

# Testing SEG bibliography from 12001 to 13000

Sergey Fomel

February 21, 2001

## References

- Adams, M., 1993, Geophysics in the Environmental Marketplace: Preview, , no. 46, 41–43.
- Aina, A., and Olorunfemi, M., 1996, Comparative field results for electrical resistivity, magnetic, gravity and VLF methods over a marble lens: *Expl. Geophys.*, **27**, no. 04, 217–222.
- Alam, A., and Austin, J., 1981, Suppression of multiples using slant stacks: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:S16.2.
- Alam, M. S., 1981, Seismic reflection data collection: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:S1.2.
- Aldridge, D. F., 1992, Mathematics of linear sweeps: *J. Can. Soc. Expl. Geophys.*, **28**, no. 01, 62–68.
- Alexandar, E., 1997, Status report: South Australian seismic datasheets: Preview, , no. 70, 26.
- Almond, R., and FitzGerald, D. J., 1998, Naudy based automodelling with trend enhancements *Expl. Geophys.*, **29**, no. 3/4, 372–377.
- Amann, W., and Pietila, R., 1998, Geophysical response of the Silver Swan nickel sulphide deposit Western Australia *Expl. Geophys.*, **29**, no. 3/4, 273–279.
- Aminzadeh, F., and Mendel, J. M., 1981, Normal incidence state space models, which include absorption effects, for layered systems: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:S2.1.
- An, P., Moon, W. M., and Rencz, A., 1991, Application of fuzzy set theory to integrated mineral exploration: *J. Can. Soc. Expl. Geophys.*, **27**, no. 01, 1–11.
- Anderson, N. L., and Brown, R. J., 1987, The seismic signatures of some western Canadian Devonian reefs: *J. Can. Soc. Expl. Geophys.*, **23**, no. 01, 7–26.

- Anderson, N. L., and Brown, R. J., 1992, Dissolution and deformation of rock salt, Stettler area, southeastern Alberta: *J. Can. Soc. Expl. Geophys.*, **28**, no. 02, 128–136.
- Anderson, N. L., Brown, R. J., and Hinds, R. C., 1988a, Geophysical aspects of Wabamun Salt distribution in southern Alberta: *J. Can. Soc. Expl. Geophys.*, **24**, no. 02, 166–178.
- Anderson, N. L., Brown, R. J., and Hinds, R. C., 1988b, A seismic perspective on the Panny and Trout Fields of north-central Alberta: *J. Can. Soc. Expl. Geophys.*, **24**, no. 02, 154–165.
- Anderson, N. L., Brown, R. J., and Cederwall, D. A., 1994, A seismic analysis of erosion, salt dissolution and structural relief at the Paleozoic subcrop in the Sullivan Lake area, south-central Alberta: *J. Can. Soc. Expl. Geophys.*, **30**, no. 01, 51–59.
- Anderson-Mayes, A., 1995, Where Are the Women in Geophysics?: Preview, , no. 54, 21–24.
- Anderson, C. E., 1980, A seismic reflection study of a probable astrobleme near Hartney Manitoba: *J. Can. Soc. Expl. Geophys.*, **16**, no. 01, 7–18.
- Anfiloff, V., 1994, Discussion on 'Gravity investigations in mountainous areas', by P. Steinhauser, B. Meurers and D. Ruess (egj-21-3/4-161-168) with reply by authors: *Expl. Geophys.*, **25**, no. 01, 57–59.
- Angus, W. R., 1966, Economics in geophysical exploration: *J. Can. Soc. Expl. Geophys.*, **02**, no. 01, 33–37.
- Anstey, N. A., 1965, Wiggles: *J. Can. Soc. Expl. Geophys.*, **01**, no. 01, 13–43.
- Anstey, N. A., 1966, Correlation techniques - A review: *J. Can. Soc. Expl. Geophys.*, **02**, no. 01, 55–86.
- Anstey, N. A., 1980, Resolution, bandwidth, and money: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.3.
- Apparao, A., Sastry, R. S., and Sarma, V. S., 1994, Spectral IP studies on buried scale models incorporating surface and volume polarisation: *Expl. Geophys.*, **25**, no. 01, 31–37.
- Applegate, J. K., Goebel, V. S., Kallenberger, P., and Rossow, J., 1981, The use of seismic reflection techniques in geothermal areas throughout the US: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G1.5.
- Archer, C. T., 1998a, Integrated interpretation of SPECTRUM geophysical data *Expl. Geophys.*, **29**, no. 1/2, 83–86.
- Archer, C. T., 1998b, Integrated interpretation of SPECTRUM geophysical data *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., *Expl. Geophys.:: Austr. Soc. Expl. Geophys.*, 83–86.

- Archibald, N., Gow, P., and Boschetti, F., 1999, Multiscale edge analysis of potential field data: *Expl. Geophys.*, **30**, no. 1/2, 38–44.
- Arditty, P. C., Arens, G., and Staron, P., 1981, EVA: A long-spacing sonic tool for evaluation of acoustic velocities and attenuations: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:S11.1.
- Arens, G., Fourgeau, E., Giard, D., and Morlet, J., 1980, Signal filtering and velocity dispersion through multilayered media: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.70.
- Arnetzl, H. H., and Krey, T. C., 1981, Theoretical and practical aspects of absorption in the application of in-seam seismic coal exploration: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:M4.6.
- Aseg, 1990, ASEG - Key historical data and office bearers 1970-1989: *Expl. Geophys.*, **21**, no. 3/4, 234–235.
- Asten, M. W., 1996a, Drillhole EM - A strictly scientific hokey-pokey: *Expl. Geophys.*, **27**, no. 2/3, 41–49.
- Asten, M., 1996b, Drillhole EM - A strictly scientific hokey-pokey: *Expl. Geophys.*, **27**, no. 2/3, 41–49.
- Audet, J., and Garotta, R., 1981, The detection of porosity changes using shear waves: A case study: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:S3.4.
- Augustinus, P., and Idnurm, M., 1993, Palaeomagnetism of ferricrete from Vale of Belvoir, western Tasmania: Implications for Tasmanian Cenozoic glacial history *in* Clark, D., Ed., Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings:: Austr. Soc. Expl. Geophys., 301–302.
- Avdeev, D. B., Kuvshinov, A. V., Pankratov, O. V., and Newman, G. A., 1998a, Three-dimensional frequency-domain modelling of airborne electromagnetic responses *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., *Expl. Geophys.*:: Austr. Soc. Expl. Geophys., 111–119.
- Avdeev, D. B., Kuvshinov, A. V., Pankratov, O. V., and Newman, G. A., 1998b, Three-dimensional frequency-domain modelling of airborne electromagnetic responses *Expl. Geophys.*, **29**, no. 1/2, 111–119.
- Azad, J., 1973, Direct oil prospecting with electrical transient reflections: *J. Can. Soc. Expl. Geophys.*, **09**, no. 01, 1–11.
- Baerheim, R., and Helbig, K., 1993, Decomposition of the anisotropic elastic tensor in base tensors *J. Can. Soc. Expl. Geophys.*, **29**, no. 01, 41–50.
- Baixas, F., Hooyman, P., and Wu, C., 1981, Application of non linear constraints to the processing of seismic data: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:S15.7.

- Baker, L. J., 1981, Effect of the invaded zone in full waveform acoustic logging: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:S11.2.
- Balough, S., Betts, P., Breig, J., Karcher, B., Erlich, A., Green, J., Haines, P., Landgren, K., Marsden, R., Smith, D., Pohlman, J., Shields, W., and Winczewski, L., 1996, Managing oilfield data management: Preview, , no. 62, 13–31.
- Baptie, B., Crampin, S., Liu, E., Schmitt, D. R., and Kebaili, A., 1993, Displaying shear-wave splitting in crosshole surveys for materials with EDA and PTL anisotropies velocity anisotropy estimation from slant stacks of well-bore seismics J. Can. Soc. Expl. Geophys., **29**, no. 01, 236–245.
- Barongo, J. O., 1998a, Selection of an appropriate model for the interpretation of time-domain airborne electromagnetic data for geological mapping *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., Expl. Geophys.: Austr. Soc. Expl. Geophys., 107–110.
- Barongo, J. O., 1998b, Selection of an appropriate model for the interpretation of time-domain airborne electromagnetic data for geological mapping Expl. Geophys., **29**, no. 1/2, 107–110.
- Bartel, L. C., and Dobecki, T. L., 1980, High-resolution reflection seismics at a potential in-situ coal gasification test site: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:M.44.
- Barton, C. E., and Peerdemen, F. M., 1993, Palaeomagnetism, rock magnetism and evolution of the Great Barrier Reef *in* Clark, D., Ed., Third Geomagnetism Workshop - Palaeomagnetism Seminar, Proceedings:: Austr. Soc. Expl. Geophys., 311–314.
- Barton, C., Chamalaun, F., Klootwijk, C., Schmidt, P., and Clark, D., 1993, Third geomagnetism workshop - Palaeomagnetism seminar, proceedings *in* Clark, D., Ed., Third Geomagnetism Workshop - Palaeomagnetism Seminar, Proceedings:: Austr. Soc. Expl. Geophys., Session:0000–314.
- Barton, C. E., 1993, Geomagnetic reference fields and direction-finding applications *in* Clark, D., Ed., Third Geomagnetism Workshop - Palaeomagnetism Seminar, Proceedings:: Austr. Soc. Expl. Geophys., 93–98.
- Bayoumi, A. I., and Abdelrahman, E. M., 1981, A contribution to the structural significance of juxtaposition of gravity anomalies: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:P1.1.
- Bays, A. R., and Duckworth, K., 1983, A newly available scale-modelling facility: J. Can. Soc. Expl. Geophys., **19**, no. 01, 67–74.
- Beck, P. H., and Qureshi, I. R., 1989, Gravity mapping of subsurface cavity at Marulan N.S.W. (short note): Expl. Geophys., **20**, no. 04, 481–486.
- Bellatti, J. T., 1981, A field investigation comparing conventional compressional wave, converted wave and horizontally polarized shear wave reflections: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:S3.7.

- Bergquist, L., 1980, Helium emanometry: An energy exploration guide: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:M.14.
- Berkman, E., Goss, R. D., Orange, A. S., and Smith, R. D., 1981a, Adaptive magnetotelluric exploration utilizing in-field processing - A case history: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:P3.7.
- Berkman, E., Orange, A. S., and Wach, P. H., 1981b, An integrated approach to exploration of volcanic covered prospects - A case history: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:P2.6.
- Berni, A. J., Kruka, V. R., Park, L. D. J., and McNerney, R. P., 1980, Solid flotation hydrophone cables: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:MA.6.
- Bernstein, L. R., and Zerzan, J. M., 1981, Three-dimensional interpretation of gravity data with applications in the Mississippi embayment: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:P1.5.
- Bertagne, A. J., and Tsai, C. J., 1980, Seismic stratigraphic investigation: Veracruz tongue, deep southwestern Gulf of Mexico: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.79.
- Berteussen, K. A., and Ursin, B., 1981, Approximate computation of the acoustic impedance from seismic data: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:S8.2.
- Best, M. E., and Shamma, B. R., 1976, Some modelling results for Turam type EM systems: *J. Can. Soc. Expl. Geophys.*, **12**, no. 01, 5–22.
- Bickel, S. H., and Martinez, D. R., 1981, Resolution performance of Wiener filters: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:S10.3.
- Bickel, S. H., 1980, Effects of noise on minimum-phase Vibroseis deconvolution: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:R.23.
- Bickel, S. H., 1981, Constant Q inverse filters: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:S10.4.
- Bierbaum, S. J., and Greenhalgh, S. A., 1998, A high-frequency downhole sparker sound source for crosswell seismic surveying *Expl. Geophys.*, **29**, no. 3/4, 280–283.
- Billings, S. D., and FitzGerald, D. J., 1998, An integrated framework for interpolating airborne geophysical data with special reference to radiometrics *Expl. Geophys.*, **29**, no. 3/4, 284–289.
- Billings, S., 1998, Modelling detector response in airborne gamma-ray spectrometry: *Preview*, no. 75, 31.

- Bing, Z., Greenhalgh, S. A., and Sinadinovski, C., 1992, Iterative algorithm for the damped minimum norm, least squares and constrained problem in seismic tomography: *Expl. Geophys.*, **23**, no. 03, 497–506.
- Bird, R. T., Roest, W. R., Pilkington, M., Ernst, R. E., and Buchan, K. L., 1999, An approach to the reconstruction of deformed continental crust using gridded geophysical data: *Expl. Geophys.*, **30**, no. 3/4, 101–104.
- Birnie, D., and Eastwood, F., 1981, Vibroseis in the Canadian Arctic - A case study: *J. Can. Soc. Expl. Geophys.*, **17**, no. 01, 7–23.
- Bishop, J. R., and Lewis, R. J. G., 1996a, Introduction to the 1996 special volume on DHEM: *Expl. Geophys.*, **27**, no. 2/3, 37–39.
- Bishop, J., and Lewis, R., 1996b, Introduction to the 1996 Special Volume on DHEM: *Expl. Geophys.*, **27**, no. 2/3, 37–39.
- Bishop, J. R., 1996a, DHEM surveys of the 2K area, north mine, Broken Hill: *Expl. Geophys.*, **27**, no. 2/3, 51–65.
- Bishop, J., 1996b, DHEM surveys of the 2K area, North Mine, Broken Hill: *Expl. Geophys.*, **27**, no. 2/3, 51–65.
- Bjerstedt, D., 1995, NMO distortion: *J. Can. Soc. Expl. Geophys.*, **31**, no. 1/2, 25–31.
- Bobbitt, J., 1995, The Business of POSC: Preview, , no. 59, 29–33.
- Boggs, D. B., Stanley, J. M., and Cattach, M. K., 1998, Feasibility studies of TFMMIP and TFEM surveying with Sub-Audio Magnetics *Expl. Geophys.*, **29**, no. 3/4, 290–295.
- Boggs, D., Stanley, J., and Cattach, M., 1999, Three-dimensional numerical modelling of sub-audio magnetic data: *Expl. Geophys.*, **30**, no. 3/4, 147–156.
- Bolton, R. J., 1975, Error analysis in automatic data reduction of potential field data: *J. Can. Soc. Expl. Geophys.*, **11**, no. 01, 48–54.
- Bond, M. A., 1981, An integrated geophysical study of the Shaw warm spring area, San Luis valley, south-central Colorado: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G2.4.
- Booth, D. C., Abaseev, S. A., Evans, R., Crampin, S., and Chesnokov, E. M., 1993, Observations of shear-wave splitting near Ashkhabad, Turkmenia *J. Can. Soc. Expl. Geophys.*, **29**, no. 01, 363–370.
- Boothroyd, D. R. W., and Cull, J. P., 1995, Time Domain IP and Complex Resistivity Data: Preview, , no. 58, 33–37.
- Borradaile, G., and Kukkee, K., 1996, Rock-magnetic study of gold mineralization near a weakly deformed Archean syenite, Thunder Bay, Canada: *Expl. Geophys.*, **27**, no. 01, 25–31.

- Boulware, R. A., 1965, Future prospects for exploration geophysics: *J. Can. Soc. Expl. Geophys.*, **01**, no. 01, 5–12.
- Bouyoucos, J. V., McLaughlin, J. J., and Selsam, R. L., 1980, The hydroshock water gun: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:MA.3.
- Bower, P., Boyd, J., and Jain, S., 1987, Locating Swan Hills porosity at Judy Creek using seismic inversion: *J. Can. Soc. Expl. Geophys.*, **23**, no. 01, 37–45.
- Boyd, J. D., 1968, Examples of digital processing of transcoded tapes: *J. Can. Soc. Expl. Geophys.*, **04**, no. 01, 73–84.
- Braginskaya, T. G., and Zubov, E. I., 1998, Some Features of Airborne Radiometric Data Processing: Preview, , no. 77, 18–24.
- Braine, M. F., and Macnae, J., 1999, Removing the regolith: EM defined structure fails to correct gravity at Elura: *Expl. Geophys.*, **30**, no. 3/4, 115–122.
- Bregman, N. D., Bailey, R. C., and Chapman, C. H., 1989, Ghosts in tomography: The effects of poor angular coverage in 2-D seismic travelttime inversion: *J. Can. Soc. Expl. Geophys.*, **25**, 7–27.
- Brown, R. J., and Anderson, N. L., 1991, On the question of lateral velocity variations over Leduc and Rainbow Reefs: *J. Can. Soc. Expl. Geophys.*, **27**, no. 01, 43–52.
- Brown, R. J., Crampin, S., Gallant, E. V., and Vestrum, R. W., 1993, Modelling shear-wave singularities in an orthorhombic medium *J. Can. Soc. Expl. Geophys.*, **29**, no. 01, 276–284.
- Browne, E. M., and Smither, M. A., 1980, A highly accurate method of cable break location: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.32.
- Browne, I., 1996, High resolution coastal marine geophysical surveys: Preview, , no. 60, 20–26.
- Buchanan, D. J., Davis, R., Jackson, J. J., and Taylor, P. M., 1980, Use of channel-wave seismology to find faults in coal seams: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:M.41.
- Buchholtz, H., Houba, W., and Koitka, H., 1981, Topics in 3-D marine seismic data processing: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:S12.5.
- Burg, K. E., 1965, Geological value of digital seismic technology: *J. Can. Soc. Expl. Geophys.*, **01**, no. 01, 44–57.
- Burgett, W. A., Stoyer, C. H., and James, B. A., 1980, Modeling TDEM surveys: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:M.39.
- Buselli, G., and Lee, S. K., 1996a, Modelling of drill-hole TEM responses from multiple targets covered by a conductive overburden: *Expl. Geophys.*, **27**, no. 2/3, 141–153.

- Buselli, G., and Lee, S., 1996b, Modelling of drill-hole TEM responses from multiple targets covered by a conductive overburden: *Expl. Geophys.*, **27**, no. 2/3, 141–153.
- Buselli, G., and Williamson, D. R., 1994, The use of broadband electromagnetic methods to differentiate layered models of soil salinity profiles: *Expl. Geophys.*, **25**, no. 02, 89–102.
- Buselli, G., Davis, G. B., Barber, C., Height, M. I., and Howard, S. H. D., 1992, The application of electromagnetic and electrical methods to groundwater problems in urban environments: *Expl. Geophys.*, **23**, no. 04, 543–555.
- Buselli, G., Hwang, H. S., and Lu, K., 1998a, Minesite groundwater contamination mapping *Expl. Geophys.*, **29**, no. 3/4, 296–300.
- Buselli, G., Hwang, H. S., and Pik, J. P., 1998b, AEM noise reduction with remote referencing *Expl. Geophys.*, **29**, no. 1/2, 71–76.
- Buselli, G., Hwang, H. S., and Pik, J. P., 1998c, AEM noise reduction with remote referencing *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., *Expl. Geophys.:: Austr. Soc. Expl. Geophys.*, 71–76.
- Byun, B. S., 1981, Seismic parameters for media with elliptical velocity dependences: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:S17.1.
- Cadzow, J. A., 1981, Modeling of time series: A new approach: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:S10.8.
- Campbell, B. S., and Greenfield, R. J., 1980, Use of numerical electromagnetic and electrical modeling in exploration for massive sulfides: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:M.34.
- 1983, The effect of permafrost on the induced-polarization response of lead zinc ores: *J. Can. Soc. Expl. Geophys.*, **19**, 75–83.
- Cao, S., Goleby, B. R., and Kennett, B. L. N., 1991, Modelling seismic reflections in central Australia by the 3-D isochronal technique: *Expl. Geophys.*, **22**, no. 03, 525–532.
- Carazzone, J. J., and Eriksen, E. A., 1981, 3-D modeling with exploration applications: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:S12.7.
- Carroll, S., and Beresford, G., 1997, Techniques to improve imaging of seismic tomographic data: *Expl. Geophys.*, **28**, no. 04, 369–378.
- Carroll, P., 1971, A note on synthetic Vibroseis sweep generation: *J. Can. Soc. Expl. Geophys.*, **07**, no. 01, 80–82.
- Carroll, P., 1972, Signature deconvolution for marine seismic reflection surveys: *J. Can. Soc. Expl. Geophys.*, **08**, no. 01, 41–53.



- Carroll, S., 1993, Velocity analysis by reflection tomography: Application to near-surface reefs in the browse basin: *Preview*, , no. 45, 12–14.
- Carruth, H. T. J., 1981, The ground position controller-recorder GPCR: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:S20.2.
- Cartwright, J., and Lonergan, L., 1997, Seismic expression of layer-bound fault systems of the Eromanga and North Sea Basins: *Expl. Geophys.*, **28**, no. 03, 323–331.
- Castagna, J., Anderson, R., and Brock, D., 1981, Shear waves on sonic log waveforms: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:S11.6.
- Caulfield, D. D., and Yim, Y.-C., 1983, Prediction of shallow sub-bottom sediment acoustic impedance while estimating absorption and other losses: *J. Can. Soc. Expl. Geophys.*, **19**, no. 01, 44–50.
- Caulfield, D. C., Caulfield, D. D., and Yim, Y.-C., 1985, Shallow sub-bottom impedance structures using an iterative algorithm and empirical constraints: *J. Can. Soc. Expl. Geophys.*, **21**, no. 01, 7–14.
- Chamalaun, F. H., and Barton, C. E., 1993, Electromagnetic induction in the Australian crust: Results from the Australia-wide array of geomagnetic stations *in* Clark, D., Ed., Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings:: Austr. Soc. Expl. Geophys., 179–186.
- Chant, I. J., and Hastie, L. M., 1988, A comparison of magnetotelluric analysis methods based on data from a site in the Moreton basin: *Expl. Geophys.*, **19**, no. 03, 417–422.
- Chapman, W. L., Brown, G. L., and Fair, D. W., 1980, The Vibroseis system: A high-frequency tool: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.113.
- Charbonneau, B. W., and Ford, K. L., 1979, Discovery of two uranium occurrences in Paleozoic sedimentary rocks at south March Ontario and south Maitland Nova Scotia by airborne gamma-ray spectrometry and comparison with surveys over precambrian terrain: *J. Can. Soc. Expl. Geophys.*, **15**, no. 01, 54–76.
- Cheesman, S., MacLeod, I., and Hollyer, G., 1998, A new, rapid, automated grid stitching algorithm *Expl. Geophys.*, **29**, no. 3/4, 301–305.
- Chen, J., and Macnae, J. C., 1998a, Automatic estimation of EM parameters in Taudomain *Expl. Geophys.*, **29**, no. 1/2, 170–174.
- Chen, J., and Macnae, J. C., 1998b, Automatic estimation of EM parameters in Taudomain *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., *Expl. Geophys.*:: Austr. Soc. Expl. Geophys., 170–174.
- Chen, J., and Raiche, A., 1998a, Inverting AEM data using a damped eigenparameter method *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., *Expl. Geophys.*:: Austr. Soc. Expl. Geophys., 128–132.

