

OBITUARIES OF MEMBERS OF THE OHIO ACADEMY OF SCIENCE: REPORT OF THE NECROLOGY COMMITTEE, 1986

The Necrology Committee of the Ohio Academy of Science consists of the following members: Emanuel D. Rudolph, Chairman, The Ohio State University; Richard H. Mahard, Denison University; W. Louis Phillips, Certified Genealogist, Logan; and Ronald L. Stuckey, The Ohio State University. The author is identified at the end of each obituary.

Robert Edward Hayes (1920-1985)

Dr. Robert Edward Hayes, professor emeritus of zoology at Miami University at Oxford, died 13 April 1985 at age 64 in the Fort Hamilton-Hughes Hospital in Hamilton, Ohio. He was widely known throughout Ohio as chairman of the Miami University Pre-Medical Committee, where many students experienced a high acceptance rate at medical schools.

Born 19 June 1920 in Minnesota, he was a son of Edward and Emma (Lott) Hayes. After graduating from Akron High School, he received a B.S. degree (1943) from Bemidji State Teachers College, Minnesota; his M.A. degree (1948) from the University of Minnesota; and his Ph.D. degree (1951) from the University of Washington, Seattle. Dr. Hayes served in the U.S. Army Medical Corps during World War II, 24 March 1943 through 1 January 1946.

Professional experience included being an assistant in zoology at the University of Minnesota (1946-1948) and at the University of Washington (1951-1952); resident associate (1952-1954) and instructor (1954-1955), University of Michigan; and at Miami University: instructor of zoology (1955-1956), assistant professor of zoology (1956-1965), associate professor of zoology (1965-1984), and professor emeritus (1984).

Dr. Hayes was the first advisor to Miami Med, an organization for pre-medical and allied students, and was active in this group until his retirement. He taught comparative anatomy and invertebrate zoology courses at Miami University for nearly 30 years.

A member of The Ohio Academy of Science (zoology section) since 1956, Dr. Hayes became a fellow in 1980. He also belonged to American Society of Protozoologists, Midwest Benthological Society, and Ohio College Biology Teachers Conference. In Oxford, he was a member of the Presbyterian Church, a leader in the Boy Scouts of America, and a former member of the Kiwanis Club.

Surviving are his wife, Mrs. Jane (Matthew) Hayes of Oxford whom he married in 1943 in Neosho, Missouri, and three sons, Patrick, Thomas, and Edward. Dr. Hayes' body was cremated and his remains were buried in Oxford Cemetery. Memorial contributions were directed to the Robert E. Hayes Scholarship Fund in care of the Miami University Fund, Murstein Alumni Center.

W. LOUIS PHILLIPS

Robert F. Hehemann (1921-1986)

Dr. Robert F. Hehemann, Professor of Physical Metallurgy at Case Western Reserve University, Cleveland, died 25 January 1986 at his home in Kirtland at age 64. A major contributor to the advancement of physical metallurgy, both as a researcher and teacher, Dr. Hehemann authored or coauthored over 70 publications in his field.

Born 10 February 1921 in Cincinnati, he was a son of Frederick and Edna (Timberman) Hehemann. Upon graduating from Western Hills High School in Cincinnati (1939), he attended the University of Michigan where he obtained a B.S. degree in metallurgy (1943). At Case Institute of Technology, he received his M.S. degree (1949) as well as his Ph.D. degree (1953). The title of his doctoral dissertation was "Stabilization of the Bainite Reaction," completed under the guidance of Dr. A. R. Troiano.

World War II temporarily interrupted his academic pursuits. From 1943 through 1946, he served in the U.S. Army, Technical Military Service, at the Aberdeen Proving Ground and Frankford Arsenal, attaining the rank of Captain.

Dr. Hehemann's entire professional career was spent at Case where he held the following positions: instructor (1946-1953), assistant professor (1953-1956), associate professor (1956-1959), professor physical metallurgy (1959-1966, 1969-1986), and acting head, Department of Metallurgy (1967-1969). He also served as resident research associate, Metallurgy Division, at the Argonne National Laboratory (summer, 1965).

Professor Hehemann's teaching and research activities encompassed a broad range of interests. He taught courses in various aspects of physical metallurgy including the kinetics and mechanisms of phase transformations, theory of alloys, thermodynamics of alloys, corrosion, mechanical behavior, and engineering applications of materials.

Research activities were concentrated on transformation kinetics in steels and a variety of non-ferrous alloys including zirconium-base and uranium-base alloys; recovery and recrystallization of tungsten; influence of structure and thermo-mechanical treatment on mechanical behavior; diffusion-controlled processes including certain aspects of sintering; permeability of hydrogen in ferritic and austenitic steels; hydrogen embrittlement and stress corrosion cracking in sour and other environments; and localized corrosion and passivation and its breakdown on iron and iron-base alloys. His interest in Bainite reactions spanned a period of 20 years.

