

Papers on interpretation of profiles

- 1979
Tucker, D. H., Wyatt, B. W., Druce, E.C., Mathur, S. P. & Harrison, P. L. 1979. The upper crustal geology of the Georgina Basin region. *BMR J. Aust. Geol. Geophys.* **4**(3), 209-221.
- 1980
Pinchin, J., 1980. Intracrustal seismic reflections from the Lachlan Fold Belt near Canberra, *BMR J. Aust. Geol. Geophys.* **5**, 305-309.
- 1981
Bauer J.A. & Dixon, O. 1981. Results of a seismic survey in the Southern Denison Trough, Queensland. *BMR J. Aust. Geol. Geophys.* **6**, 213-222.
- 1983
Collins, C.D.N., 1983. Crustal structure of the southern McArthur Basin, Northern Australia, from deep seismic sounding, *BMR J. Aust. Geol. Geophys.* **8**, 19-34.
Finlayson, D.M., 1983. The mid-crustal horizon under the Eromanga Basin, eastern Australia. *Tectonophysics* **100**, 199-214.
Mathur, S. P., 1983a. Preliminary deep crustal reflection results from the central Eromanga Basin, Australia, *Tectonophysics* **100**, 163-173.
Mathur, S. P., 1983b. Deep reflection experiments in northeastern Australia, 1976-1978, *Geophysics*, **48**, 1588-1597.
Mathur, S. P., 1983c. Deep reflection probes in Eastern Australia reveal differences in the nature of the crust, *First Break*, July 1983, 9-16.
Moss, F.J. & Wake-Dyster, K.D., 1983. The Australian Central Eromanga Basin Project: an introduction. *Tectonophysics* **100**, 131-145.
- 1984
Finlayson, D.M., Collins, C.D.N. & Lock, J., 1984. P-wave velocity features of the lithosphere under the Eromanga Basin, eastern Australia, including a prominent mid-crustal (Conrad?) discontinuity. *Tectonophysics* **101**, 267-291.
Finlayson, D.M. & Mathur, S. P., 1984. Seismic refraction and reflection features of the lithosphere in northern and eastern Australia & continental growth. *Annales Geophysicae* **2**, 711-722.
Mathur, S. P., 1984. Improvements in seismic reflection techniques for studying the lithosphere in Australia, *Tectonophysics* **105**, 373-381.
Wake-Dyster, K.D., Moss, F.J. & Sexton, M.J., 1983. New seismic reflection results in the central Eromanga Basin, Queensland, Australia: the key to understanding its tectonic evolution. *Tectonophysics* **100**, 147-162.
- 1985
Etheridge, M.A., Drummond, B.J. & Tucker, D.H., 1985. Evolution and internal structure of intracratonic sedimentary basins as seen by geophysics. *Explor. Geophys.* **16**, 216-220.
Etheridge, M.A., Branson, J.C. & Stuart-Smith, P. G., 1985. Extensional basin-forming structures in Bass Basin and their importance for hydrocarbon exploration. *Aust. Petrol. Explor. Assoc. J.* **25**, 344-361.
Wake-Dyster, K.D., Sexton, M.J. & Johnstone, D.W., 1985. Lithospheric transect study of southeastern Queensland. *Explor. Geophys.* **16**, 312-316.
- 1986
Finlayson, D.M. & Collins, C.D.N., 1986. Lithospheric velocity beneath the Adavale Basin, Queensland, and the character of deep crustal reflections. *BMR J. Aust. Geol. Geophys.* **10**, 23-37.
Korsch, R.J., Lindsay, J.F., O'Brien, P.B., Sexton, M.F. & Wake-Dyster, K., 1986. Deep crustal seismic reflection profiling, New England Orogen, eastern Australia: Telescoping of the crust and a hidden deep layered sedimentary sequence. *Geology* **14**, 982-985.
Moss, F.J. & Mathur, S.P., 1986. A review of continental reflection profiling in Australia. In: *Reflection Seismology: A Global Perspective*, Amer. Geophys. Union, Geodynamics Series, **13**, 67-76.
Ramsay, D.C., Colwell, J.B., Coffin, M.F., Davies, H.L., Hill, P.J., Pigram, C.J. & Stagg, H.M.J., 1986. New findings from the Kerguelen Plateau. *Geology* **14**, 589-593.
- 1987
Finlayson, D.M. & Collins, C.D.N., 1987. Crustal differences between the Nebine Ridge and the central Eromanga Basin from seismic data. *Aust. J. Earth Sci.* **34**, 251-259.
Finlayson, D.M., 1987. Seismic features of Proterozoic crust in northern Australia and their evolution. In: *Proterozoic Lithospheric Evolution* (Editor, A. Kröner), Amer. Geophys. Union Geodynamics Series **17**, 99-113.
Finlayson, D.M. & Leven, J.H., 1987a. Lithospheric structures and possible processes in Phanerozoic eastern Australia from deep seismic investigations. *Tectonophysics* **133**, 199-215.
Finlayson, D.M. & Leven, J.H., 1987b. 3-dimensional image of the lower crust under an intracontinental basin in eastern Australia. *Explor. Geophys.* **18**, 49-52.
Goleby B.R., Wright C. & Kennett B.L.N. 1987. Preliminary deep reflection studies in the Arunta Block, central Australia. *Geophys. J. R. Astr. Soc.* **89**, 437-442.
Korsch, R.J., Lindsay, J.F., O'Brien, P.B., Sexton, M.F. & Wake-Dyster, K., 1987. Deep crustal seismic reflection profiling, New England Orogen, eastern Australia: Telescoping of the crust and a hidden deep layered sedimentary sequence: Reply. *Geology*, **15**, 1181-1182.
Leven, J.H. & Finlayson, D.M., 1987. Lower crustal involvement in upper crustal thrusting. *Geophys. J. R. Astr. Soc.* **89**, 415-421.
Wright, C., Goleby, B.R., Collins, C.D.N., Kennett, B.L.N., Sugiharto, S. & Greenhalgh, S., 1987a. Some preliminary results from regional seismic profiling in central Australia. *Explor. Geophys.* **18**, 227-231.
Wright, C., Goleby, B.R., Collins, C.D.N., Kennett, B.L.N., Sugiharto, S. & Greenhalgh, S., 1987b. The central Australian seismic experiment, 1985: preliminary results. *Geophys. J. R. Astr. Soc.* **89**, 431-436.
Wake-Dyster, K.D., Sexton, M.J., Johnstone, D.W., Wright, C. & Finlayson, D.M., 1987. A deep seismic profile of 800 km length recorded in southern Queensland, Australia. *Geophys. J. R. Astr. Soc.* **89**, 423-430.
- 1988
Dooley, J.C. & Moss, F.J., 1988. Deep crustal reflections in Australia 1957-1973-II. Crustal models, *Geophys. J. R. Astr. Soc.* **93**, 239-249.
Drummond, B.J., Etheridge, M.A., Davies, P.J. & Middleton, M.F., 1988. Half-graben model for the structural evolution of the Fitzroy Trough, Canning Basin, and implications for resource exploration. *Aust. Petrol. Explor. Assoc. J.* **28**, 76-86.