- Chen, J., and Raiche, A., 1998b, Inverting AEM data using a damped eigenparameter method *Expl. Geophys.*, **29**, no. 1/2, 128–132.
- Chen, C.-S., 1998, Applications of TEM in Taiwan *Expl. Geophys.*, **29**, no. 3/4, 306–311.
- Cheng, S., Hron, F., and Daley, P. F., 1992, Determination of shear wave velocities and densities from P-wave amplitudes in VSP data: *J. Can. Soc. Expl. Geophys.*, **28**, no. 01, 19–25.
- Cherry, J. T., Farrell, W. E., and Rodi, W. L., 1980, Inversion of dispersed Rayleigh waves for shallow shear velocity: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:R.35.
- Chi, C. Y., and Mendel, J. M., 1981, Veterbi algorithm for seismic event detection: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:S10.1.
- Chilcoat, S. R., Hubbard, L. M., Lauffer, D. E., and O'Brien, J. T., 1981, Case history of a 3-D experimental study: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:S12.1.
- Chiu, S., and Law, B., 1989, Robust 3-D refraction statics: *J. Can. Soc. Expl. Geophys.*, **25**, 85–96.
- Chiupka, J. W., Beresford, G., and Tadiar, E. F., 1992, Application of normalised velocities for depth conversion of the Bookabourdie field, Cooper Basin, S. A: *Expl. Geophys.*, **23**, no. 03, 481–488.
- Chopra, P. N., de Bruyn, C. J., and Mathew, P. J., 1989, Demonstration of a primary calibration of a formation density well-logging tool: *Expl. Geophys.*, **20**, no. 03, 403–410.
- Christensen, A. D., 1980, Operating quality of seismic instrumentation: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.33.
- Christie, P. A. F., Hughes, V. J., and Kennett, B. L. N., 1980, Velocity filtering of seismic reflection data: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.46.
- Chun, J. H., and Jacewitz, C. A., 1981, The weathering statics problem and first arrival time surfaces: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:S21.4.
- Chung, H., and Lawton, D. C., 1990, AVO analysis and complex attributes for a glauconitic gas sand bar: *J. Can. Soc. Expl. Geophys.*, **26**, 72–86.
- Chung, H., and Lawton, D. C., 1995, Frequency characteristics of seismic reflections from thin beds: *J. Can. Soc. Expl. Geophys.*, **31**, no. 1/2, 32–37.

- Chyn, J. H., and Jacewitz, C. A., 1980, Automated statics estimation utilizing first-arrival refractions: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:R.16.
- Clark, D. A., and Emerson, D. W., 1991, Notes on rock magnetization characteristics in applied geophysical studies: *Expl. Geophys.*, **22**, no. 03, 547–555.
- Clark, D. A., and Schmidt, P. W., 1993, Palaeomagnetism and magnetic anisotropy of Proterozoic banded-iron formations and iron ores of the Hamersley basin, Western Australia *in* Clark, D., Ed., Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings:: Austr. Soc. Expl. Geophys., 223–226.
- Clark, D. A., Schmidt, P. W., Coward, D. A., and Huddleston, M. P., 1998, Remote determination of magnetic properties and improved drill targeting of magnetic anomaly sources by Differential Vector Magnetometry (dvm) *Expl. Geophys.*, **29**, no. 3/4, 312–319.
- Clark, D. A., 1999, Magnetic petrology of igneous intrusions: implications for exploration and magnetic interpretation: *Expl. Geophys.*, **30**, no. 1/2, 5–26.
- Clowes, R. M., Green, A. G., Yorath, C. J., Kanasewich, E. R., West, G. F., and Garland, G. D., 1984, Lithoprobe - A national program for studying the third-dimension of geology: *J. Can. Soc. Expl. Geophys.*, **20**, no. 01, 23–39.
- Coenraads, R. R., 1989, Evaluation of the natural lagoons of the central province N.S.W.: Are they sapphire-producing maars?: *Expl. Geophys.*, **20**, no. 03, 347–363.
- Coffeen, J. A., 1969, A seismic technique for finding small oil fields: *J. Can. Soc. Expl. Geophys.*, **05**, no. 01, 24–34.
- Cogswell, D., and Harvey, N., 1997, Introducing a new slimhole acoustic televiewer wireline acquisition and interpretation service for the mineral, geotechnical and groundwater industries: *Preview*, , no. 67, 20–25.
- Cole, D. G., 1993, Geomagnetic effects in a high tech society: Forecasting solar-induced geomagnetic disturbances *in* Clark, D., Ed., Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings:: Austr. Soc. Expl. Geophys., 105–110.
- Collins, S., 1991, Standard format for the transmission of gridded data: *Expl. Geophys.*, **22**, no. 04, 593–614.
- Comm[], C. R., 1967, Exploration geophysics - Oil and natural gas: *J. Can. Soc. Expl. Geophys.*, **03**, no. 01, 118–125.
- Conaway, J. G., Killeen, P. G., and Bristow, Q., 1980, Variable formation parameters and nonlinear errors in quantitative bore-hole gamma-ray log interpretation: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:M.11.
- Cooke, D. A., and Schneider, W. A., 1981, Generalized inversion of reflection seismic data: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:S8.5.

- Cooksley, J. W., 1981, Seismic velocity anomalies caused by some types of mineral deposits: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:M4.4.
- Coppa, I., Woodgate, P., and Webb, A., 1998a, Improving the management of dryland salinity in Australia through the national airborne geophysics project *Expl. Geophys.*, **29**, no. 1/2, 230–233.
- Coppa, I., Woodgate, P., and Webb, A., 1998b, Improving the management of dryland salinity in Australia through the national airborne geophysics project *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., *Expl. Geophys.:: Austr. Soc. Expl. Geophys.*, 230–233.
- Corkery, R. W., and Lilley, F. E. M., 1993, Thin sheet electromagnetic modelling of the Australian continental crust *in* Clark, D., Ed., *Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings.:: Austr. Soc. Expl. Geophys.*, 187–190.
- Coulombe, C., Stewart, R., and Jones, M., 1996, AVO processing and interpretation of VSP data: *J. Can. Soc. Expl. Geophys.*, **32**, no. 01, 41–62.
- Crabb, T. N., 1990, Letter from the publications committee: *Expl. Geophys.*, **21**, no. 3/4, 221–222.
- Craig, M., Dickinson, B., and Rodrigues, S., 1999, Correcting aerial gamma-ray survey data for aircraft altitude: *Expl. Geophys.*, **30**, no. 3/4, 161–166.
- Crain, E. R., 1972, Review of gravity and magnetic data processing systems: *J. Can. Soc. Expl. Geophys.*, **08**, no. 01, 54–76.
- Crampin, S., 1993a, Arguments for EDA *J. Can. Soc. Expl. Geophys.*, **29**, no. 01, 18–30.
- Crampin, S., 1993b, A review of the effects of crack geometry on wave propagation through aligned cracks *J. Can. Soc. Expl. Geophys.*, **29**, no. 01, 3–17.
- Cramsie, J. N., 1994, Current and Future Programs of the New South Wales Geological Survey: *Preview*, , no. 49, 40–41.
- Cruz, R. B., 1973, Fundamentals of predictive filtering: *J. Can. Soc. Expl. Geophys.*, **09**, no. 01, 12–26.
- Cucuzza, J., 1993a, Formation evaluation - Research, Enhanced Formation Evaluation Techniques for Australian Geological Conditions: Phase 1-Prioritising the Problems: *Preview*, , no. 46, 34–35.
- Cucuzza, J., 1993b, Orebody Delineation: A summary and discussion of the outcomes from the AMIRA Annual Technical Meeting, Kalgoorlie, September 9, 1993.: *Preview*, , no. 47, 43–45.
- Cucuzza, J., 1993c, Remote Delineation of the Orebody - Application Of Geophysics To The Mining Environment: *Preview*, , no. 45, 43.

- Cucuzza, J., 1995a, ASEG Research Foundation now in its Sixth Year: Preview, , no. 58, 13–15.
- Cucuzza, J., 1995b, Total Quality Management of Collaborative R&D or Tilting At Windmills: Preview, , no. 56, 9–12.
- Cucuzza, J., 1996, New AMIRA project: Image processing and interpretation of airborne EM data for regolith/geological mapping - P476: Preview, , no. 63, 14–15.
- Cull, J., and Chamalaun, F., 1993, Introduction: Land and ocean EM induction studies *in* Clark, D., Ed., Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings:: Austr. Soc. Expl. Geophys., 161–162.
- Cull, L. J., Asten, M. J., and Cull, J. P., 1998, Reflection models and ramp response for downhole TEM data Expl. Geophys., **29**, no. 3/4, 320–323.
- Cull, J. P., 1989, Airborne SIROTEM: Expl. Geophys., **20**, no. 03, 399–402.
- Cull, J., 1993, Magnetotelluric surveys and resistivity profiles in Australia *in* Clark, D., Ed., Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings:: Austr. Soc. Expl. Geophys., 175–178.
- Cull, J. P., 1996a, Rotation and resolution of three-component DHEM data: Expl. Geophys., **27**, no. 2/3, 155–159.
- Cull, J. P., 1996b, Short note sensor response and resolution in downhole TEM data: Expl. Geophys., **27**, no. 2/3, 167–169.
- Cull, J., 1996c, Rotation and resolution of three-component DHEM data: Expl. Geophys., **27**, no. 2/3, 155–159.
- Cull, J., 1996d, SHORT NOTE Sensor response and resolution in downhole TEM data: Expl. Geophys., **27**, no. 2/3, 167–169.
- Curtis, A. D., and Ursin, B., 1980, Practical evaluation of extended array techniques: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:MA.16.
- da Boa, H. M. P., 1981, Maximum entropy spectral analysis of two-dimensional magnetic and gravity anomalies: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:P1.7.
- Dahlberg, E. C., 1977, Qualitative evaluation of exploration maturity and undiscovered target potential by use of a regional screening technique: J. Can. Soc. Expl. Geophys., **13**, no. 01, 19–28.
- Daley, P. F., and Hron, F., 1993, Computation of fully interpreted SH seismograms for coal seams by the ray-reflectivity method: J. Can. Soc. Expl. Geophys., **29**, no. 02, 399–401.
- Das, U. C., and Kumar, R., 1979, Transformation of Wenner to Schlumberger apparent resistivity over layered earth by the application of a digital linear filter: J. Can. Soc. Expl. Geophys., **15**, no. 01, 50–53.

- Das, U., 1996, Direct current electrical potentials in an arbitrarily anisotropic medium: *Expl. Geophys.*, **27**, no. 01, 33–35.
- Davenport, G., 1997, Multi-disciplinary studies in the search for graves: *Preview*, , no. 66, 49.
- Davies, A. L., and McManus, D. A., 1990, Geotechnical applications of downhole sonic and neutron logging for surface coal mining: *Expl. Geophys.*, **21**, no. 1/2, 73–81.
- Davies, R., Crawford, M., Dula, W., Cole, M., and Dorn, G., 1997, Outcrop interpretation of seismic-scale normal faults in southern Oregon: description of structural styles and evaluation of subsurface interpretation methods: *Preview*, , no. 71, 23–28.
- Davis, T. L., 1972, Velocity-density variations around Keg River Reefs Alberta: *J. Can. Soc. Expl. Geophys.*, **08**, no. 01, 1–13.
- Davis, T. L., 1980a, Application of reflection seismology to Mississippian carbonate porosity and direct hydrocarbon detection: *J. Can. Soc. Expl. Geophys.*, **16**, no. 01, 19–25.
- Davis, T. L., 1980b, Field testing of explosive surface seismic sources in the Canadian overthrust belt: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.115.
- Davis, A., 1996, Advances in high definition geophysics: *Preview*, , no. 61, 20–30.
- Dawson, J. G., 1966, A set of programs for processing digital seismic data: *J. Can. Soc. Expl. Geophys.*, **02**, no. 01, 38–54.
- Deeming, T. J., and Taylor, H. L., 1981, Use of an improved 11-norm minimization for wavelet processing of seismic sections: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:S8.6.
- Deeming, T. J., 1981, Deconvolution and reflection coefficient estimation using a generalized minimum entropy principle: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:S21.7.
- Dellinger, J., and Muir, F., 1993, Dix revisited: A formalism for rays in layered media *J. Can. Soc. Expl. Geophys.*, **29**, no. 01, 93–97.
- den Boer, J. C., 1968, Some exploration applications of the two-dimensional Fourier transform: *J. Can. Soc. Expl. Geophys.*, **04**, no. 01, 6–31.
- Denham, L. R., Sheriff, R. E., and Lin, Y., 1980, What is horizontal resolution?: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.17.
- Denham, L. R., 1981a, Automatic design of seismic acquisition parameters: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:S1.3.

- Denham, L. R., 1981b, Extending the resolution of seismic reflection exploration: J. Can. Soc. Expl. Geophys., **17**, no. 01, 43–54.
- Denham, L. R., 1981c, Geophone arrays with variable spacing: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:S20.3.
- Denham, D., 1992, Earthquake attack in the Sydney basin: What is the risk?: Expl. Geophys., **23**, no. 04, 579–587.
- Densmore, A. A., 1970, An interpretation of some magnetotelluric data recorded in northeast British Columbia during 1969: J. Can. Soc. Expl. Geophys., **06**, no. 01, 34–38.
- Densmore, A. A., 1971, A refraction program in northeastern British Columbia: J. Can. Soc. Expl. Geophys., **07**, no. 01, 66–79.
- Dentith, M., and Cowan, D., 1997, Enhancement of aeromagnetic data using grey level co-occurrence matrices: Preview, , no. 69, 12–14.
- Dentith, M. C., Frankcombe, K. F., and Trench, A., 1994, Geophysical signatures of western Australian mineral deposits: An overview: Expl. Geophys., **25**, no. 03, 103.
- Deszcz-Pan, M., Fitterman, D., and Labson, V., 1998a, Reduction of inversion errors in helicopter EM data using auxiliary information *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., Expl. Geophys.: Austr. Soc. Expl. Geophys., 142–146.
- Deszcz-Pan, M., Fitterman, D., and Labson, V., 1998b, Reduction of inversion errors in helicopter EM data using auxiliary information Expl. Geophys., **29**, no. 1/2, 142–146.
- Dhu, T., Dentith, M. C., and Hillis, R. R., 1999, The use of fractal dimension estimators for enhancing airborne magnetic data: Expl. Geophys., **30**, no. 1/2, 33–37.
- Dickson, B., and Taylor, G., 1998a, Noise reduction of aerial gamma-ray surveys Expl. Geophys., **29**, no. 3/4, 324–329.
- Dickson, B. L., and Taylor, G. M., 1998b, Experiences with application of noise reduction techniques to AGRS: Preview, , no. 75, 28.
- Dickson, B., 1997, Relocation of CSIRO gamma-ray calibration pads: Preview, , no. 67, 33.
- Dirboraw, I. N. I., 1981, Advanced data processing software for a microprocessor-based satellite survey receiver: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:S18.1.
- Direen, N., 1997, Geophysical practice at the University of Tasmania: 50 years past... and future?: Preview, , no. 68, 25–28.
- Direen, N. G., 1998, The palaeozoic Koonenberry Fold and Thrust Belt, Western NSW: a case study in applied gravity and magnetic modelling Expl. Geophys., **29**, no. 3/4, 330–339.

- Dirstein, J., 1997, Spectral signatures of the Tubridgi Field, Onshore Carnarvon Basin, Western Australia (reservoir imaging and characterisation: Case history #97-03): Preview, , no. 71, 19–22.
- Disiena, J. P., Byun, B. S., and Fix, J. E., 1980, Vertical seismic profiling - A processing and analysis case study: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:R.19.
- Disiena, J. P., Gaiser, J. E., and Corrigan, D., 1981, Three-component vertical seismic profiles: Orientation of horizontal components for shear wave analysis: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:S5.4.
- Doborzynski, Z., Rentsch, U., Rudniski, D., Brcic, I., and Lafleche, P., 1981, A novel geometry-invariant portable ground electromagnetic reconnaissance system: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:M1.2.
- Domenico, S. N., 1981, Acoustic wave propagation in air bubble streams in water: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:O1.6.
- Dooley, J., and Johnson, D., 1993, Introduction: Geomagnetic applications - Surveying and mapping the field *in* Clark, D., Ed., Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings:: Austr. Soc. Expl. Geophys., 77.
- Dooley, J. C., 1988, Discussion of 'Analysis of a magnetic sphere using the Fourier transform - A new approach', by N. L. Mohan, et al. (egj-13-2-35): Expl. Geophys., **19**, no. 03, 453–455.
- Dooley, J. C., 1990a, Editorial: (engineering geophysics workshop): Expl. Geophys., **21**, no. 1/2, 1–2.
- Dooley, J. C., 1990b, A review of volumes 1 to 20 of the bulletin of Australian society of exploration geophysics / exploration geophysics: Expl. Geophys., **21**, no. 3/4, 223–233.
- Dorn, G. A., 1980, Radiation impedance of vibrating seismic sources: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.111.
- Dorn, G., 1981, Radiation patterns of torsionally vibrating seismic sources: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:S3.2.
- Downey, M. W., 1981, Overview of seals for hydrocarbons: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:AAPG.6.
- Doyle, H. A., 1989, A short history of Australian geophysics: Expl. Geophys., **20**, no. 04, 491.
- Doyle, H. A., 1994, Discussion on 'Earthquake attack in the Sydney basin', by D. Denham (egj-23-4-579-589): Expl. Geophys., **25**, no. 02, 8a.8a.
- Dragoset, B., and Larner, K., 1980, Data enhancement from a 500-channel streamer: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:MA.15.



- Dransfield, M. H., Buckingham, M. J., and van Kann, F. J., 1994, Lithological mapping by correlating magnetic and gravity gradient airborne measurements: *Expl. Geophys.*, **25**, no. 01, 25–30.
- Dransfield, M. H., 1998a, Black Range and Vernon Hill: A comparison of two airborne EM surveys in south east Australia *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., *Expl. Geophys.:: Austr. Soc. Expl. Geophys.*, 218–224.
- Dransfield, M. H., 1998b, Black Range and Vernon Hill: A comparison of two airborne EM surveys in south east Australia *Expl. Geophys.*, **29**, no. 1/2, 218–224.
- Dresen, L., Elsen, R., and Sommer, H., 1981, Locating and mapping of abandoned mine shafts at shallow depths by engineering-geophysical methods: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:E2.7.
- Drummond, B., 1997, The many dimensions of seismic and their role in the minerals industry in the 21st Century: *Preview*, , no. 66, 100.
- Drummond, B. J., 1998, ANSIR - What Does it Mean for Australia: *Preview*, , no. 72, 11–12.
- du Castel, B., and McLellan, S., 1995, GeoFrame: A Commercial POSC Software Integration Platform: *Preview*, , no. 59, 35–38.
- DuBose, J. B. J., 1991, A time-domain process for single trace inversion: *J. Can. Soc. Expl. Geophys.*, **27**, no. 01, 18–22.
- Duckworth, K., and Krebs, E. S., 1994, A method for deriving a pseudo depth section from the response of a two-coil horizontal coplanar coil slingram electromagnetic exploration system: *J. Can. Soc. Expl. Geophys.*, **30**, no. 02, 115–119.
- Duckworth, K., and Krebs, E. S., 1995, The influence of normalization of the performance of horizontal coplanar coil electromagnetic prospecting systems: *J. Can. Soc. Expl. Geophys.*, **31**, no. 1/2, 47–53.
- Duckworth, K., and O'Neill, D., 1989a, Detection of a brine conductor under an oil field by means of a fixed transmitter electromagnetic survey using a Squid magnetometer: *J. Can. Soc. Expl. Geophys.*, **25**, 61–73.
- Duckworth, K., and O'Neill, D., 1989b, Turam responses in a scale model conductive environment for single and paired conductors: *J. Can. Soc. Expl. Geophys.*, **25**, 115–137.
- Duckworth, K., and O'Neill, D., 1992, Comparison of scale-model results with field surveys conducted over the Night Hawk test range using fixed-loop and moving-source electromagnetic systems: *J. Can. Soc. Expl. Geophys.*, **28**, no. 01, 1–5.
- Duckworth, K., Krebs, E. S., Juigalli, J., Rogozinski, A., and Calvert, H. T., 1993, A coincident-coil frequency-domain electromagnetic prospecting system: *J. Can. Soc. Expl. Geophys.*, **29**, no. 02, 411–418.

