

DISTINGUISHED ALUMNI AWARDS 2003

CARL A.P. FRICKE

... for distinguished service to the department as a founding member and past Chair of the Board of Visitors; for sound knowledge of science, the foresight to anticipate developing needs in environmental consulting, and for development in Central and South America, all of which have had a positive impact on many lives and the geologic community.
Citationist—David M. Mickelson



Carl A.P. Fricke

CARL A.P. FRICKE (BA, Geology, Augustana College, '73), received MS degrees in Geology and Water Resources Management from the University of Wisconsin-Madison in 1976. He completed studies of Pleistocene geology of central and eastern Rock County, Wisconsin, under Professors Dave Mickelson and Herb Wang, and assisted Tom Johnson with field studies of nearby Walworth County.

From 1976 to 1978, Carl was Assistant Professor with the University of Nebraska-Conservation and Survey Division. He then joined Woodward-Clyde Consultants, where he was Senior Hydrogeologist between 1978 and 1983.

In 1983, Carl co-founded LevineFricke, Inc, an environmental engineering firm which grew to \$36 million in revenues and nine offices before being acquired by a French company in 1995. He also founded LevineFricke de Mexico, which gained international

prominence by providing technical support for the first successful U.S./Mexico cooperative effort to prosecute environmental crimes; the achievements of that effort were used, in part, during the NAFTA debates.

In 1996, Carl and others founded Isadra, Inc., a leader in Internet systems integration and collaborative commerce. In 1998 VerticalNet purchased Isadra for \$45 million and continues to use its technology as a key platform for VerticalNet's products. Between 1997 and 2003, Carl co-founded CIMA Capital, which specializes in trade finance and merchant banking for companies in Mexico and Latin America. To date, CIMA Capital has originated

more than \$200 million for 270 loans, with a 99% loan approval rate from ExIm Bank after due diligence and documentation. Currently, Carl is working with others to develop technology that links the cellular phone with TV/mass media to produce interactive and intelligent e-commerce.

Carl continues to serve on a number of Boards and as an Advisor to a variety of enterprises and several university organizations, including UC-Berkeley's Venture Design engineering school class. He was a founding member and second Chair of the Board of Visitors of the UW-Madison Department of Geology and Geophysics and served on the Board for eight years. He continues to be a generous supporter of our academic programs.

JOHN W. HARBAUGH

... for outstanding contributions to mathematical applications in geology as well as for many other services to our profession.
Citationist—Robert H. Dott



John W. Harbaugh

JOHN W. HARBAUGH earned BS and MS degrees from the University of Kansas. He then worked two years for Carter Oil Co., a division of Exxon, before following Lowell Laudon from Kansas to Wisconsin to pursue a PhD. John's dissertation concerned Paleozoic carbonate rocks in the Klamath Mountains of northern California. Laudon was consulting for Exxon in the Pacific Northwest during the summer of 1956, and John joined Laudon and Bob Dott (then an Exxon employee) in a reconnaissance of Paleozoic and Mesozoic strata in the Klamath region.

After completing his degree in 1955, John joined the faculty of Stanford University, where he taught until retiring in 1999. He has served as Professor of Geology, Professor of Applied Earth Sciences, Associate Chairman and Chairman of the Department of Geology (1967-72), Professor of Geological and Environmental Sciences, and Professor of Petroleum Engineering. In 1994-95 he served as Keck Foundation Professor of Exploration Science at the Colorado School of Mines.

John Harbaugh made his mark as a pioneer in mathematical geology for which he received the W. C. Krumbein Medal by the International Association of Mathematical Geology. John's emphasis has been on the application of digital computers to the analysis and simulation of geological processes and to the exploration for petroleum and coal. He is the co-author of a leading book on mathematical geology. John has also been recognized for important contributions to professional affairs. He received the Haworth Distinguished Alumni Award from the University of Kansas (1968-69), the A.I. Levorsen Memorial Award of the American Association of Petroleum Geologists Pacific Section (1970-71), the Distinguished Service Award of the AAPG (1987), and the Stanford Associates Award (1996).

John Harbaugh's connections to the University of Wisconsin are unique. He was born in Madison while his father was a graduate student and instructor in our department. M.D. "Doc" Harbaugh appears in several photographs and his name crops up repeatedly in our archive memorabilia from the 1920s. John remembers fondly his birthplace and his return in the 1950s for his own graduate studies. The department appreciates his loyal support over the many years since then.

PETER R. VOGT

...for distinguished scholarly achievements in marine geophysics and marine geology, including fundamental contributions to our understanding of plate tectonic processes.

Citationist—Chuck DeMets

PETER R. VOGT received his BS (geophysics major) at the California Institute of Technology in 1961. After spending a year at the University of Innsbruck, Austria as a Fulbright Fellow, Vogt did his graduate work at the University of Wisconsin-Madison (MA in Oceanography, 1965; PhD in Oceanography, 1968). The MA research dealt with seafloor basalt magnetization and magnetic anomalies, and the PhD work comprised a geophysical reconnaissance of the Arctic Basin and Norwegian-Barents Sea. Vogt was employed at the US Naval Oceanographic Office (1968-1975), and since then has worked as a



Peter R. Vogt

marine geophysicist (plate tectonics, oceanic crustal magnetization, seafloor sediment dynamics, and other topics) at the Naval Research Laboratory. With his coworkers, he has researched marine geology and geophysics in nearly all the oceans, and has spent over three years total on a great variety of research vessels, acting as co-Chief Scientist, for example, on the *Glomar Challenger* and on the *Mstslav Keldysh* (and MIR submersibles). A Fellow of the Geological Society of America, Vogt has authored or co-authored about 150 technical publications, with over 4000 literature citations. He was awarded an Honorary Doctorate from the University of Bergen (Norway) and made a Fellow of the Norwegian Academy of Science in 2000. Vogt is fluent in German and Norwegian, with a fair knowledge of Russian and Spanish.



The Distinguished Alumni Awards for 2003 were presented at the Spring Banquet. Clark Johnson, department Chair, is shown with Carl A.P. Fricke, left, and Peter Vogt, center. Award recipient John W. Harbaugh is shown with his wife, Audrey Wegst, right. Photos, Mary Diman.

THE DISTINGUISHED ALUMNI AWARDS:

2003

Carl A.P. Fricke—MS 1976

John W. Harbaugh—PhD 1955

Peter R. Vogt—MA 1965; PhD 1968

2002

Richard A. Paull—BS 1952; MS 1953; PhD 1957

and Rachel Krebs Paull—BS 1954; MS 1970; PhD 1980

Philip H. (Pete) Stark—MS 1961; PhD 1963

2001

Ned A. Ostenso—BS 1952; MS 1953; PhD 1962

Robert M. Sneider—PhD 1962

Ray E. Wilcox—PhB 1933; PhM 1937; PhD 1941

2000

Charles C. Bradley—PhB 1935; PhM 1947; PhD 1950

William E. Laing—BS 1951

James D. Robertson—MS 1972; PhD 1975

1999

Kenneth W. Ciriacks—BS 1958

Katharine Fowler-Billings—MS 1929

M. Ray Thomasson—PhD 1959