

BIOGRAPHIES



FRED M. PETERSON received his B. Eng. Science Physics with Great Distinction and from the University of Saskatchewan in Saskatoon in 1971 and an M.Sc. Physics in 1973. Fred joined Shell Canada in 1972 and worked on a number of exploration geophysics assignments for them until joining Canadian Hunter Exploration Ltd. in 1978.

Since 1981 he has been employed as Manager, Geophysics for Prime Energy Ltd.

Fred is a member of the SEG, CSEG, AAPG and APEGGA.



WILFRED C. REYNISH was employed by CDP Computer Data Processors from 1967 to 1969. He joined Digitech Ltd. in 1969 and worked there until 1974. Starting as a Junior Processor he advanced to the position of Senior Processor which he held for the last three years he was there. In January 1975 he joined Veritas Seismic Ltd., where he spent five years as Processing Supervisor and is now Vice President.

He is an active member of the SEG and CSEG.



DAN HAMPSON received his B.Sc. in physics from Loyola College (Montreal) in 1971, and his M.Sc. in theoretical physics from McMaster University (Hamilton) in 1973. From 1973 to 1975 he worked with Canadian University Services Overseas in Ghana as a physics teacher. In 1976 Dan joined Veritas Seismic Processors as processing geophysicist.

From 1978 to 1979, he worked with Phillips Petroleum Co. (Houston), after which he returned to Veritas where he is currently Manager of the Research Group.

In 1981 Dan received the best paper award for a paper delivered at the CSEG convention.

Dan is a member of the CSEG, SEG, EAEG and APEGGA, and is the present editor of the CSEG journal.



LAWRENCE E. MEWHORT received his B.E. in Geophysical Engineering from the University of Saskatchewan in 1972. From 1972 until 1982 he was an Exploration Geophysicist with Hudson's Bay Oil and Gas Company Ltd. He is now an Exploration Geophysicist with Canterra Energy Ltd.

Lawrence is a member of the CSEG, SEG and APEGGA.



CARL K. POSTER received a B.S. degree in geology and geophysics from the University of Wisconsin in 1967. He worked in the university's Geophysics and Polar Research Center 1967-1968, and served in the U.S. Army 1968-1970. He attended the University of East Anglia, Norwich, England from 1970 to 1973 and received a Ph.D. in geophysics.

Carl worked as a geophysicist for Ove Arup and Partners and Hunting Surveys and Consultants, both in England, until 1979. Since 1980, he has been employed as a geophysicist in the interpretation development group of Schlumberger Well Services, Houston, Texas.

He is a member of the SEG.



DAVID D. CAULFIELD received his M.E. Degree in 1957 and his M.Sc. in physics in 1960 from Stevens Institute of Technology in New Jersey. From 1958 until mid-1960 he worked as an oceanographer at Woods Hole Oceanographic Institute, specializing in sparker seismic source development and sound transmission studies. From 1967 through

1970 he provided consulting services in shallow seismics in the Arctic and for pipelines surveys in the Gulf of Mexico. During the early 1970s, as Technical Director of Banister Technical Services, his work was concentrated on developing shallow seismic through ice procedures for the Polar Gas Project and for Canadian Government

Agencies. From 1977 to the present, at Caulfield Engineering, his main efforts have been in applying modern microcomputer techniques to the field processing of data in the Arctic, with emphasis on shallow seismic system development. He is a member of SEG, SIGMA XI and APEGGA.



YUNG-CHANG YIM received his B.Sc. degree in Chemistry in 1963 from Seoul National University and his Ph.D. in Chemical Physics in 1980 from the University of Utah. In 1981 he studied computer sciences in M.Sc. courses at the University of Alberta. After five years' compulsory military service, he worked as a researcher in the Division of Isotope

and Neutron Activation Analysis at Korean Atomic Energy Institute. For his Ph.D. he studied zeeman effect and circular dichroism, optical rotatory dispersion, and magnetic circular dichroism during 1973 through 1978. From 1978 through to 1980 he studied infra-red spectra by use of contact transform theory as a Post Doctoral Fellow at the University of Alberta. Since joining Caulfield Engineering in 1981, he has worked on seismic models for the determination of ice thickness, sub-bottom reflection models, and mathematical modelling for flux leakage sensing of faults in pipelines.



SANDY JENKINS received his B.Sc. in Geophysics (Honours) in 1982. He was a recipient of NSERC (Canada) Summer Studentship in 1982. During the summer of 1981 he worked for A.E.C.L. (Meteorology section). He is at present a staff geophysicist with Dome Petroleum Ltd.



DERBEW M. MESSFIN received his B.Sc. degree in physics in 1976 from the University of Addis Ababa. He was employed by the Ministry of Mines, Energy and Water Resources of Ethiopia, Geophysics Division, and worked as a geophysicist for four years. In 1981, he received a United Nations fellowship to pursue his studies toward a master's degree

in geophysics at the University of Manitoba. His current thesis work involves the application of seismic techniques to mineral exploration.



WOOIL MOON completed B.Sc., M.A. and Ph.D. degrees from the University of Toronto, Columbia University (New York) and the University of British Columbia in 1970, 1972 and 1976, respectively. From 1976 to 1978 he held a postdoctoral fellowship and research associateship in the Department of Physics at Memorial University of Newfound-

land. During 1978 and 1979, he worked in the Geophysics Laboratory, Department of Physics of the University of Toronto, with emphasis on Seismology and Theoretical Geodynamics. Since 1979, Dr. Moon has been a faculty member in the Department of Earth Sciences, The University of Manitoba. Dr. Moon is a member of SEG, CSEG, AEAG, AGU and IEEE (Geoelectronics and Remote Sensing).



KEN DUCKWORTH graduated from the University of Leeds with a B.Sc. in Physics (1960) and a Ph.D. in Applied Geophysics (1964). In 1964, he joined the Darwin Uranium Group of the Australian Bureau of Mineral Resources. In the four years spent with that group, he developed research interests in electromagnetic and radiometric exploration techniques.

In 1968, he joined the faculty of the University of Calgary, where he now holds the position of Associate Professor of Geophysics. Current research interests lie in the development of new electromagnetic exploration techniques with special emphasis on deep exploration for metallic minerals (*i.e.*, in the depth range 200 to 800 m).

Professional associations: APEGGA, SEG, CSEG, ASEG, EAEG and CIMM.



ALLAN BAYS graduated from the University of Bristol (U.K.) in 1978 with a B.Sc. (Hons.) in Applied Geology. In 1982 he obtained an M.Sc. in Geology and Geophysics from The University of Calgary. From 1980 to 1982, he worked for Hudson's Bay Oil and Gas as a geophysicist responsible for research and development of ground and

airborne geophysical equipment. During that period he also designed and constructed the electromagnetic modelling facility at The University of Calgary. At present he holds the position of Instructor in the geophysics department of that institution. Research interests include

the application of microcomputers to geophysical equipment, and application of the electromagnetic method to the location of deep targets. He is a member of the SEG.



ANTHONY KAY received his B.Sc. (Hons.) in the combined Geology and Physics program from Carleton University in 1977. He continued with graduate work at The University of Calgary, obtaining an M.Sc. (Geophysics) in 1981. The topic of his graduate thesis was the effects of low temperature on the Induced Polarization response of lead-zinc

ore. In 1981 he joined Hardy Associates (1978) Ltd. as a geophysicist and has been involved in a number of projects using seismic refraction, electromagnetic and electrical methods for engineering geophysical applications. Previous experience included the use of induced polarization, electromagnetic and airborne radiometric methods in mining exploration. He is a member of the CSEG.