- Duckworth, K., Krebs, E. S., Aydemir, E. O., and Chung, M., 1995, Benefits of an omnidirectional electromagnetic system in conductivity mapping: *J. Can. Soc. Expl. Geophys.*, **31**, no. 1/2, 38–46.
- Duckworth, K., 1981, Paradoxical resistivity anomalies due to sulphides in sedimentary rocks associated with hydrocarbons (short note): *J. Can. Soc. Expl. Geophys.*, **17**, no. 01, 72–76.
- Duckworth, K., 1983, Electrical surveys in the Alberta foothills: *J. Can. Soc. Expl. Geophys.*, **19**, no. 01, 57–66.
- Duckworth, K., 1986, An electrical anomaly in the Alberta foothills thrust belt: *J. Can. Soc. Expl. Geophys.*, **22**, no. 01, 56–64.
- Duckworth, K., 1988, A modified current-filament model for use in the interpretation of frequency-domain electromagnetic data: *J. Can. Soc. Expl. Geophys.*, **24**, no. 01, 66–71.
- Duckworth, K., 1991, Scale-model studies of the Tx-parallel mode of operation for fixed-loop electromagnetic prospecting systems in a conductive environment: *J. Can. Soc. Expl. Geophys.*, **27**, no. 01, 12–17.
- Duckworth, K., 1992, Detection of brine layers overlying potash mine operations by means of electromagnetic surveys: *J. Can. Soc. Expl. Geophys.*, **28**, no. 02, 109–116.
- Duckworth, K., 1994, The response of a coincident-coil electromagnetic prospecting system to targets located below conductive overburden: *J. Can. Soc. Expl. Geophys.*, **30**, no. 01, 1–10.
- Duff, B. M., and Lepper, C. M., 1980, A high-resolution controlled-source audiomagnetotelluric system for mining applications: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:E.8.
- Duffy, B. J., and Hilterman, F. J., 1980, Stratigraphic analysis of seismic goal models with different depositional environments: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.31.
- Dunbar, T., and Lance, M., 1998, Major improvement in 3D seismic imaging expanding North Sea opportunities: *Preview*, , no. 74, 15–17.
- Duncan, A., Williams, P., Turner, G., Fraser, G., Martin, K., and Wellington, A., 1997, SMARTem: A new electrical methods receiver system: *Preview*, , no. 67, 26–29.
- Duncan, A., Amann, B., O’Keeffe, K., Williams, P., Tully, T., Wellington, A., and Turner, G., 1998, Examples from a new EM and electrical methods receiver system *Expl. Geophys.*, **29**, no. 3/4, 347–354.
- Duncan, P. M., 1985, Modelling marine seismic acquisition systems in the kf domain: *J. Can. Soc. Expl. Geophys.*, **21**, no. 01, 89–97.

- Duncan, G., 1998, Simple versus complicated seismic processing in the Exmouth Sub-basin Expl. Geophys., **29**, no. 3/4, 340–346.
- Dunlop, J. I., 1988, Propagation of acoustic waves in marine sediments, a review: Expl. Geophys., **19**, no. 04, 513–535.
- Dunne, J., and Beresford, G., 1995, A review of the tau-p transform, its implementation and its applications in seismic processing: Expl. Geophys., **26**, no. 01, 19–36.
- Dunne, J., and Beresford, G., 1997, Processing through to stack in the tau-p domain: Expl. Geophys., **28**, no. 03, 341–347.
- Dunne, J., Beresford, G., and Kennett, B., 1995, Detailed elastic modelling to characterise noise contributions to seismic data from the Gippsland basin: Expl. Geophys., **26**, no. 01, 37–44.
- Dunne, J., Beresford, G., and Kennett, B., 1997, Model-based velocity analysis: Expl. Geophys., **28**, no. 03, 349–354.
- Eadie, E. T., and West, G. F., 1980, Optimal use of surface electrical methods for the detection of hydrocarbons: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.121.
- Eaton, D. W. S., 1989, The free surface effect: Implications for amplitude-versus-offset inversion: J. Can. Soc. Expl. Geophys., **25**, 97–103.
- Eaton, P., 1998a, Application of an improved technique for interpreting transient electromagnetic data Expl. Geophys., **29**, no. 1/2, 175–183.
- Eaton, P., 1998b, Application of an improved technique for interpreting transient electromagnetic data *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., Expl. Geophys.: Austr. Soc. Expl. Geophys., 175–183.
- Ebeniro, J., Wilson, C., and Dorman, J., 1980, Propagation of dispersed compressional and Rayleigh waves on the Texas coastal plain: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.83.
- Eby, T. E. F., and Yamashita, M., 1981, A new frequency domain, multifrequency electromagnetic prospecting system: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:M1.1.
- Eby, T. W. F., 1972, The Fourier spectrum of gravity anomalies due to two-dimensional prisms: J. Can. Soc. Expl. Geophys., **08**, no. 01, 14–21.
- Edwards, C. A. M., 1980, Algorithms for 3-D Kirchhoff migration and continuation using vector computers: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.40.
- Eisner, E., 1980, Acoustic reciprocity - A paradox: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:SR.3.

- Elders, J., and Wellington, A., 1998, An application of reverse coupling to increase signal strength beneath conductive sediments-mittel Mine, Kambalda, W.A. *Expl. Geophys.*, **29**, no. 3/4, 355–360.
- Elkington, P., 1996, The acquisition and analysis of slim acoustic scanner log data: *Preview*, , no. 65, 21–32.
- Elliott, P., 1991, An empirical procedure for removal of polarisation effects observed in TEM field data: *Expl. Geophys.*, **22**, no. 04, 575–582.
- Elliott, P., 1995, FLAIRTEM - A Deep Exploration Airborne Electromagnetic Method: *Preview*, , no. 55, 21–24.
- Elliott, P., 1998a, The principles and practice of FLAIRTEM *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., *Expl. Geophys.:: Austr. Soc. Expl. Geophys.*, 58–60.
- Elliott, P., 1998b, The principles and practice of FLAIRTEM *Expl. Geophys.*, **29**, no. 1/2, 58–60.
- Ellis, R. G., 1998a, Inversion of airborne electromagnetic data *Expl. Geophys.*, **29**, no. 1/2, 121–127.
- Ellis, R. G., 1998b, Inversion of airborne electromagnetic data *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., *Expl. Geophys.:: Austr. Soc. Expl. Geophys.*, 121–127.
- Emerson, D., and Yang, Y., 1997a, Effects of water salinity and saturation on the electrical resistivity of clays: *Preview*, , no. 68, 19–24.
- Emerson, D., and Yang, Y., 1997b, Insights from laboratory mass property crossplots: *Preview*, , no. 70, 10–14.
- Emerson, D. W., and Yang, P., 1998a, Physical Properties of Fractured Rock - Bulk Resistivity: *Preview*, , no. 77, 26–27.
- Emerson, D. W., and Yang, Y. P., 1998b, “the Rock Doctor” - Carbon and Conductivity: *Preview*, , no. 72, 22–26.
- Emerson, D. W., Reid, J. E., Clark, D. A., Hallett, M. S. C., and Manning, P. B., 1992, The magnetic and transient electromagnetic responses of drums - Field tests in weathered Hawkesbury sandstone, Sydney basin, NSW: *Expl. Geophys.*, **23**, no. 04, 589–617.
- Emerson, D. W., Mills, K. J., Miyakawa, K., Hallett, M. S., and Cao, L. Q., 1993, The petrophysics, geophysics and structure of the Koongarra site, Northern Territory: *Expl. Geophys.*, **24**, no. 01, 1–71.
- Emerson, D. W., Turner, G. S., and Williams, P. K., 1998, “the Rock Doctor” - P Wave Velocities of Ores in Komatiitic Nickel Sulphide Deposits: *Preview*, , no. 74, 28–33.

- Emerson, D. W., 1990a, Editorial: Our bulletin: *Expl. Geophys.*, **21**, no. 3/4, 219–220.
- Emerson, D. W., 1990b, Notes on mass properties of rocks - Density, porosity, permeability: *Expl. Geophys.*, **21**, no. 3/4, 209–216.
- Emerson, D., 1993, Petrophysics In Exploration: Preview, , no. 46, 11–17.
- Enachescu, M. E., 1988, Extended basement beneath the intracratonic rifted basins of the Grand Banks of Newfoundland: *J. Can. Soc. Expl. Geophys.*, **24**, no. 01, 48–65.
- Enachescu, M. E., 1992, Enigmatic basins offshore Newfoundland: *J. Can. Soc. Expl. Geophys.*, **28**, no. 01, 44–61.
- Endres, A. L., 1998, Estimating the effects of pore geometry and pore fluid species on elastic wave velocity dispersion in rocks using microstructural models *Expl. Geophys.*, **29**, no. 3/4, 361–367.
- Erkhov, V. A., 1990, Deep crustal structure of the Earth and metallogenesis: *Expl. Geophys.*, **21**, no. 3/4, 203–207.
- Espey, H. R., 1981, The 2-D frequency domain-a graphical description: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:S16.6.
- et[] Al Barton, C., 1995, International Geomagnetic Reference Field, 1995 Revision: Preview, , no. 58, 27–30.
- Evans, B., and Urosevic, M., 1998, Mapping dykes using surface and downhole seismic methods *Expl. Geophys.*, **29**, no. 3/4, 368–371.
- Evans, K. G., 1991, Biogenic gas in deltaic sediments, Moreton Bay, Queensland: *Expl. Geophys.*, **22**, no. 03, 509–514.
- Exon, N. F., Hill, P. J., Royer, J. Y., and l'Atalante Shi Pa, R. V., 1994, Spectacular maps and images of an area seabed south and west of Tasmania, three times the size of the island: Preview, , no. 50, 16–19.
- Facer, R. A., 1991, Temperature corrections for bore hole data as part of thermal state, source and maturation investigations of basins: *Expl. Geophys.*, **22**, no. 04, 567–573.
- Fallon, G. N., Andrews, P., Jackson, J. K., and Bartrop, S. B., 1996a, Drillhole electromagnetic surveying in the mine environment: *Expl. Geophys.*, **27**, no. 2/3, 67–75.
- Fallon, G. N., Collins, S., and Bishop, J. R., 1996b, Short note: DHEM and spurious responses: *Expl. Geophys.*, **27**, no. 2/3, 171–174.
- Fallon, G., Andrews, P., Jackson, J., and Bartrop, S., 1996c, Drillhole electromagnetic surveying in the mine environment: *Expl. Geophys.*, **27**, no. 2/3, 67–75.
- Fallon, G., Collins, S., and Bishop, J., 1996d, SHORT NOTE: DHEM and spurious responses: *Expl. Geophys.*, **27**, no. 2/3, 171–174.
- Fawcett, W., 1997, The Mt Todd map kit: Preview, , no. 68, 15.

- Featherstone, W. E., 1995, The global positioning system (gps) and its use in geophysical exploration: *Expl. Geophys.*, **26**, no. 01, 1–18.
- Feir, G. D., 1974, A fixed transit time approach to seismic interval velocity: *J. Can. Soc. Expl. Geophys.*, **10**, no. 01, 62–64.
- Fell, R., 1990, Engineering geophysics - A civil engineer's viewpoint: *Expl. Geophys.*, **21**, no. 1/2, 25–31.
- Ferris, C., 1969, Gravity and compaction anticlines: *J. Can. Soc. Expl. Geophys.*, **05**, no. 01, 72–90.
- Fink, J. B., 1980a, Log pseudosections for IP and resistivity: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:M.3.
- Fink, J. B., 1980b, Warburg impedance - What it is and what it isn't: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:M.30.
- Fitterman, D., and Deszcz-Pan, M., 1998a, Helicopter EM mapping of saltwater intrusion in Everglades National Park, Florida *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., *Expl. Geophys.:: Austr. Soc. Expl. Geophys.*, 240–243.
- Fitterman, D., and Deszcz-Pan, M., 1998b, Helicopter EM mapping of saltwater intrusion in Everglades National Park, Florida *Expl. Geophys.*, **29**, no. 1/2, 240–243.
- Fitterman, D., 1998a, Sources of calibration errors in helicopter EM data *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., *Expl. Geophys.:: Austr. Soc. Expl. Geophys.*, 65–70.
- Fitterman, D., 1998b, Sources of calibration errors in helicopter EM data *Expl. Geophys.*, **29**, no. 1/2, 65–70.
- Fitton, J. C., and Long, J. A., 1967, Reef interpretation by frequency analysis: *J. Can. Soc. Expl. Geophys.*, **03**, no. 01, 5–23.
- Fitzsimons, S., Pollington, M., and Colhoun, E., 1993, Palaeomagnetism of New Zealand glacial deposits *in* Clark, D., Ed., *Third Geomagnetism Workshop - Palaeomagnetism Seminar, Proceedings.:: Austr. Soc. Expl. Geophys.*, 303–304.
- Flis, M., Hawke, P., and McMillan, A., 1998a, The application of multifrequency airborne electromagnetics to iron ore exploration *Expl. Geophys.*, **29**, no. 1/2, 254–258.
- Flis, M., Hawke, P., and McMillan, A., 1998b, The application of multifrequency airborne electromagnetics to iron ore exploration *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., *Expl. Geophys.:: Austr. Soc. Expl. Geophys.*, 254–258.
- Flis, M. F., Butt, A. L., and Hawke, P. J., 1998c, Mapping the range front with gravity - are the corrections up to it? *Expl. Geophys.*, **29**, no. 3/4, 378–383.
- Flowers, B. S., 1975, An overview of exploration geophysics - Recent breakthroughs in geophysics and recognition of challenging new problems: *J. Can. Soc. Expl. Geophys.*, **11**, no. 01, 7–15.

- Foley, C. P., and Leslie, K. E., 1998a, Potential use of high Tc SQUIDS for airborne electromagnetics *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., *Expl. Geophys.:: Austr. Soc. Expl. Geophys.*, 30–34.
- Foley, C. P., and Leslie, K. E., 1998b, Potential use of high Tc SQUIDS for airborne electromagnetics *Expl. Geophys.*, **29**, no. 1/2, 30–34.
- Fonseca, H. L., Davenport, C., Cruz, I., Curiel, S., and de la Pena, A., 1981, Cerro Prieto geothermal field: CFE's geophysical studies: 51st Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:POST.000A.
- Fountain, D., 1998a, Airborne electromagnetic systems - 50 years of development *Expl. Geophys.*, **29**, no. 1/2, 1–11.
- Fountain, D., 1998b, Airborne electromagnetic systems - 50 years of development *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., *Expl. Geophys.:: Austr. Soc. Expl. Geophys.*, 1–11.
- Fowler, J. C., and Hale, S. D., 1980, Coal seam hazard detection using synthetic-pulse radar: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:M.46.
- Frangos, W., and Kolvoord, R. W., 1980, Unusual IP responses due to fine-grained sulfides in sedimentary rocks: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:M.28.
- Frankcombe, K., 1990, Convener's introduction: (engineering geophysics workshop): *Expl. Geophys.*, **21**, no. 1/2, 3–5.
- Fraser, D., and Jain, S., 1988, Exploration for porosity in carbonates - A synthetic-based study: *J. Can. Soc. Expl. Geophys.*, **24**, no. 02, 141–153.
- Fraser, I., 1968, Digital aeromagnetism in petroleum and mineral explorations: *J. Can. Soc. Expl. Geophys.*, **04**, no. 01, 32–45.
- Fricke, J. R., Davis, J. M., and Reed, D. H., 1980, A standard quantitative calibration procedure for marine seismic sources: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.117.
- Friedenreich, O. R., Slind, O. L., Pradhan, U. M. S., and Shrestha, R. B., 1994, Petroleum geology of Nepal: *J. Can. Soc. Expl. Geophys.*, **30**, no. 02, 103–114.
- Fullagar, P. K., and Reid, J. E., 1992, Conductivity - Depth transformations of fixed loop TEM data: *Expl. Geophys.*, **23**, no. 03, 515–520.
- Fulton, T. K., 1980, Mud hazards and seismic data: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:MA.14.
- Furness, P., 1994, Gradient array profiles over conductive veins: *Expl. Geophys.*, **25**, no. 02, 61–70.

- Gabay, S., and Wilson, C. R., 1980, Velocity refinement within a generalized inverse framework: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:R.28.
- Galbraith, M., and MacMinn, C., 1982, Error correction in field recorded seismic data: J. Can. Soc. Expl. Geophys., **18**, no. 01, 23–33.
- Galbraith, J. M., and Millington, G. F., 1979, Low frequency recovery in the inversions of seismograms: J. Can. Soc. Expl. Geophys., **15**, no. 01, 30–39.
- Galbraith, M., 1994, Land 3-D survey design by computer: Expl. Geophys., **25**, no. 02, 71–78.
- Gallagher, K., 1990, Some strategies for estimating present day heat flow from exploration wells, with example: Expl. Geophys., **21**, no. 3/4, 145–159.
- Gallagher, R., 1995, Geographic Information Systems - An Essential Toolbox for Exploration: Preview, , no. 56, 19–27.
- Gangi, A. F., 1980a, Elastic-wave reciprocity: Model experiments: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:SR.6.
- Gangi, A. F., 1980b, Theoretical basis of seismic reciprocity: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:SR.1.
- Garotta, R., Marechal, P., and Magesan, M., 1985, Two-component acquisition as a routine procedure for recording P-waves and converted waves: J. Can. Soc. Expl. Geophys., **21**, no. 01, 40–53.
- Gendzwill, D. J., and Pandit, B. I., 1980, A computer study of electromagnetic sounding in a potash mine: J. Can. Soc. Expl. Geophys., **16**, no. 01, 45–55.
- Gendzwill, D. J., Serzu, M. H., and Lodha, G. S., 1994, High-resolution seismic reflection surveys to detect fracture zones at the AECL underground research laboratory: J. Can. Soc. Expl. Geophys., **30**, no. 01, 28–38.
- Gendzwill, D., 1977, Some nomograms for gravity interpretation of the zero depth step model: J. Can. Soc. Expl. Geophys., **13**, no. 01, 15–18.
- Gendzwill, D. J., 1992, Passive seismic monitoring of hydrofracture and steam injection in heavy oil sands near Fort McMurray, Alberta: J. Can. Soc. Expl. Geophys., **28**, no. 02, 117–127.
- Gendzwill, D. J., 1993, Seismic velocity, fracture density and anisotropy of some Manitoba limestones J. Can. Soc. Expl. Geophys., **29**, no. 01, 153–162.
- Geyer, R. L., 1970, The Vibroseis system of seismic mapping: J. Can. Soc. Expl. Geophys., **06**, no. 01, 39–57.



- Giddings, J. W., and Idnurm, M., 1993, Significance of overprint magnetizations in the palaeoproterozoic Kombolgie formation, western McArthur basin, N.T. *in* Clark, D., Ed., Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings:: Austr. Soc. Expl. Geophys., 231–238.
- Giddings, J. W., Sunata, W., and Pigram, C., 1993, Reinterpretation of palaeomagnetic results from the Bird's Head, Irian Jaya: New constraints on the drift history of the Kemum terrane *in* Clark, D., Ed., Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings:: Austr. Soc. Expl. Geophys., 283–290.
- Gledhill, K. R., 1993a, Shear waves recorded on close-spaced seismographs: I. shear-wave splitting results *J. Can. Soc. Expl. Geophys.*, **29**, no. 01, 285–298.
- Gledhill, K. R., 1993b, Shear waves recorded on close-spaced seismographs: II. the complex anisotropic structure of the Wellington peninsula, New Zealand *J. Can. Soc. Expl. Geophys.*, **29**, no. 01, 299–314.
- Glen, R. A., 1993, Palaeomagnetism and terranes in the Lachlan orogen *in* Clark, D., Ed., Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings:: Austr. Soc. Expl. Geophys., 247–256.
- Gochioco, L. M., and Kelly, J. I., 1990, High-resolution seismic survey to map paleochannels in an underground coal mine: *J. Can. Soc. Expl. Geophys.*, **26**, 87–93.
- Goncharov, A., Collins, C., Petkovic, P., Fomin, T., Pilipenko, V., Drummond, B., and Lee, C.-S., 1998, Ocean-bottom seismograph and conventional reflection surveys in the Petrel Sub-Basin: an integrated seismic study *Expl. Geophys.*, **29**, no. 3/4, 384–390.
- Gorham, S. B., Wilson, C. R., and Land, L. S., 1980, A study of Pleistocene geology using a shallow-water, digital high-resolution reflection system: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:MA.10.
- Graham, G., and Crampin, S., 1993, Shear-wave splitting from regional earthquakes in Turkey *J. Can. Soc. Expl. Geophys.*, **29**, no. 01, 371–379.
- Granger, G. D., 1990, Geophysics in the assessment of road materials borrow sites: *Expl. Geophys.*, **21**, no. 1/2, 111–119.
- Grant, F. S., and Pendergast, J. B., 1971, The acquisition and evaluation of gravity data in the Canadian Arctic Archipelago: *J. Can. Soc. Expl. Geophys.*, **07**, no. 01, 46–65.
- Grasty, B., and Minty, B., 1995, Developments in gamma-ray spectrometry - A one day course: *Preview*, , no. 56, 28.
- Grasty, R. L., 1995, Airborne Radiometrics - Calibration, Consulting Assignment - Dr. R. L. Grasty: *Preview*, , no. 54, 27.
- Grasty, R. L., 1998, Some Thoughts on Multichannel Processing of Airborne Gamma-ray Data: *Preview*, , no. 75, 29.

