

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 1974, he was a consultant to Chevron Oil Field Research Company. He is an active member of the Society of Exploration Geophysics, 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. In 1977, he was elected a Fellow of the American Geophysical Union. Presently, he is professor of geophysics at Stanford University and director of the Stanford Exploration Project.

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.

Swavek Deregowski read natural sciences at Peterhouse where he received a B.A. in 1969 and an M.A. in 1972, both from Cambridge University, England. In 1971 he was awarded the Van Weelden Award by the EAEG for a paper on deconvolution. He is currently working for British Petroleum as a research geophysicist.

Laura Gagnon, an undergraduate in geophysics, is working toward a B.S., to be awarded in 1980. Her work on the migration of the COCORP Wind River data was undertaken during participation in a seminar on tectonics.

Bob Godfrey graduated in 1974 with a B.Sc. in geological engineering from the University of British Columbia. He then worked one year with Imperial Oil Ltd. as an exploration geophysicist. Previous summers were spent in the Beaufort Sea area conducting reflection/refraction surveys for the Geological Survey of Canada. Presently, he is a Ph.D. candidate in geophysics at Stanford.

Alfonso González-Serrano received his B.Sc. (Licenciado) degree in oceanography from Universidad Autónoma de Baja California, México. His undergraduate thesis was a structural model for Todos los Santos Bay, using gravity and magnetic data. He is currently a graduate student at Stanford University in the Geophysics Department and is the recipient of a graduate scholarship from Consejo Nacional de Ciencia y Tecnología. He is a member of SEG and AAPG.

Allan (Bert) Jacobs received a B.S. degree in physics from MIT and is now working toward his Ph.D. in geophysics at Stanford. He holds a National Science Foundation fellowship. His current interests include variable velocity migration, interpolation in the presence of aliasing, event detection and characterization, and direct inversion methods of velocity estimation.

Einar Kjartansson received a B.S. in physics and mathematical sciences from Denison University in 1976 and an M.S. in geophysics from Stanford University in January 1978. He was employed by the National Energy Authority of Iceland using electrical methods in the exploration for geothermal resources during the summers of 1975 and 1976. At Stanford he has been associated with both the Stanford Rock Physics Project (SRP) and SEP. His current research interests center around seismic wave attenuation. During 1977-78 he was the recipient of the Cecil and Ida Green Fellowship in geophysics. He is currently a Ph.D. candidate at Stanford University and is a member of SEG and AGU.

Heloise Blossom Lynn received her B.A. in geology-math in 1975 from Bowdoin College, Brunswick, Maine. She then worked a year for Texaco's Southeast Division in Houston as a seismic data processor, with some interpretation duties. In fall, 1976, she entered Stanford to study in the Exploration Geophysics Program. During the summer of 1977, she returned to Texaco in Houston and did the research for her M.S. thesis on "The Seismic Waveshape Response of a Carbonate Gas Reservoir, Gulf Coast, U.S." Her M.S. in exploration geophysics was finished in December, 1977. Interested in the interpretation of seismic data, she helped teach Stanford's introductory reflection seismology course, "Geologic Interpretation of Reflection Seismograms," in winter quarter, 1978. During and since then she has been working on the migration of large datasets, deep crustal seismic interpretation, and general real data seismic processing, enhancement, and migration. She is currently a Ph.D. candidate at Stanford University and is a member of SEG and AAPG.

Walter S. Lynn received a B.A. degree in geology and geophysics from Princeton University in 1973, and an M.S. degree in geophysics from Oregon State University in 1975. His undergraduate and M.S. thesis research was on velocity inhomogeneities in the lower mantle and on the tectonic evolution of the northern Cocos Plate, respectively. He is currently a Ph.D. candidate in the geophysics department at Stanford University, and is a member of SEG, AGU and AAPG.

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.

Francis Muir was educated in the classics at Stonyhurst College, England and went up to Balliol College, Oxford on an open exhibition in natural sciences in 1944. With an interruption for service in the Royal Horse Artillery, he graduated in mathematics from Oxford University

in 1950. After two years working as a research chemist for May and Baker, he was seduced into a life of "science and adventure" by Seismograph Service Limited in 1953. With SSL he worked variously in the research and review departments and as a field seismologist on reflection and refraction crews in England, Algeria, Niger, Nigeria, Papua and Australia. In 1962 he joined West Australian Petroleum Pty Ltd as a supervising geophysicist and transferred to the Chevron Research Company (now Chevron Oil Field Research Company) as a research geophysicist in 1967. For six months in 1978 he was with the SEP as consulting professor of geophysics and is now back with COFRC in La Habra, California, where he is a senior research associate.

Fabio Rocca received his Dott. degree in electrical engineering in 1962 from the Polytechnical School of Milano, where from 1962-1967 he was a teaching assistant, from 1967-1975 he was associate professor, and since 1975 he has been department head, all in the Department of Electrical Engineering. He is a member of SEG and EAEG. His current research interests include wave equation migration, signal processing in geophysics and communications. During the winter and spring of 1979, he has been a visiting professor in the Department of Geophysics at Stanford University.

Donald A. Seeburger received a B.A. in geophysics from the University of California, Berkeley in 1976, and an M.S. in geophysics from Stanford University in 1978. At Stanford he has been associated with the Stanford Rock Physics Project (SRP). His current research interests center around the distribution of fluids near fault zones. He is currently a Ph.D. candidate in the geophysics department at Stanford University, and is a member of AGU, AAPG, and SSA.

Allan Snyder received bachelor's degrees in physics and earth science from California State Polytechnic University, Pomona in 1975 and 1976, respectively, and an M.S. in mathematics there in 1977. During the summers of 1976 and 1978 he worked for Shell Oil Company and Union Oil Company, respectively. He is now employed by Union Oil Company, and is a member of SEG.

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 NSF graduate fellowship.

Özdoğan Yılmaz received his B.S. (first honor) in geophysics from the University of Missouri, Rolla in 1970 and his M.S. in geophysics from Stanford University in 1972. His interests were in non-linear fluid flow in rocks and source mechanisms of earthquakes. He worked for the Turkish Petroleum Corporation between 1973 and 1978 as a research geophysicist and was involved in geophysical data processing. In 1978 he participated in the interpretation of some marine data. Since September, 1978, he has been with the SEP, working toward his Ph.D. He is a member of SEG.