

David G. Frey

The fact that in recent decades Indiana University has become one of the most respected and internationally known centers of study in aquatic ecology (limnology) is due entirely to the research and teaching of Professor David Grover Frey.

In many ways, David Frey's remarkable career evolved in the Upper Midwest. He was born in Hartford, Wisconsin, and received all his degrees from the University of Wisconsin at a time when that university was one of the great centers for limnological research. Much of Dave's earliest work, both at the University of Wisconsin and subsequently with the U.S. Fish and Wildlife Service, focused on the ecology of fish. This experience got him to the Philippines in 1946 as a member of a special task force deputized to survey the war damage to the island's critical pond fisheries. In the course of this work Dave developed a familiarity with international ecological problems and foreign scientists that has enriched his career and has contributed greatly to Indiana University's reputation abroad.

Later in 1946, Dave was appointed associate professor of zoology at the University of North Carolina. In his four years at UNC two events of special significance took place: he married S. Elizabeth Jones (Libby) and was introduced to the unique, enigmatic, and fascinating "Carolina Bay" lakes of the Coastal Plain. Work on the Bay Lakes led Dave in many directions at once: to speculate on the geological origins of these curious parallel-oriented, elliptical lakes, to muse about the origin of their unique fish faunas, and to delve into the realm of paleoecology through a careful analysis of microfossils contained in the sediments of the Bay Lakes. The paleoecological phase of Dave's Bay work was truly pioneering and of great significance. It set the stage for much of his later work and gained him recognition as one of the founders of Quaternary (ice age) paleoecological studies in North America.

Dave expanded this work when he and Libby came to Indiana University in 1950. Besides continuing his work on the history of the Bays and the Atlantic Coastal Plain, he began studies of the biogeochemical evolution of significant European lakes and initiated studies of the fossil remains of Cladocera contained in the sediments of lakes. He recognized that these microscopic animals are extraordinarily important members of both the plankton and bottom fauna of lakes and can provide invaluable information on the chemistry, biology, and developmental history of lakes. He also recognized that to use the Cladocera as paleoecological tools it was critical to understand their taxonomy, evolutionary relationships, geographic distributions, and ecology.

Dave is now recognized throughout the world as the authority on the systematics, ecology, and biogeography of Cladocera. He is also recognized as one of the pioneers in the field of paleolimnology and one of the discipline's greatest exponents. He has published over 150 articles, edited many major books, participated in innumerable national and international meetings, collaborated with scientists from many countries, and taken leadership roles in virtually all the major national and international limnological and Quaternary scientific societies. Moreover, besides his teaching at IU, where he has directed over thirty Ph.D. projects, Dave has taught limnology in many third world countries. All these activities have given his laboratory an extremely high visibility. I know of no other such laboratory visited so frequently from abroad, where so much information is so willingly shared, and where so much encouragement is provided.

Because of his research and his generous dedication to the field, Dave has been chosen to serve in many honored positions—for example, as president of the American Society of Limnology and Oceanography, executive vice president of the International Association of Limnology, president of the American Quaternary Association, vice president of the American Microscopical Society, board member of the Institute of Ecology, and senior vice president of *Societas Internationalis Limnologiae*. He has also served as editor of most of the major limnological, ecological, and Quaternary journals.

Dave has been rewarded many times for this dedication and productivity. He has been the recipient of a Guggenheim and two Fulbright awards. He was elected as a Foreign Member to the Royal Danish Academy of Science. Recently he was awarded the prestigious Einar Naumann–August Thienemann Medal of the International Association of Limnology and a Certificate of Commendation by the Ecological Society of America.

In short, this has been a distinguished career that has added handsomely to Indiana's reputation in limnology. We hope, and expect, that Dave will continue to contribute for years to come.

Dave and Libby have made many other contributions to our community—as genial hosts, avid naturalists, birders, Audubon members, indefatigable participants on Christmas bird counts, music lovers, IU soccer and basketball fans, and fighters for environmental quality. In these and many other ways they have added to our quality of life. We are grateful for all these things, and we trust that they will continue.

Donald R. Whitehead