- Gray, S. H., and Marfurt, K. J., 1995, Migration from topography: Improving the near-surface image: *J. Can. Soc. Expl. Geophys.*, **31**, no. 1/2, 18–24.
- Green, A., 1998a, Altitude correction of time domain AEM data for image display and geological mapping using the Apparent Dipole Depth (add) method *Expl. Geophys.*, **29**, no. 1/2, 87–91.
- Green, A., 1998b, Altitude correction of time domain AEM data for image display and geological mapping using the Apparent Dipole Depth (add) method *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., *Expl. Geophys.:: Austr. Soc. Expl. Geophys.*, 87–91.
- Green, A., 1998c, Subspace projections for multivariate data - Do we use the statistics or the physics?: *Preview*, , no. 75, 28.
- Green, A., 1998d, The use of multivariate statistical techniques for the analysis and display of AEM data *Expl. Geophys.*, **29**, no. 1/2, 77–82.
- Green, A., 1998e, The use of multivariate statistical techniques for the analysis and display of AEM data *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., *Expl. Geophys.:: Austr. Soc. Expl. Geophys.*, 77–82.
- Greenhalgh, S., and Cao, S., 1998, Applied potential modelling of simple orebody structures *Expl. Geophys.*, **29**, no. 3/4, 391–395.
- Greenhalgh, S. A., 1990, Comments on 'Engineering geophysics - A geophysicist's view', by R. J. Whiteley, (p. 7-16), and on the discussion by Palmer and reply by Whiteley, (p. 133-138, this issue): *Expl. Geophys.*, **21**, no. 1/2, 142–143.
- Greenhalgh, S. A., 1993, ASEG research foundation news - Report on the research foundation 1991 funded project: Imaging of subsurface faults walkaway waveguiding - Model experiments: *Preview*, , no. 42, 7–10.
- Gretener, P. E., 1970a, Is there an explanation for the gravity anomalies associated with reefs: *J. Can. Soc. Expl. Geophys.*, **06**, no. 01, 58–63.
- Gretener, P. E., 1970b, Reply to comments on CA 06 01 0058: *J. Can. Soc. Expl. Geophys.*, **06**, no. 01, 67.
- Guest, W. S., and Kendall, J.-M., 1993, Modelling seismic waveforms in anisotropic inhomogeneous media using ray and Maslov asymptotic theory: Applications to exploration seismology *J. Can. Soc. Expl. Geophys.*, **29**, no. 01, 78–92.
- Gunn, P. J., and Meixner, A. J., 1998, The nature of the basement to the Kimberley Bolck, Northwestern Australia *Expl. Geophys.*, **29**, no. 3/4, 506–511.
- Gunn, P. J., Mackey, T., and Meixner, A., 1998, Airborne geophysical signatures of localities of epithermal gold deposits in Fiji: *Preview*, , no. 76, 65–71.
- Gunn, P. J., 1998, Deconvolution of Radiometric Data Using Equivalent Layers: *Preview*, , no. 75, 31.

- Guo, W., Dentith, M. C., Li, Z., and Powell, C. M., 1998, Self demagnetisation corrections in magnetic modelling: some examples *Expl. Geophys.*, **29**, no. 3/4, 396–401.
- Guo, W., Dentith, M. C., Xu, J., and Ren, F., 1999, Geophysical exploration for gold in Gansu Province, China: *Expl. Geophys.*, **30**, no. 1/2, 76–82.
- Gupta, O. P., 1988, A Fourier transform minimization technique for interpreting magnetic anomalies of some two-dimensional bodies: *J. Can. Soc. Expl. Geophys.*, **24**, no. 02, 179–184.
- Hagedoorn, J. G., 1965, The plus-minus method of interpreting seismic refraction sections: *J. Can. Soc. Expl. Geophys.*, **01**, no. 01, 58–82.
- Hajnal, Z., and Reilkoff, B. R., 1980, Reflection data processing in the Athabasca Basin: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.86.
- Hajnal, Z., Pandit, B. I., and Stauffer, M. R., 1988, A practical approach to parameter selection for modelling with the reflectivity method: *J. Can. Soc. Expl. Geophys.*, **24**, no. 02, 101–109.
- Halbouty, M. T., 1966, Needed - Exploration ingenuity: *J. Can. Soc. Expl. Geophys.*, **02**, no. 01, 8–15.
- Hall, J., 1997, Exploration challenges and opportunities in the Far East: *Preview*, , no. 66, 46.
- Hallof, P. G., and Pelton, W. H., 1980, Removal of inductive coupling effects from spectral IP data: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:M.21.
- Hampson, D., and Galbraith, M., 1981, Wavelet extraction by sonic log correlation: *J. Can. Soc. Expl. Geophys.*, **17**, no. 01, 24–42.
- Hampson, D., and Mewhort, L., 1983, Using a vertical seismic profile to investigate a multiple problem in western Canada: *J. Can. Soc. Expl. Geophys.*, **19**, no. 01, 16–33.
- Hampson, D., and Russell, B., 1984, First-break interpretation using generalized linear inversion: *J. Can. Soc. Expl. Geophys.*, **20**, no. 01, 40–54.
- Hampson, D., 1986, Inverse velocity stacking for multiple elimination: *J. Can. Soc. Expl. Geophys.*, **22**, no. 01, 44–55.
- Hanneson, H. E., 1998a, Personal views on the effectiveness of airborne EM in Australian mineral exploration: a client perspective *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., *Expl. Geophys.:: Austr. Soc. Expl. Geophys.*, 259–262.
- Hanneson, H. E., 1998b, Personal views on the effectiveness of airborne EM in Australian mineral exploration: a client perspective *Expl. Geophys.*, **29**, no. 1/2, 259–262.

- Hardwick, C. D., 1996, Aeromagnetic gradiometry in 1995: *Expl. Geophys.*, **27**, no. 01, 1–11.
- Hartley, B., and Loewenthal, D., 1997, An analytical partial solution for the exploding reflector model for scattering of waves from a boundary: *Expl. Geophys.*, **28**, no. 03, 355–360.
- Hartley, B., 1998, Computer algebra solutions for seismic models *Expl. Geophys.*, **29**, no. 3/4, 402–406.
- Harvey, P., and Farebrother, G., 1997, Making data readily accessible: *Preview*, , no. 69, 25–26.
- Harvey, P. J., and MacDonald, D. J., 1990, Seismic modelling of porosity within the Jurassic aged carbonate bank, offshore Nova Scotia: *J. Can. Soc. Expl. Geophys.*, **26**, 54–71.
- Hastie, L. M., and Chant, I. J., 1993, Non-stationary time series analysis - MT applications *in* Clark, D., Ed., *Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings*:: *Austr. Soc. Expl. Geophys.*, 163–166.
- Hatherly, P., Poole, G., Mason, I., Zhou, B., and Bassingthwaite, H., 1998, 3D seismic surveying for coal mine applications at Appin Colliery, NSW *Expl. Geophys.*, **29**, no. 3/4, 407–409.
- Hatherly, P. J., 1980, Computer methods for determining seismic first arrival times: 50th Annual Internat. Mtg., *Soc. Expl. Geophys.*, Reprints, Session:R.14.
- Hatherly, P. J., 1990, Comments on 'Engineering geophysics - A geophysicist's view', by R. J. Whiteley, (p. 7-16), and on the discussion by Palmer and reply by Whiteley, (p. 133-138, this issue): *Expl. Geophys.*, **21**, no. 1/2, 139–142.
- Hatlelid, W. G., and MacDonald, J. R., 1982, Permafrost determination by seismic velocity analysis: *J. Can. Soc. Expl. Geophys.*, **18**, no. 01, 14–22.
- Haye, E. F., 1967, Lateral density contrast - Key to finding reefs with gravity: *J. Can. Soc. Expl. Geophys.*, **03**, no. 01, 24–30.
- Haye, E. F., 1970, Comments on CA 06 01 0058: *J. Can. Soc. Expl. Geophys.*, **06**, no. 01, 64–65.
- Hayles, J., Serzu, M., Lodha, G., Everitt, R., and Tomsens, D., 1996, Cross-hole seismic and single-hole geophysical surveys to characterize an area of moderately fractured granite: *J. Can. Soc. Expl. Geophys.*, **32**, no. 01, 6–23.
- Hayward, D., 1993, 'Well connected' - hooking up to the global network of electronic mail and news: *Preview*, , no. 42, 22–25.
- Head, K. J., Twyman, J. P., and Card, J. D., 1994, Reservoir characterization of the Wilcze field, fore-sudetic monocline, western Poland: *J. Can. Soc. Expl. Geophys.*, **30**, no. 02, 93–102.

- Heinrich, C. A., and Idnurm, M., 1993, Uraniferous quartz-hematite breccias at Mt. painter (south Australia): Palaeomagnetic dating of hydrothermal activity *in* Clark, D., Ed., Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings:: Austr. Soc. Expl. Geophys., 275–276.
- Heinson, G., Constable, S., and White, A., 1993, The electrical conductivity of the lithosphere and asthenosphere beneath the coastline of southern California *in* Clark, D., Ed., Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings:: Austr. Soc. Expl. Geophys., 195–200.
- Heinson, G., White, A., Constable, S., and Key, K., 1999, Marine self potential exploration: Expl. Geophys., **30**, no. 1/2, 1–4.
- Helbig, K., 1980, Modeling of transversely isotropic media by thin isotropic layers: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:R.30.
- Henderson, R., and Russell, M., 1993, SIROTEM Detects Conductive Fluid filled Plastic Drum: Preview, , no. 46, 22.
- Henderson, R., and Russell, M., 1994, Comments on 'SIROTEM Detects Conductive Fluid Filled Plastic Drum', October 1993 Preview No. 46 (p22), with reply by author: Preview, , no. 51, 32–33.
- Henderson, R. J., 1992, Urban geophysics - A review: Expl. Geophys., **23**, no. 04, 531–542.
- Henderson, R., 1993a, Environmental Geophysics - Its Particular Aspects and General Lessons to be Learned from its Practise: Preview, , no. 46, 41.
- Henderson, R., 1993b, More Tributes to Don Emerson: Preview, , no. 42, 3.
- Henderson, R., 1993c, New Developments in the Aeromagnetic Technique for Sedimentary Basin Exploration: Preview, , no. 42, 11–20.
- Henderson, R., 1996, Geophysics courses in South East Asian Tertiary Institutions - a survey: Preview, , no. 64, 27–32.
- Henderson, R., 1998, On Better Communication of Geophysics to Geologists: Preview, , no. 72, 10.
- Hendicks, N., 1998, Geophysical Websites: Preview, , no. 72, 15.
- Hendrick, N., and Hearn, S., 1999, Polarisation Analysis: What is it? Why do you need it? How do you do it?: Expl. Geophys., **30**, no. 3/4, 177.
- Hill, K. A., Cooper, G. T., Richardson, M. J., and Lavin, C. J., 1994, Structural framework of the eastern Otway Basin: Inversion and interaction between two major structural provinces: Expl. Geophys., **25**, no. 02, 79–88.
- Hill, P. J., Exon, N. F., Keene, J. B., and Smith, S. M., 1998, The continental margin off east Tasmania and Gippsland: structure and development using new multibeam sonar data Expl. Geophys., **29**, no. 3/4, 410–419.

- Hillis, R. R., Meyer, J. J., and Reynolds, S. D., 1998, The Australian stress map *Expl. Geophys.*, **29**, no. 3/4, 420–427.
- Hillis, R., 1992, Evidence for Pliocene erosion at Ashmore Reef (timor Sea) from the sonic velocities of neogene limestone formations: *Expl. Geophys.*, **23**, no. 03, 489–496.
- Hinds, R. C., Kuzmiski, R., and Anderson, N. L., 1993, An integrated surface seismic/seismic profile case study: Ricinus field, Alberta, Canada: *J. Can. Soc. Expl. Geophys.*, **29**, no. 02, 440–451.
- Hitchman, A., Lilley, F. E. M., Campbell, W., Chamalaun, F., and Barton, C., 1998, The magnetic daily variation in Australia: dependence of the total-field signal on latitude *Expl. Geophys.*, **29**, no. 3/4, 428–432.
- Hodgkinson, J., 1966, Future prospects for exploration geophysicists: *J. Can. Soc. Expl. Geophys.*, **02**, no. 01, 5–7.
- Hofer, H., Carter, M. D., and McBeath, R. G., 1969, Stratigraphic trap exploration: *J. Can. Soc. Expl. Geophys.*, **05**, no. 01, 53–71.
- Holmes, G. M., Crampin, S., and Young, R. P., 1993, Preliminary analysis of shear-wave splitting in granite at the underground research laboratory, Manitoba *J. Can. Soc. Expl. Geophys.*, **29**, no. 01, 140–152.
- Holt, R. M., Skjaerstein, A., and Storemyr, P., 1993, Acoustic anisotropy of deteriorated soapstone from the Nidaros Cathedral, Trondheim, Norway *J. Can. Soc. Expl. Geophys.*, **29**, no. 01, 266–275.
- Hooper, J. M., 1980, Seismic refraction modeling: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.062A.
- Hoover, G. M., 1980, Influence of the weathered layer on seismic surface source efficiency: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.114.
- Hopgood, D., and Hungerford, N., 1994, Geophysical case history of the discovery of the Aguas Tenidas east massive sulphide deposit, SW Spain: *Expl. Geophys.*, **25**, no. 01, 1–17.
- Hopgood, P. A., 1993, Australian magnetic observatories *in* Clark, D., Ed., Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings:: *Austr. Soc. Expl. Geophys.*, 79–82.
- Hopkins, J., 1975, Gravity gradiometry - A rebirth: *J. Can. Soc. Expl. Geophys.*, **11**, no. 01, 27–37.
- Horn, L., 1998, A New Approach to Clearing Seismic Lines in Queensland: *Preview*, , no. 77, 11–16.

- Horner, R. B., Barclay, J. E., and Macrae, J. M., 1994, Earthquakes and hydrocarbon production in the fort St. John area of northeastern British Columbia: *J. Can. Soc. Expl. Geophys.*, **30**, no. 01, 39–50.
- Hoschke, T., 1991, Geophysical discovery and evaluation of the West Peko copper-gold deposit, Tennant Creek: *Expl. Geophys.*, **22**, no. 03, 485–495.
- Hosken, J. W. J., 1980, A stochastic model of seismic reflections: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.69.
- House, M., Dentith, M., Trench, A., Groves, D., and Miller, D., 1999, Structure of the highly mineralised late-archaeal granitoid-greenstone terrain and the underlying crust in the Kambalda-Widgiemooltha area, Western Australia, from the integration of geophysical datasets: *Expl. Geophys.*, **30**, no. 1/2, 50–67.
- Hryhor, W., 1969, Spread design for maximum multiple attenuation: *J. Can. Soc. Expl. Geophys.*, **05**, no. 01, 7–23.
- Huang, H., and Fraser, D. C., 1998a, Magnetic permeability and electrical resistivity mapping with a multifrequency airborne EM system *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., *Expl. Geophys.:: Austr. Soc. Expl. Geophys.*, 249–253.
- Huang, H., and Fraser, D. C., 1998b, Magnetic permeability and electrical resistivity mapping with a multifrequency airborne EM system *Expl. Geophys.*, **29**, no. 1/2, 249–253.
- Huang, Z., and Williamson, M. A., 1994, Geological pattern recognition and modelling with a general regression neural network: *J. Can. Soc. Expl. Geophys.*, **30**, no. 01, 60–68.
- Huber, R., 1996, GEOMAP 2005 - AIRDATA: Queensland airborne geophysical survey update: *Preview*, , no. 61, 38.
- Hudson, G., 1996, Australian Geoscience Council President's quarterly report September 1996: *Preview*, , no. 64, 36.
- Hughes, N. A., and Ravenhurst, W., 1996a, Three component DHEM surveying at Balcooma: *Expl. Geophys.*, **27**, no. 2/3, 77–89.
- Hughes, N., and Ravenhurst, W., 1996b, Three component DHEM surveying at Balcooma: *Expl. Geophys.*, **27**, no. 2/3, 77–89.
- Hunter, J. A., Burns, R. A., and Good, R. L., 1980, Optimum field techniques for bedrock reflection mapping with the multichannel engineering seismograph: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:E.3.
- Hunter, J. A., 1980, Mating the digital engineering seismograph with the small computer - Some useful techniques: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:E.4.

- Idnurm, M., Giddings, J. W., and Plumb, K. A., 1993, Palaeomagnetism of the south-eastern McArthur basin: Poles, overprints and reversals *in* Clark, D., Ed., Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings:: Austr. Soc. Expl. Geophys., 227–230.
- Igel, H., Mora, P., and Riollet, B., 1993, Anisotropic wave propagation through finite-difference grids *J. Can. Soc. Expl. Geophys.*, **29**, no. 01, 59–77.
- Isaac, J. H., and Stewart, R. R., 1993, 3-D seismic expression of a cryptoexplosion structure: *J. Can. Soc. Expl. Geophys.*, **29**, no. 02, 429–439.
- Iyer, H. M., 1980, Magma Chambers and geothermal energy: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:GT.6.
- Jackson, J. C., Fallon, G. N., and Bishop, J. R., 1996a, DHEM at Isa mine: *Expl. Geophys.*, **27**, no. 2/3, 91–104.
- Jackson, J., Fallon, G., and Bishop, J., 1996b, DHEM at Isa mine: *Expl. Geophys.*, **27**, no. 2/3, 91–104.
- Jackson, P., 1993, New developments in airborne electromagnetics: *Preview*, , no. 44, 15–20.
- Jaggard, S. R., and Fell, P. A., 1988a, Computational technique for the application of the Hilbert transform to frequency domain electrical impedance data: *Expl. Geophys.*, **19**, no. 03, 457–461.
- Jaggard, S. R., and Fell, P. A., 1988b, Forward and inverse Cole-Cole modelling in the analysis of frequency domain electrical impedance data: *Expl. Geophys.*, **19**, no. 03, 463–470.
- Jain, S., and Kelsch, L., 1980, Definition of stratigraphic features via residual, regional, and anomaly coefficient sections: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.78.
- Jain, S., and Wren, A. E., 1977, The application of optimal wavelets in seismic inversion: *J. Can. Soc. Expl. Geophys.*, **13**, no. 01, 3–14.
- Jain, S., Schuur, W., and Curtis, C. E., 1974, Source parameter map - A new aid to aeromagnetic data interpretation: *J. Can. Soc. Expl. Geophys.*, **10**, no. 01, 39–51.
- Jain, S., 1975, A system for real amplitude recovery in land seismic recordings: *J. Can. Soc. Expl. Geophys.*, **11**, no. 01, 55–64.
- Jain, S., 1976, The applications of coherent stack to data dominated by multiples or by incoherent noise: *J. Can. Soc. Expl. Geophys.*, **12**, no. 01, 23–37.
- Jain, S., 1979, Two-dimensional filtering of seismic data: *J. Can. Soc. Expl. Geophys.*, **15**, no. 01, 40–49.



- Jain, S., 1985, Some techniques of enhancing seismic reflection data for stratigraphic interpretation: *J. Can. Soc. Expl. Geophys.*, **21**, no. 01, 15–29.
- Jain, S., 1986a, Some interesting conclusions from a study of Q-attenuation: *J. Can. Soc. Expl. Geophys.*, **22**, no. 01, 17–32.
- Jain, S., 1986b, Suitable environments for inversion techniques - A model study: *J. Can. Soc. Expl. Geophys.*, **22**, no. 01, 7–16.
- Jain, S., 1987, Amplitude-vs-offset analysis - A review with reference to application in western Canada: *J. Can. Soc. Expl. Geophys.*, **23**, no. 01, 27–36.
- Jain, S., 1988a, S-wave velocity and Poisson's ratio from shear-waves observed in normal P-wave data in an offshore basin: *J. Can. Soc. Expl. Geophys.*, **24**, no. 01, 32–47.
- Jain, S., 1988b, Total magnetic field reduction - The pole or equator - A model study (short note): *J. Can. Soc. Expl. Geophys.*, **24**, no. 02, 185–192.
- Jenkins, A. J. O., Messfin, D., and Moon, W., 1983, Gravity modelling of salt domes and pinnacle reefs: *J. Can. Soc. Expl. Geophys.*, **19**, no. 01, 51–56.
- Johnson, D., Hollingsworth, R., McCracken, K., Williams, J., Hall, S., Boyd, D., Langron, W., Hillsdon, P., and Cull, J., 1996, ASEG 25 years on: Preview, , no. 65, 33–42.
- Johnston, R. H., Trofimenkoff, F. N., and Haslett, J. W., 1988, The influence of a conductor with multiple grounds on apparent resistivity surveys: *J. Can. Soc. Expl. Geophys.*, **24**, no. 01, 72–100.
- Johnston, R. H., Trofimenkoff, F. N., and Haslett, J. W., 1989, The influence of a conductor with multiple grounds on induced polarization surveys: *J. Can. Soc. Expl. Geophys.*, **25**, 50–60.
- Jones, L., 1996, Report on the ARC-funded Exploration Geophysics "SUMMIT", Perth, October 10-13, 1996: Preview, , no. 64, 15.
- Justice, J. H., 1986, Interval velocity analysis from VSP surveys: *J. Can. Soc. Expl. Geophys.*, **22**, no. 01, 33–43.
- Kanasewich, E. R., and Havskov, J., 1978, Plate tectonics and the location of oil fields: *J. Can. Soc. Expl. Geophys.*, **14**, no. 01, 29–39.
- Kanasewich, E. R., Burianyk, M. J. A., Dubuc, G. P., Lemieux, J. F., and Kalantzis, F., 1995, Three-dimensional seismic reflection studies of the Albert basement: *J. Can. Soc. Expl. Geophys.*, **31**, no. 1/2, 1–10.
- Katayama, H., Arai, E., Suzuki, T., and Yokokawa, K., 1998, IP tomography test survey in the Barrier Main Lode, Broken Hill, Australia *Expl. Geophys.*, **29**, no. 3/4, 433–439.