- Finlayson, D.M., Leven, J.H. & Etheridge, M.A., 1988. Structural styles and basin evolution in the Eromanga region, eastern Australia. *Amer. Assoc. Petrol. Geol. Bull.* **72**, 33-48.
- Goleby B.R., Kennett B.L.N. & Wright C. (1988), Alternative stacking techniques for deep crustal data, *Exploration Geophys.*, **19**, 78-82.
- Goleby B.R., Wright C., Collins C.D.N. & Kennett B.L.N. 1988. Seismic reflection and refraction profiling across the Arunta Block and the Ngalia and Amadeus Basins. *Aust. J. Earth Sci.* **35**, 275-294.
- Korsch, R.J., Goleby, B.R., Leven, J.H. & Drummond, B.J., 1988b. Crustal architecture of central Australia based on deep seismic reflection profiling. *Tectonophysics* **288**, 57-69.
- Moss, F.J. & Dooley, J.C., 1988. Deep crustal reflection recordings in Australia 1957-1973 – 1. Data acquisition and presentation. *Geophys. J. R. Astr. Soc.* **93**, 229-237.
- Rutland, R.W.R., Goleby, B.R., Shaw, R.D. & Wright, C., 1988. Tectonic significance of Proterozoic thrusting in Australia: evidence from deep seismic reflection profiling. *Geologiska Foreningens* **110**, 410-416.
- Wright, C., Barton, T. & Goleby, B.R., 1988. Lateral variation in seismic velocities in the central Australian region, from both conventional and experimental seismic reflection profiling. *Explor. Geophys.* **19**, 214-219.
- 1989
- Finlayson, D.M., Leven, J.H. & Wake-Dyster, K.D., 1989a. Large-scale lenticles in the lower crust under an intra-continental basin in eastern Australia. In: *Properties and Processes of Earth's Lower Crust* (Editors, R. F. Mereu, St. Mueller & D.M. Fountain), Amer. Geophys. Union Geophysical Monograph **51**, 3-16.
- Finlayson, D.M., Wright, C., Leven, J.H., Collins, C.D.N., Wake-Dyster, K.D. & Johnstone, D.W., 1989b. Basement features under four intra-continental basins in central and eastern Australia. In: *Origin and Evolution of Sedimentary Basins and their Energy and Mineral Resources* (Editor, R. A. Price), Amer. Geophys. Union Geophysical Monograph **48**, 43-55.
- Goleby, B.R., Shaw, R. D., Wright, C., Kennett, B.L.N. & Lambeck, K., 1989. Geophysical evidence for thick-skinned crustal deformation in central Australia. *Nature* **337**, 325-330.
- Korsch, R.J. & Lindsay, J.F., 1989. Relationships between deformation and basin evolution in the intracratonic Amadeus Basin, Central Australia. *Tectonophysics*, 158, 5-22.
- Korsch, R.J., O'Brien, P.E., Sexton, M.J., Wake-Dyster, K.D. & Wells, A.T., 1989. Development of Mesozoic transtensional basins in easternmost Australia. *Aust. J. Earth Sci.*, **36**, 13-28.
- Wright, C., Korsch, R.J., Finlayson, D.M. & Goleby, B.R., 1989. Deep seismic reflection profiling and continental evolution. *EOS Trans. Amer. Geophys. Union* **70**, 639 & 642-644.
- 1990
- Cao S-H, Kennett B.L.N. & Goleby B.R. 1990. 3-D isochronal modelling of reflections from the deep crust: application to reflection profiling in central Australia, *Tectonophysics* **173**, 119-128.
- Finlayson, D.M., Wake-Dyster, K.D., Leven, J.H., Johnstone, D.W., Murray, C.G., Harrington, H. J., Korsch, R.J. & Wellman, P., 1990a. Seismic imaging of major tectonic features in the crust of Phanerozoic eastern Australia, *Tectonophysics* **173**, 211-230.
- Goleby B.R., Kennett B.L.N., Wright C., Shaw R.D. & Lambeck K. 1990. Seismic reflection profiling in the Proterozoic Arunta Block, central Australia: processing for testing models of tectonic evolution, *Tectonophys.*, **173**, 257-268.
