

Necrology
Fay Kenoyer Daily, Butler University

DONALD W. ASH

Louisville, Kentucky
August 16, 1945

Columbus, Ohio
May 21, 1986

Dr. Donald W. Ash succumbed to cancer in Columbus, Ohio, May 21, 1986. He was an assistant professor at Indiana State University from 1979 to 1985, but left for a position at Battelle Memorial Institute which is dedicated to industrial research. He died shortly thereafter. It was August 16, 1945 when Dr. Ash was born at Louisville, Kentucky. He majored in Geology at Purdue University where in 1972 he received a B.S. Degree and at the State University of New York, Binghamton where he was an assistant and teaching assistant and was recipient of a Ph.D. Degree in 1979.

After receiving his doctorate, he taught Stratigraphy and Sedimentation at DePauw University where he was assistant professor and he was also an assistant professor at Indiana State University. He received tenure at Indiana State in 1980. His experience was varied. Among other things, he was an assistant professor at Indiana University in 1978 teaching field methods at a field station in Cardwell, Montana. He was a geology consultant with the Amax Coal Company doing ground and surface water analysis in 1976. At the State University of New York in Fredonia, he was an instructor in geological subjects. He was also a consulting geologist for Southern Indiana Recreational Company. In 1971 as a soil science trainee with the United States Department of Agriculture-SCS, he helped map 10,000 acres in Boone County, Indiana, for a soil survey. In 1972-1973, he did research for the Department of Commerce on coastal processes and did work on dredge spoil disposal on Long Island's south shore.

He received numerous research grants and was honored by election to Sigma Gamma Epsilon, Sigma Xi, and the North Shore Task Force Karst Research Group. He also participated in the Penrose Conference on Earth Sciences and Environmental Decision Making and was a delegate from the United States to the International Speleological Congress Commission on Karst Denudation.

Dr. Ash joined the Indiana Academy of Science in 1972 and presented numerous papers on geology at our meetings. In addition to the Academy, Dr. Ash was a member of the Geological Society of America, Indiana Geologists, Indiana Speleological Survey, International Oceanographic Foundation, International Union of Speleology, National Speleological Society, and National Water Well Association. Dr. Ash published numerous papers in professional journals. His research interests included fluvial processes as applied to landscape denudation and solving engineering and environmental problems of channelization. He also studied karst hydrology as applied to ground water flow systems in response to the effects of lithologic and structural constraints. He was interested in the geomorphology of coasts, environmental interpretation of carbonate deposits and karst denudation.

Dr. Donald W. Ash was only 40 years of age when he succumbed to cancer, but his achievements were many.

HENRY S(HIRLEY) ROTHROCK

Bloomington, Indiana
September 17, 1906

Wilmington, Delaware
May 12, 1986

Dr. Henry S(hirley) Rothrock was a retired research director from DuPont de Nemours and Company when he died at home on May 12, 1986, in Wilmington, Delaware.

Dr. Rothrock was a native of Indiana, born in Bloomington on September 17, 1906. His college education began at Indiana University with an A.B. Degree received in 1926. He was a member of the tennis team there and played throughout his life. He continued his education at Purdue University where he was a chemistry assistant and received an M.S. Degree in 1928. His Ph.D. Degree was earned at Pennsylvania State University on a DuPont Fellowship in 1931. He had also studied at Columbia University in 1926 and Northwestern University in 1928 to 1929.

After graduation from the University of Pennsylvania, Dr. Rothrock joined the DuPont de Nemours Company. He was a research chemist interested primarily in organic chemistry and synthetic polymers. His work resulted in 56 United States of America patents and several publications in professional journals. In 1937, he became research supervisor with the company and in 1960, he was made liaison manager in the company's central research department. He retired in 1971. His tennis activities continued while he was at DuPont and in 1945, he won the Delaware tennis singles title and doubles title four times during the years. During World War II, he was head of the DuPont research projects commissioned by the Army and Navy. He was a member of the American Defense Preparedness Association, former director of the Philadelphia Chapter and former chairman of its national technical division on chemical warfare defense. He was awarded the Association's Bronze Medal for leadership in 1970.

After retirement from DuPont de Nemours Company, Dr. Rothrock was a volunteer consultant to the University of Delaware in the technical services division until 1980.