- Kay, A., and Duckworth, K., 1983, The effect of permafrost on the induced-polarization response of lead zinc ores: *J. Can. Soc. Expl. Geophys.*, **19**, no. 01, 75–83.
- Kearns, R. K., and Boyd, F. C., 1965, The effect of a marine seismic exploration on fish population in BC coastal waters: *J. Can. Soc. Expl. Geophys.*, **01**, no. 01, 83–118.
- Keating, P., Katsube, J., Kiss, F., and Best, M., 1998a, Airborne conductivity mapping of the Bathurst mining camp *Expl. Geophys.*, **29**, no. 1/2, 211–217.
- Keating, P., Katsube, J., Kiss, F., and Best, M., 1998b, Airborne conductivity mapping of the Bathurst mining camp *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., *Expl. Geophys.:: Austr. Soc. Expl. Geophys.*, 211–217.
- Keehn, N. A., and Kanasewich, E. R., 1987, Attenuation from VSP data collected on Melville Island: *J. Can. Soc. Expl. Geophys.*, **23**, no. 01, 73–84.
- Kelamis, P. G., Kanasewich, E. R., and Abramovici, F., 1982, Synthetic seismograms for simple Alberta models: *J. Can. Soc. Expl. Geophys.*, **18**, no. 01, 43–48.
- Keller, F., Rosenbach, O., Sattlegger, J., and Wenderoth, R., 1980, Interactive interpretation of traveltimes and interval velocities using ISAS: 50th Annual Internat. Mtg., *Soc. Expl. Geophys.*, Reprints, Session:G.25.
- Kelly, I., and Lines, L., 1994, Noise suppression for deconvolution: *J. Can. Soc. Expl. Geophys.*, **30**, no. 02, 120–126.
- Khaksar, A., and Griffiths, C., 1998a, Acoustic velocities as a function of effective pressure in low to moderate porosity shaly sandstones, Part 1 - experimental results *Expl. Geophys.*, **29**, no. 3/4, 447–455.
- Khaksar, A., and Griffiths, C., 1998b, Acoustic velocities as a function of effective pressure in low to moderate porosity shaly sandstones, Part 2 - Implications for hydrocarbon exploration *Expl. Geophys.*, **29**, no. 3/4, 456–461.
- Khaksar, A., and Griffiths, C. M., 1998c, Porosity from sonic log in gas-bearing shaly sandstones: field data versus empirical equations *Expl. Geophys.*, **29**, no. 3/4, 440–446.
- King, M. S., Stauffer, M. R., Yang, H. J. P., and Hajnal, Z., 1988, Elastic-wave and related properties of clastic rocks from the Athabasca Basin western Canada: *J. Can. Soc. Expl. Geophys.*, **24**, no. 02, 110–116.
- King, A., 1996a, Deep drillhole electromagnetic surveys for nickel/copper sulphides at Sudbury, Canada: *Expl. Geophys.*, **27**, no. 2/3, 105–118.
- King, A., 1996b, Deep drillhole electromagnetic surveys for nickel/copper sulphides at Sudbury, Canada: *Expl. Geophys.*, **27**, no. 2/3, 105–118.

- Kirk, R., and Abernethy, S., 1995, Seismic Window: A methodology for establishing structural history using a reconnaissance 3D seismic survey in the Timor Sea: *Preview*, , no. 58, 18.
- Kirk, R., 1993, Seismic Window: Seismic Facies Mapping - Or Why Bother with Onlaps?: *Preview*, , no. 47, 15–17.
- Kirk, B., 1994a, Seismic Windows - Source Rocks on Seismic: *Preview*, , no. 52/53, 42–43.
- Kirk, R., 1994b, Seismic Window: *Preview*, , no. 50, 50–51.
- Kirk, R., 1995a, Seismic Window: *Preview*, , no. 54, 36–37.
- Kirk, R., 1995b, Seismic Window: *Preview*, , no. 57, 75.
- Kirk, R., 1995c, Seismic Window - Joint SEG-AAPG Committee on Seismic Interpretation & Data Integration: *Preview*, , no. 56, 13–16.
- Kirk, R., 1996a, Seismic Window: *Preview*, , no. 64, 32.
- Kirk, R., 1996b, Seismic window: *Preview*, , no. 63, 27.
- Kirk, R., 1996c, Seismic Window: *Preview*, , no. 62, 32.
- Kirk, R., 1996d, Seismic window: *Preview*, , no. 65, 35.
- Kirk, R., 1997a, Seismic window: *Preview*, , no. 69, 19.
- Kirk, R., 1997b, Seismic window: *Preview*, , no. 68, 24.
- Kirk, R., 1998a, Seismic Window: *Preview*, , no. 73, 26.
- Kirk, R., 1998b, Seismic Window: *Preview*, , no. 72, 26.
- Kirk, R., 1998c, Seismic Window: *Preview*, , no. 74, 25.
- Kivior, I., and Boyd, D., 1998, The contribution of high quality aeromagnetic survey data to hydrocarbon exploration *Expl. Geophys.*, **29**, no. 3/4, 462–466.
- Klootwijk, C., Giddings, J., and Pigram, C., 1993, Palaeomagnetic constraints on terrane tectonics: Highlands and Sepik regions, Papua New Guinea *in* Clark, D., Ed., *Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings:: Austr. Soc. Expl. Geophys.*, 291–294.
- Klose, G. W., and Holland, W. G., 1975, Seismic expression of a carbonate-evaporite sequence in northern Alberta Canada: *J. Can. Soc. Expl. Geophys.*, **11**, no. 01, 38–47.
- Knight, R. D., Davis, J. M., Nyman, D. C., and Reed, D. H., 1980, A model study for evaluating the processability of marine source signatures: 50th Annual Internat. Mtg., *Soc. Expl. Geophys.*, Reprints, Session:G.63.

- Knight, J., 1998, Award of the ASEG Gold Medal to Professor S Warren Carey: Preview, , no. 77, 30.
- Konishi, N., 1998a, Landslide surveys in Tertiary soft rock areas using HEM *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., Expl. Geophys.: Austr. Soc. Expl. Geophys., 234–239.
- Konishi, N., 1998b, Landslide surveys in Tertiary soft rock areas using HEM Expl. Geophys., **29**, no. 1/2, 234–239.
- Kormylo, J., and Mendel, J. M., 1980, Maximum-likelihood seismic deconvolution: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.77.
- Kostashuk, G., 1968, Cudas - A method of obtaining moveout velocity and multiple information from routine seismic shooting: J. Can. Soc. Expl. Geophys., **04**, no. 01, 63–72.
- Krebes, E. S., 1987, Reflection and transmission at plane boundaries in nonwelded contact: J. Can. Soc. Expl. Geophys., **23**, no. 01, 66–72.
- Krentz, D. H., and Woods, D. V., 1986, An integrated geophysical investigation of the Fort Frontenac archaeological site in Kingston Ontario: J. Can. Soc. Expl. Geophys., **22**, no. 01, 87–97.
- Krey, T., 1980, Information on structure and physical rock properties derived from stacking velocities: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:GT.8.
- Kristiansson, K., and Malmqvist, L., 1980, A new model mechanism for the transportation of Radon through the ground: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:M.13.
- Kuhn, M. J., 1980, Data collection and data processing for 3-D representation of the subsurface: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.104.
- Kurtz, R. D., Niblett, E. R., Chouteau, M., Scott, W. J., and Newitt, L. R., 1980, An anomalous electrical resistivity zone near Ste. Mathilde Quebec: J. Can. Soc. Expl. Geophys., **16**, no. 01, 56–67.
- Lackie, M. A., and Schmidt, P. W., 1993, Remagnetisation of strata during the Hunter-Bowen orogeny *in* Clark, D., Ed., Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings: Austr. Soc. Expl. Geophys., 269–274.
- Lackie, M. A., 1988, The magnetic fabric of the late Permian Dundee ignimbrite: Expl. Geophys., **19**, no. 04, 481–488.
- Lancaster, P., 1975, An efficient computation of the angle of latitude: J. Can. Soc. Expl. Geophys., **11**, no. 01, 72–73.

- Lane, R., Plunkett, C., Price, A., Green, A., and Hu, Y., 1998a, Streamed data - A source of insight and improvement for time domain airborne EM Expl. Geophys., **29**, no. 1/2, 16–23.
- Lane, R., Plunkett, C., Price, A., Green, A., and Hu, Y., 1998b, Streamed data - A source of insight and improvement for time domain airborne EM *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., Expl. Geophys.: Austr. Soc. Expl. Geophys., 16–23.
- Lawton, D. C., and Bertram, M. B., 1993, Field tests of 3-component geophones J. Can. Soc. Expl. Geophys., **29**, no. 01, 125–131.
- Lawton, D. C., and Harrison, M. P., 1992, A two-component reflection seismic survey, Springbank, Alberta: J. Can. Soc. Expl. Geophys., **28**, no. 01, 30–43.
- Lawton, D. C., 1990, A 9-component refraction seismic experiment: J. Can. Soc. Expl. Geophys., **26**, 7–16.
- Leaman, D. E., Baillie, P. W., and Powell, C. M., 1994, Pre-Cambrian Tasmania: A thin-skinned devil: Expl. Geophys., **25**, no. 01, 19–24.
- Leaman, D., 1996, Are thick volcanic piles concealed in North Australian Proterozoic basins?: Expl. Geophys., **27**, no. 01, 13–20.
- Leaman, D. E., 1998, The gravity terrain correction - practical considerations Expl. Geophys., **29**, no. 3/4, 467–471.
- Leary, P., Igel, H., Mora, P., and Rodrigues, D., 1993, Finite-difference simulation of trapped wave propagation in fracture anisotropic low-velocity layers J. Can. Soc. Expl. Geophys., **29**, no. 01, 31–40.
- Lee, T. J., and Igetik, R., 1994, Transient electromagnetic response of a halfspace with exponential conductivity profile and its application to salinity mapping: Expl. Geophys., **25**, no. 01, 39–51.
- Lee, T. J., and Thomas, L., 1988, A review of the application of analytical methods to the prediction of transient electromagnetic field responses: Expl. Geophys., **19**, no. 03, 423–434.
- Lerwill, W. E., and March, D. W., 1980, Practical application of improved phase control of seismic vibrators: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.112.
- Leven, J. H., and Taylor, F. J., 1989, Cumulative difference statics: Method and application: Expl. Geophys., **20**, no. 03, 365–370.
- Levett, J., and Logan, K. J. F., 1998, Geophysics of the Porgera gold mine, Papua New Guinea Expl. Geophys., **29**, no. 3/4, 472–476.

- Li, P., and Uren, N., 1997, The electrical potential arising from a point source in an arbitrarily anisotropic half-space with regolith cover: *Expl. Geophys.*, **28**, no. 04, 361–362.
- Li, X.-Y., Mueller, M. C., and Crampin, S., 1993a, Case studies of shear-wave splitting in reflection surveys in south Texas *J. Can. Soc. Expl. Geophys.*, **29**, no. 01, 189–215.
- Li, Z. X., Chen, Z., and Powell, C. M., 1993b, New late Palaeozoic palaeomagnetic results from cratonic Australia, and revision of the Gondwanan apparent polar wander path *in* Clark, D., Ed., *Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings*:: Austr. Soc. Expl. Geophys., 263–268.
- Li, R., Okoye, P., and Uren, N., 1998, Inversion of velocity field and anisotropic elastic parameters for layered VTI media *Expl. Geophys.*, **29**, no. 3/4, 477–483.
- Lilley, T., 1993, Introduction: The global geomagnetic field *in* Clark, D., Ed., *Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings*:: Austr. Soc. Expl. Geophys., 127–128.
- Lilly, I., 1994, The benefits of high performance 3D graphics in exploration: *Preview*, no. 49, 23–29.
- Lin, F., and Winch, D. E., 1993, Analysis of POGS satellite data *in* Clark, D., Ed., *Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings*:: Austr. Soc. Expl. Geophys., 89–92.
- Lin, Z., Hatherly, P., Vozoff, K., Engels, O., and Smith, G., 1996, Joint application of seismic and electromagnetic methods to coal characterisation at West Cliff Colliery, New South Wales: *Expl. Geophys.*, **27**, no. 04, 205–215.
- Lindseth, R. O., 1967, The nature of digital seismic processing: *J. Can. Soc. Expl. Geophys.*, **03**, no. 01, 31–111.
- Lines, L., Wu, W.-J., Lu, H.-X., Burton, A., and Zhu, J., 1996, Migration from topography: experience with an Alberta Foothills data set: *J. Can. Soc. Expl. Geophys.*, **32**, no. 01, 24–30.
- Lines, L. R., 1974, A note on the application of Wiener multichannel deconvolution: *J. Can. Soc. Expl. Geophys.*, **10**, no. 01, 65–70.
- Lines, L., 1993, Optimization of seismic migration through use of well information: *J. Can. Soc. Expl. Geophys.*, **29**, no. 02, 419–428.
- Lines, L., 1996, Suppression of short-period multiples - deconvolution or model-based inversion?: *J. Can. Soc. Expl. Geophys.*, **32**, no. 01, 63–72.
- Liu, E., Crampin, S., Queen, J. H., and Rizer, W. D., 1993a, Velocity and attenuation anisotropy caused by microcracks and macrofractures in a azimuthal reverse VSP *J. Can. Soc. Expl. Geophys.*, **29**, no. 01, 177–188.

- Liu, Y., Booth, D. C., Crampin, S., Evans, R., and Leary, P., 1993b, Shear-wave polarizations and possible temporal variations in shear-wave splitting at Parkfield J. Can. Soc. Expl. Geophys., **29**, no. 01, 380–390.
- Liu, G., 1998a, Effect of transmitter current waveform on airborne TEM response Expl. Geophys., **29**, no. 1/2, 35–41.
- Liu, G., 1998b, Effect of transmitter current waveform on airborne TEM response *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., Expl. Geophys.: Austr. Soc. Expl. Geophys., 35–41.
- Loewenthal, D., Wang, C. J., Johnson, O. G., and Juhlin, C., 1991, High order finite difference modelling and reverse time migration: Expl. Geophys., **22**, no. 03, 533–545.
- Loewenthal, D., 1994, Corpsular straight trajectories versus rays in layered media: Expl. Geophys., **25**, no. 01, 53–56.
- Loewenthal, D., 1996, Huygens principle versus exploding reflector - theoretical and numerical aspects: Expl. Geophys., **27**, no. 04, 183–186.
- Loncarevic, Best, M. E., and Kanters, W. A., 1992, Modelling of gravity anomalies in three dimensions using nonlinear optimization: J. Can. Soc. Expl. Geophys., **28**, no. 02, 81–95.
- Lowder, G., 1997, The role of Government in the exploration kitchen: leavening the mix without spoiling the dough: Preview, , no. 66, 48–49.
- Lu, K., and Macnae, J., 1998, The international campaign on intercomparison between electrodes for geoelectrical measurements Expl. Geophys., **29**, no. 3/4, 484–488.
- Luo, X., and Hatherly, P., 1998, Application of microseismic monitoring to characterise geomechanical conditions in longwall mining Expl. Geophys., **29**, no. 3/4, 489–493.
- Luo, X., Hatherly, P., and Fallon, G., 1998, Seismic tomographic determination of ore boundaries at Scuddles Mine in Australia: Preview, , no. 74, 26–27.
- Lyakhovitsky, F. M., 1993, Velocity of P-waves in transversely isotropic media J. Can. Soc. Expl. Geophys., **29**, no. 01, 114–116.
- Lyatsky, H. V., and Lawton, D. C., 1988, Application of the surface reflection seismic method to shallow coal exploration in the plains of Alberta: J. Can. Soc. Expl. Geophys., **24**, no. 02, 124–140.
- Lyonski, J. C., and Sumner, J. S., 1980, The IGSN 71 residual Bouguer gravity anomaly map of Arizona: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.8.
- MacBeth, C., Wild, P., Crampin, S., and Brodov, L. Y., 1993, Optimal acquisition geometry for determining seismic anisotropy J. Can. Soc. Expl. Geophys., **29**, no. 01, 132–139.

- MacCallum, R., and Card, J., 1978, Velocity modelling - The interpreters magnifying glass: *J. Can. Soc. Expl. Geophys.*, **14**, no. 01, 55–65.
- Macgregor, J. P., 1990, Integrated site investigation: *Expl. Geophys.*, **21**, no. 1/2, 125–127.
- Macnae, J., and Irvine, R. J., 1988, Inductive source resistivity: A tool for outlining silicification in gold exploration: *Expl. Geophys.*, **19**, no. 04, 471–480.
- Macnae, J., and Mutton, A., 1996a, Can sulphides be discriminated from conductive slates? A case history at Dugald River: *Expl. Geophys.*, **27**, no. 2/3, 119–130.
- Macnae, J., and Mutton, A., 1996b, Can sulphides be discriminated from conductive slates? A case history at Dugald River: *Expl. Geophys.*, **27**, no. 2/3, 119–130.
- Macnae, J., and Xiong, Z., 1998a, Block modelling as a check on the interpretation of stitched CDI sections from AEM data *Expl. Geophys.*, **29**, no. 1/2, 191–194.
- Macnae, J., and Xiong, Z., 1998b, Block modelling as a check on the interpretation of stitched CDI sections from AEM data *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., *Expl. Geophys.:: Austr. Soc. Expl. Geophys.*, 191–194.
- Macnae, J., King, A., Stolz, N., Osmakoff, A., and Blaha, A., 1998a, Fast AEM data processing and inversion *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., *Expl. Geophys.:: Austr. Soc. Expl. Geophys.*, 163–169.
- Macnae, J., King, A., Stolz, N., Osmakoff, A., and Blaha, A., 1998b, Fast AEM data processing and inversion *Expl. Geophys.*, **29**, no. 1/2, 163–169.
- Macnae, J., Lay, L., and Weston, L., 1998c, Measurement of static shift in MT and CSAMT surveys *Expl. Geophys.*, **29**, no. 3/4, 494–498.
- Macrides, C. G., and Kanasewich, E. R., 1987, Seismic attenuation and Poisson's ratios in oil sands from crosshole measurements: *J. Can. Soc. Expl. Geophys.*, **23**, no. 01, 46–55.
- Majorowicz, A., Jones, F. W., and Ertman, M. E., 1989, Model of terrestrial thermal effects in the area of the crustal electrical conductors of the Williston Basin: *J. Can. Soc. Expl. Geophys.*, **25**, 45–49.
- Mallick, S., Craft, K., Meister, L., and Chambers, R., 1997, Computation of principal directions of azimuthal anisotropy from P-wave seismic data: *Expl. Geophys.*, **28**, no. 04, 379–382.
- Mandelbraum, M. M., and Shamal, A. I., 1990, Methodology of geophysical exploration for oil and gas deposits in Cambrian and pre-cambrian sediments on the Siberian platform: *Expl. Geophys.*, **21**, no. 3/4, 197–201.
- Manning, J., and Steed, J., 1994, Geodetic Coordinate Systems in Australia: Preview, , no. 51, 19–26.



- Margherita, L. V., 1971, Some geological consideration on spectral analysis techniques and their use in the interpretation of the aeromagnetic data over Port Hardy British Columbia: *J. Can. Soc. Expl. Geophys.*, **07**, no. 01, 17–31.
- Marks, L. W., and Hron, F., 1978, Reviews of true amplitude computations in plane-layered structures: *J. Can. Soc. Expl. Geophys.*, **14**, no. 01, 5–20.
- Marschall, R., and Houba, W., 1980, Derivation of two-dimensional two-sided recursive filters: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.73.
- Mason, I. M., Beresford-Smith, G., and Szabo, T., 1980, Prestack migration of multi-component in-seam seismic data: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:M.43.
- Mason, I., 1997, The growing role of geophysics in the management of Australian mines: *Preview*, , no. 66, 100–101.
- Massie, D., 1993, Noise reduction in TEM surveys: *Preview*, , no. 47, 9–12.
- Matsushima, J., Rokugawa, S., Yokota, T., Miyazaki, T., and Kato, Y., 1998, On the relation between the stacking process and resolution of a stacked section in a crosswell seismic survey *Expl. Geophys.*, **29**, no. 3/4, 499–505.
- McCarley, L. A., 1980, An ar filter model for constant Q attenuation: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.90.
- McCracken, K., 1994a, The Imperial Geophysical Experimental Survey - Revisited (history of Geophysics in Australia): *Preview*, , no. 51, 11–13.
- McCracken, K., 1994b, The Imperial Geophysical Experimental Survey - Revisited (part 2): The Field Program (history of Geophysics in Australia): *Preview*, , no. 52/53, 12–16.
- McCreadie, H., and Butcher, E. C., 1993, Preliminary analysis of annual and semi-annual variations of the geomagnetic field *in* Clark, D., Ed., Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings:: *Austr. Soc. Expl. Geophys.*, 151–156.
- McEwin, A. J., 1993, The repeat station network and estimation of secular variation in the Australian region *in* Clark, D., Ed., Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings:: *Austr. Soc. Expl. Geophys.*, 87–88.
- McIntosh, S. M., Gill, J. P., and Mountford, A. J., 1999, The geophysical response of the Las Cruces massive sulphide deposit: *Expl. Geophys.*, **30**, no. 3/4, 123–134.
- McKnight, J. D., and Chamalaun, F. H., 1993, A magnetometer array experiment in New Zealand *in* Clark, D., Ed., Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings:: *Austr. Soc. Expl. Geophys.*, 191–194.

- McLintock, D., Lesieur, G., Portsmouth, J., Brigden, J., Adams, J. R., and McLellan, J. F., 1989, Impact of the north American datum (nad83) redefinition on the petroleum industry: *J. Can. Soc. Expl. Geophys.*, **25**, 36–44.
- McMullan, S. R., McLellan, W. H., and Koosimile, D. I., 1995, Three Dimensional Aeromagnetics: Preview, , no. 57, 83–91.
- McNally, G. H., 1990, The prediction of geotechnical rock properties from sonic and neutron logs: *Expl. Geophys.*, **21**, no. 1/2, 65–71.
- McVicar, B. M., 1968, Digital log analysis - Some multivariate and time-series approaches: *J. Can. Soc. Expl. Geophys.*, **04**, no. 01, 85–114.
- Megallaa, M., 1989, Depth conversion by the use of forward and inverse 2-D raypath modelling and compensation for the heterogeneity of the Earth: *Expl. Geophys.*, **20**, no. 04, 445–467.
- Meixner, E., 1980, Interpretation of 3-D seismic surveys with the help of intelligent terminals: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.30.
- Menk, F. W., 1993, Low latitude geomagnetic pulsations: A user's guide *in* Clark, D., Ed., Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings:: Austr. Soc. Expl. Geophys., 111–114.
- Merland, J., 1973, Wide line profiling in offshore operations: *J. Can. Soc. Expl. Geophys.*, **09**, no. 01, 27–38.
- Merland, J., 1975, Application of seismic modelling to velocity studies: *J. Can. Soc. Expl. Geophys.*, **11**, no. 01, 16–26.
- Merrick, N. P., and Hocking, G., 1992, Detection of earth anchors at building sites: *Expl. Geophys.*, **23**, no. 04, 571–577.
- Merrick, N. P., 1989, A schema for the direct interpretation of electrical resistivity soundings: *Expl. Geophys.*, **20**, no. 04, 469–479.
- Metcalfe, I., 1993, Palaeomagnetic research in southeast Asia: Progress, problems and prospects *in* Clark, D., Ed., Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings:: Austr. Soc. Expl. Geophys., 277–281.
- Middleton, M. F., and Pazsit, I., 1998, Neutron radiography: A technique to support reservoir analysis *Expl. Geophys.*, **29**, no. 3/4, 512–515.
- Milkereit, B., and Spencer, C., 1990, Multiattribute processing of seismic data: Application to dip displays: *J. Can. Soc. Expl. Geophys.*, **26**, 47–53.
- Milkereit, B., 1989, Stacking charts: An effective way of handling survey, quality control and data processing information: *J. Can. Soc. Expl. Geophys.*, **25**, 28–35.
- Millahn, K. O., and Marchall, R., 1980, Two-component in-seam seismics: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:M.42.