- Korsch, R.J., O'Brien, P. E., Harrington, H. J., Wake-Dyster, K.D., Finlayson, D.M. & Johnstone, D.W., 1990d. Constraints from deep seismic profiling on models for the evolution of Permian-Mesozoic sedimentary basins in eastern Australia. In: *The potential of deep seismic profiling for hydrocarbon exploration* (Editors B. Pinet & C. Bois), Éditions Technip, Paris, 275-290.
- Korsch, R.J., Shaw, R. D., Wright, C., Goleby, B.R. & Collins, C.D.N., 1990. Constraints on the tectonic evolution of the Amadeus Basin (central Australia) from deep seismic profiling: implications for hydrocarbon exploration. In: *The potential of deep seismic profiling for hydrocarbon exploration* (Editors B. Pinet & C. Bois). Éditions Technip, Paris, 249-264.
- Leven, J.H., Finlayson, D.M. & Wake-Dyster, K.D., 1990. Mid-crustal detachments controlling basin deformation: ramp synforms in southwestern Queensland, *Tectonophysics* **173**, 231-246.
- Leven, J.H., Finlayson, D.M., Wright, C., Dooley, J. C. & Kennett, B.L.N. (editors), 1990. Seismic probing of the continents and their margins. *Tectonophysics*, **173**.
- Wright C., Goleby B.R., Collins C.D.N., Korsch R.J., Barton T., Greenhalgh S. A. & Sugiharto S. 1990. Deep seismic profiling in Central Australia. *Tectonophysics* **173**, 247-256.
- 1991
- Braun, J., McQueen H. & Etheridge M., 1991, A fresh look at the Late Palaeozoic tectonic history of western-central Australia, *Explor. Geophys.* **22**, 49-54.
- Drummond, B.J., Sexton, M.J., Barton, T.J. & Shaw, R. D., 1991. The nature of faulting along the margins of the Fitzroy Trough, Canning Basin & implications for the tectonic development of the trough. *Explor. Geophys.*, **22**, 111-116.
- Korsch, R.J., Wake-Dyster, K.D. & Johnstone, D.W., 1991. Crustal structure of the Permian-Mesozoic Eastern Australian basins complex, with emphasis on the BMR Bowen Basin deep seismic profiles. *Explor. Geophys.* **22**, 223-226.
- Shaw, R.D., Korsch, R.J., Goleby, B.R. & Wright, C., 1991. The BMR regional seismic line across the Amadeus Basin, central Australia: Implications for the tectonics of the basin and for hydrocarbon exploration. *Explor. Geophys.* **22**, 345-352.
- Shaw, R.D., Etheridge, M.A. & Lambeck, K., 1991. Development of the Late Proterozoic to mid-Palaeozoic, Intracratonic Amadeus Basin in central Australia: A key to understanding tectonic forces in plate interiors. *Tectonics*, **10**, 688-721.
- 1992
- Collins, C.D.N., Cull, J.P., Colwell, J.B. & Willcox, J.B. 1992. The deep velocity structure beneath the Gippsland Basin from long offset seismic data. *Explor. Geophys.* **23**, 69-74.
- Hill, P. J., 1992. Capricorn and northern Tasman Basins: structure and depositional systems. *Explor. Geophys.* **23**, 153-162.
- Korsch, R.J., 1992. Sedimentary basins of eastern Australia structural geometry and tectonics. *ASEG Preview* **39**, 11.
- Korsch, R.J., Wake-Dyster, K.D., O'Brien, P. E., Finlayson, D.M. & Johnstone, D.W., 1992a. Geometry of Permian to Mesozoic sedimentary basins in eastern Australia and their relationship to the New England Orogen. In: *Basement Tectonics* **9**, (Editors M.J. Rickard, H.J. Harrington & P.R. Williams), Kluwer Academic Publishers, Dordrecht, 85-108.
- Korsch, R.J., Wake-Dyster, K.D. & Johnstone, D.W., 1992b. Seismic imaging of extensional and contractional structures in the Bowen and Surat basins, eastern Australia. *Tectonophysics* **215**, 273-294.

