 30:89–96.

Auzende J-M, Beneton G, Dickens G, **Exon** N, Francois C & Holdway D. 2000. Mise en évidence de diapirs mésozoïques sur la bordure orientale de la ride de Lord Howe (Sud-Ouest Pacifique: campagne ZoNeCo 5). Comptes Rendus de L'Académie des Sciences (Paris): Sciences de la terre et des planètes; 330(3):209–215.

Auzende J-M, Dickens G, **Van De Beuque** S, Exon N, Francois C & Lafoy A. 2000. Thinned crust in the south-west Pacific may harbor gas hydrate. Eos—Transactions of American Geophysical Union; 81(17):182, 184–185.

Ayress M, Barrows T, **Passlow** V & Whatley R. 1999. Neogene to Recent species of the Krithe (Crustacea: Ostracoda) from the Tasman Sea and off southern Australia with description of five new species. Records of the Australian Museum; 51(1):1–22.

Barton CE. 1999. Oersted and Fedsat—two new satellites to map the geomagnetic field. AusGeo News, Aug; 53:4, 16.

Baxter K, Cooper GT, Hill KC & **O'Brien** GW. 1999. Late Jurassic subsidence and passive margin evolution in the Vulcan Sub-basin,

north-west Australia: Constraints from basin modelling. Basin Research; 11(2):97–111.

Baxter K, Hill KC, Cooper GT & **O'Brien** GW. 1999. Flexural isostatic modelling in the Vulcan Sub-basin, Timor Sea: Constraints on lithosphere deformation and palaeo-heat flow during passive margin formation. Research Review CSIRO Exploration & Mining; 121–123.

Berelson WM, Townsend T, **Heggie** DT, et al. 1999. Modelling bio-irrigation rates in the sediments of Port Phillip Bay. Marine & Freshwater Research; 50(6):573–580.

Bierwirth P, Blewett R & Huston D. Finding new mineral prospects with HYMAP: Early results from a hyperspectral remote-sensing case study in the west Pilbara. 1999. AGSO Research Newsletter, Nov; 31:1–3.

Black L, Claoue-Long JC, Korsch RJ, Williams IS & Metcalfe I. 1999. The importance of SHRIMP to Phanerozoic timescales. Australian Geologist; 112:8–9.

Blewett R & Huston DL. 1999. Deformation and gold mineralisation of the Archaean Pilbara Craton, Western Australia. AGSO Research Newsletter, May; 30:12–15.

Blewett R. 1999. The Northeast Pilbara GIS teaching package. AusGeo News, Apr; 51:11–13.

Boreham CJ, Horsfield B & Schenk HJ. 1999. Predicting the quantities of oil and gas generated from Australian Permian coals, Bowen Basin using pyrolytic methods. Marine & Petroleum Geology; 16(2):165–188.

Boreham CJ & Summons RE. 1999. New insights into the active petroleum systems in the Cooper and Eromanga Basins, Australia. APPEA Journal; 39(1):263–296.

Bradshaw MT, Foster CB, Fellows ME & Rowland DC. 1999. Australia's search for petroleum: Patterns of discovery. Oil & Gas Journal; 97(23):37–42, 44.

Bradshaw MT, Foster CB, Fellows ME & Rowland DC. 1999. The Australian search for petroleum: Patterns of discovery. APPEA Journal; 39(1):12–29.

Bradshaw MT, Foster CB, Fellows ME & Rowland DC. 1999. Patterns of discovery in Australia, part 2. Oil & Gas Journal; 97(24):111–116.

Brakel A. 1999. The McArthur Basin in central-east Arnhem Land: Geoscientifically detailing Mount Marumba and Blue Mud Bay 1:250 000 sheet areas. AusGeo News, Dec; 55:18–19.

Brakel AT. 1999. Avoiding stratigraphic confusion in exploration: The need for standards in sequence stratigraphy. APPEA Journal; 39(1):485–493.

Brakel AT & Passlow V. 1999. Preliminary AGSO scheme for standard database entry of sequence stratigraphic units. AGSO Research Newsletter, Nov; 31:20–21.

Brocks JJ, Logan GA, Buick R & Summons RE. 1999. Archean molecular fossils and the early rise of eukaryotes. Science; 285(5430): 1033–1036.

Brodie RC. 1999. Investigating salinity using airborne geophysics. Preview, Oct; 82:13–16.

Bucefalo PR & **Riding** JB. 1999. Early Jurassic (Pliensbachian-Toarcian) dinoflagellate migrations and cyst paleoecology in the Boreal and Tethyan realms. Micropaleontology; 45(2):201–214.

Burns KA, Codi S, **Heggie** D, et al. 1999. Dispersion and fate of produced formation water constituents in an Australian Northwest Shelf shallow water ecosystem. Marine Pollution Bulletin; 38(7):593–603.

Chamalaun FH, Lilley FE & **Wang** LJ. 1999. Mapping the Carpentaria conductivity anomaly in northern Australia. Physics of the Earth & Planetary Interiors; 116:105–115.

Colhoun EA, Pola JS, **Barton** CE & Heijnis H. 1999. Late Pleistocene vegetation and climate history of Lake Selina, western Tasmania. Quaternary International; 57/58:5–23.

Cowley R & **O'Brien** GW. 2000. Identification and interpretation of leaking hydrocarbons using seismic data: A comparative montage of examples from the major fields of Australia's North West Shelf and Gippsland Basin. APPEA Journal; 40(1):121–150.

Craig MA, Wilford JR & Tapley IJ. 1999. Regolith-landform mapping in the Gawler Craton—an alternative approach. MESA Journal; 12:17–21.