- Miller, D., and Greenhalgh, S., 1996, Seismic reflection investigations in the Willochra Basin, South Australia: *Expl. Geophys.*, **27**, no. 04, 197–203.
- Miller, S. L. M., and Stewart, R. R., 1990, Effects of lithology, porosity and shaliness on the P- and S-wave velocities from sonic logs: *J. Can. Soc. Expl. Geophys.*, **26**, 94–103.
- Milligan, P. R., White, A., Heinson, G., and Brodie, R., 1993, Micropulsations and induction array study near Ballarat, Victoria *in* Clark, D., Ed., *Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings*:: *Austr. Soc. Expl. Geophys.*, 117–122.
- Milligan, P. R., 1995, Short-period geomagnetic variations recorded concurrently with an aeromagnetic survey across the bendigo area, Victoria: *Expl. Geophys.*, **26**, no. 04, 527–534.
- Minty, B., and McFadden, P., 1998a, Improved NASVD smoothing of airborne gamma-ray spectra *Expl. Geophys.*, **29**, no. 3/4, 516–523.
- Minty, B. R. S., and McFadden, P. L., 1998b, Improved NASVD Smoothing of Airborne Gamma-ray Spectra: *Preview*, , no. 75, 28.
- Minty, B., Morse, M., and Richardson, M., 1990, Portable calibration sources for airborne gamma-ray spectrometers: *Expl. Geophys.*, **21**, no. 3/4, 187–195.
- Minty, B., Mackey, T., and Grasty, R., 1999, A calibration range in South-Eastern Australia for airborne gamma-ray spectrometers: *Expl. Geophys.*, **30**, no. 1/2, 27–32.
- Minty, B. R. S., 1991, Simple micro-levelling for aeromagnetic data (short note): *Expl. Geophys.*, **22**, no. 04, 591–592.
- Minty, B., 1998, Recent Developments in the Processing of Airborne Gamma-ray Spectrometric Data: *Preview*, , no. 75, 12–24.
- Mitchell, G. G., and Russell, R. D., 1980, A search for nonlinear effects in electrical prospecting methods: *J. Can. Soc. Expl. Geophys.*, **16**, no. 01, 38–44.
- Mogi, T., Tanaka, Y., Kusunoki, K., Morikawa, T., and Jomori, N., 1998a, Development of grounded electrical source airborne transient EM (greatem) *Expl. Geophys.*, **29**, no. 1/2, 61–64.
- Mogi, T., Tanaka, Y., Kusunoki, K., Morikawa, T., and Jomori, N., 1998b, Development of grounded electrical source airborne transient EM (greatem) *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., *Expl. Geophys.*:: *Austr. Soc. Expl. Geophys.*, 61–64.
- Montalbetti, J. F., 1971, Computer determination of seismic velocities - A review: *J. Can. Soc. Expl. Geophys.*, **07**, no. 01, 32–45.

- Moore, D. H., and Maher, S., 1998, Lessons from a case study of a geophysical interpretation in Western Victoria *Expl. Geophys.*, **29**, no. 3/4, 524–530.
- Moore, P., 1993, Gippsland Basin: Opportunities for Further Research: *Preview*, , no. 47, 37–39.
- Moriarty, N., and Taylor, R., 1997, Exploration in the Robe Trough, Otway Basin: *Preview*, , no. 70, 16–24.
- Morris, W. A., 1981, Paleomagnetism of some sulphide occurrences from the south range of the Sudbury Basin: *J. Can. Soc. Expl. Geophys.*, **17**, no. 01, 55–71.
- Morrison, H. F., Becker, A., and Hoversten, G. M., 1998a, The physics of airborne EM systems *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., *Expl. Geophys.:: Austr. Soc. Expl. Geophys.*, 97–102.
- Morrison, H. F., Becker, A., and Hoversten, G. M., 1998b, The physics of airborne EM systems *Expl. Geophys.*, **29**, no. 1/2, 97–102.
- Morrison, D., 1995, History of Geophysics in Australia: Aeromagnetic Operations in Canning Basin, 1955: *Preview*, , no. 59, 11–12.
- Morse, D. J., 1969, Some remarks concerning the Bott-Smith inequalities for depth determinations of gravitating bodies: *J. Can. Soc. Expl. Geophys.*, **05**, no. 01, 91–115.
- Mudge, S. T., 1988, The slope correction method of analysing magnetic data from a sloping survey plane: *Expl. Geophys.*, **19**, no. 04, 489–497.
- Mudge, S., 1994, Excitations - Ratioing Radiometrics and Tidal Gravity: *Preview*, , no. 52/53, 17–18.
- Mudge, S., 1995a, Excitations - Gravity modelling and ER Mapper grids: *Preview*, , no. 54, 28–29.
- Mudge, S., 1995b, Excitations - Increasing the Resource, Reducing the Risk: Geophysical Modelling and Drill Targeting: *Preview*, , no. 57, 80–81.
- Mudge, S., 1995c, Excitations- IP Modelling: *Preview*, , no. 56, 35–37.
- Mudge, S., 1995d, Excitations: Different Anomalies from Different Sources or Different “Kicks” from the Same Body.: *Preview*, , no. 58, 38–40.
- Mudge, S., 1995e, Helicopter magnetic surveys in rugged terrains - Planning, costing, logistics and data processing: *Preview*, , no. 55, 14–18.
- Mudge, S., 1996a, Excitations - Fifty hertz and how it hurts: *Preview*, , no. 60, 14–17.
- Mudge, S., 1996b, Excitations - Line kilometres to hectares - towards a magnetic photograph: *Preview*, , no. 63, 22–23.

- Mudge, S., 1996c, Excitations - Multiparameter drillhole logging or 'getting in touch' with the rocks: *Preview*, , no. 64, 12–14.
- Mudge, S., 1996d, Excitations - Out with AMG and in with MGA - a new mapping system for Australia: *Preview*, , no. 61, 13–17.
- Mudge, S. T., 1996e, Short note the location of TEM transmitter loops underground and in rugged terrain: *Expl. Geophys.*, **27**, no. 2/3, 175–177.
- Mudge, S., 1996f, SHORT NOTE The location of TEM transmitter loops underground and in rugged terrain: *Expl. Geophys.*, **27**, no. 2/3, 175–177.
- Mudge, S., 1997, Excitations - Forces, responses and methodologies: some fundamental concepts in geophysics: *Preview*, , no. 68, 13–15.
- Mudge, S. T., 1998, Crossing the borders: from plains to rugged terrains *Expl. Geophys.*, **29**, no. 3/4, 531–534.
- Muir, T. G., Thompson, L. A., Cox, L. R., Frey, H., and Coble, G. P., 1980, A nonlinear acoustic research tool for oceanographic applications: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:MA.2.
- Mulholland, J. W., 1998, Sequence stratigraphy: Basic elements, concepts, and terminology: *Preview*, , no. 73, 22–26.
- Mutton, P., 1998, The delineation of Coronet West by detailed underground DHEM *Expl. Geophys.*, **29**, no. 3/4, 535–542.
- Nakano, O., Ishii, E., Ozawa, N., Mullard, B., Beckett, J., Robson, D., and Willmore, A., 1998, Examination of the gravity and electromagnetic survey methods applied to coal exploration in the area of the Southern Gunnedah Basin *Expl. Geophys.*, **29**, no. 3/4, 543–549.
- Nakhmkin, S. A., 1967, Theory of controlled directional reception: *J. Can. Soc. Expl. Geophys.*, **03**, no. 01, 112–117.
- Nautiyal, A., 1988, Zero-offset reflection modelling with spatial wavelets: *J. Can. Soc. Expl. Geophys.*, **24**, no. 02, 117–123.
- Nechtschein, S., and Hron, F., 1996, Reflection and transmission coefficients between two anelastic media using asymptotic ray theory: *J. Can. Soc. Expl. Geophys.*, **32**, no. 01, 31–40.
- Nelson, H. R. J., Hilterman, F. J., and Gardner, G. H. F., 1980a, Introduction to interactive 3-D interpretation: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.29.
- Nelson, P. H., Hansen, W. H., and Sweeney, M. J., 1980b, Induced-polarization response of zeolitic conglomerate and carbonaceous siltstone: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:M.26.

- Newman, P., 1980, 3-D acoustic model experiments: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.56.
- Ng, M., 1994, Prestack migration of shot records using phase shift plus interpolation: J. Can. Soc. Expl. Geophys., **30**, no. 01, 11–27.
- Nickel, H., and Cerny, I., 1989, More effective underground exploration for ores using radio waves: Expl. Geophys., **20**, no. 03, 371–377.
- Nickel, N., Sender, F., Thierbach, R., and Weichart, H., 1980, High-frequency electromagnetic tools for the prospection of salt dome structures from boreholes: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.124.
- Niitsuma, H., Tsuyuki, K., and Asanuma, H., 1993, Discrimination of split shear waves by wavelet transform J. Can. Soc. Expl. Geophys., **29**, no. 01, 106–113.
- Nixon, S., 1993, A major CD-ROM Geophysical Software Promotion: Preview, , no. 44, 11–12.
- Noozi, M., and Evans, B., 1993, ASEG Research Foundation News - The Seismic Reflection Process in Anisotropic Media: Preview, , no. 44, 7–10.
- Notfors, C. D., 1999, A comparison of omega-x, PSPI and explicit algorithms for post-stack migration: Expl. Geophys., **30**, no. 3/4, 173–176.
- Nuttli, O. W., 1980, Seismic hazard associated with the New Madrid faulted zone: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:E.9.
- Odins, J., 1992, Geophysical techniques in urban and industrial environments (guest editorial): Expl. Geophys., **23**, no. 04, 529.
- of Minerals & Energy, Q. D., 1995, Geomap 2005 - unlocking Queensland's mineral wealth: Preview, , no. 58, 21–24.
- O'Hara, S. G., 1980, Frequency dependence of attenuation and velocity in rock: Experimental methods: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.89.
- Okoye, P. N., Uren, N. F., and McDonald, J. A., 1998, Accuracy and limitations of the near-offset P-wave NMO velocity estimation in transversely isotropic media Expl. Geophys., **29**, no. 3/4, 550–553.
- Olhoeft, G. R., 1980, Complex resistivity spectra by linear regression analysis: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:M.22.
- Omnes, G., 1978, Exploring with SH-waves: J. Can. Soc. Expl. Geophys., **14**, no. 01, 40–49.
- Oppenheimer, J., and Sumner, J. S., 1980, Gravity modeling of alluvial basins in southern Arizona: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.9.

- Owen, T. E., and Suhler, S. A., 1980, Subsurface void detection using surface resistivity and borehole electromagnetic techniques: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:E.7.
- Owusu, K., and Hilterman, F. J., 1980, Velocity analysis over a 3-D curved boundary: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.67.
- Paish, K., 1993, ASEG research foundation news, report on the ASEG research foundation 1991 funded project: Geophysical studies of the regolith, near Neveoria Southern Cross Greenstone Belt, Western Australia: Preview, , no. 43, 7–9.
- Palmer, D., 1980, An introduction to the generalized reciprocal method of seismic refraction interpretation: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:R.15.
- Palmer, D., 1990a, Discussion on 'Engineering geophysics - A geophysicist's view', by R. J. Whiteley, (this issue, P. 7-16), with reply by author: Expl. Geophys., **21**, no. 1/2, 131–138.
- Palmer, D., 1990b, Generalised reciprocal method - An integrated approach to shallow refraction seismology: Expl. Geophys., **21**, no. 1/2, 33–44.
- Palmer, D., 1992, Addendum to 'Is forward modelling as efficacious as minimum variance for refraction inversion?' (egj-23-1/2-261-266): Expl. Geophys., **23**, no. 03, 521.
- Palmer, D., 1994, The Invisible Geosciences: Preview, , no. 51, 15–16.
- Palmer, D., 1997, Presentation of ASEG Gold Medal to Don Emerson: Preview, , no. 67, 12–13.
- Pant, D. R., Greenhalgh, S. A., and Watson, S., 1988, Seismic reflection scale model facility: Expl. Geophys., **19**, no. 04, 499–511.
- Parkinson, D., 1993, Introduction: Low frequency geomagnetic variations and induction studies *in* Clark, D., Ed., Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings:: Austr. Soc. Expl. Geophys., 145–146.
- Parkinson, W. D., 1999, The influence of time variations on aeromagnetic surveying: Expl. Geophys., **30**, no. 3/4, 113–114.
- Pascoe, L. J., Hron, F., and Daley, P. F., 1988, Computation of shear synthetic seismograms along horizontal and vertical profiles by the Alekseev-Mikhailenko method: J. Can. Soc. Expl. Geophys., **24**, no. 01, 7–15.
- Paterson, N. R., 1974, Canadian mining geophysics - 1974: J. Can. Soc. Expl. Geophys., **10**, no. 01, 9–22.
- Paut, D. R., and Greenhalgh, S. A., 1991, Multicomponent seismic reflection profiling - Some scale model experiments: Expl. Geophys., **22**, no. 03, 515–523.

- Peacock, R. J., 1992, Cavity detection - An engineering application for gravity: *Expl. Geophys.*, **23**, no. 04, 567–570.
- Pears, G. A., and Fullagar, P. K., 1998, Weighted tomographic imaging of radio frequency data *Expl. Geophys.*, **29**, no. 3/4, 554–559.
- Pedersen, L., 1998a, Tensor VLF measurements: Our first experiences *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., *Expl. Geophys.:: Austr. Soc. Expl. Geophys.*, 52–57.
- Pedersen, L., 1998b, Tensor VLF measurements: Our first experiences *Expl. Geophys.*, **29**, no. 1/2, 52–57.
- Peltoniemi, M., Fenning, P., and Annan, P., 1998, Electromagnetic compatibility regulations of the European Commission - problems in sight?: *Preview*, , no. 72, 9.
- Peltoniemi, M., 1998a, Depth of penetration of frequency-domain airborne electromagnetics in resistive terrains *Expl. Geophys.*, **29**, no. 1/2, 12–15.
- Peltoniemi, M., 1998b, Depth of penetration of frequency-domain airborne electromagnetics in resistive terrains *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., *Expl. Geophys.:: Austr. Soc. Expl. Geophys.*, 12–15.
- Peters, A., 1996, Information management systems and their uses for modern 3D land seismic acquisition: *Preview*, , no. 64, 18–26.
- Peterson, F. M., and Reynish, W. C., 1983, Three-D seismic - A cost-effective approach: *J. Can. Soc. Expl. Geophys.*, **19**, no. 01, 7–15.
- Petersons, H. F., 1993, Electromagnetic induction in the Earth using long period geomagnetic variations *in* Clark, D., Ed., *Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings:: Austr. Soc. Expl. Geophys.*, 157–160.
- Pettifer, G., and Lavin, C., 1996a, ASEG membership survey - an overview: *Preview*, , no. 61, 9–10.
- Pettifer, G., and Lavin, C., 1996b, ASEG membership survey 95/96 - in detail: *Preview*, , no. 63, 30–39.
- Pettifer, G., 1994, Bill & Ted's Excellent Joint Venture: *Preview*, , no. 50, 49.
- Pettifer, G., 1997, Clean and green - airborne geophysics for salinity: *Preview*, , no. 69, 20–24.
- Pflueger, J. C., 1982, Multiple reflection analysis in t-t space: *J. Can. Soc. Expl. Geophys.*, **18**, no. 01, 34–42.
- Phipps, G., 1982, Exploring for dolomitized Slave Point Carbonates in northeastern British Columbia: *J. Can. Soc. Expl. Geophys.*, **18**, no. 01, 7–13.
- Pilkington, M., 1998, Magnetisation mapping in rugged terrain *Expl. Geophys.*, **29**, no. 3/4, 560–564.



- Plumb, K. A., 1993, Proterozoic geology of Australia and palaeomagnetism *in* Clark, D., Ed., Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings:: Austr. Soc. Expl. Geophys., 213–218.
- Poikonen, A., Sulkanen, K., Oksama, M., and Suppala, I., 1998a, Novel dual frequency fixed-wing airborne EM system of Geological Survey of Finland (gtk) *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., Expl. Geophys.: Austr. Soc. Expl. Geophys., 46–51.
- Poikonen, A., Sulkanen, K., Oksama, M., and Suppala, I., 1998b, Novel dual frequency fixed-wing airborne EM system of Geological Survey of Finland (gtk) Expl. Geophys., **29**, no. 1/2, 46–51.
- Poley, D. F., and Lawton, D. C., 1991, A model study of multichannel reflection seismic imaging over shallow permafrost in the Beaufort Sea continental shelf: J. Can. Soc. Expl. Geophys., **27**, no. 01, 34–42.
- Poley, D. F., Lawton, D. C., and Blasco, S. M., 1985, Amplitude-offset relationships over shallow velocity inversions: J. Can. Soc. Expl. Geophys., **21**, no. 01, 30–39.
- Pollington, M. J., Colhoun, E. A., and Barton, C. E., 1993, Palaeomagnetism of glacial lake sediments and the ages of Tasmanian glaciations *in* Clark, D., Ed., Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings:: Austr. Soc. Expl. Geophys., 305–310.
- Poster, C., 1983, A comparison of seismic sources for VSPs in a cased well: J. Can. Soc. Expl. Geophys., **19**, no. 01, 34–43.
- Postic, A., Fourmann, J., and Claerbout, J., 1980, Parsimonious deconvolution: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.76.
- Powell, C., and Uren, N., 1996, Exploration geophysics for the 21st century: The Australian perspective: Preview, , no. 65, 43–44.
- Powell, C. M., Li, Z. X., and McElhinny, M. W., 1993, Palaeomagnetic tests of tectonic models of the Tasman fold belt during the neoproterozoic and Palaeozoic *in* Clark, D., Ed., Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings:: Austr. Soc. Expl. Geophys., 243–246.
- Powell, J. A., 1980, Electric transient surveys for hydrocarbon: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.122.
- Pratt, D., 1994, ASEG-GDF2 - A Data Exchange Standard for all Computer Users: Preview, , no. 50, 46–48.
- Prendergast, J. B., and Lee, A. A., 1974, The Narwal II submersible system for seismic data acquisition under the Arctic ice: J. Can. Soc. Expl. Geophys., **10**, no. 01, 52–61.
- Price, A. D., and Dransfield, M. H., 1994, Lithological mapping by correlation of the magnetic and gravity data from Corsair W.A: Expl. Geophys., **25**, no. 04, 197.

- Pridmore, D., 1994, Funding Research and Development in Geophysics, Key Note Address for the ASEG Conference in Perth, Australia 1994: Preview, , no. 50, 41–43.
- Pullen, J. R., and Stroup, W. C., 1977, Geophysics - The exploration bargain: J. Can. Soc. Expl. Geophys., **13**, no. 01, 35–41.
- Qian, W., Holladay, J. S., and Dvorak, Z., 1998a, Automated inversion of broadband multiple transmitter-receiver airborne EM data for the parameters of a small, confined conductor *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., Expl. Geophys.: Austr. Soc. Expl. Geophys., 147–151.
- Qian, W., Holladay, J. S., and Dvorak, Z., 1998b, Automated inversion of broadband multiple transmitter-receiver airborne EM data for the parameters of a small, confined conductor Expl. Geophys., **29**, no. 1/2, 147–151.
- Quilty, P. G., 1999, Geophysics as centrepiece: its role in the Australian Antarctic Territory: Expl. Geophys., **30**, no. 1/2, 68–75.
- Radovich, B., and Levin, F. K., 1980, Instantaneous velocities and reflection times for transversely isotropic solids: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:R.31.
- Raiche, A., 1998a, Modelling the time-domain response of AEM systems *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., Expl. Geophys.: Austr. Soc. Expl. Geophys., 103–106.
- Raiche, A., 1998b, Modelling the time-domain response of AEM systems Expl. Geophys., **29**, no. 1/2, 103–106.
- Rajagopalan, S., and Milligan, P., 1994, Image enhancement of aeromagnetic data using automatic gain control: Expl. Geophys., **25**, no. 04, 173–178.
- Rajagopalan, S., Schmidt, P., and Clark, D., 1993, Rock magnetism and geophysical interpretation of the Black Hill norite, South Australia *in* Clark, D., Ed., Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings:: Austr. Soc. Expl. Geophys., 209–212.
- Rankin, D., and Kao, D., 1978, The delineation of the Superior Churchill transition zone in the Canadian Shield: J. Can. Soc. Expl. Geophys., **14**, no. 01, 50–54.
- Rao, D. B., and Prakash, M. J., 1990, Interpretation of gravity anomalies over an inclined fault of finite strike length with quadratic density function: Expl. Geophys., **21**, no. 3/4, 169–173.
- Rauch, M., and Collins, E., 1998, The Greenshank anomaly - An AVO case history Expl. Geophys., **29**, no. 3/4, 565–569.
- Reeves, C., and Dodd, S., 1993, Introduction: Geomagnetic variations, high frequencies and aeromagnetic effects *in* Clark, D., Ed., Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings:: Austr. Soc. Expl. Geophys., 103–106.