- Leven, J.H., Stuart-Smith, P. G., Musgrave, R.J., Rickard, M.J. & Crook, K. A. W., 1992. A geophysical transect across the Tumut Synclinal Zone, NSW. *Tectonophysics* **214**, 239-248.
- Shaw, R.D., Goleby, B.R., Korsch, R.J. & Wright, C., 1992. Basement and cover thrust tectonics in central Australia based on the Arunta-Amadeus seismic reflection profile. In: *Basement Tectonics* **9**, (Editors M.J. Rickard, H.J. Harrington & P.R. Williams) Kluwer Academic Publishers, Dordrecht, 55-84.
- 1993
- Drummond, B.J., Goleby, B.R., Swager, C. P. & Williams, P.R., 1993. Constraints on Archaean crustal composition and structure provided by deep seismic sounding in the Yilgarn Block. *Ore Geology Reviews* **8**, 117-124.
- Drummond, B.J. & Goleby, B.R., 1993. Seismic reflection images of the major ore-controlling structures in the Eastern Goldfields province, Western Australia. *Explor. Geophys.*, **24**, 473-478.
- Finlayson, D.M., 1993a. Crustal architecture across the Phanerozoic Australia along the Eromanga-Brisbane Geoscience Transect: evolution and analogues. *Tectonophysics* **219**, 191-211.
- Finlayson, D.M. & Collins, C.D.N., 1993. Lithospheric velocity structures under the southern New England Orogen: evidence for underplating at the Tasman Sea margin. *Aust. J. Earth Sci.* **40**, 141-153.
- Finlayson, D.M., Owen, A., Johnstone, D. & Wake-Dyster, K.D., 1993b. Moho and petrologic crust mantle boundary coincide under southeastern Australia. *Geology* **21**, 707-710.
- Trench, A., House, M., Miller, D.R., Withers, J.A., Goleby, B.R. & Drummond, B.J., 1993. On the gravity signature of Archaean greenstones in the Widgiemooltha-Tramways area, Eastern Goldfields, Western Australia. *Explor. Geophys.* **24**, 811-818.
- Wright, C., Goleby, B.R., Shaw, R. D., Collins, C.D.N., Kennett, B.L.N. & Lambeck, K., 1993. Seismic structure and continuity of the Redbank Thrust Zone, central Australia. *BMR J. Aust. Geol. Geophys.* **13**, 359-368.
- 1994
- Glen, R.A., Drummond, B.J., Goleby, B.R., Palmer, D. & Wake-Dyster, K.D., 1994. Structure of the Cobar Basin New South Wales based on seismic reflection profiling. *Aust. J. Earth Sci.*, **41**, 341-352.
- Goleby, B.R., Drummond, B.J., Korsch, R.J., Willcox, J.B., O'Brien, G.W. & Wake-Dyster, K.D., 1994a. Review of recent results from continental deep seismic profiling in Australia. *Tectonophysics* **232**, 1-12.
- Gudmundsson O., Kennett B.L.N. & Goody A. 1994. Broadband observations of upper mantle seismic phases in northern Australia and the attenuation structure in the upper mantle, *Phys. Earth Planet. Inter.*, **84**, 207-236.
- 1995
- Leven, J.H. & Lindsay, J.F., 1995. A geophysical investigation of the southern margin of the Musgrave Block, South Australia. *AGSO J. Aust. Geol. Geophys.* **16**, 155-161.
- Middleton, M. F., Wilde, S. A., Evans, B.J., Long, A., Dentith, M. & Morawa, M. A., 1995. Deep seismic reflection traverse over the Darling Fault Zone, Western Australia. *Aust. J. Earth Sci.* **42**, 83-93.
- 1996
- Wilde, S. A., Middleton, M. F. & Evans, B.J., 1996. Terrane accretion in the southwestern Yilgarn Craton: evidence from a deep seismic crustal profile. *Precambrian Research* **78**, 179-196.
- 1997
- Drummond, B.J., Goleby, B.R., Goncharov, A.G., Wyborn, L.A.I., Collins, C.D.N. & MacCready, T., 1997. Crustal-scale structures in the Proterozoic Mount Isa Inlier of north Australia: their seismic response and influence on mineralisation. *Tectonophysics* **288**, 43-56.
- Korsch, R.J., Johnstone, D.W. & Wake-Dyster, K.D., 1997. Crustal architecture of the New England Orogen based on deep seismic reflection profiling. *Geol. Soc. Aust. Spec. Publ.* **19**, 29-51.
- Swager, C.P., Goleby, B.R., Drummond, B.J. Rattenbury, M.S. and Williams, P.R., 1997. Crustal structure of granite-greenstone terranes in the Eastern Goldfields, Yilgarn Craton, as revealed by seismic reflection profiling. *Precambrian Research* **83**, 43-56.
- 1998
- Braun, J. & Shaw R., 1998. Contrasting styles of lithospheric deformation along the northern margin of the Amadeus Basin, central Australia, In: *Structure and evolution of the Australian continent*, (Editors J. Braun et al.). AGU Geodynamics Series, **26** 139-156.
- Braun, J. & Shaw, R., 1998. Extension in the Fitzroy Trough, Western Australia: an example of reactivation tectonics. In: *Structure and evolution of the Australian continent*, (Editors J. Braun et al.). AGU Geodynamics Series, **26**, 157-174.
- Finlayson, D.M., Collins, C.D.N., Lukaszuk, I. & Chudyk, E.C., 1998a. A transect across Australia's southern margin in the Otway Basin region: crustal architecture and the nature of rifting from wide-angle seismic profiling. *Tectonophysics* **288**, 177-189.
- Goleby, B.R., MacCready, T., Drummond, B.J. & Goncharov, A., 1998. The Mount Isa Geodynamic Transect. Crustal Implications. In: *Structure and evolution of the Australian continent*, (Editors J. Braun et al.). AGU Geodynamics Series, **26**, 109-118.
- MacCready, T., Goleby, B.R., Goncharov, A., Drummond, B.J. & Lister, G.S., 1998. A framework of overprinting orogens based on interpretation of the Mount Isa deep seismic transect, *Economic Geology* **93**, 1422-1434.
- 1999
- Fomin, T., Drummond, B. & Leven J., 1999. Seismic reflection and refraction studies in the Broken Hill region. *Minfo: New South Wales Mining and Exploration Quarterly* **62**, 26-28
- House, M., Dentith, M., Trench, A., Groves, D. & Miller, D. 1999, Structure of the highly mineralised late-Archaean granitoid-greenstone terrain and the underlying crust in the Kambalda-Widgiemooltha area, Western Australia, from the integration of geophysical datasets, *Explor. Geophys.* **30**, 50-67
- 2000
- Dentith, M.C., Dent V.F. & Drummond B.J. 2000. Deep crustal structure in the southwestern Yilgarn Craton, Western Australia. *Tectonophysics* **325**, 227-255.
- Drummond, B.J., Barton, T.J., Korsch, R.J., Rawlinson, N., Yeates, A.N., Collins, C.D.N. & Brown A.V. 2000. Evidence for crustal extension and inversion in eastern Tasmania, Australia, during the Neoproterozoic and Early Palaeozoic. *Tectonophysics* **329**, 1-21.
- Drummond, B.J., Goleby, B.R., Owen, A.O., Yeates, A.N., Swager, C., Zhang, Y. & Jackson, J.K., 2000. Seismic reflection imaging of mineral systems; three case histories. *Geophysics* **65**, 1852-1861.

