RESEARCH PERSONNEL

Jon F. Claerbout received his education at M.I.T. (B.S. physics, 1960, M.S. geophysics 1963, Ph.D. geophysics 1967). He worked for United Electrodynamics (now Teledyne, Inc.) in 1963 and studied in Uppsala, Sweden in 1964. He joined the geophysics faculty at Stanford University in 1967. From 1967 to 1973, he was a consultant to the Chevron Oil Field Research Company. He is an active member of the Society of Exploration Geophysicists, receiving the Best Presentation Award for a paper, "Extrapolation of Wave Fields," presented at the 1972 international SEG meeting, and receiving the Society's Medal Award in 1973 "in recognition of his outstanding and original pioneering work in seismic wave analysis." During the year 1972-73, he was a visiting research geologist at Princeton University and a visiting lecturer at Sydney University. His textbook ***Fundamentals of Geophysical Data Processing*** was published in 1976. It has been widely used throughout the world and has recently been translated into Russian and Chinese. In 1977, he was elected a Fellow of the American Geophysical Union. In 1979, he joined the MIT Corporation Advisory Committee to Earth Sciences. He is professor of geophysics at Stanford University and director of the Stanford Exploration Project. During the 1979-80 year he is on sabbatical leave at the Department of Geodesy and Geophysics, Cambridge University; he will be back at Stanford July 15, 1980.

Robert W. Clayton received a B.A. degree in engineering science from the University of Toronto in 1973, and an M.S. degree from the University of British Columbia in 1975. His M.S. thesis was on the deconvolution of suites of teleseismic earthquake recordings. He is currently a Ph.D. candidate in the department of geophysics at Stanford University.

Alfonso González-Serrano received his B.S. (Licenciado) degree in oceanography from Universidad Autonoma de Baja California, Mexico, in 1977, and a M.S. degree in geophysics from Stanford University in 1979. His B.S. thesis was a structural model for Todos los Santos Bay, using gravity and magnetics data. He is currently a PhD candidate in Geophysics and is recipient of a graduate scholarship from Consejo Nacional de Ciencia y Tecnologia. His research interests are in velocity estimation and probabilistic dynamic systems in geophysics. He is a member of SEG and AAPG.

Allan (Bert) Jacobs received a B.S. degree in physics from MIT. He is now working toward his Ph.D. in geophysics from Stanford and holds a National Science Foundation fellowship. During the summer of 1979 he worked on migration programs for Atlantic Richfield. Research interests include deconvolution, migration in laterally varying media, the stability of migration programs, and the direct inversion of seismic records to get velocity information.

George A. McMechan was an undergraduate in geophysical engineering at the University of British Columbia and did graduate studies in geophysics at the University of Toronto. Since 1973 he has been employed as a research seismologist by the Canadian federal government. His primary research interest to date has been in body wave inversion, especially for the upper mantle, but he is currently studying reflection processing while on a sabbatical leave at the SEP.

Lawrence C. Morley received a B.Sc. in math and physics from the University of Toronto in 1973 and an M.Sc. in geophysics from the same institution in June 1975. His M.Sc. thesis was on artificial source techniques in magneto-tellurics. As an undergraduate he had summer jobs on magnetics and gravity crews in Northern Quebec and the Canadian Arctic. He also had computer programming positions with the Dominion Observatory of Canada and the Applied Physics Division of the National Research Council of Canada. After M.Sc. graduation he worked for a year with Chevron Oil. In 1976-77 he took graduate courses in systems engineering at Carleton University. He is currently a Ph.D. candidate in geophysics at Stanford.

Robert H. Stolt received his Ph.D. in high energy physics at the University of Colorado in 1970. His thesis research involved the physics of para particles. Post-doctoral research during 1970-71 at the University of Colorado concerned the development of a theory of composite particles. In July of 1971, he joined the Exploration Research Division of Continental Oil Co., where he now holds the title of theory group leader. During 1979-80 he is on leave from CONOCO to direct the Stanford Exploration Project.

Jeff Thorson received a B.S. degree in geology from the University of Washington in 1973 and an M.S. degree in geophysics from the University of Houston in 1975. He has worked for Getty Oil Company as an interpreter and in the field as a company representative on various seismic surveys. He is a member of SEG and EAEG, and is the recipient of an N.S.F. graduate fellowship.

Mathew J. Yedlin received his Ph.D. degree in geophysics from the University of British Columbia in 1978. His thesis research involved the application of disk ray theory to anisotropic media. Post-doctoral research, during 1978-79, at both the University of Alberta and the Institute of Geological Sciences at Edinburgh concerned the development of ray-tracing techniques in arbitrarily anisotropic media. Currently, he is studying reflection processing while on a post-doc at the SEP.

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