Honors bestowed upon Dr. Hehemann by the American Society of Metals include: The Bradley Stoughton Teaching Award (1958), Zay Jeffries Lecturer of the Cleveland Chapter (1973), Fellowship (1981), and the 59th Campbell Memorial Lectureship (1984).

He became a member of The Ohio Academy of Science (physics and astronomy section) in 1964 and also belonged to: American Society for Metals, American Institute of Mining and Metallurgical Engineers, Metallurgical Society of AIME, National Association of Corrosion Engineers, A.A.A.S., New York Academy of Science, Tau Beta Pi, Sigma Xi, and Sigma Alpha Epsilon. He served as Chairman of the Publication Committee of the International Metals Review (ASM) and was a member of the Refractory Metals Committee (AIME).

Dr. Hehemann is survived by his wife, the former Ruth L. Graham, of Kirtland, a son David, a daughter Elizabeth, and two grandchildren. He was buried in the South Kirtland Cemetery on 28 January 1986.

W. LOUIS PHILLIPS

Carl Sand Johnson (1915-1985)

Carl Sand Johnson, professor emeritus, School of Natural Resources, The Ohio State University, died in Columbus, Ohio, on 4 June 1985.

Born in Pine River, Minnesota, Dr. Johnson received an elementary teaching certificate from Pine River Normal School in 1934, the B. Education degree from St. Cloud State Teachers College in 1939, and the M.S. (Education) and Ph.D. (Conservation) degrees from The Ohio State University in 1947 and 1951, respectively. He was an elementary and secondary school teacher, and a secondary school principal (1934-1936, 1939-1942) in rural schools in Minnesota, Ohio, and Kentucky.

He entered military service in 1942, seeing combat service in the U.S. Army in the European Theater, rose from the rank of private to captain, and won ten decorations, including the Silver Star, the Bronze Star, the Purple Heart, and a Presidential Citation.

In 1946-1947, Dr. Johnson was conservation education specialist for the Ohio Department of Education. He taught biology at Capital University from 1949-1951. From 1951-1979 he taught conservation, conservation policy, and environmental education courses at The Ohio State University, where he was a member of the faculty of The School of Natural Resources from its inception (1968) chairman of its Division of Environmental Education (1969-1973), and director of its Barnebey Center for Environmental Studies (1970-1979). Dr. Johnson was named director of the Ohio Conservation Laboratory in 1957, and from 1962-1965 headed a workshop for teachers at Antioch College's Outdoor Education Center.

Dr. Johnson was a fellow of The Ohio Academy of Science, and a founding member of its Conservation Section, where he served a term as vice-president. During summer sessions, he also served as an instructor at the University of Chicago, Montana State University, and St. Cloud State Teachers College. He served as co-director for three consecutive work conferences for the National Committee on Policies in Conservation Education, and was a member of Kappa Delta Pi and Phi Delta Kappa, national education honor societies, and Gamma Sigma Delta, national agriculture honorary.

A 1972 recipient of the Ohio Conservation Achievement Award, Dr. Johnson authored or co-authored more than 40 papers in professional journals. His areas of research interest included plant physiology, science education, and conservation education. Additionally, he served as an educational consultant to the U.S. Soil Conservation Service and was an active member of the School Forest Committee of the Ohio Forestry Association. His Ph.D. dissertation was instrumental in the establishment of a school forest program through the Ohio Division of Forestry in 1951. A *Survey of Printed Materials for Conservation Teachers*, a 1966 study of the quality and use of such materials in classrooms and other educational settings, received national recognition as a landmark study.

Dr. Johnson retired from The Ohio State University in 1979, but continued professional activity as a consultant for several years. He was preceded in death by a son, William Carl Johnson, and is survived by his wife, Nannie Lou, and son and daughter-in-law, Robert P. and Deborah K. Johnson, all of Columbus, and two sisters, Mrs. Anthony Richter of Minnesota and Mrs. Robert Picking of California.

JOHN F. DISINGER

Albertine Krohn (1924-1985)

Dr. Albertine Krohn, professor emerita of chemistry at the University of Toledo, died on 31 December 1985, in her home. Dr. Krohn was born in Toledo, Ohio on 28 November 1924. She received her B.S. degree *Summa cum Laude* from the University of Toledo in 1946. Subsequently, she earned an M.S. degree (1949) from Toledo, an M.S. (1951) from the University of Michigan, and her Ph.D. (1956) in physical chemistry from the University of Michigan.

After six months as a research assistant with the Illinois State Geological Survey upon receipt of her B.S. degree, Dr. Krohn joined the faculty of the University of Toledo as an instructor for the second semester of the 1946-1947 academic year, and taught chemistry and mathematics. By 1951 she was an assistant professor of chemistry. She became a professor of chemistry in 1963, retiring in March of 1985.