- Reeves, J. J., and Major, M. W., 1980, Seismic seam waves in the coal basin of Colorado: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:M.48.
- Reeves, C. V., 1993a, 'Ground-truth' in aeromagnetism *in* Clark, D., Ed., Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings:: Austr. Soc. Expl. Geophys., 207–208.
- Reeves, C. V., 1993b, Limitations imposed by geomagnetic variations on high quality aeromagnetic surveys *in* Clark, D., Ed., Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings:: Austr. Soc. Expl. Geophys., 115–116.
- Reeves, E., 1998, 'Compton Counting' and Noise Reduction: Preview, , no. 75, 32.
- Regueiro, J., 1980, Hole-to-hole seismic seam wave study in the Zulia coal basin, northwest Venezuela: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:M.45.
- Reid, J. E., and Fullagar, P. K., 1998, Conductivity-depth transformation of slingram transient electromagnetic data Expl. Geophys., **29**, no. 3/4, 570–576.
- Reynolds, G. A., 1995, Discussion on: Geophysical case history of the discovery of the Aguas Tenidas east massive sulphide deposit, SW Spain: Expl. Geophys., **26**, no. 04, 547–548.
- Rice, R. B., Allen, S. J., Gant, O. J. J., Hodgson, R. N., Larson, D. E., Lindsey, J. P., Patch, J. R., LaFehr, T. R., Pickett, G. R., Schneider, W. A., White, J. E., and Roberts, J. C., 1980, Developments in exploration geophysics, 1975-1980: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.1.
- Richardson, J. G., 1980, Reservoir description needs - A reservoir engineer's perspective: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:R.3.
- Ridsdill-Smith, T. A., 1998, Separation filtering of aeromagnetic data using filter-banks Expl. Geophys., **29**, no. 3/4, 577–583.
- Robein, E., and Komatitsch, J. M., 1980, How to correct seismic data to improve seismic impedance logs: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:R.26.
- Robson, D., 1998, Positive impacts and future direction of Discovery 2000 Expl. Geophys., **29**, no. 3/4, 584–591.
- Rohde, J., and Sattlegger, J., 1980, Migration of time contour maps using downward continuation: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.16.
- Rommel, B. E., 1993, Approximate stacking velocities in a weakly transversely isotropic layer J. Can. Soc. Expl. Geophys., **29**, no. 01, 98–105.

- Rosenbaum, J. H., and Boudreaux, G. F., 1980, Rapid convergence of some seismic processing algorithms: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.41.
- Rowlands, H. J., Booth, D. C., and Chiu, J.-M., 1993, Shear-wave splitting from microearthquakes in the New Madrid seismic zone J. Can. Soc. Expl. Geophys., **29**, no. 01, 352–362.
- Roy, I., and Chakraborty, K., 1997, Inverse gravity modelling (igm) - a perspective of four decades: Preview, , no. 67, 30–33.
- Roy, K., and Dutta, D., 1996, Normal and lateral log response for a 2-D borehole model: Expl. Geophys., **27**, no. 04, 223–227.
- Roy, K. K., Bhattacharyya, J., and Mukherjee, K. K., 1994, Resistivity and induced polarisation sounding for location of saline water pockets: Expl. Geophys., **25**, no. 04, 207–211.
- Rumbens, A. J., 1990, Detection of cavities in karstic terrain: Road subsidence - Snowy Mountains Highway near Yarrangobilly, NSW: Expl. Geophys., **21**, no. 1/2, 121–124.
- Runcorn, S. K., 1993a, Geomagnetic reversal transitions and 'D' layer *in* Clark, D., Ed., Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings:: Austr. Soc. Expl. Geophys., 135–138.
- Runcorn, S. K., 1993b, Old palaeomagnetism and future trends *in* Clark, D., Ed., Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings:: Austr. Soc. Expl. Geophys., 203–206.
- Russell, R., 1996, Speculations on Biot “slow” waves: J. Can. Soc. Expl. Geophys., **32**, no. 01, 1–5.
- Ruszkowski, P., 1998, An analysis of the Broken Hill exploration initiative petrophysical database Expl. Geophys., **29**, no. 3/4, 592–596.
- Rutter, H., 1994, President’s page: ‘Has the ASEG come of age? ’: Expl. Geophys., **25**, no. 01, 9a.9a.
- Ryu, J. V., 1980, Decomposition of seismic gathers into velocity components by a space-time filter: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.42.
- Ryu, J. V., 1999, Some aspects on seismic processing of wide-aperture data: Expl. Geophys., **30**, no. 1/2, 96–99.
- S, A. N. S., and Y, L. C., 1999, Detection of man-made voids by 2D & 3D geoelectrical imaging surveys: Expl. Geophys., **30**, no. 3/4, 141–146.

- Samuelsson, J., and Middleton, M. F., 1998, A thermal maturation study of the Carnarvon Basin, Australia and the northern North Sea, *Europe Expl. Geophys.*, **29**, no. 3/4, 597–604.
- Sandberg, S. K., and Hohmann, G. W., 1980, Controlled-source audiomagnetotellurics in geothermal exploration: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:GT.12.
- Sarma, B., and Verma, B., 1996, Negative magnetisation contrast in kimberlite search: *Expl. Geophys.*, **27**, no. 01, 21–24.
- Sass, J. H., and Mase, C. W., 1980, The downhole heat-flow probe as a geophysical exploration tool: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:GT.9.
- Sattel, D., 1998a, Conductivity information in three dimensions *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., *Expl. Geophys.:: Austr. Soc. Expl. Geophys.*, 157–162.
- Sattel, D., 1998b, Conductivity information in three dimensions *Expl. Geophys.*, **29**, no. 1/2, 157–162.
- Sattel, D., 1998c, Improving conductivity models using on-time EM data *Expl. Geophys.*, **29**, no. 3/4, 605–608.
- Savage, P. J., 1966, Some problems involved in seismic data-processing: *J. Can. Soc. Expl. Geophys.*, **02**, no. 01, 16–21.
- Savino, J. M., Rodi, W. L., Masso, J. F., and Jordan, T. H., 1980, Simultaneous generalized inversion of multiple geophysical data sets for earth structure: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:R.22.
- Sawatzky, H. B., 1972, Viewfield - A producing fossil crater: *J. Can. Soc. Expl. Geophys.*, **08**, no. 01, 22–40.
- Sawatzky, H. B., 1974, Astroblemes in the Williston Basin: *J. Can. Soc. Expl. Geophys.*, **10**, no. 01, 23–38.
- Schaefer, M., Gingerich, J., and Lemieux, J., 1998a, Case study: The evolution of airborne time domain electromagnetic applications for geologic mapping; a Noranda perspective *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., *Expl. Geophys.:: Austr. Soc. Expl. Geophys.*, 204–210.
- Schaefer, M., Gingerich, J., and Lemieux, J., 1998b, Case study: The evolution of airborne time domain electromagnetic applications for geologic mapping; a Noranda perspective *Expl. Geophys.*, **29**, no. 1/2, 204–210.
- Schmidt, P., and Clark, D., 1994, Non-uniqueness And Next Generation Magnetics: Preview, , no. 51, 29–31.

- Schmidt, P., and Clark, D., 1997, Directions of magnetisation and vector anomalies derived from total field surveys: *Preview*, , no. 70, 30–32.
- Schmidt, P. W., and Clark, D. A., 1998, The calculation of magnetic components and moments from TMI: A case study from the Tuckers igneous complex, Queensland *Expl. Geophys.*, **29**, no. 3/4, 609–614.
- Schmidt, P. W., Clark, D. A., Coward, D. A., and Huddleston, M. P., 1993a, Development and application of differential vector magnetometers *in* Clark, D., Ed., *Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings*:: *Austr. Soc. Expl. Geophys.*, 123–126.
- Schmidt, P. W., Clark, D. A., and Rajagopalan, S., 1993b, An historical perspective of the early Palaeozoic APWP of Gondwana: New results from the early Ordovician Black Hill norite, South Australia *in* Clark, D., Ed., *Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings*:: *Austr. Soc. Expl. Geophys.*, 257–262.
- Schmidt, P. W., Embleton, B. J. J., and Williams, G. E., 1993c, Early timing of remanence in haematite of the neoproterozoic Elatina formation, Adelaide geosyncline: Confirmation of the low palaeolatitude of neoproterozoic glaciation *in* Clark, D., Ed., *Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings*:: *Austr. Soc. Expl. Geophys.*, 239–242.
- Schneider, M., 1998a, Case Studies in Principal Component Analysis and Development in Calibration Techniques: *Preview*, , no. 75, 29.
- Schneider, M., 1998b, Multi-channel Gamma-ray Spectrometric Correction and Calibration Techniques: *Preview*, , no. 73, 15–20.
- Schultz, P. S., 1980, Method for direct estimation of interval velocities in the near surface: 50th Annual Internat. Mtg., *Soc. Expl. Geophys.*, Reprints, Session:G.68.
- Scott, W. J., and Maxwell, F. K., 1989, Marine resistivity survey for granular materials, Beaufort Sea: *J. Can. Soc. Expl. Geophys.*, **25**, 104–114.
- 1980, Source-and-receiver locations: 50th Annual Internat. Mtg., *Soc. Expl. Geophys.*, Reprints, Session:SR.7.
- Seiberl, W., Ahl, A., and Winkler, E., 1998a, Interpretation of airborne electromagnetic data with neural networks *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., *Expl. Geophys.*:: *Austr. Soc. Expl. Geophys.*, 152–156.
- Seiberl, W., Ahl, A., and Winkler, E., 1998b, Interpretation of airborne electromagnetic data with neural networks *Expl. Geophys.*, **29**, no. 1/2, 152–156.
- Seigel, H. O., Ehrat, R., and Brcic, I., 1980, Microprocessor-based advances in time-domain IP data collection and in-field processing: 50th Annual Internat. Mtg., *Soc. Expl. Geophys.*, Reprints, Session:M.20.

- Sengpiel, K., and Siemon, B., 1998a, Examples of 1-D inversion of multifrequency HEM data from 3-D resistivity distributions *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., *Expl. Geophys.:: Austr. Soc. Expl. Geophys.*, 133–141.
- Sengpiel, K., and Siemon, B., 1998b, Examples of 1-D inversion of multifrequency HEM data from 3-D resistivity distributions *Expl. Geophys.*, **29**, no. 1/2, 133–141.
- Sengupta, S., and Chacko, S., 1976, Interpretation of the anomalous magnetic fields generated by a uniformly magnetized sphere using Fourier integrals: *J. Can. Soc. Expl. Geophys.*, **12**, no. 01, 56–63.
- Sengupta, R., 1975, Interpretation of magnetic anomalies of a two-dimensional fault by Fourier integral: *J. Can. Soc. Expl. Geophys.*, **11**, no. 01, 65–71.
- Shahriar, M., Hron, F., and Cumming, G. L., 1987, Linearized inversion of seismic amplitude data: *J. Can. Soc. Expl. Geophys.*, **23**, no. 01, 56–65.
- Shalley, M., 1997, Early geophysical exploration at Mount Isa Part I: The Beginnings: *Preview*, , no. 69, 15–19.
- Sheard, S., 1997, Electrical geophysics - where to from here?: *Preview*, , no. 66, 101–103.
- Sheen, M. J., 1980, Seismic source synchronization: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.116.
- Sheriff, R. E., and Fellow, H. W., 1993, The Role of Reservoir Geophysics: *Preview*, , no. 43, 11–12.
- Sheriff, R. E., 1980, Advertisements in geophysics - A history: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.2.
- Shugart, T. R., 1971, Some factors affecting the precision of delta-t velocity determinations: *J. Can. Soc. Expl. Geophys.*, **07**, no. 01, 7–16.
- Sicking, C. J., 1980, Windowing and estimation variance in deconvolution: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.75.
- Siggins, A. F., and Fitzgerald, D., 1995, Real-Time, Mine-Based Seismic Monitoring: *Preview*, , no. 54, 15–18.
- Siggins, A. F., 1990a, Ground-penetrating radar in geotechnical applications: *Expl. Geophys.*, **21**, no. 3/4, 175–186.
- Siggins, A. F., 1990b, A radar investigation of fracture in a granite outcrop: *Expl. Geophys.*, **21**, no. 1/2, 105–110.
- Simmons, V. P., and Einzig, R. E., 1980, Fiber optic sensors - A new use for optical fibers: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.36.

- Singer, B., and Green, A., 1998a, Generalisation of the transient field solution for a thin layer of finite thickness *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., *Expl. Geophys.:: Austr. Soc. Expl. Geophys.*, 195–197.
- Singer, B., and Green, A., 1998b, Generalisation of the transient field solution for a thin layer of finite thickness *Expl. Geophys.*, **29**, no. 1/2, 195–197.
- Singh, R. P., Rawat, S., and Chandra, K., 1999, Hydrocarbon potential in Indian deep waters: *Expl. Geophys.*, **30**, no. 1/2, 83–95.
- Sketchley, D. A., and Clowes, R. M., 1976, A gravity survey of the igneous body at Little Mountain Vancouver BC: *J. Can. Soc. Expl. Geophys.*, **12**, no. 01, 64–74.
- Sukec, A. G., 1994, A structural model of a graben boundary fault system, Sirte Basin, Libya: Compaction structures and transfer zones: *J. Can. Soc. Expl. Geophys.*, **30**, no. 02, 84–92.
- Slater, C., Crampin, S., Brodov, L. Y., and Kruznetsov, V. M., 1993, Observations of anisotropic cusps in transversely isotropic clay *J. Can. Soc. Expl. Geophys.*, **29**, no. 01, 216–226.
- Slater, K., 1997, Clean and green - the application of radiometric data for soil mapping: *Preview*, , no. 71, 14–18.
- Smith, R., and Annan, P., 1998a, The use of B-field measurements in an airborne time-domain system: Part 1: Benefits of B field versus db/dt data *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., *Expl. Geophys.:: Austr. Soc. Expl. Geophys.*, 24–29.
- Smith, R., and Annan, P., 1998b, The use of B-field measurements in an airborne time-domain system: Part 1: Benefits of B field versus db/dt data *Expl. Geophys.*, **29**, no. 1/2, 24–29.
- Smith, A. F., and Miller, J. E., 1980, Gas and oil exploration in Devonian shale areas of the Appalachians using enhanced Landsat imagery and geologic data: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.102.
- Smith, R. J., and Pridmore, D. F., 1989, Exploration in weathered terrains - 1989 perspective: *Expl. Geophys.*, **20**, no. 04, 411–434.
- Smith, R. S., and West, G. F., 1988, An explanation of abnormal TEM responses: Coincident-loop negatives, and the loop effect: *Expl. Geophys.*, **19**, no. 03, 435–446.
- Smith, R. D., Warren, R. D., Clements, R. M., and Topham, D. R., 1992, Mechanics of underwater sound from a pulsed plasma jet: *J. Can. Soc. Expl. Geophys.*, **28**, no. 02, 96–108.
- Smith, R., 1998a, On the effect of varying the pulse width to detect high conductance bodies *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., *Expl. Geophys.:: Austr. Soc. Expl. Geophys.*, 42–45.



- Smith, R., 1998b, On the effect of varying the pulse width to detect high conductance bodies *Expl. Geophys.*, **29**, no. 1/2, 42–45.
- Smith, R. S., 1999, On the airborne transient EM response of a magnetic anomaly: *Expl. Geophys.*, **30**, no. 3/4, 157–160.
- Soininen, H., Jokinen, T., Oksama, M., and Suppala, I., 1998a, Sea ice thickness mapping by airborne and ground EM methods *Expl. Geophys.*, **29**, no. 1/2, 244–248.
- Soininen, H., Jokinen, T., Oksama, M., and Suppala, I., 1998b, Sea ice thickness mapping by airborne and ground EM methods *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., *Expl. Geophys.:: Austr. Soc. Expl. Geophys.*, 244–248.
- Sood, R., Panettieri, J., and Grey, D., 1993, Geomagnetic field based orientation systems for balloon-borne astronomy payloads *in* Clark, D., Ed., *Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings:: Austr. Soc. Expl. Geophys.*, 99–102.
- Spencely, A., 1997, Reflections on Saudi Arabia: Preview, , no. 70, 27–28.
- Spies, B., Raiche, A., Macnae, J., Slade, J., and Munday, T., 1997, CRC AMET research programs - from airborne to ground truth: Preview, , no. 66, 98–99.
- Spies, B., 1998, Conferences - AEM 98 - “A Roaring Success”: Preview, , no. 73, 29–30.
- Sprenke, K. F., and Kanasevich, E. R., 1982, Gravity modelling and isostasy in western Canada: *J. Can. Soc. Expl. Geophys.*, **18**, no. 01, 49–57.
- Sprigg, R., 1993, History of Geophysics - Geosurveys Australia Ltd: Preview, , no. 47, 41–42.
- Stacey, F., 1993, Some fundamental questions about the Earth’s core and the geomagnetic field *in* Clark, D., Ed., *Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings:: Austr. Soc. Expl. Geophys.*, 129–134.
- Staff, 1991, Obituary - Edward Robert (bob) Smith: *Expl. Geophys.*, **22**, no. 04, 615.
- Staff, 1993, Mines and Energy, South Australia: Preview, , no. 45, 17–32.
- Staff, 1994a, Department of Energy and Minerals - Initiatives and Activities to Stimulate Exploration in Victoria 1994-1997: Preview, , no. 50, 23–38.
- Staff, 1994b, Discovery 2000 - a NEW Beginning. Exploration Initiatives For New South Wales: Preview, , no. 52/53, 21–32.
- Staff, 1994c, A Fortunate Life in Seismic - An Interview with Bob Sheriff: Preview, , no. 52/53, 35–40.
- Staff, 1994d, From satellites to SIROTEM - Interview with Ken McCracken: Preview, , no. 48, 8–12.

- Staff, 1994e, Sweden to Denmark bridge - Seismic survey. new ABEM Terraloc Mark 6 seismograph employed: *Preview*, , no. 51, 33–35.
- Staff, 1995a, 13th Australian Geological Convention and AGSO Jubilee Symposium 'Geoscience and the Community, Monday 19-Friday 23 February 1996, Canberra: *Preview*, , no. 54, 6.
- Staff, 1995b, 1995 Australian Prize For Scientists Who Showed Earth In New Light: *Preview*, , no. 55, 29–33.
- Staff, 1995c, AMIRA Geophysical R&D Initiatives: *Preview*, , no. 57, 49.
- Staff, 1995d, A Fortunate Life in Seismic - An Interview with Bob Sheriff (part 2): *Preview*, , no. 54, 30–34.
- Staff, 1996, PetroBank offers solution to the E&P data mountain: *Preview*, , no. 63, 25–28.
- Stanley, J. M., and Cattach, M. K., 1990, The use of high-definition magnetics in engineering site investigation: *Expl. Geophys.*, **21**, no. 1/2, 91–103.
- Stapledon, D., 1990, Engineering geophysics - A geologist's view: *Expl. Geophys.*, **21**, no. 1/2, 17–24.
- Steinhauser, P., Meurers, B., and Ruess, D., 1990, Gravity investigations under extreme mountainous conditions: *Expl. Geophys.*, **21**, no. 3/4, 161–168.
- Stevens, B. P. J., 1999, Magnetic susceptibility mapping at Broken Hill, Australia: *Expl. Geophys.*, **30**, no. 3/4, 105–112.
- Stewart, R. R., and Chiu, S. K. L., 1986, Tomography-based imaging of a heavy oil reservoir using well-logs VSP and Three-D seismic data: *J. Can. Soc. Expl. Geophys.*, **22**, no. 01, 73–86.
- Stewart, R. R., 1985, Median filtering - Review and a new f/k analogue design: *J. Can. Soc. Expl. Geophys.*, **21**, no. 01, 54–63.
- Stickland, P., Beresford, G., and Mair, D., 1991, Improving velocity analysis beneath a submarine canyon using velocity re-datuming: *Expl. Geophys.*, **22**, no. 04, 583–589.
- Stockwell, J. W., 1998, Free Software in Education: A case study of CWP/SU: *Seismic Un\*x*: *Preview*, , no. 74, 18–23.
- Stolt, R. H., and Jacobs, A., 1980, On the solubility of the seismic inversion problem in a laterally inhomogeneous medium: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:R.8.
- Stolz, E., and Macnae, J., 1997, Fast approximate inversion of TEM data: *Expl. Geophys.*, **28**, no. 03, 317–322.
- Stolz, N., 1997, Geophysical time warp discovered at North Ryde (or should AEM be used for bump picking or for geological mapping?): *Preview*, , no. 68, 29–31.

- Stone, D. G., 1980, Statistical relations between borehole and surface data: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:R.18.
- Streets, R. B. J., 1969, Variation of radio star and satellite scintillations with sunspot number and geomagnetic latitude: J. Can. Soc. Expl. Geophys., **05**, no. 01, 35–52.
- Sugeng, F., 1998, Modelling the 3D TDEM response using the 3D full-domain finite-element method based on the hexahedral edge-element technique Expl. Geophys., **29**, no. 3/4, 615–619.
- Sun, X., 1997, Structural style of the Warburton Basin and control in the Cooper and Eromanga Basins, South Australia: Expl. Geophys., **28**, no. 03, 333–339.
- Sutarno, D., and Vozoff, K., 1989, Robust M-estimation of magnetotelluric impedance tensors: Expl. Geophys., **20**, no. 03, 383–398.
- Sutherland, A., 1993, The Principles and Applications of Waveform Sonics: Preview, , no. 46, 25–34.
- Suthers, B., and Hearn, S., 1997, Shear-wave splitting analysis of multi-offset coal VSPs in the Bowen Basin: Expl. Geophys., **28**, no. 04, 363–368.
- Suto, K., 1995, ASEG Geophysics Promotion - Geophysics as a Career, WELCOME TO GEOPHYSICS: Preview, , no. 57, 51.
- Swiridiuk, P., 1998, Exploring the Solomon Islands with airborne geophysics Expl. Geophys., **29**, no. 3/4, 620–625.
- Sykes, M. P., and Das, U. C., 1998a, Removal of herringbone effects from AEM data maps using the radon transform *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., Expl. Geophys.: Austr. Soc. Expl. Geophys., 92–95.
- Sykes, M. P., and Das, U. C., 1998b, Removal of herringbone effects from AEM data maps using the radon transform Expl. Geophys., **29**, no. 1/2, 92–95.
- Tatham, R. H., 1980, Vp/Vs and lithology: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:R.33.
- Taylor, G. M., and Dickson, B. L., 1998, Experiences with downward continuation of AGRS data: Preview, , no. 75, 29.
- Taylor, R., Kelly, D., Fisher, N., and Canning, A., 1998, The application of reflection tomography and interval velocity analysis to achieve accurate depth conversion of subtle structures: a case study Expl. Geophys., **29**, no. 3/4, 626–631.
- Taylor, G., 1984, Seismic resolution and field design - Success and failure at Taber Alberta: J. Can. Soc. Expl. Geophys., **20**, no. 01, 7–22.
- Taylor, D., 1992, Blina field-canning Basin, a geophysical case history: Expl. Geophys., **23**, no. 03, 467–480.