Dr. Rothrock joined the Indiana Academy of Science in 1926, the year he received his A.B. Degree at Indiana University. He was in Indiana for a couple of years after that while studying at Purdue University. Our society evidently made a lasting impression on him as his brother, David A. Rothrock, states, "I know he was proud and honored to be a member of the prestigious Indiana Academy of Science." His membership lasted a lifetime even though he was out-of-state. Other affiliations were the Wilmington Board of Park Commissioners, Wilmington Park and Recreation Advisory Commission, Wilmington Park Trust Fund Commission, past president of the Delaware Tennis Association, DuPont Country Club, I.U. Alumni Club at Wilmington, Phi Kappa Psi, American Chemical Society, London Chemical Society, and Armed Forces Chemical Association. In connection with his activities and participation in the development of Wilmington parks, he maintained extensive gardens. Another hobby in the years after retirement resulted in the compilation and publication of geneologies of the Rothrock and Shirley (mother's surname) families.

Dr. Henry S. Rothrock died after living a long and rewarding life of 79 years.

RALPH WAYNE STARK

Lebanon, Indiana
May 19, 1901

Lebanon, Indiana
May 26, 1984

Mr. Ralph Wayne Stark had been a business man owning the Ralph W. Stark Stationer, had worked for the "Lebanon Pioneer" (now "Reporter"), and had been Associate Editor of the "Boone County Magazine" and was a Boone County historian.

Born near Lebanon, Indiana, May 19, 1901, Mr. Stark was raised on a farm. He attended elementary school in Lebanon and graduated from Lebanon High School in 1921. He was fascinated with nature and took up college work in 1958 at Butler University where he specialized in natural history subjects such as zoology, botany and plant taxonomy. He became well-versed in wildlife, forestry, etc.

Mr. Stark lived in the Lebanon area all of his life. He owned 17 acres of wilderness just east of Lebanon which he enjoyed to the fullest. He also worked for the "Lebanon Pioneer" (now "Lebanon Reporter") until 1923. He then opened his own business, Ralph Stark, Stationer. He and his wife ran the business until 1964 when they retired.

Mr. Stark was particularly interested in the history and development of Boone County, preservation and Indian lore. Joan Lyons, feature writer of the "Boone County Magazine" and "Zionsville Sentinel," wrote a fine tribute to him in the May 31, 1984, issue of the "Sentinel". She described him as scrupulously accurate with a remarkable memory and as a person who kept voluminous records for documentation. Among his writings are "Boone County in the first hundred years", "History of Lebanon's Presbyterian Church", "Birth certificates of Lebanon and Boone County", and many magazine articles, pamphlets and booklets concerning history and conservation. He reprinted and distributed Harden and Spahr's "Early life and times in Boone County".

Mr. Stark joined the Indiana Academy of Science in 1949 and became one of our few life members. He was also a life member in the Indiana Historical Society, Indiana Audubon Society, Boone County Conservation League (which he founded in 1935) and Izaak Walton League (president of Indiana Division 1955-'57). He was a non-resident associate of the Field Museum of Natural History in Chicago. He was a member of the Chicago Academy of Science, National Academy of Sciences, Conservatory of Chicago, Wilderness Society of Chicago and National Audubon Society. He was active in politics serving as Boone County Councilman-at-large and was made Sagamore of the Wabash in 1984.

Mr. Ralph Wayne Stark died May 26, 1984, at his home at Lebanon, Indiana, at 83 years of age. He was a contributor of articles and photographs to the "Boone County Magazine" until his death.

THEODORE WILLET TORREY

Woodbine, Iowa
January 14, 1907

Bloomington, Indiana
August 31, 1986

Dr. Theodore Willett Torrey was an Indiana University Emeritus Professor and former Chairman of the Zoology Department when he died August 31, 1986 at Bloomington Hospital.

Dr. Torrey was born at Woodbine, Iowa, January 14, 1907, but his early life was spent in Colorado. He graduated from the University of Denver with an A.B. in 1927. He continued study at Harvard University where he received a Master's Degree in 1929 and a Ph.D. degree in 1932.