2001

- Direen, N.G., Lyons, P., Korsch, R.J. & Glen, R.A. 2001. Integrated geophysical appraisal of crustal architecture in the eastern Lachlan Orogen. *Explor. Geophys.* **32**, 252-262.
- Rawlinson, N., Houseman, G.A., Collins, C.D.N. & Drummond, B.J. 2001. New evidence of Tasmania's tectonic history from a novel seismic experiment. *Geophys. Res. Lett.* **28**, 3337-3340.

2002

- Blewett, R.S., Champion, D.C., Whitaker, A.J., Bell, B., Nicoll, M., Goleby, B.R., Cassidy, K.F. & Groenewald, P.B. 2002. A new 3D model of the Leonora-Laverton transect: implications for the tectonic evolution of the eastern Yilgarn Craton, *Australian Institute of Geoscientists Bull.* **36**, 18-21.
- Finlayson, D.M., Korsch, R.J., Glen, R. A., Leven, J.H. & Johnstone, D.W., 2002. Seismic imaging and crustal architecture across the Lachlan Transverse Zone, a possible early cross-cutting feature of eastern Australia. *Aust. J. Earth Sci.* **49**, 311-321.
- Glen, R.A., Korsch, R.J., Direen, N.G., Jones, L.E.A., Johnstone, D.W., Lawrie, K.C., Finlayson, D.M. & Shaw, R.D., 2002. Crustal structure of the Ordovician Macquarie Arc, Eastern Lachlan Orogen, based on seismic reflection profiling. *Aust. J. Earth Sci.* **49**, 323-348.
- Goleby, B.R., Korsch, R.J., Fomin, T., Bell, B., Nicoll, M. G., Drummond, B.J. & Owen, A. J., 2002. A preliminary 3D geological model of the Kalgoorlie region, Yilgarn Craton, Western Australia based on deep seismic reflection and potential field data, *Aust. J. Earth Sci.* **49**, 917-933.
- Goleby, B.R., Blewett, R. S., Champion, D.C., Korsch, R.J., Bell, B., Groenewald, P.B., Jones, L.E.A., Whitaker, A. J., Cassidy, K.F. & Carlsen, G. M., 2002. Deep seismic profiling in the NE Yilgarn: insights into its crustal architecture, *Australian Institute of Geoscientists Bull.* **36**, 63- 66.
- Korsch, R.J., Barton, T.J., Gray, D. R., Owen, A. J. & Foster, D. A., 2002. Geological interpretation of a deep seismic reflection transect across the boundary between the Delamerian and Lachlan orogens, in the vicinity of The Grampians, Western Victoria. *Aust. J. Earth Sci.* **49**, 1057-1075.

