

BIOGRAPHIES

NEIL L. ANDERSON, see biography and photograph in December 1991 *Canadian Journal of Exploration Geophysics*, volume 27, p. 53.



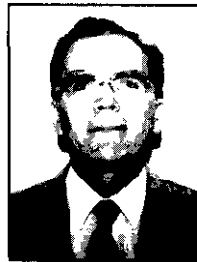
MEL BEST received his B.Sc. in honours mathematics and physics and his M.Sc. in physics from the University of British Columbia. He obtained his Ph.D. in theoretical physics from the Massachusetts Institute of Technology in 1970. From 1970 to 1972 Mel was an invited lecturer and research associate at McGill University. In 1972 he joined

Shell Canada Limited as a geophysicist in the minerals department and worked in various capacities in that group until 1978 when he became involved in the seismic project group. From 1978 to 1980 he headed a research group at the Royal Dutch Shell exploration and production laboratory in Rijswijk, The Netherlands. He was division geophysicist for Shell Canada minerals until 1982 when he became head of the Petroleum Engineering Research group at the new research centre for Shell Canada in Calgary. In 1985 Mel joined Teknica Resource Development Ltd. as a geophysical advisor where he was involved in the application of artificial intelligence and workstations for petroleum exploration and production. He joined the Geological Survey of Canada in 1986 as head of the Basin Analysis Subdivision at the Bedford Institute of Oceanography in Dartmouth, Nova Scotia. In September, 1990, he became the Director of the Pacific Geoscience Centre, a Division of the Geological Survey of Canada, in Sidney, British Columbia. He is a member of the SEG, CSEG and is a registered professional geophysicist in Alberta.

R. JAMES BROWN, see biography and photograph in December 1991 *Canadian Journal of Exploration Geophysics*, volume 27, p. 53.

MONTY CLEMENTS received his Ph.D. in gas discharge physics from the University of Saskatchewan in 1967. After a postdoctoral year at the University of Alberta (Department of Electrical Engineering) he became a faculty member in the Department of Physics and Astronomy, University of Victoria, where he has been ever since. His fields include studies of the fluid dynamics associated with spark ignition of combustion reactions as well as the creation of high-energy waves underwater seismic exploration.

KEN DUCKWORTH, see biography and photograph in December 1991 *Canadian Journal of Exploration Geophysics*, volume 27, p. 53.



DON GENDZWIL is a professor in the Department of Geological Sciences, University of Saskatchewan. He received his B.S. (1957) and M.S. (1958) degrees from Michigan Technological University and his Ph.D. (1969) degree from University of Saskatchewan. He was exploration geophysicist for Cominco Ltd. from 1958 to 1963, research geophysicist for the Saskatchewan Research Council from 1963 to 1970, and has been at the University of Saskatchewan since 1970. His interests are in exploration and engineering geophysics, particularly applied to mining problems.

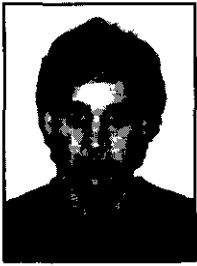
BILL KANTERS is a co-op student at the University of Waterloo and a graduate student in environmental geophysics.

BOSCO LONCAREVIC holds graduate degrees from Cambridge University and the University of Toronto. Dr. Loncarevic is currently a senior research scientist at the Atlantic Geoscience Centre in Dartmouth, Nova Scotia. He was the first person to hold the position of director of the

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Centre, which capacity he served from 1971 to 1977. His primary interest is in geophysical exploration of the oceans and the impact of our new understanding of the marine environment on our future.

ROBERT SMITH obtained his B.S. and M.S. degrees in physics from the University of Nevada in 1961 and 1965, respectively. In 1990 he obtained his Ph.D. degree from the University of Victoria, studying the plasma gun as an underwater acoustic source. The present paper is part of this work. He is currently teaching physics at Butte College in California and has special interests in developing undergraduate laboratories and lecture demonstrations.



JEFF THURSTON is currently employed as a research geophysicist at Commonwealth Geophysical Development Co. Ltd. He received a B.Sc. in physics from the University of Alberta in 1988 and an M.Sc. degree in geophysics from The University of Calgary in 1991. Jeff worked in the basin analysis group at Home Oil Co. Ltd. in 1989

and as a research assistant at the LITHOPROBE Seismic Processing Facility from 1991 to 1992.

DAVID TOPHAM obtained his Ph.D. in high temperature arc physics from the University of Loughborough in 1970. He is presently employed by the Department of Fisheries and Ocean, Government of Canada. His research interests include arctic oceanography, the fluid mechanics of electric arcs and combustion ignition devices.

RUSSELL WARREN received an Electrical Electronics Technologist diploma from Camosun College, Victoria, B.C., in 1980. He worked in research and development at the Dominion Astrophysical Observatory from 1980 to 1982. Since 1985 he has been employed as a research assistant at the University of Victoria Plasma Physics Lab.