- Crame JA, McArthur JM, Pirrie D & **Riding** JB. 1999. Strontium isotope correlation of the basal Maastrichtian Stage in Antarctica to the European and US biostratigraphic schemes. *Journal Geological Society of London*; 156(5):957-964.
- Deen TJ, Gohl K, **Leslie** C, Papp E & Wake-Dyster K. 2000. Seismic refraction inversion of a palaeo-channel system in the Lachlan Fold Belt, central New South Wales. *Exploration Geophysics*; 31(1-2): 389-393.
- Dent DL, **Lawrie** KC & Munday TJ. 1999. Running down salt in Australia, I: A multi-disciplinary approach. *The Land*; 3.3:179-198.
- Doyle MG & **Huston** DL. 1999. The subsea-floor replacement origin of the Ordovician Highway-Reward volcanic-associated massive sulfide deposit, Mount Windsor Sub-province, Australia. *Economic Geology*; 94(6):825-843.
- Draper JJ, **Boreham** CJ & Stockill B. 1999. Hydrocarbon potential of the Drummond Basin, central Queensland: A reassessment based on seismic, aeromagnetic and geochemical data. *APPEA Journal*; 39(1):728.
- Duggan** M & Lyons P. 1999. Ocean-floor volcanism in the Lachlan Fold Belt: New evidence from the Wyalong area, New South Wales. *AGSO Research Newsletter*, Nov; 31:11-12.
- Edwards** D. 1999. AGSO's 'Oil identification reference kit'. *AusGeo News*, Aug; 53:25.
- Edwards** DS, Struckmeyer HI, Bradshaw MT & Skinner JE. 1999. Geochemical characteristics of Australia's southern margin petroleum systems. *APPEA Journal*; 39(1):297-321.
- Exon** N & Hill P. 1999. Seabed mapping using multibeam swath-mapping systems: An essential technology for mapping Australia's margins. *AGSO Journal of Australian Geology & Geophysics*; 17(5/6):1-16.
- Exon** N & Symonds P. 1999. A major program of seabed mapping off eastern Australia. *AusGeo News*, Oct; 54:10-11.
- Finn C, Moore D, Damaske D & **Mackey** T. 1999. Aeromagnetic legacy of Early Paleozoic subduction along the Pacific margin of Gondwana. *Geology*; 27(12):1087-1090.
- Fomin** T, Drummond B & Leven J. 1999. Seismic reflection and refraction studies in the Broken Hill region. *Minfo: New South Wales Mining & Exploration Quarterly*; 62:26-28.
- Foster** CB, Winchester-Seto TM & O'Leary T. 1999. Preliminary study of the environmental significance of Middle Ordovician (Darrwillian) acid resistant microfossils from the Canning Basin, Western Australia. *Acta Universitatis Carolinae—Geologica*; 43(1/2):311-314.
- Fredericks** DJ, Heggie DT, Longmore A, Palmer D, Smith C & Skyring GW. 1999. Nutrient recycling and benthic activity in a shallow coastal lagoon in Western Australia. *AGSO Research Newsletter*, Nov; 31:4-6.
- Gaina C, Muller RD, Royer JY & **Symonds** P. 1999. Evolution of the Louisiade triple junction. *Journal of Geophysical Research*; 104(B6): 12 927-12 939.
- Gang C, Hill KC, **O'Brien** GW & Cooper GT. 1999. 2D and 3D structural restoration, trap integrity and fluid migration in the Vulcan Sub-basin, Timor Sea, Australia. *APPEA Journal*; 39(1):725.
- Gibson** G. 1999. Willyama supergroup structure and mineral exploration. *Minfo: New South Wales Mining & Exploration Quarterly*; 62:10-12.
- Gibson** GM & Ireland TR. 1999. Black giants anorthosite, New Zealand: A Paleozoic analogue of Archean stratiform anorthosites and implications for the formation of Archean high-grade gneiss terranes. *Geology*; 27(2):131-134.
- Gibson JA, Trull T, Nichols PD, **Summons** RE & McMinn A. 1999. Sedimentation of (super 13) C-rich organic matter from Antarctica sea-ice algae: A potential indicator of past sea-ice extent. *Geology*; 27(4):331-334.
- Giddings** JW, Gibson GM & Maidment DW. 1999. Rock-property-structural-geology synergy at work in Broken Hill: A case for structural control of linear magnetic anomalies. *AGSO Research Newsletter*, May; 30:7-10.
- Gladwin MT, Smith CP, Murakami M, Murphy B & **Morse** M. 1999. An absolute gravimeter comparison in Australia towards establishment of a precise reference frame for mean sea level change monitoring in the southwestern Pacific. *Research Review CSIRO Exploration & Mining*; 80-82.
- Goley** B & Korsch R. 1999. Yilgarn and east Lachlan deep-seismic surveys. *AusGeo News*, Oct; 54:8-9.
- Goncharov** A. 1999. Australian and Ukrainian scientists work together to enhance seismic images of the deep crust. *AusGeo News*, Apr; 51:8.
- Goncharov** AG, Collins CD, Petkovic P & Fomin TN. 1999. Seismic velocities in the Petrel Sub-basin from the ocean-bottom seismograph studies: Implications for crustal structure and petroleum prospecting. *APPEA Journal*; 39(1):729-730.
- Goncharov** A, O'Brien G & Drummond B. 2000. Seismic velocities in the North West Shelf region, Australia, from near-vertical and wide-angle reflection and refraction studies. *Exploration Geophysics*; 31(1-2):347-352.
- Goncharov** A, Petkovic P, Fomin T & Symonds P. 1999. Crustal reflectivity and bulk seismic velocity: How close is the relationship? *AGSO Research Newsletter*, Nov; 31:6-11.
- Gudmundsson O, **Johnson** RW, Finalyson DM, et al. 1999. Multinational seismic investigation focuses on Rabaul Volcano. *Eos—Transactions of American Geophysical Union*; 80(24):269, 273.
- Gunn** PJ. 2000. [review]. Geophysical signatures of base metal deposits in Victoria. *Preview*, Feb; 84:58-59.
- Gunn** PJ & Vironmaki J. 2000. [meeting report]. Airborne geophysics in resource exploration. *First Break*; 17:367-371.
- Hand M, Sandiford M & **Wyborn** L. 1999. Some thermal consequences of high heat production in the Australian Proterozoic. *AGSO Research Newsletter*, May; 30:20-23.
- Harris** PT, Howard W, O'Brien PE, Sedwick PN & Sikes EL. 1999. Quaternary Antarctic ice-sheet fluctuations and Southern Ocean palaeoceanography: Natural variability studies at the Antarctic CRC. *AGSO Journal of Australian Geology & Geophysics*; 17(5/6):105-119.
- Harris** PT, Lecombe P & Carter RM. 1999. Sequence architecture during the Holocene transgression—an example from the Great Barrier Reef shelf, Australia: Discussion and reply. *Sedimentary Geology*; 125(3-4):235-241.