2003

- Drummond, B.J., Owen, A., Jackson, J.C., Goleby, B.R. & Sheard, S.N., 2003. Seismic reflection imaging of the environment around the Mount Isa ore bodies, northern Australia – A case study. In: *Hardrock Seismic Exploration, Geophysical Developments*, (Editors D.W. Eaton, B. Milkereit & M.H. Salisbury), Chapter 8, 127-138.
- Fomin, T., Crawford, A.R. and Johnstone, D.W., 2003. A Wide-angle reflection experiment with vibroseis sources as part of a multidisciplinary seismic study of the Leonora-Laverton Tectonic Zone, Northeastern Yilgarn Craton. *Explor. Geophys.* **34**, 147-150.
- Reading A., Kennett B. & Sambridge M. 2003. Improved inversion for seismic structure using transformed S-wavevector receiver functions: removing the effect of the free surface, *Geophys. Res. Lett.*, **30**(19) 1981; doi: 10.1029/2003GL018090.
- Wartenberg, W., Korsch, R.J. & Schäfer, A., 2003. The Tamworth Belt in Southern Queensland, Australia: thrust-characterised geometry concealed by Surat Basin sediments. In: *Tracing tectonic deformation using the sedimentary record*, (Editors T. McCann & A. Saintot). *Geol. Soc. London, Spec. Publ.* **208**, 185-203.

2004

- Blewett, R.S., Cassidy, K.F., Champion, D.C., Henson, P.A., Goleby, B.R., Jones, L. & Groenewald, P.B., 2004. The Wangkathaa Orogeny: an example of episodic regional 'D2' in the late Archaean Eastern Goldfields Province, Western Australia. *Precambrian Research* **130**, 139-159.
- Drummond, B.J., Hobbs, R.W. & Goleby, B.R., 2004. The effects of out-of-plane seismic energy on reflections in crustal-scale 2D seismic sections. *Tectonophysics* **388**, 213-224.
- Drummond, B.J., Hobbs, B.E. & Goleby, B.R., 2004. The role of crustal fluids in the tectonic evolution of the Eastern Goldfields Province of the Archaean Yilgarn Craton, Western Australia. *Earth, Planets and Space* **56**, 1163-1169.
- Goleby, B.R., Blewett, R.S., Korsch, R.J., Champion, D.C., Cassidy, K.F., Jones, L.E.A., Groenewald, P.B. & Henson, P., 2004a. Deep seismic reflection profiling in the Archaean northeastern Yilgarn Craton, Western Australia: implications for crustal architecture and mineral potential. *Tectonophysics* **388**, 119-133.
- Goleby, B.R. & Korsch R.J. 2005. The 2003-2004 Curnamona Deep Seismic Reflection Traverse, South Australia. *ASEG Preview* **119**, 27-28.
- Korsch, R.J., 2004. A Permian-Triassic retroforeland thrust system. the New England Orogen, and adjacent sedimentary basins, Eastern Australia. *Amer. Assoc. Petrol. Geologists, Memoir* **82**, 515-537.

2005

- Goleby, B.R., Korsch, R.J., Fomin, T., Preiss, W.V., Conor, C.H.H., Robertson, R.S. & Burt, A.C., 2005. The 2003-2004 Curnamona Deep Seismic Reflection Traverse, South Australia. *ASEG Preview* **119**, 27-28.

2006

- Drummond, B.J., Lyons, P., Goleby, B.R. & Jones, L., 2006. Constraining models of the tectonic setting of the giant Olympic Dam iron oxide – copper – gold deposit, South Australia, using deep seismic reflection data. *Tectonophysics* **420**, 91-103.
- Goleby, B.R., Blewett, R.S., Fomin, T., Fishwick, S., Reading, A.M., Henson, P.A., Kennett, B.L.N., Champion, D.C., Jones, L., Drummond, B.J. & Nicoll, M., 2006. An integrated multi-scale 3D seismic model of the Archaean Yilgarn Craton, Australia. *Tectonophysics* **420**, 75-90.
- MacCready, T., 2006. Structural cross-section based on the Mt. Isa Deep Seismic Transect. *Aust. J. Earth Sci.* **53**, 5-26.
- MacCready, T., Goleby, B.R., Goncharov, A., Drummond, B.J. & Lister, G. S., 2006. Shifts in the locus of crustal thickening during Mesoproterozoic orogenesis in the Mt. Isa Terrane. *Aust. J. Earth Sci.* **53**, 41-53.
- Gray, D. R., Foster, D. A., Korsch, R.J. & Spaggiari, C. V., 2006. Structural style and crustal architecture of the Tasmanides of eastern Australia: example of a composite accretionary orogen. *Geol. Soc. Amer. Spec. Paper* **414**, 199-232.
- Hobbs, R.W., Drummond, B.J. & B.R. Goleby, 2006. The effects of three dimensional shear zone morphology on the nature of reflections in two dimensional crustal seismic sections. *Geophys. J. Int.* **164**, 490-500.
- Rawlinson, N. & Urvoy, M., 2006. Simultaneous inversion of active and passive source datasets for 3-D seismic structure with application to Tasmania. *Geophys. Res. Lett.*, **33** L24313, doi:10.1029/2006GL028105.

