

BIOGRAPHIES

HUGH ABERCROMBIE is presently Vice President, Exploration with Birch Mountain Resources Ltd., a junior mining company based in Calgary, Alberta. Hugh obtained his Ph.D. in geochemistry from the University of Calgary in 1989 and spent eight years working as a research scientist with the Geological Survey of Canada before joining Birch Mountain. He has more than 20 years experience in the geology, geochemistry, and hydrogeology of sedimentary basins with applications to mineral and hydrocarbon exploration.

RICK BADGERY graduated from Queen's University with a B.Sc. in Engineering Geology in 1982. He was initially employed in a variety of geotechnical projects in Western Canada by EBA Engineering Consultants. In 1983, Rick joined Chevron Canada Resources where he processed seismic data for several years. Since then, he has provided expertise in surface modeling and geomatics, has been responsible for the processing and administration of potential fields data and applications, for the administration and support of imaging technology, and has provided interpretation of potential field data.

MELVYN (MEL) E. BEST received his B.Sc. and M.Sc. from the University of British Columbia in 1965 and 1966, respectively, and a Ph.D. in Theoretical Physics from MIT in Boston (Cambridge) in 1970. A consultant with nearly 30 years' experience, Mel currently works with Geophysical Exploration & Development Corporation (GEDCO), specializing in planning and interpreting 3-D seismic surveys for both oil and mining applications, high resolution aeromagnetic surveys, and integrating seismic data with gravity and magnetic data. Mel's international experience includes the North Sea, Holland, Paris Basin, Sarawak, Southeast Asia, the United States, and the east coast of Canada. Mel's expertise encompasses mineral exploration field acquisition, processing and interpretation; reservoir engineering and ground water studies; exploration seismic processing and interpretation; aeromagnetic project design and QC; environmental geophysical studies; and extensive leadership in geoscientific management.

DAVID BOYD, professor of geophysics at the University of Adelaide between 1969 and 1991, has been involved in the exploration for hydrocarbons in Europe, Africa, Southern Asia, and Australia for over 50 years. His main contribution has been in the use of airborne magnetic surveys in regional studies. During the last decade his principal interest has been in the use of the high quality aeromagnetic survey data to determine structures from magnetic units within the prospective sedimentary section itself.

ROBERT A. CHARTERS received his M.Sc. in Geophysics (1984) and his B.Sc. Honours Physics Coop (1982) from the University of Victoria, British Columbia. Bob has been working for Geophysical Exploration & Development Corporation (GEDCO) since 1995. Bob's expertise is in geophysical modeling and interpretation, AVO, multi-component seismology, and VSP technology. He also has an extensive background in seismic acquisition and processing. Bob is a member of CSEG, SEG, and APEGGA.

JAMES DIETRICH received a (1977) B.Sc. Degree in Earth Sciences from the University of Waterloo. From 1978 to 1980 he worked for Mobil Oil Canada as a petroleum geophysicist. From 1980 to the present he has worked for the Geological Survey of Canada (Calgary) as a research geophysicist. His main studies involve regional seismic reflection interpretation and petroleum resource assessment of sedimentary basins in western and northern Canada.

PETER EICK has 9 years of experience with Conoco in the United States and has worked as a Seismic explorer and Potential Fields interpreter in the Gulf of Mexico, Alaska and the Permian Basin. His current assignment is Seismic Acquisition Coordinator for Conoco Houston, where he has designed and acquired 3D and 2D Seismic Surveys in many of the western U.S. petroleum basins. In this role he has specialized in designing 3D Seismic Surveys for the best data quality, maximum safety on the job, and with the minimum impact of the environment. Mr Eick is a member of the SEG, IAMG, PBGS and WTGS.

JAMES A. GENEREUX has extensive domestic and international oil and gas experience. He has proposed, developed and managed many domestic and international geologic related projects in Western Canada, South America, and S.E. Asia. More recently, Mr. Genereux spent over five years with a large international corporation where he was responsible for geological interpretation and mapping programs through to large-scale airborne remotely-sensed data acquisition projects in S.E. Asia and South America. Many projects included securing program funding through international agencies such as the Asian Development Bank and the World Bank. Prior to that he spent five years as a consulting geologist. His background in geology, coupled with his extensive experience in remote sensing and airborne surveying applications, is beneficial in developing and coordinating new programs for the company. He has presented, published, and co-authored many technical articles on High-Resolution Aeromagnetic surveying and geologic remote sensing, worldwide. Mr. Genereux is a member of the AAPG and the CSPG.