Harris PT, O'Brien PE, Quilty P, et al. 1999. Sedimentation and continental slope processes in the vicinity of an ocean waste-disposal site, southeastern Tasmania. *Australian Journal of Earth Sciences*; 46(4):577-591.

Heggie DT, Bishop JH, Evans D, Reyes EN & Lee C-S. 1999. Methane anomalies in seawaters of the Ragay Gulf, Philippines: Methane cycling and contributions to atmospheric greenhouse gases. *AGSO Journal of Australian Geology & Geophysics*; 17(5/6):239-245.

Heggie DT & Skyring GW. 1999. Flushing of Australian estuaries, coastal lakes and embayments: An overview with biogeochemical commentary. *AGSO Journal of Australian Geology & Geophysics*; 17(5/6):211-225.

Heggie DT, Skyring GW, Berelson WM, Longmore AR & Nicholson GJ. 1999. Sediment-water interaction in Australian coastal environments: Implications for water and sediment quality. *AGSO Journal of Australian Geology & Geophysics*; 17(5/6):159-173.

Heggie DT, Skyring GW, Orchardo J, Longmore AR, Nicholson GJ & Berelson WM. 1999. Denitrification and denitrifying efficiencies in sediments of Port Phillip Bay: Direct determinations of biogenic N-2 and N-metabolite fluxes with implications for water quality. *Marine & Freshwater Research*; 50(6):589-596.

Hill P. 1999. TASQWA targets Southern Ocean sediments to reveal global climatic history. *AusGeo News*, Feb; 50:17, 20.

Hitchman AP, Lilley FE & **Milligan** PR. 2000. Induction arrows from offshore floating magnetometers using land reference data. *Geophysical Journal International*; 140(2):442-452.

Hitchman AP, **Milligan** PR, Lilley FEM, White A & Heinson GS. 2000. The total-field geomagnetic coast effect: The CICADA97 line from deep Tasman Sea to inland New South Wales. *Exploration Geophysics*; 31(1-2):52-57.

Hoatson D. 1999. New geological map and monograph on the prospective Halls Creek 1:100 000 sheet area, East Kimberley, Western Australia. *AusGeo News*, Aug; 53:18.

Holdway D & **Heggie** DT. 2000. Direct hydrocarbon detection of

produced formation water discharge on the Northwest Shelf, Australia. *Estuarine Coastal & Shelf Science*; 50(3):387-402.

Hopgood PA. 2000. Surges, blackout but glowing skies as sun activity peaks. *AusGeo News*, Apr; 57:9.

Huston DL, Kamprad J & Brauhart C. 1999. Definition of high-temperature alteration zones with PIMA: An example from the Panorama VHMS district, central Pilbara Craton. *AGSO Research Newsletter*, May; 30:10-12.

Huston DL, Smithies RH & Sun S-S. 2000. Correlation of the Archaean Mallina-Whim Creek Basin: Implications for base metal potential of the central part of the Pilbara granite-greenstone terrane. *Australian Journal of Earth Sciences*; 47:217-230.

Idnurm M & Radhakrishna T. 1999. Australian and Indian Proterozoic APWPs and the time of amalgamation of India and Australia. In: Radhakrishna T & Piper JD, eds. *The Indian subcontinent and Gondwanaland: A palaeomagnetic and rock magnetic perspective*. Geological Society of India memoir 44; 33-44.

Jagodzinski EA & Black LP. 1999. U-Pb dating of silicic lavas, sills and syneruptive resedimented volcanoclastic deposits of the Lower Devonian Crudine Group, Hill End Trough, New South Wales. *Australian Journal of Earth Sciences*; 46(5):749-764.

Jahnke LL, **Summons** RE, Hope JM & Des Marais DJ. 1999. Carbon isotopic fractionation in lipids from methanotrophic bacteria II: The effects of physiology and environmental parameters on the biosynthesis and isotopic signatures of biomarkers. *Geochimica et Cosmochimica Acta*; 63(1):79-93.

Kaldi JG, O'Brien GW & Kivior T. 1999. Seal capacity and hydrocarbon accumulation history in dynamic petroleum systems: The east Java Basin, Indonesia and the Timor Sea region, Australia. *APPEA Journal*; 39(1):73-86.

Kamenetsky VS, Wolfe RC, Eggins SM, **Mernagh** TP & Bastrakov E. 1999. Volatile exsolution at the Dinkidi Cu-Au porphyry deposit, Philippines: A melt-inclusion record of the initial ore-forming process. *Geology*; 27(8):691-694.