- van der Valden, A.J., Cook, F.A., Drummond, B.J. & Goleby, B.R., 2006. Reflections of the Neoproterozoic: A global perspective. In: *Archean Geodynamics and Environments*, (Editors K. Benn, J.-C. Mareschal & K. Condie). Amer. Geophys. Union Geophysical Monograph, **164**, 255-265.
- 2007
- Fomin, T. & Korsch, R.J., 2007. 2005 Broken Hill high resolution vibroseis seismic reflection survey. *ASEG Preview* **126**, 22–23.
- Glen, R.A., Poudjom Djomani, Y., Korsch, R.J., Costelloe, R.D. & Dick, S., 2007. Thomson-Lachlan seismic project – results and implications. In *Mines and Wines 2007: Mineral Exploration in the Tasmanides*. (Editor Lewis P.), *Australian Institute of Geoscientists Bulletin* **46**, 73–78.
- 2009
- Korsch, R.J., Totterdell, J. M., Fomin, T. & Nicoll, M. G., 2009. Contractual structures and deformational events in the Bowen, Gunnedah and Surat Basins, eastern Australia. *Aust. J. Earth Sci.* **56**, 477-499.
- Krassay, A.A., Korsch, R.J. & Drummond, B.J., 2009. Meandarra Gravity Ridge: symmetry elements of the gravity anomaly and its relationship to the Bowen-Gunnedah-Sydney basin system. *Aust. J. Earth Sci.* **56**, 355-379.
- 2010
- Blewett, R. S., Czarnota, K. & Henson, P. A., 2010. Structural-event framework for the eastern Yilgarn Craton, Western Australia, and its implications for orogenic gold. *Precambrian Research* **183** 203-229
- Carr, L.K., Korsch, R. Jones, L. & Holzschuh, J., 2010. The role of deep seismic reflection data in understanding the architecture and petroleum potential of Australia's onshore sedimentary basins. *APPEA Journal* **50**
- Finlayson, D.M., 2010. *A Chronicle of Deep Seismic Profiling across the Australian Continent and its Margins, 1946-2006*, D.M. Finlayson, Canberra, pp 255 (available from doug.finlayson@netspeed.com.au).
- Henson, P. A., Blewett, R. S., Roy, I. G., Miller, J. McL. & Czarnota, K. 2010. 4D architecture and tectonic evolution of the Laverton region, eastern Yilgarn Craton, Western Australia. *Precambrian Research* **183** 338-355.
- Willman, C. E.; Korsch, R. J.; Moore, D. H.; Cayley, R. A.; Lisitsin, V. A.; Rawling, T. J.; Morand, V. J.; & O'Shea, P. J. 2010. Crustal-scale fluid pathways and source rocks in the Victorian gold province, Australia; insights from deep seismic reflection profiles. *Economic Geology* **105**, 895-915.
- 2011
- Carr, L. K., Korsch, R. J., Preiss, W., Menpes, S., Holzschuh, J. & Costelloe, R., 2011. Structural and stratigraphic architecture of Australia's frontier onshore sedimentary basins; the Arckaringa, Officer, Amadeus, and Georgina Basins. *APPEA Journal* **51**
- Cayley, R., 2011. Exotic crustal block accretion to the eastern Gondwanaland margin in the late Cambrian – Tasmania, the Selwyn Block, and implications for the Cambrian-Silurian evolution of the Ross, Delamarian and Lachlan orogens, *Gondwana Res.* **19**, 628-649.
- Cayley, R. A., Korsch, R. J., Moore, D. H., Costelloe, R. D., Nakamura, A., Willman, C. E., Rawling, T. J., Morand, V. J., Skladzien, P. B. & O'Shea, P. J., 2011. Crustal architecture of central Victoria; results from the 2006 deep crustal reflection seismic survey. *Aust. J. Earth Sci.* **58**, 113-156.
- Kennett, B.L.N., Salmon, M., Saygin, E. & AusMoho Working Group, 2011. AusMoho: the variation in Moho depth in Australia, *Geophys. J. Int.*, **187**, 946-958.
- Korsch, R. J., Struckmeyer, H. I. M., Kirkby, A., Hutton, L. J., Carr, L. K., Hoffmann, K. L., Chopping, R., Roy, I. G.; Fitzell, M.; Totterdell, J. M.; Nicoll, M. G. & Talebi, B. 2011. Energy potential of the Millungera Basin; a newly discovered basin in north Queensland. *APPEA Journal* **51**, 295-332
- 2012
- Kennett B.L.N. & Blewett R. S. 2012. Lithospheric Framework of Australia, *Episodes*, **35**, 9-22.