It was 1932 that Dr. Torrey came to Indiana University as an instructor in Zoology where he was asked to help introduce new experimental approaches to some of the living processes. He responded with a new course, Developmental Anatomy, in which embryology and anatomy were combined. During his career, he studied the nervous system, degeneration of nerves and sense organs, embryological sense organs, and embryology of the urogenital system. He was the author of a textbook, "Morphogenesis of the Vertebrates" which received wide acceptance in the United States. Dr. Torrey advanced to full professorship in 1947 and was an excellent chairman of the Zoology Department from 1948 to 1966. He retired on June 15, 1972, becoming Emeritus Professor of Zoology. He finished a 40-year record of teaching and administration at 65 years of age. At his early retirement he said, "I think I'll enjoy it. For so many years I was constantly called upon to do things other than the ones I wanted to do. Now, when the fire alarm rings, I won't have to go." (From Hugh Hazelrigg, June 7, 1972, Indiana University News Bureau release). His methods of teaching had been innovative, bringing new viewpoints and techniques to teaching such as use of visual aids including motion pictures. He was Chairman of the University Committee on Curricular Policy and Education Programs bringing changes in course and degree requirements. He also served on the College of Arts and Science Curriculum and Policy Committee involved in moving the Indiana University Junior Division to the University Division. The News Release mentioned above also stated that Dr. Torrey was known to many Indiana University graduates as "Terrible Ted", because he talked many students with failing grades into working hard and becoming successful scholars. The term was used fondly and later calls, letters or visits from grateful students were very rewarding to him.

Dr. Torrey joined the Indiana Academy of Science in 1935, so was a member for over 50 years. He was author or co-author of several papers given at the Indiana Academy of Science meetings. These often dealt with embryological subjects. He served on the Resolutions Committee in 1951 and 1952, Indiana Science Talent Search from 1952 to 1958, Special Committee for Undergraduate Research in Biology in 1957 and was mentioned by Dr. Murvel R. Garner in a history of Indiana Zoology (1967, Proc. I.A.S. 76: 164-170) and Frank N. Young in a short history of Zoology at Indiana University (1983, Proc. I.A.S. 92: 297-312), both of whom had high praise for Dr. Torrey. They mentioned some historical articles written by Dr. Torrey on Zoology at Indiana University (Bios 20 (2): 67-99. 1949; unpublished supplement 1968, 21 pp.)

In addition to the Indiana Academy of Science, Dr. Torrey was a member of the American Association for the Advancement of Science, American Zoological Society, Society of Experimental Biology and Medical Research, Sigma Xi, Phi Sigma, and Lambda Chi Alpha.

After retirement, Dr. Torrey had many interests. He had more time for reading and writing, gardening and photography. He was active in programs devoted to the welfare

of animals and was founder of the Monroe County Humane Association and served on the board of directors for many years. Around 1972, he was appointed to the Animal Control Commission by the Bloomington, Indiana, City Council. Besides interest in biological history, he was a student of political history in the United States. He died at 79 years of age.

HAROLD E(ICHOLTZ) WOLFE

North Manchester, Indiana
June 6, 1891

Bloomington, Indiana
May 8, 1986

Dr. Harold E. Wolfe was a teacher of Mathematics at Indiana University for many years. He also received his college training there with an A.B. in 1913, A.M. in 1914 and Ph.D. in 1918. He was also a native of Indiana, born in North Manchester June 6, 1891.

After receiving his A.M. Degree, Dr. Wolfe began teaching in 1914 at the University of South Dakota as an instructor in Mathematics. He returned to Indiana University after two years to work for a Ph.D. Degree. After receiving that, he began officer's training in 1918 at Camp Zachary Taylor where he was also an instructor. He received a commission as Second Lieutenant, Artillery, O.R.C. that December. He returned to teach Mathematics at Indiana University in 1919. He was acting chairman 1953-1954 and 1955 to 1957 through some troubled times. He also conducted classes at the Indiana University Extension in Indianapolis. He retired in 1961, becoming Professor Emeritus of Mathematics. He had been highly regarded as a teacher and received Indiana University's Lieber Award for distinguished teaching in 1958. He was also a violinist, active in university circles and concertmaster of the orchestra at Indiana University. Dr. Wolfe was also active in teaching mathematics by correspondence and made contact with hundreds of students throughout the state and nation. His research field was geometry and had published a popular treatise, "Introduction to Non-Euclidian Geometry."

Dr. Wolfe joined the Indiana Academy of Science in 1920 and was a 66-year member at death. He served as chairman of the Mathematics Section in 1946 and was a member of the Executive Committee (now Council). He was also a Charter Member of the Mathematical Association of America, member of the American Mathematical Society, American Association of University Professors, Phi Beta Kappa, and Sigma Xi.

After retirement, Dr. Harold E. Wolfe appeared daily at his desk in Swain Hall to work. He was 94 years old when he died at home in Bloomington, May 8, 1986, after an exemplary life.