Kennard JM, Allen GP & Kirk RB. 1999. Sequence stratigraphy: A

review of fundamental concepts and their application to petroleum exploration and development in Australia. *AGSO Journal of Australian Geology & Geophysics*; 17(5/6):77-104.

Kennard JM, Deighton I, Edwards DS, Colwell JB, O'Brien GW & Boreham CJ. 1999. Thermal history modelling and transient heat pulses: New insights into hydrocarbon expulsion and 'hot flushes' in the Vulcan Sub-Basin, Timor Sea. *APPEA Journal*; 39(1):177-207.

Khin Z, **Huston** DL & Large RR. 1999. A chemical model for the Devonian remobilization process in the Cambrian volcanic-hosted massive sulfide Rosebery deposit, western Tasmania. *Economic Geology*; 94(4):529-545.

Klootwijk C. 1999. [book review]. *Fundamentals of geophysics*. Tectonophysics; 305(4):539-540.

Lambert I. 1999. Sustaining economic benefits from mineral resources: Government investment in geoscience. *Australasian Institute of Mining and Metallurgy Bulletin*; 3:82-87.

Lambert IB & McKay WJ. 1999. Sustainable mining issues engage international workshop delegates. *AusGeo News*, Dec; 55:13.

Lambert IB. 2000. Mineral resources and advice activities: AGSO's role extended. *AusGeo News*, Apr; 57:15-17.

Laurie JR. 1999. Revision of the type species of Pholidagnostus Whitehouse, 1936 (Middle Cambrian, Agnostida). *Alcheringa*; 23(3-4):229-234.

Lawrie K. 1999. The Gilmore project, Lachlan Fold Belt, western New South Wales. *AusGeo News*, Feb; 50:14-15.

Lawrie KC, Chan RA, Gibson DL & de Souza Kovacs N. 1999. Alluvial gold potential in buried palaeochannels in the Wyalong district, Lachlan Fold Belt, New South Wales. *AGSO Research Newsletter*, May; 30:1-5.

Lawrie KC & Hinman MC. 1999. Cobalt-style polymetallic Au-Cu-Ag-Pb-Zn deposits. *AGSO Journal Geology & Geophysics*; 17(4):169-187.

Lawrie KC, Mernagh TP, Boreham CJ & Logan GA. 1999. Evidence for

possible zinc transport in hydrocarbon-bearing (C1–C9) fluids in the formation of Cobar-style deposits? AGSO Research Newsletter, Nov; 31:17–20.

Leonard M & Kennett BL. 1999. Multi-component autoregressive techniques for the analysis of seismograms. In: Recent advances in earthquake monitoring and seismic network operations. Physics of the Earth & Planetary Interiors; 113(1–4):247–263.

Leslie C, Jones L, Papp E, Wake-Dyster K, Deen TJ & Gohl K. 2000. High-resolution seismic imagery of palaeochannels near West Wyalong, New South Wales. Exploration Geophysics; 31(1–2):383–388.

Lewis A. 2000. Australian geomagnetic reference field 2000 revision. Preview, Apr; 85:25.

Lewis A & Barton C. 1999. Indonesian geomagnetic observatory modernised. AusGeo News, Jun; 52(international 10):11–2.

Lewis A & Barton C. 1999. Revision of the international geomagnetic reference field for 2000. Preview, Dec; 83:25.

Lilley FE, Hitchman AP & **Wang LJ**. 1999. Time-varying effects in magnetic mapping: Amphidromes, doldrums and induction hazard. Geophysics; 64(6):1720–1729.

Lisk M, Brincat MP, **O'Brien GW**, Eadington PJ & Faiz M. 1999. Palaeo-hydrology of the Vulcan Sub-Basin: Implications for trap integrity. APPEA Journal; 39(1):208–226.

Liu LG, Lin CC & **Mernagh TP**. 1999. Raman spectra of norbergite at various pressures and temperatures. European Journal of Mineralogy; 11(6):1011–1021.

Logan GA, Calver CR, Gorjan P, Summons RE, Hayes JM & Walter MR. 1999. Terminal Proterozoic mid-shelf benthic microbial mats in the Centralian Superbasin and their environmental significance. *Geochimica et Cosmochimica Acta*; 63(9):1345–1358.

Logan G & Ruble T. 1999. A petroleum system in the western Eyre Sub-basin demonstrated by AGSO and CSIRO collaborators: A new report relevant to assessing 1999 offshore exploration release areas in the Great Australian Bight. AusGeo News, Dec; 55:20.

Long JM, Finalyson TR & **Mernagh TP**. 1999. Materials analysis of yttrium-barium-copper-oxide by micro-Raman spectroscopy and optical microscopy. IEEE Transactions on Applied Superconductivity; 9(2,2):1816–1819.

Longmore AR, **Heggie DT**, Flint R, Cowdell R & Skyring GW. 1999. Impact of runoff on nutrient patterns in northern Port Phillip Bay, Victoria. AGSO Journal of Australian Geology & Geophysics; 17(5/6):203–210.

Lynch FL, Milliken KL, **de Caritat P**, et al. 1999. Tertiary volcanic rocks and the potassium content of Gulf Coast shales—the smoking gun: Discussion and reply. Geology; 27(7):663–665.

Mackey T. 1999. Geophysics exposes the solid geology of the Boulia and Springvale 1:250 000 sheet areas (Qld): The Palaeoproterozoic succession under cover interpreted and 'exposed' for the first time south of the Mount Isa Inlier. AusGeo News, Dec; 55:26–28.

Mackey T, Lawrie K, Wilkes P, et al. 2000. Palaeochannels near West Wyalong, New South Wales: A case study in delineation and modelling using aeromagnetics. Exploration Geophysics; 31(1–2):1–7.