W.E. (TED) GLENN received his B.Sc. (Eng. Geol.) from Queen's University in 1966. He obtained a M.S. (Eng. Geosci.) degree at the University of California, Berkeley in 1969 and a Ph.D. in Geophysics from the University of Utah in 1973. His Ph.D. research was on the application of generalized inversion to electrical methods interpretation. He spent one year at the University of Utah in a post-doctorate position developing and using ray tracing methods to interpret Apollo 17 radar data obtained in lunar orbits. In 1974 he joined Kennecott Exploration Services in Salt Lake City where he worked on developing tools and interpretation techniques for the application of borehole logging methods to mineral exploration and development. The primary focus of the research was the development of an in-situ mining method for the recovery of Cu from porphyry copper deposits. His work included study of fluid flow measurement and the development of methods to interpret these data in low porosity rocks with significant contribution to flow from fractures. He continued his work on the application of electrical methods to mineral exploration. He worked at the University of Utah Research Institute studying the application of borehole logging and electrical exploration methods to geothermal exploration and development from 1978 to 1981. He then joined Chevron Minerals and worked in exploration and research positions in Australia, the United States, and Canada. He managed the exploration office in Toronto from 1986 to 1989. Since 1989 he has worked in oil and gas exploration for Chevron in Calgary, Alberta. He has interpreted potential field and seismic data to develop exploration plays. He helped develop the application of visualization techniques in Chevron in the study of exploration data. Ted is a member of The CSEG, SEG, CSPG, AGU, CGU, and SPWLA.

SERGUEI GOUSSEV received his M.Sc. in Geology and Geophysics from Moscow State University, Russia, in 1974. An exploration and research geophysicist with almost 25 years' experience, Serguei is currently working with Geophysical Exploration & Development Corporation (GEDCO). Serguei's international experience includes projects in Russia, Gabon, Colombia, Argentina, Yemen, Vietnam, and Central Asia. He has extensive experience in seismic acquisition (land/desert, marine, river), structural, seismic-stratigraphic, and magnetic data interpretation. Serguei is the inventor of the Goussev Filter, an innovative filtering technique that integrates traditional methods of magnetic signal enhancement with the non-traditional computation of residual gradient fields. Serguei is a member of CSEG and SEG.

HASSAN H. HASSAN received a B.Sc. (1973) in Geology and an M.Sc (1976) in Geophysics both from the University of Baghdad, Iraq. Hassan received his Ph.D. (1984) in Geology/Geophysics from the University of New Brunswick, Canada. In 1984 he worked as a research scientist in the Department of Surveying Engineering at the University on

New Brunswick on remote sensing data processing and application in geology. In 1985 Hassan joined the Department of Geology at the University of New Brunswick as a post doctoral research associate to work on a five year project sponsored by the Geological Survey of Canada. Hassan worked as a consulting geophysicist on several geophysical projects in New Brunswick for the NB Department of Natural Resources & Energy and for the Atlantic Geoscience Center. Prior to coming to Calgary, Hassan worked as a research geophysicist with EM Technologies Inc. in Fredericton, New Brunswick. Hassan currently works with Geophysical Exploration & Development Corporation (GEDCO). Hassan's experience is in the areas of acquisition, processing, and interpretation of gamma ray spectrometry, gravity, magnetic, and electromagnetic data. In addition to geophysics Hassan has a strong background in geochemistry, mineralogy, and ore petrology. Hassan is a member of GSC, CSEG, CIM, and AGS.

IRENA KIVIOR obtained her Eng.,M.Sc. degree (1976) in ore geology from the Academy of Mines and Metallurgy in Krakow, Poland. She worked as a mathematician at the Technical College in Walbrzych (1976-1980). In 1980 she emigrated to Australia and worked as an exploration geologist with Rockdale Hill and with AFMECO. From 1982 to 1990 she worked as a geologist with ETSA in coal exploration and geological services for mine planning. Since 1990 Irena has worked at the University of Adelaide, where she completed a Ph.D. in geophysics (1996) and post-doctorate research work (1998). Her research focuses on sedimentary basins and on deep crustal studies using potential field data. In 1997, Irena established a small consulting geophysical firm, Archimedes Consulting Pty Ltd., through which she provides geophysical services for petroleum and mineral exploration companies. In 1998 Irena was appointed a visiting research fellow of the NCPGG. She is a member of ASEG and GSA.

ALAN LEAVER has been involved in the oil & gas exploration industry since he graduated with a Masters degree from Brock University. He was employed as an exploration geophysicist for Amoco and for Westar Petroleum in Calgary and for Ram Petroleum in London. He founded Signature Geophysical (1962-1996) a very active seismic survey company in SW Ontario, Ohio and the Houston area. He was a REsearch Associate in the Dept. of Geology & Geophysics of the University of Oklahoma (1992-96). The focus of his work is 2D and 3D seismic acquisition, processing and interpretation.