- Terry, C., 1993, Australia Day Honours List - 1993, D. W. Emerson, AM, BE, MSc, PhD, FAusIMM, FAIG: Preview, , no. 42, 3.
- Theveniaut, H., Gallet, Y., Besse, J., Krystyn, L., and Marcoux, J., 1993, Origin and evolution of Turkish blocks during the late Triassic from magnetostratigraphic data *in* Clark, D., Ed., Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings:: Austr. Soc. Expl. Geophys., 295–300.
- Thompson, R., 1994, The Occurrence of Geomagnetic Disturbances: Preview, , no. 49, 16–20.
- Thomson, S., Neil, M., Correia, C., and Jeffrey, S., 1995, In-mine Applications of Radio Imaging: Preview, , no. 59, 21–25.
- Thurston, J. B., and Brown, R. J., 1992, The filtering characteristics of least-squares polynomial approximation for regional/residual separation: J. Can. Soc. Expl. Geophys., **28**, no. 02, 71–80.
- Tieman, H. J., 1980, Modeling of the effects of lateral velocity variations on seismic data using the wave equation: J. Can. Soc. Expl. Geophys., **16**, no. 01, 26–37.
- Titchkosky, K. A., 1970, The finite Fourier transform: J. Can. Soc. Expl. Geophys., **06**, no. 01, 7–33.
- Tomlinson, L. A., 1993, New Zealand's magnetic observatory instrumentation *in* Clark, D., Ed., Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings:: Austr. Soc. Expl. Geophys., 83–86.
- Treitel, S., 1974, An ideal performance property of the multichannel Wiener filter: J. Can. Soc. Expl. Geophys., **10**, no. 01, 71–73.
- Trench, A., Evans, R., Brown, C., and McInnes, D., 1996a, Examples of DHEM in nickel sulphide exploration within the Kambalda District, Western Australia: Expl. Geophys., **27**, no. 2/3, 131–140.
- Trench, A., Evans, R., Brown, C., and McInnes, D., 1996b, Examples of DHEM in nickel sulphide exploration within the Kambalda district, Western Australia: Expl. Geophys., **27**, no. 2/3, 131–140.
- Trofimenkoff, F. N., Johnston, R. H., and Haslett, J. W., 1986, Apparent resistivity in the presence of well casings: J. Can. Soc. Expl. Geophys., **22**, no. 01, 65–72.
- Trofimenkoff, F. N., Haslett, J. W., Johnston, R. H., and Klassen, A., 1995, Complex resistivity response of a buried vertical body in a homogeneous earth: J. Can. Soc. Expl. Geophys., **31**, no. 1/2, 54–62.
- Troshkov, G. A., and Shalaev, S. V., 1968, Application of the Fourier transform to the solution of the reverse problem of gravity and magnetic surveys: J. Can. Soc. Expl. Geophys., **04**, no. 01, 46–62.

- Tsai, C. J., 1980, Are the deep events Moho reflections?: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.4.
- Tsemahman, A. S., Jones, M. J., and Hron, F., 1995, P-wave velocity and density estimates from the linear inversion of VSP data: *J. Can. Soc. Expl. Geophys.*, **31**, no. 1/2, 11–17.
- Tsingas, C., and Kanasewich, E. R., 1990, Prestack shot gather migration and imaging a steam zone using a migrated omega-x stack: *J. Can. Soc. Expl. Geophys.*, **26**, 17–32.
- Turner, B., and Hearn, S., 1995, Shear-wave splitting analysis using a single-source dynamite VSP in the Otway Basin: *Expl. Geophys.*, **26**, no. 04, 519–526.
- Turner, G., 1989, Data processing techniques for the location of one dimensional objects using ground probing radar: *Expl. Geophys.*, **20**, no. 03, 379–382.
- Turner, G., 1993, Geophysics in CSIRO Division of Exploration and Mining: Preview, , no. 47, 21–30.
- Turner, G., 1996a, Borehole radar - Why it is different from lower frequency DHEM techniques: *Expl. Geophys.*, **27**, no. 2/3, 161–165.
- Turner, G., 1996b, Borehole radar - Why it is different from lower frequency DHEM techniques: *Expl. Geophys.*, **27**, no. 2/3, 161–165.
- Tyne, E. D., and Daggard, D. H., 1990, Analysis of induced polarization and radiometric logs from a test borehole in Hawkesbury sandstone: *Expl. Geophys.*, **21**, no. 1/2, 53–63.
- Ulrych, T. J., and Lasserre, M., 1966, Minimum-phase: *J. Can. Soc. Expl. Geophys.*, **02**, no. 01, 22–32.
- Ulrych, T. J., Walker, C. J., and Jurkevics, A. J., 1978, A filter length criterion for minimum entropy deconvolution: *J. Can. Soc. Expl. Geophys.*, **14**, no. 01, 21–28.
- Unterberger, R. R., Muir, T. G., and Wang, A. M., 1980, Nonlinear sonar probing of salt: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.123.
- Uren, N., 1996a, The future development of exploration geophysics in Australia: Preview, , no. 63, 19–20.
- Uren, N., 1996b, A strategy to make exploration geophysics viable by the 21st century: Preview, , no. 63, 18.
- Urosevic, M., and Evans, B. J., 1998, Seismic methods for the detection of kimberlite pipes *Expl. Geophys.*, **29**, no. 3/4, 632–635.
- Vafidis, A., and Kanasewich, E. R., 1991, Modelling crosshole seismic data in steam injection problems with finite differences: *J. Can. Soc. Expl. Geophys.*, **27**, no. 01, 23–33.

- Vafidis, A., Dai, N., and Kanasewich, E., 1993, Wave propagation in viscoacoustic heterogeneous media: A velocity-pressure finite-difference method: *J. Can. Soc. Expl. Geophys.*, **29**, no. 02, 401–410.
- van Schoor, M., and Duvenhage, D., 1999, Comparison of crosshole radio imaging and electrical resistivity tomography for mapping out disseminated sulphide mineralisation at a surface test site in Mpumalanga, South Africa: *Expl. Geophys.*, **30**, no. 3/4, 135–140.
- Varsek, J. L., and Lawton, D. C., 1985a, The Seisgun - Part I - Field tests: *J. Can. Soc. Expl. Geophys.*, **21**, no. 01, 64–76.
- Varsek, J. L., and Lawton, D. C., 1985b, The Seisgun - Part II - Data acquisition from a study of stacked sections: *J. Can. Soc. Expl. Geophys.*, **21**, no. 01, 77–88.
- Vasudevan, K., Cook, F., du Toit, A., Wilson, W. G., and Laidlaw, W. G., 1992, Simulated annealing experiments in statics computation: Synthetic and real data examples: *J. Can. Soc. Expl. Geophys.*, **28**, no. 01, 6–18.
- Vermeer, G. J. O., 1998, Creating image gathers in the absence of proper common-offset gathers: *Expl. Geophys.*, **29**, no. 3/4, 636–642.
- Villegas, R., Garcia, C. J., and West, G. F., 1980, Recognition of EM overburden anomalies with Hlem survey data: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:M.36.
- Vozoff, K., 1992, Discussion on ‘the application of a joint MT CSAMT survey to oil exploration’, by L. M. Hastie, C. Cevallos and I. J. Chant (egj-20-1/2-339-342): *Expl. Geophys.*, **23**, no. 03, 523–526.
- Vrbancich, J., 1993, Instrumentation for detection and generation of ELF emissions in sea-water *in* Clark, D., Ed., Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings: *Austr. Soc. Expl. Geophys.*, 167–174.
- Vrolijk, P. D., and Mesdag, P. R., 1995, New Developments in Advanced Reservoir Characterisation: Preview, , no. 57, 59–72.
- Wait, J. R., 1989, Transient electromagnetic fields for a polarized conductive sheet (short note): *Expl. Geophys.*, **20**, no. 04, 487–489.
- Waite, M. W., and Sigit, R., 1998, Seismic monitoring of the Duri steamflood: Application to reservoir management: Preview, , no. 72, 17–20.
- Walker, J. H. D., and Stuart, A. J., 1976, Permafrost investigations by crystal cable surveys MacKenzie Delta NWT: *J. Can. Soc. Expl. Geophys.*, **12**, no. 01, 38–55.
- Walker, P., 1998a, A new AEM imaging algorithm for use in conductive areas *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., *Expl. Geophys.*: *Austr. Soc. Expl. Geophys.*, 184–190.

- Walker, P., 1998b, A new AEM imaging algorithm for use in conductive areas *Expl. Geophys.*, **29**, no. 1/2, 184–190.
- Wang, L. J., and Chamaluan, F. H., 1995, A magnetotelluric traverse across the Adelaide geosyncline: *Expl. Geophys.*, **26**, no. 04, 539–547.
- Wang, Z., Batzle, M. L., and Nur, A. M., 1990, Effect of different pore fluids on seismic velocities in rocks: *J. Can. Soc. Expl. Geophys.*, **26**, 104–112.
- Wanliss, J. A., and Antoine, L. A. G., 1995, Geomagnetic micropulsations: Implications for high resolution aeromagnetic surveys: *Expl. Geophys.*, **26**, no. 04, 535–538.
- Watson, P., 1998, Realizations: Preview, , no. 77, 31–33.
- Webster, S. S., and Tyne, E. D., 1980, IP techniques in conductive overburden: Analysis of field data and computer modeling: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:M.19.
- Wehrhahn, D., and Titchkosky, K., 1979, A direct approach to removal of multiples: *J. Can. Soc. Expl. Geophys.*, **15**, no. 01, 7–20.
- Wellman, P., 1998, Mapping of a granite batholith using geological and remotely sensed data: the Mount Edgar Batholith, Pilbara Craton *Expl. Geophys.*, **29**, no. 3/4, 643–648.
- Wellman, P., 1999, Gamma-ray spectrometric data: Modelling to map primary lithology: *Expl. Geophys.*, **30**, no. 3/4, 01670172.
- West, R. E., Wieduwilt, W. G., and Hall, D. K., 1980, Discovery of a mineralized breccia pipe using gradient array induced polarization: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:M.1.
- West, G., 1997, Into the fourth quarter: the next 25 years of mining geophysics: Preview, , no. 66, 99.
- Whitall, K. P., and Clowes, R. M., 1979, A simple efficient method for calculation of traveltimes and ray paths in laterally inhomogenous media: *J. Can. Soc. Expl. Geophys.*, **15**, no. 01, 21–29.
- White, R. M., and Duckworth, K., 1977, A study of inherent noise in gravity surveys of mountainous areas: *J. Can. Soc. Expl. Geophys.*, **13**, no. 01, 29–34.
- White, J. E., 1980, Computed waveforms in transversely isotropic media: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:R.32.
- Whiteley, R. J., and Frankcombe, K., 1990, Epilogue to the engineering geophysics workshop: *Expl. Geophys.*, **21**, no. 1/2, 129–130.
- Whiteley, R. J., and Jewell, C., 1992, Geophysical techniques in contaminated lands assessment - Do they deliver?: *Expl. Geophys.*, **23**, no. 04, 557–565.

- Whiteley, R. J., Fell, R., and Macgregor, J. P., 1990a, Vertical seismic shear-wave profiling (vssp) for engineering assessment of soils: *Expl. Geophys.*, **21**, no. 1/2, 45–52.
- Whiteley, R. J., Holmes, W. H., and Dowle, R. D., 1990b, A new method for downhole-crosshole seismics for geotechnical investigation: *Expl. Geophys.*, **21**, no. 1/2, 83–89.
- Whiteley, R. J., 1990, Engineering geophysics - A geophysicist's view: *Expl. Geophys.*, **21**, no. 1/2, 7–16.
- Whiteley, R. J., 1994, Environmental geophysics: Challenges and perspectives: *Expl. Geophys.*, **25**, no. 04, 189–196.
- Whiteley, R., 1997, Site characterisation geophysics: Experiences in South East Asia: *Preview*, , no. 66, 46.
- Whiting, T., 1997a, Geophysics - future directions and threats: *Preview*, , no. 66, 101.
- Whiting, T., 1997b, Where has geophysics been and where is it headed?: *Preview*, , no. 66, 46–48.
- Whiting, P., 1998, Tomographic velocity model building for pre-stack depth migration *Expl. Geophys.*, **29**, no. 3/4, 649–653.
- Wild, P., MacBeth, C., Crampin, S., Li, X.-Y., and Yardley, G. S., 1993, Processing and interpreting vector wave-field data *J. Can. Soc. Expl. Geophys.*, **29**, no. 01, 117–124.
- Wilkes, P., and T, C., 1993, Update-Radiometric Calibration Facilities: *Preview*, , no. 44, 22.
- Wilkes, P., 1993, Radiometric Calibration Pads - Airborne and Ground Gamma Ray Spectrometers: *Preview*, , no. 43, 17.
- Williams, P. K., and Fraser, G. A., 1992, The use of transient electromagnetics in exploration for conductive sulphide associated Cu-Au mineralisation at Moonta, South Australia: *Expl. Geophys.*, **23**, no. 03, 507–514.
- Williams, R. G., Gosling, B., and Hollingsworth, S., 1998, Pre-stack depth migration experience in less complicated geological environments *Expl. Geophys.*, **29**, no. 3/4, 654–657.
- Williams, J., 1997, Polar reversals, cooling magmas and aeromagnetic anomalies: *Preview*, , no. 67, 15–19.
- Williamson, P. E., Willcox, J. B., Colwell, J. B., and Collins, C. D. N., 1991, The Gippsland basin deep seismic reflection/refraction grid: *Expl. Geophys.*, **22**, no. 03, 497–502.
- Williamson, E., Petrie, E., and Radke, S., 1996, Getting the most from public seismic field data - BRS petroleum data management project: *Preview*, , no. 60, 31–35.



- Willocks, A. J., and Simons, B. A., 1998, Geologists and geophysicists: getting them on the same planet *Expl. Geophys.*, **29**, no. 3/4, 658–664.
- Winbow, G. A., 1980, How to separate compressional and shear arrivals in a sonic log: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:R.21.
- Winch, D. E., and Runcorn, S. K., 1993, Geomagnetic observatory data and ocean circulation *in* Clark, D., Ed., Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings:: Austr. Soc. Expl. Geophys., 139–146.
- Winch, D. E., 1993, Solar and Lunar daily geomagnetic variations *in* Clark, D., Ed., Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings:: Austr. Soc. Expl. Geophys., 147–150.
- Witherly, K. E., 1980, Application of applied potential and downhole Pulse EM techniques to exploration for massive sulfide deposits in E. Canada: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:M.35.
- Witherly, K., 1997, Future trends and directions in mining geophysics: *Preview*, , no. 66, 99–100.
- Wolfgram, P., and Thomson, S., 1998a, The use of B-field measurements in an airborne time-domain system - Part II: examples in conductive regimes *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., *Expl. Geophys.*:: Austr. Soc. Expl. Geophys., 225–229.
- Wolfgram, P., and Thomson, S., 1998b, The use of B-field measurements in an airborne time-domain system - Part II: examples in conductive regimes *Expl. Geophys.*, **29**, no. 1/2, 225–229.
- Wolfgram, P., Hyde, M., and Thompson, S., 1998, How to find localised conductors in GEOTEM data *Expl. Geophys.*, **29**, no. 3/4, 665–670.
- Wolfgram, P., 1995, Discussion on: Conductivity-depth transform of GEOTEM data: *Expl. Geophys.*, **26**, no. 04, 549.
- Wong, P., Taggart, I., and Jian, F., 1996, Integration of acoustic impedance into genetic reservoir characterisation: A synthetic model study: *Expl. Geophys.*, **27**, no. 04, 187–196.
- Wood, R., 1991, Seismic reflection data from the Hanmer basin, N. Z: *Expl. Geophys.*, **22**, no. 03, 503–508.
- Woodside, J. M., 1989, Labrador offshore basins defined by potential field data: *J. Can. Soc. Expl. Geophys.*, **25**, 138–149.
- Worrall, L., Munday, T., and Green, A., 1998a, Beyond “bump” finding - Airborne electromagnetics for mineral exploration in regolith dominated terrains *in* Spies, B., Fitterman, D., Holladay, S., and Liu, G., Eds., *Expl. Geophys.*:: Austr. Soc. Expl. Geophys., 199–203.

- Worrall, L., Munday, T., and Green, A., 1998b, Beyond “bump” finding - Airborne electromagnetics for mineral exploration in regolith dominated terrains *Expl. Geophys.*, **29**, no. 1/2, 199–203.
- Wren, A. E., and Jain, S., 1978, The application of inversion to seismic interpretation problems in the foothills: *J. Can. Soc. Expl. Geophys.*, **14**, no. 01, 66–71.
- Wren, A. E., 1973, Trend surface analysis - A review: *J. Can. Soc. Expl. Geophys.*, **09**, no. 01, 39–44.
- Wren, A. E., 1980, Seismic energy sources: Signatures and significance: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.64.
- Wren, A. E., 1984, Seismic techniques in cardium exploration: *J. Can. Soc. Expl. Geophys.*, **20**, no. 01, 55–59.
- Wright, C., Barton, T., Goleby, B. R., and Taylor, F. J., 1989, Seismic velocity variations, in the northern Amadeus basin central Australia, from an expanding spread reflection profile: *Expl. Geophys.*, **20**, no. 04, 435–444.
- Wu, W. J., Raz, S., and Hilterman, F. J., 1980, Evaluation of direct inversion techniques: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:R.13.
- Wyatt, K. D., 1980, Calculation and applications of a synthetic vertical seismic profile: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:R.17.
- Wyborn, L. A. I., 1993, Potential applications of palaeomagnetism in mineral exploration in northern Australia *in* Clark, D., Ed., Third Geomagnetism Workshop - Paleomagnetism Seminar, Proceedings: *Austr. Soc. Expl. Geophys.*, 219–222.
- Xiong, Y., Yao, C., and Wang, P., 1993, The features of shear wave splitting in Lulong in northern China, and its seismic implications *J. Can. Soc. Expl. Geophys.*, **29**, no. 01, 332–340.
- Yao, C., and Xiong, Y., 1993a, Far-field radiation pattern from an anisotropic dislocation point source *J. Can. Soc. Expl. Geophys.*, **29**, no. 01, 315–323.
- Yao, C., and Xiong, Y., 1993b, Shear wave splitting from local earthquakes modelled by synthetic seismograms *J. Can. Soc. Expl. Geophys.*, **29**, no. 01, 324–331.
- Yao, C., Wang, P., Lu, Y., and Chen, Y., 1993, Interpretation of shear-wave splitting in Datong area, northern China *J. Can. Soc. Expl. Geophys.*, **29**, no. 01, 341–351.
- Yardley, G. S., and Crampin, S., 1993, Shear-wave anisotropy in the Austin Chalk, Texas, from multioffset VSP data: Case studies *J. Can. Soc. Expl. Geophys.*, **29**, no. 01, 163–176.
- Yates, M. T., 1980, Geophone laboratory at Chevron oil field research: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:R.37.

- Yu, J. S., 1980, Self and transfer impedances of coaxial coils for interrogating a borehole formation: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:G.51.
- Yungull, S. H., and Stephenson, L. P., 1970, Comments on CA 06 01 0058: J. Can. Soc. Expl. Geophys., **06**, no. 01, 66.
- Zelt, C. A., and Ellis, R. M., 1988, Practical and efficient ray tracing in two-dimensional media for rapid traveltimes and amplitude forward modelling: J. Can. Soc. Expl. Geophys., **24**, no. 01, 16–31.
- Zeng, X., and MacBeth, C., 1993, Accuracy of shear-wave splitting estimates from near-offset VSP data J. Can. Soc. Expl. Geophys., **29**, no. 01, 246–265.
- Zeng, X., and Mereu, R. F., 1990, Seafloor seismic velocity: Results from an analysis of the water bottom multiples recorded from the Arctic ice island experiment: J. Can. Soc. Expl. Geophys., **26**, 33–46.
- Zhang, Z., He, Q., Teng, J., Wang, A., and Wei, J., 1993, Simulation of 3-component seismic records in 2-dimensional transversely isotropic medium with finite-difference method J. Can. Soc. Expl. Geophys., **29**, no. 01, 51–58.
- Zhang, Y., Salisch, H. A., and McPherson, J. G., 1999, Application of neural networks to identify lithofacies from well logs: Expl. Geophys., **30**, no. 1/2, 45–49.
- Zhao, P., Bock, G., and Wenzel, F., 1994, A cross-gallery tomographic survey in the New England antimony mine: Expl. Geophys., **25**, no. 04, 197–206.
- Zhe, J., and Greenhalgh, S., 1998, A new method for crosswell reflector imaging Expl. Geophys., **29**, no. 3/4, 671–674.
- Zhou, B., Fullagar, P. K., and Fallon, G. N., 1998, Radio frequency tomography trial at Mt Isa Mine Expl. Geophys., **29**, no. 3/4, 675–679.
- Zhu, J., and Lines, L., 1994, Imaging of complex subsurface structures by VSP migration: J. Can. Soc. Expl. Geophys., **30**, no. 02, 73–83.
- Ziolkowski, A., 1980, High pressure of low pressure air guns?: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:MA.4.
- Zonge, K. L., Emer, D. F., and Ostrander, A. G., 1980a, Controlled source audio-frequency magnetotelluric measurements: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:M.5.
- Zonge, K. L., van Reed, E., and Young, G. N., 1980b, The complex resistivity method: 50th Annual Internat. Mtg., Soc. Expl. Geophys., Reprints, Session:M.17.