Maidment DW, Gibson GM & Giddings JW. 2000. Regional structure and distribution of magnetite: Implications for the interpretation of aeromagnetic data in the Broken Hill region, New South Wales. Exploration Geophysics; 31(1–2):8–16.

Maidment DW, Gibson GM & Giddings JW. 1999. Taking geology beneath cover at Broken Hill: Implications of structurally controlled magnetic anomalies for interpretation and mineral exploration. AGSO Research Newsletter, May; 30:5–7.

McCorkle DC, Veeh HH & **Heggie DT**. 1999. Glacial-interglacial paleoceanography from Australian margin sediments. AGSO Journal of Australian Geology & Geophysics; 17(5/6):145–157.

McIlroy D & **Logan GA**. 1999. The impact of bioturbation on infaunal ecology and evolution during the Proterozoic-Cambrian transition. *Palaios*; 14(1):58–72.

McKay AD & Porritt K. 1999. A geographic information system for Nauru. AusGeo News, Dec; 55(international 11):11–3.

McLaren S, Neumann N, Sandiford M & **Wyborn L**. 1999. Post-intrusion heating associated with high-heat-producing Proterozoic granites—implications for mineralisation? AGSO Research Newsletter, May; 30:23–26.

Meixner A & Yeates A. 1999. Integrated Cooper Basin geophysical study facilitates petroleum search in South Australia. AusGeo News, Aug; 53:20–21.

Meixner TJ, Gunn PJ, Boucher RK, Yeates TN, Richardson LM & Frears RA. 2000. The nature of the basement to the Cooper Basin region, South Australia. Exploration Geophysics; 31(1–2):24–32.

Mernagh TP, Liu LG & Lin CC. 1999. Raman spectra of chondrodite at various temperatures. Journal of Raman Spectroscopy; 30(10):963–969.

Merrill RT & **McFadden PL**. 1999. Geomagnetic polarity transitions. Reviews of Geophysics; 37:201–226.

Minty B. 2000. Automatic merging of gridded airborne gamma-ray spectrometric surveys. Exploration Geophysics; 31(1–2):47–51.

Minty BR, Mackey T & Grasty RL. 1999. A calibration range in south-eastern Australia for airborne gamma-ray spectrometers. Exploration Geophysics; 30(1–2):27–32.

Munday TJ, **Reilly NS**, Glover M, et al. 2000. Petrophysical characterisation of pama using ground and downhole geophysics at Marinna, central New South Wales. Exploration Geophysics; 31(1–2):260–266.

Nees S, Armand L, de Deckker P, Labracherie M & **Passlow V**. 1999. A diatom and benthic foraminiferal record from the South Tasman Rise (southeastern Indian Ocean): Implications for paleoceanographic changes for the last 200 000 years. *Marine Micropaleontology*; 38(1):69–89.

Norgate CM, Boreham CJ & Wilkins AJ. 1999. Changes in hydrocarbon maturity indices with coal rank and type, Buller Coalfield, New Zealand. *Organic Geochemistry*; 30(8B):985–1010.

O'Brien GW. 1999. Hydrocarbon migration and seepage studies in the Great Australian Bight and North West Shelf. AusGeo News, Jun; 52:4–5.