HENRY LYATSKY holds a B.Sc. in geology and geophysics (1985) and an M.Sc. in geophysics (1988) from the University of Calgary, and a Ph.D. in geology (1992) from the University of British Columbia. Following a post-doctorate at the University of London (UK), he returned to Calgary in 1994 and has been a consultant in private practice ever

since. His interests are development of new geophysical tools for hydrocarbon and mineral exploration; practical interpretation of gravity, magnetic, and seismic data; and regional geology of western Canada including basement-cover relationships. He is the author of numerous publications on these topics, including two books published by Springer-Verlag. One of these books examines the various influences of the crystalline basement on the sedimentary cover throughout the Phanerozoic history of the Alberta and Williston basins, and proposes practical ways in which these influences can be unraveled and understood. Henry is a member of CSEG, AAPG, EAGE, CGU, AGU, and Calgary MEG.

TERENCE J. MCCONNELL, Vice President & General Manager, Scintrex Limited, Airborne Systems & Surveys Division. Address: Scintrex Limited, 222 Snidercroft Road, Concord, Ontario, L4K 1B5, e-mail: tmmconnell@compuserve.com. Employment History: 1991 - 1995 President, World Geoscience Inc., 1995 - Present Scintrex Limited. Academic History: B.Sc. Geophysics 1983 University of Toronto.

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DR. WILLIAM C. PEARSON is president of Pearson Technologies, Inc., a Lakewood, Colorado company specializing in gravity, magnetic, geologic and seismic integrated interpretations, modeling, imaging, and software. He holds a B.Sc. degree from Colorado School of Mines and a Ph.D. degree in oceanography from the University of Washington and has 22 years of petroleum experience. Dr. Pearson has published numerous papers on gravity and magnetics and taught dozens of industry schools on advanced gravity and magnetic computer techniques.

Prior to founding Pearson Technologies, Dr. Pearson was employed by Amoco as a seismic interpreter and stratigraphic seismic programmer, by Edcon as a potential field interpreter, by Guion & Pearson, Three-D Gravity, and Pearson, deRidder and Johnson as a principle officer and a geophysical manager. During his years of petroleum exploration experience, Dr. Pearson has developed comprehensive potential field processing, imaging, and interpretation software for both in-house use and licensing to industry. Dr. Pearson has co-chaired 3-D Seismic Symposiums in Denver for 1995, 1996 and 1997.

JOHN W. PEIRCE received his Ph.D. in Oceanography in 1977, specializing in Marine Geophysics, from Massachusetts Institute of Technology/Woods Hole Oceanographic Institution, Joint Program in Oceanography. As a Managing Partner of Geophysical Exploration & Development Corporation (GEDCO), John has worked with a wide range of clients on projects in all parts of Canada, South America, Russia, Southeast Asia, Australia, Africa, and the Middle East. Along with his partner Andreas Cordsen, John is co-author and facilitator of the course, "Planning and Designing a Land 3-D Seismic Survey," which is offered both through the Society of Exploration Geophysicists and privately. John is a member of APEGGA, CSEG, SEG, AAPG, GAC, CGU, AGU, and GSA.

ALAN REID was born in South Africa, studied Physics (B.Sc. 1965), and Geophysics M.Phil. 1968) in Rhodesia and Geophysics at the University of Alberta (PhD, 1972). He taught Physics and Geophysics at the University of Rhodesia/Zimbabwe, starting an M.Sc. course in Exploration Geophysics. He spent five years as Chief Geophysicist of Tsumeb Corporation (a Newmont Company) in Namibia and eight years as a Senior Geophysicist for Robertson Research International in North Wales. He is now Principal Geophysicist and Geophysical Research Manager for GETECH in Leeds, UK. Dr Reid is primarily known for his work on aeromagnetic survey design and his involvement in the development of grid Euler deconvolution. His current interests extend to gravity tensor gradients.

LUISE SANDER received a B.Bc in Applied Mathematics from Carleton University, Ottawa (1979) and an M.Sc in Computer Science from McGill University, Montreal (1990). After a short period as a scientific/technical computer programmer for DMR & Assoc., she joined the family business (Sander Geophysics Limited) permanently in 1981. She has developed much of SGL's software used for processing and map-making, including routines for intersection determination, magnetometer data levelling, and contouring. Ms. Sander currently supervises software development, data compilation and quality control for all SGL projects. Current areas of interest include processing techniques for radiometric data acquired in rugged terrain, and planning and guidance for survey flying.

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ALLAN SPECTOR is a native of Toronto and is a PhD graduate of the Geophysics Laboratory, Department of Physics, University of Toronto. He has been active in the areas of gravity and magnetic data acquisition and processing. He has published 12 papers on these subjects. For the past 28 years he has been director of a geophysical consulting company in Toronto that specializes in these geophysical methods and has written over 450 consulting reports dealing with oil & gas and minerals exploration.