- Korsch, R. J., Huston, D. L., Henderson, R. A., Blewett, R. S., Withnall, I. W., Fergusson, C. L., Collins, W. J., Saygin, E.; Kositcin, N.; Meixner, A. J.; Chopping, R.; Henson, P. A.; Champion, D. C.; Hutton, L. J.; Wormald, R.; Holzschuh, J. & Costelloe, R. D. 2012. Crustal architecture and geodynamics of north Queensland, Australia; insights from deep seismic reflection profiling. *Tectonophysics* **572-573**, 76-99.
- 2013
- Fontaine F., Tkalčić H. & Kennett B.L.N., (2013) Imaging crustal structure variation across southeastern Australia, *Tectonophysics* **582**, 112-125
- Glen R. A., Korsch R. J., Hegarty R., Saeed A., Poudjom Djomani Y., Costelloe R. D. & Belousova E. 2013. Geodynamic significance of the boundary between the Thomson Orogen and the Lachlan Orogen, northwestern New South Wales and implications for Tasmanide tectonics. *Austral. J. Earth Sci.*, **60**, 371–412
- Salmon M, Kennett B.L.N. & Saygin E., (2013) Australian Seismological Reference Model (AuSREM): crustal component, *Geophys. J. Int.*, **192**, 190-206.
- Johnson S.P., Thorne A.M., Tyler I.M., Korsch R.J., Kennett B.L.N., Cutten H.N., Goodwin J., Blay O., Blewett R.S., Joly A., Dentith M.C., Aitken A.R.A., Holzschuh J., Salmon M., Reading A., Heinson G., Boren G., Ross J., Costelloe R.D. & Fomin T. (2013) Crustal architecture of the Capricorn Orogen, Western Australia and associated metallogeny, *Austral. J. Earth Sci.*, **60**, 681–705.
- Salmon M., Kennett B.L.N., Stern T. & Aitken A.R.A. (2013) The Moho in Australia and New Zealand, *Tectonophysics*, **609**, 288-298.
- 2014
- Burton G. R. & Trigg S. J. 2014. Geodynamic significance of the boundary between the Thomson Orogen and the Lachlan Orogen, northwestern New South Wales and implications for Tasmanide tectonics. Discussion, *Austral. J. Earth Sci.*, **61**, 639-641.
- Glen, R.A., Poudjom Djomani, Y.H., Belousova, E., Hegarty, R., and Korsch, R.J. (2014) Geodynamic significance of the boundary between the Thomson Orogen and the Lachlan Orogen, northwestern New South Wales and implications for Tasmanide tectonics: reply, *Austral. J. Earth Sci.*, **61**, 643–657.
- 2015
- Aitken. A., Banaczyk, S., Dentith, M., Lindsay, M., Shragge, J., Piña-Varas, P., Annetts, A., Austin, J., Ley-Cooper, Y., Monday, T., Kennett, B., Murdie, R., & Yuan, H., (2015) A Major Geophysical Experiment in the Capricorn Orogeny, Western Australia, ASEG-PESA 2015 – Perth, Australia.
- Kennett, B.L.N. & Saygin, E. (2015) The nature of the Moho in Australia from reflection profiling: A review, *GeoResJ*, **5**, 74-91. doi: 10.1016/j.grj.2015.02.001.
- Doublier, M.P., Czarnota, K., Champion, D. C., & Korsch, R.J. (2015) Lithospheric architecture of the Yilgarn Craton: an integrative approach, SGTSG, Calloundra

2016

- Gibson, G.M., Meixner, A.J., Withnall, I.W., Korsch, R.J., Hutton, L.J., Jones, L.E.A., Holzschuh, J., Costelloe, R.D., Henson, P.A., & Saygin, E. (2016) Basin architecture and evolution in the Mount Isa mineral province, northern Australia: Constraints from deep seismic reflection profiling and implications for ore genesis, *Ore Geol. Rev.*, **76**, 414-441 <http://dx.doi.org/10.1016/j.oregeorev.2015.07.013>
- Huston, D.L., Champion, D.C., Mernagh, T.P., Downes, P.M., Jones, P., Carr, G., Forster, D., & David, V. (2016) Metallogenesis and geodynamics of the Lachlan Orogen: New (and old) insights from spatial and temporal variations in lead isotopes, *Ore Geol. Rev.*, **76**, 257-267. <http://dx.doi.org/10.1016/j.oregeorev.2015.07.005>
- Korsch, R.J. & Doublier, M.P., (2016) Major crustal boundaries of Australia, and their significance in mineral systems targeting, *Ore Geol. Rev.*, **76**, 211-228 <http://dx.doi.org/10.1016/j.oregeorev.2015.05.010>

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