- O'Brien** GW, Lawrence G, Williams A, Webster M, Wilson D & Burns S. 2000. Using integrated remote sensing technologies to evaluate and characterise hydrocarbon migration and charge characteristics on the Yampi Shelf, north-western Australia: A methodological study. *APPEA Journal*; 40(1):121–150, 230–256.
- O'Brien** GW, Lisk M, Duddy IR, Hamilton J, Woods P & Cowley R. 1999. Plate convergence, foreland development and fault reactivation: Primary controls on brine migration, thermal histories and trap breach in the Timor Sea, Australia. *Marine & Petroleum Geology*; 16(6):533–560.
- O'Brien** GW, Morse M, Wilson D, et al. 1999. Margin-scale, basement-involved compartmentalisation of Australia's North West Shelf: A primary control on basin-scale rift, depositional and reactivation histories. *APPEA Journal*; 39(1):40–63.
- O'Brien** PE, De Santis L, Harris PT, Domack E & Quilty PG. 1999. Ice shelf grounding zone features of western Prydz Bay, Antarctica: Sedimentary processes from seismic and sidescan images. *Antarctic Science*; 11(1):78–91.
- O'Sullivan PB, **Gibson** DL, Kohn BP, Pillans B & Pain CF. 2000. Long-term landscape evolution of the Northparkes region of the Lachlan Fold Belt, Australia: Constraints from fission track and paleomagnetic data. *Journal of Geology*; 108(1):1–16.
- Palliani RB & **Riding** JB. 1999. Relationships between the early Toarcian anoxic event and organic-walled phytoplankton in central Italy. *Marine Micropaleontology*; 37(2):101–116.
- Palmer D, **Goley** B & Drummond B. 2000. The effects of spatial sampling on refraction statics. *Exploration Geophysics*; 31(1–2):270–274.
- Perkins C, Heinrich CA & **Wyborn** LA. 1999. $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology of copper mineralization and regional alteration, Mount Isa, Australia. *Economic Geology*; 94(1):23–36.
- Petkovic** P, Collins CD & Finlayson DM. 2000. Crustal structure across the Vulcan Sub-basin from seismic refraction and gravity data. *Exploration Geophysics*; 31(1–2):287–294.
- Popkov I, White A, Heinson GS, Constable S, **Milligan** P & Lilley FE. 2000. Electromagnetic investigation of the Eyre Peninsula conductivity anomaly. *Exploration Geophysics*; 31(1–2):187–191.
- Preston JC & **Edwards** DS. 2000. The petroleum geochemistry of oils and source rocks from the northern Bonaparte Basin, offshore northern Australia. *APPEA Journal*; 40(1):257–281.
- Quilty PG, Truswell EM, **O'Brien** PE & Taylor F. 1999. Paleocene-Eocene biostratigraphy and palaeoenvironment of East Antarctica: New data from the MacRobertson Shelf and western parts of Prydz Bay. *AGSO Journal of Australian Geology & Geophysics*; 17(5/6):133–143.
- Radlinski** AP. 1999. Small-angle neutron scattering: A new technique to detect generated source rocks. *AGSO Research Newsletter*, Nov; 31:29–30.
- Radlinski** AP, Boreham CJ, Lindner P, Randl OG, Hinde A & Hope JM. 2000. Small angle neutron scattering signature of oil generation in artificially and naturally matured hydrocarbon source rocks. *Organic Geochemistry*; 31(1):1–14.
- Radlinski** AP, Radlinska EZ, Agamalian M, Wignall GD, Lindner P & Randl OG. 1999. Fractal geometry of rocks. *Physical Review Letters*; 82(15):3078–3081.
- Ratajkoski** M, Blewett RS & Wellman P. 1999. Teaching GIS to geologists. *GIS User*; 32:27.
- Regnier M, **Van de Beuque** S, Baldassari C & Tribot LG. 1999. La Sismicité du sud de la Nouvelle-Calédonie: Implications structurales. *Comptes Rendus de l'Académie des Sciences (Paris): Sciences de la terre et des planètes*; 329(2):143–148.
- Reimann C, Banks D, Bogatyrev I, **de Caritat** P, Kashulina G & Niskavaara H. 1999. Lake water geochemistry on the western Kola Peninsula, North-West Russia. *Applied Geochemistry*; 14(6):787–805.
- Roser BP & **Korsch** RJ. 1999. Geochemical characterization, evolution and source of a Mesozoic accretionary wedge: The Torlesse Terrane, New Zealand. *Geological Magazine*; 136(5):493–512.
- Ryburn** R. 1999. Putting geological maps into the corporate database. *GIS User*; 33:24–25.
- Ryburn** R. 1999. The evolution of geoscientific metadata. *AGSO Research Newsletter*, Nov; 31:12–13.
- Shaw** RD, Korsch RJ, Boreham CJ, Totterdell JM, Leibach C & Nicoll MG. 1999. Evaluation of the undiscovered hydrocarbon resources of the Bowen and Surat Basins, southern Queensland. *AGSO Journal of Australian Geology & Geophysics*; 17(5/6):43–65.
- Sinadinovski** C, Muirhead K, Leonard M, Spiliopoulos S & Jepsen D. 1999. Effective discrimination of icequakes on seismic records from Mawson Station. In: Recent advances in earthquake monitoring and seismic network operations. *Physics of the Earth & Planetary Interiors*; 113(1–4):203–211.
- Skirrow** R & Ashley P. 1999. Cu–Au mineral systems and regional alteration, Curnamona Province. *Minfo: New South Wales Mining & Exploration Quarterly*; 62:22–24.
- Skirrow** R, Maas R & Ashley P. 1999. New age constraints for Cu–Au–(Mo) mineralisation and regional alteration in the Olary-Broken Hill region. *AGSO Research Newsletter*, Nov; 31:22–25.
- Smithies RH & **Champion** DC. 1999. High-Mg diorite from the Archaean Pilbara craton: Characteristics, petrogenesis and possible links to gold mineralisation. *Geological Survey of Western Australia Annual Review 1998–99*; 45–49.
- Smithies RH & **Champion** DC. 1999. Late Archaean felsic alkaline igneous rocks in the Eastern Goldfields, Yilgarn Craton, Western Australia: A result of lower crustal delamination? *Geological Society of London Journal*; 156(3):561–576.
- Sproule RA, Lambert DD & **Hoatson** DM. 1999. Re–Os isotopic constraints on the genesis of the Sally Malay Ni–Cu–Co deposit, east Kimberley, Western Australia. *Lithos*; 47(1–2):89–106.
- Spry MJ, **Gibson** DL & Eggleton RA. 1999. Tertiary evolution of the coastal lowlands and the Clyde River palaeovalley in southeast New South Wales. *Australian Journal of Earth Sciences*; 46(2):173–180.
- Stagg** HM, Borissova I, Alcock M & Moore AM. 1999. Tectonic provinces of the Lord Howe Rise: Law of the Sea study has implications for frontier hydrocarbons. *AGSO Research Newsletter*, Nov; 31:31–32.

