

## BIOGRAPHIES



DAVID DONALD CAULFIELD was born and raised in Hoboken, New Jersey, U.S.A. He attended the Steven's Institute of Technology to obtain a Mechanical Engineering degree and a Masters in Science (physics).

He spent his first years at the Woods Hole Oceanographic Institute in Massachussets, U.S.A. Later he

came to Canada, to spend the next seventeen years working primarily in arctic shallow geophysics.

In 1975 David founded Caulfield Creative Arts Ltd. and Caulfield Engineering (a subsidiary) based in Edmonton, Alberta. The company has spent the last ten years specializing in customized computer engineering solutions, the acquisition and processing of oceanographic data, and the manufacture of related computer equipment for process control and shallow geophysics.

David Caulfield has standing memberships and associations with groups such as Instrument Society of America, Sigma XI, Sigma Pi Sigma, APEGGA, Society for Exploration Geophysicists, Marine Technology Society, and the Chamber of Commerce.



SUDHIR JAIN is a Geophysical Consultant based in Calgary, Alberta. He has specialized in the development and use of advanced data processing and interpretation techniques in seismic and potential field methods.

Sudhir Jain received his B.Sc. (Hons.) and M. Tech. in exploration geophysics from the Indian Institute of Technology, Kharagpur, India in

1958 and 1960 respectively. After one year on a gravity-magnetic field party, he joined the University of Liverpool in England, where he completed his Ph.D. in

geophysics in 1964. Papers resulting from his thesis were presented to the European Association of Exploration Geophysicists and he was awarded the Van Weelden Award in 1966. Dr. Jain has published papers on seismic, electrical and potential field methods in Geophysics, Geophysical Prospecting, Journal of the Canadian Society of Exploration Geophysicists, Oil and Gas Journal, etc., and has presented numerous papers in SEG and CSEG meetings since 1972. He was awarded the CSEG Meritorious Service Award in 1980. He is a member of SEG, CSEG and APEGGA.



DENISE POLEY received a B.Sc. (honours) in geology, mathematics and physics from Dalhousie University in 1982. She is currently continuing graduate work toward a Ph.D. in geophysics at the University of Calgary. Her current research interests include data acquisition, processing, and interpretation of high-resolution seismic data from the Beaufort Sea,

with an emphasis on microcomputer applications. At present she holds a Natural Sciences and Engineering Research Council (NSERC) postgraduate scholarship. In 1984 she received the best paper award at the Western Inter-University Geological Conference (WIUGC). She is a member of the CSEG and the SEG.

DAVID CASE CAULFIELD was born in the United States and emigrated to Canada in 1974. In 1985 he received a B.Sc. degree in geophysics from the University of Alberta. For the past five years he has been extensively involved in Caulfield Engineering's Acoustic Core system, in both theoretical development and interpretation. At present he is employed by Dome Petroleum as an interpreter. His interests include shallow seismic data processing and modelling as an interpretive aid.

ROBERT GAROTTA holds a Diplome d'Etudes Supérieures from the Sorbonne, Paris. In 1967 he won the Conrad Schlumberger award and in 1980 the Prix Charles Bihoreau (AFTP). He has been employed with Compagnie Générale de Géophysique in Massy, France since 1958, and since 1965 has been with their Technical Department in charge of technical supervision of seismic crews and foreign processing centres. His current title is Vice President of Research and Development — Land Seismic. His memberships include SEG, EAEG and AFTP.

PIERRE MARECHAL holds B.S. and M.S. degrees in geophysics from Grenoble University and the French Petroleum Institute. Since 1953 he has worked with Compagnie Générale de Géophysique in France, Iraq Petroleum in Iraq, SPAFE in Gabon, and Petropar and CGG Geophysics Canada Ltd. in Canada. He has also spent three years in South America. At present he holds the position of Chief Geophysicist with CGG in Calgary, and is an active member of SEG, CSEG and APEGGA.

MAG MAGESAN holds a B.Sc. in honours physics and a Ph.D. in electrical engineering from the University of Manchester, England. After a short term of employment with GSI he joined CGG Geophysics Canada Ltd. where he has worked for the past ten years. His present title is Geophysicist Supervisor, Acquisition and Processing. He is member of APEGGA.



ROBERT R. STEWART graduated from the University of Toronto in 1978 with a B.Sc. in physics and mathematics. He received a Ph.D. in geophysics from the Massachusetts Institute of Technology in 1983. In 1979-80 he was employed part-time with the Chevron Oil Field Research Company in La Habra, California and in 1981-82 with the

ARCO Exploration and Production Research Center in Dallas, Texas.

At MIT he was also involved in earthquake field studies in Peru, the Soviet Union and New England. He was a postdoctoral research associate in 1983 at MIT, editing a book on Advanced Concepts in Vertical Seismic Profiling.

In 1983-85, he was employed with Chevron Geosciences Company, Calgary as a processing geophysicist.

Dr. Stewart is currently Senior Research Geophysicist with Veritas Software Ltd., Calgary and is also a lec-

turer with the Continuing Education Program of the SEG. He is a member of APEGGA, SEG, EAEG, Sigma XI and the CSEG, where he is editor of the Journal.



JOHN L. VARSEK obtained a B.Sc. in geophysics in 1979 from the University of British Columbia, following which he joined Canada - Cities Service as an exploration geophysicist. In 1984 he received a M.Sc. in geology and geophysics from the University of Calgary. He is currently at Petrel Consultants, working as an applications geophysicist.

Research interests include the development of rock-property based interpretation techniques. John is a member of APEGGA, SEG and CSEG.



DON C. LAWTON received a B.Sc. (Hons.) in geology in 1973 and a Ph.D. in applied geophysics from the University of Auckland in 1979. From 1976 to 1979 he worked for Amoco Minerals New Zealand Ltd. In late 1979 he joined the Department of Geology and Geophysics at the University of Calgary, where he is currently an assistant professor of

geophysics. His interests are in high resolution seismic data acquisition, seismic modelling, and integrated geologic and geophysical studies.



PETER DUNCAN received a B.Sc. in physics from the University of New Brunswick in 1973. He then attended the University of Toronto, where he was granted a M.Sc. and a Ph.D. in geophysics in 1975 and 1978 respectively. After completing his graduate work he was employed by Shell Canada Resources Limited, Calgary, first on numerical 3D modelling of EM

systems, then as Project Geologist in their minerals division, and finally as Party Chief for their marine seismic work on Canada's east coast. In 1984, he joined Pulsonic Geophysical Ltd. of Calgary as Senior Geophysicist and Marine Supervisor. He is a member of SEG, CSEG, AGU and APEGGA.