- Stagg** HM, Willcox JB, Symonds PA, et al. 1999. Architecture and evolution of the Australian continental margin. *AGSO Journal of Australian Geology & Geophysics*; 17(5/6):17–33.
- Summons** RE. 1999. Microbial ecology—molecular probing of deep secrets. *Nature*; 398(6730):752–753.
- Summons** RE, Jahnke LL, Hope JM & Logan GA. 1999. 2-Methylhopanoids as biomarkers for cyanobacterial oxygenic photosynthesis. *Nature*; 400(6744):P554–557.
- Sun** S-s & Hickman AH. 1999. Geochemical characteristics of ca 3.0 Ga Cleaverville greenstones and later mafic dykes, West Pilbara: Implication for Archaean crustal accretion. *AGSO Research Newsletter*, Nov; 31:25–29.
- Sweet** IP, Brakel AT & Carson L. 1999. The Kombolgie Subgroup: A new look at an old formation. *AGSO Research Newsletter*, May; 30:26–28.
- Tappin DR, Matsumoto T, Hill P, et al. 1999. Sediment slump likely caused 1998 Papua New Guinea tsunami. *Eos—Transactions of the American Geophysical Union*; 80(30):329, 334, 340.
- Truswell EM, Dettmann ME & **O'Brien** PE. 1999. Mesozoic palynofloras from the MacRobertson shelf, East Antarctica: Geological and phytogeographic implications. *Antarctic Science*; 11(2):239–255.
- Veeh HH, **Heggie** DT & Crispe AJ. 1999. Biogeochemistry of southern Australian continental slope sediments. *Australian Journal of Earth Sciences*; 46(4):563–575.
- Veeh HH, McCorkle DC & **Heggie** DT. 2000. Glacial/interglacial variations of sedimentation on the West Australian continental margin: Constraints from excess 230 Th. *Marine Geology*; 166(1–4):11–30.
- Wang** LJ & Lilley FE. 1999. Inversion of magnetometer array data by thin-sheet modelling. *Geophysical Journal International*; 137:128–138.
- Wellman** P. 1999. Gamma-ray spectrometric data: Modelling to map primary lithology. *Exploration Geophysics*; 30:167–172.
- Wellman** P. 1999. Granitoid complexes and greenstone belts in the Pilbara craton interpreted to extend down to the mid-crustal boundary at 14 kilometres. *AGSO Research Newsletter*, May; 30:15–17.
- Whitaker** A. 1999. New Eastern Goldfields maps trace the distribution of nickeliferous and auriferous greenstone belts. *AusGeo News*, Aug; 53:19.
- Wilford** J. 1999. Regolith mapping evolves from two to three dimensions in virtual reality. *AusGeo News*, Feb; 50:20–21.
- Wilford** J. 1999. Scientific visualisation and 3D modelling applications for mineral exploration and environmental management. *AGSO Research Newsletter*, Nov; 31:14–17.
- Willcox** B. 1999. The Lord Howe Rise petroleum frontiers project. *AusGeo News*, Aug; 53:10, 21.
- Williamson** PE, Forman DJ, Le Poidevin S, Summons RE & Stephenson TE. 1999. Where is Australia's petroleum and how long will it last? *AGSO Journal of Australian Geology & Geophysics*; 17(5/6):35–42.
- Wilkes H, **Boreham** CJ, Harms G, Zengler K & Rabus R. 2000. Anaerobic degradation and carbon isotopic fractionation of alkylbenzenes in crude oil by sulphate-reducing bacteria. *Organic Geochemistry*; 31(1):101–115.
- Zaw K, **Huston** DL & Large RR. 1999. A chemical model for the Devonian remobilization process in the Cambrian volcanic-hosted massive sulfide Rosebery Deposit, western Tasmania. *Economic Geology*; 94(4):529–546.
- ## Books & chapters
- McElhinny MW & **McFadden** PL. 1999. *Paleomagnetism: Continents and oceans*. San Diego (Ca): Academic Press.
- Radlinski** AP & Radlinska EZ. 1999. The microstructure of pore space in coals of different rank: A small angle scattering and SEM study. In: Mastalerz M, Glikson M & Golding SD, eds. *Coalbed methane: Scientific, environmental and economic evaluation*. Dordrecht: Kluwer Academic Publishers.
- ## Records & reports
- Alexander EM, Morton JG, **Boreham** C, et al. 1999. Cooper Basin exploration opportunity—second round: Blocks CO99–A to H, South Australian Department of Primary Industries and Resources, report book 99/00004.
- Australian Geological Survey Organisation**. 2000. *Uranium resources, production and demand 1999*. Paris: OECD Nuclear Energy Agency & International Atomic Energy Agency. [Australia's contribution].
- Bacchin** M. 2000. Gippsland Basin (Vic) airborne geophysical survey: 1998/1999 operations report. Canberra: AGSO, record 2000/08.
- Black** L, Korsch RJ, Drummond BJ, McClenaghan MP, Varne R & Fioretti AM. 2000. What is the nature of the Tasmanian crust? In: 1999 annual report School of Earth Sciences. Canberra: Australian National University; 172–173.
- Blewett** R & Hazell MS. 1999. The AGSO field geological notebooks: A users guide. Canberra: AGSO, record 1999/16.
- Bradshaw** M, Cadman S, Barrett, et al. 2000. [CD-ROM kit]. Release of offshore petroleum exploration areas: Australian 2000, May. Canberra: Dept Industry, Science & Resources.
- Brodie** RC. 1999. Boulia and Springvale (Qld) airborne geophysical survey: 1997 operations report. Canberra: AGSO, record 1999/22.
- Brodie** RC. 1999. Joseph Bonaparte Gulf (WA/NT), Medusa Banks and Port Keats airborne geophysical survey: 1994 operations report. Canberra: AGSO, record 1999/09.
- Brodie** RC. 1999. Menindee, Thackaringa and Redan (NSW) 1:100 000 sheet areas airborne geophysical survey: 1995 operations report. Canberra: AGSO, record 1999/11.
- Brodie** RC. 1999. North Broken Hill, Corona and Fowlers Gap (NSW) 1:100 000 sheet areas airborne geophysical survey: 1995/1996 operations report. Canberra: AGSO, record 1999/23.
- Brodie** RC. 1999. Rason (WA) airborne geophysical survey: 1998 operations report. Canberra: AGSO, record 1999/31.
- Brodie** RC. 1999. Throssell (WA) airborne geophysical survey: 1998 operations report. Canberra: AGSO, record 1999/32.

Craig MA, Anand RR, Churchward HM, Gozzard JR, Smith RE & Smith K. 1999. Regolith-landform mapping in the Yilgarn Craton, Western Australia: Towards a standardised approach. Canberra: CRC LEME, open file report 72.

Dennis SD. 1999. Macquarie Island geomagnetic observatory operational report, 1998. Canberra: AGSO, geomagnetism notes 1998-03.

Dennis SD. 1999. Visit to Noumea observatory, New Caledonia, 1998. Canberra: AGSO, geomagnetism notes 1998-05.

Edgecombe SM, Hazell M, Page RW, Black LP, Sun S-S & Ryburn RJ. 1999. OZCHRON '99 documentation. Canberra: AGSO, record 1999/02.

Franklin R. 2000. Julia Creek (Qld) airborne geophysical survey: 1999 operations report. Canberra: AGSO, record 2000/09.

Gibson DL. 1999. Explanatory notes for the Broken Hill and Curnamona Province 1:500 000 regolith landform maps. Canberra: CRC LEME, open file report 77.

Gibson DL. 1999. Explanatory notes for the 1:500 000 Cobar regolith landform map. Canberra: CRC LEME, open file report 76.

Hill PJ, Rollet N, Rowland D, Calver CR & Bathgate J. 2000. Swath-mapping and geophysical survey of Australia's southeast marine zone, AUSTREA-1 research cruise using L'Atalante. Canberra: AGSO, record. 2000/04.

Hitchman AP, Lilley FE, Campbell WH, Chamalaun FH & **Barton** CE. 1999. The magnetic daily variation in Australia: Dependence of the total-field signal on latitude. In: 1998 annual report School of Earth Sciences. Canberra: Australian National University; 37-38.

Hopgood PA. 1999. Australian geomagnetism report 1995. Canberra: AGSO; 43:77.

Huleatt MB & Sait RG. 1999. Australia's gold resources 1988 to 1998: A review. Canberra: AGSO, record 1999/44.

Joint Commonwealth & Victorian Regional Forest Agreement Steering Committee. 1999. Comprehensive regional assessment: Gippsland—minerals. Canberra: C'wealth (AGSO, ABARE) & Victorian RFA Steering Committee; chpt 10.

Joint Commonwealth & Victorian Regional Forest Agreement Steering Committee. Comprehensive regional assessment: West Victoria—minerals assessment. Canberra: C'wealth (AGSO, ABARE) & Victorian RFA Steering Committee.

Kennard JM & Deighton I. 2000. [CD-ROM]. Vulcan Sub-basin geohistory modelling. Canberra: AGSO, record 1999/40.

Lavering I. 1999. Petroleum acreage evaluation and management. Glenside (SA): Australian Mineral Foundation.

Lewis AM. 1999. Geomagnetic repeat station survey 1996-1998. Canberra: AGSO, record 1999/34.

Lewis A & Sibson B. 1999. Scientific exchange: Geomagnetic observatories and surveys, stage 3—report to AusAID on government sector linkages program. Canberra: AGSO, geomagnetic notes 1999-11.

Lewis G. 1999. GeoSciEd III abstracts. Canberra: AGSO, record. 1999/49.

McKay AD & Lambert IB. 1999. Uranium mining in Australia today. In: Environmental activities in uranium mining and milling. Paris: OECD Nuclear Energy Agency & International Atomic Energy Agency. [Australia's contribution].

Meixner A, Boucher RK, Yeates AN, Frears RA, Gunn PJ & Richardson LM. 1999. Interpretation of geophysical and geological datasets, Cooper Basin region, South Australia. Canberra: AGSO record 1999/22.

Miezitis Y, Jaireth S & David L. 1999. Assessment of identified (known) and potential (undiscovered) mineral resources of the southern Carpentaria Gulf area. In: Multiple use strategic plan for the southern Gulf of Carpentaria—volume 1. Cairns: Environment North & Associated Consultants; appendix B.

Petkovic P, Brett J, Morse MP, Hatch L, Webster MA & Roche P. 1999. Gravity, magnetic and bathymetry grids from levelled data for SW Australia—Great Australian Bight. Canberra: AGSO, record 1999/48.

Petkovic P, Brett J, Morse MP, Hatch L, Webster MA & Roche P. 1999. Gravity, magnetic and bathymetry grids from levelled data for SW Australia—SW region. Canberra: AGSO, record 1999/47.

Petkovic P, Morse MP, Brett J, et al. 1999. Gravity, magnetic and bathymetry grids from levelled data for North-west Australia. Canberra: AGSO, record 1999/41.

Petrie E. 1999. Australian petroleum exploration and development activity, 1 July to 30 November. Canberra: AGSO.

Rattenbury MS. 1999. Geology of the Ballard 1:100 000 sheet area (3039), Western Australia. Canberra: AGSO, record 1999/46.

Raymond OL, Ewers GR, Bastrakov E, Ryburn RJ, Hazell M & Kilgour B. 1999. OZMIN documentation: Mt Isa dataset. Canberra: AGSO, record 1999/05.

Richardson LM. 2000. Index of airborne geophysical surveys. Edn 4. Canberra: AGSO, record 2000/07.

Struckmeyer HI, O'Brien GW, Hatch L, et al. 2000. [GIS CD-ROM & reports]. Great Australian Bight: Remote sensing of hydrocarbon seepage. Canberra: AGSO & Nigel Press Associates.

Wang LJ & Lilley FE. 1999. Determining the large-scale electrical conductivity structure of Australia. In: 1998 annual report School of Earth Sciences. Canberra: Australian National University; 36-37.

Whitaker AJ, Blake DH & Stewart AJ. 2000. Geology and geophysics of the Ballimore and Sandalwood 1:100 000 sheet areas (3145 & 3144), Yilgarn region, Western Australia. Canberra: AGSO, record 2000/02.

Williamson PE & Wright DJ. 1999. Petroleum research and development priorities workshop. Canberra: AGSO, record 1999/29.