In addition to her interest in electrochemistry, Dr. Krohn's long career was marked by her work on chemical education examinations. She first became active in the Examinations Committee of the Division of Chemical Education of the American Chemical Society in 1953 with her involvement in the ACS Cooperative Examination in General Chemistry. Through the years she served as a member, a subcommittee chair, and vice-chair in charge of editorial matters of the Examinations Committee. She co-authored the "Toledo Chemistry Placement Examination," which has been widely used.

Dr. Krohn was active in the Phi Kappa Phi Honor Society, a general scholarship society, since the University of Toledo Chapter was established in 1952, serving initially as its secretary-treasurer for nine years, and then as its president. She first became involved in the Society at the national level in 1962, and in 1968 was elected National Vice-President for the East Central Region. She served as National President from 1972 to 1977. She was the first woman to be elected to any national office in the Society, and her travels during her tenure as President took her to some sixty campuses in the United States and the Philippines.

Dr. Krohn was a member of several other professional societies, including The Ohio Academy of Science (chemistry section), which she joined in 1952. Her accomplishments have been recognized by her inclusion in several biographical reference listings. In 1973, she was the recipient of the Gold T Award of the Alumni Association of the University of Toledo, the highest honor given annually to a graduate in recognition for work in his or her field. She was cited "both for achievements in higher education and for national prominence, which in turn have reflected favorably upon her alma mater."

ROBERT J. NIEDZIELSKI

Carl Arthur Lamey (1892-1985)

Dr. Carl Arthur Lamey, professor emeritus of geology and mineralogy at The Ohio State University, died 24 December 1985 at the Friendship Village Health Care Center in Columbus at the age of 93. The author of more than 30 publications dealing with igneous and metamorphic petrology, his colleagues in the Department of Geology recognized his contributions at the time of his retirement by naming the general petrology laboratory in his honor.

Born 28 October 1892 in St. Louis, Missouri, he was a son of Frank and Otilie (Kittridge) Lamey. He graduated from high school in Springfield, Illinois (1906) after which he worked as a grocery clerk, stenographer, and department manager of an insurance company. He served in the U.S. Army during World War I (1917-1919), attaining the rank of Second Lieutenant.

After receiving B.S. and E.M. degrees (1925) from the Michigan College of Mines at Houghton, he earned an M.S. degree (1927) and a Ph.D. degree (1933) in geology from Northwestern University.

Dr. Lamey taught geology at the following institutions: Indiana University (1927-1930), Northwestern University (1930-1933), and Mundelein College (1934). The remainder of his professional career was spent at The Ohio State University where he served as an instructor (1935-1940), assistant professor (1940-1945), associate professor (1945-1946), professor (1946-1962), and professor emeritus (1962-1985). From 1952-1960, he served as chairman of the Department of Geology. During World War II (1942-1945), he was also employed by the U.S. Geological Survey. Dr. Lamey worked for the Michigan Geological Survey, the Morgan Gold Mining Company, and the U.S. Geological Survey during various summers.

Becoming a member of The Ohio Academy of Science (geology section) in 1936, Dr. Lamey became a fellow of the Academy in 1939. He also belonged to the Geological Society of America, Society of Economic Geologists, American Institute of Mining Engineers, American Geophysical Union, A. A. A. S., Michigan Academy of Science, National Association of Geology Teachers, and the Geochemical Society. He was elected to Tau

Beta Pi, Phi Beta Kappa, and Sigma Xi, and was also a Fellow in Geology at Northwestern University. In Columbus, he was a member of the Maple Grove United Methodist Church and Past Master of University Lodge No. 631 F. & A.M.

He is survived by his wife, the former M. Lucile Seaman, of Columbus, son and daughter-in-law, Arthur and Cynthia Lamey, of Fargo, North Dakota, five grandchildren, and two great-grandchildren. Dr. Lamey was buried in Kingwood Memorial Park in Delaware County on 26 December 1985.

W. LOUIS PHILLIPS

Earl Lautenschleger (1905-1984)

Mr. Earl Lautenschleger, retired Elyria, Ohio, High School teacher and advocate of senior citizens' interests, died 6 December 1984 in the Elyria Memorial Hospital at age 79. Born 30 September 1905 in Clarksfield, Ohio, he was a son of Joel and Elizabeth (Croft) Lautenschleger. Mr. Lautenschleger became a member of The Ohio Academy of Science (science education section) in 1961, emeritus in 1975.

A graduate of Elyria High School, he earned B.A. and M.A. degrees from The Ohio State University. His M.A. thesis was on the history of the Elyria schools. Before joining the Elyria School District, he taught briefly at Brownhelm and Clearview schools. In Elyria, he served as a principal of an elementary school and became involved in the development of the first in-school library in the district. After receiving his M.A. degree, he joined the high school faculty (science department) where he taught biology until his retirement in 1968.

Mr. Lautenschleger was among the founders of the Senior Citizens Association of Lorain County, serving many years on the Board of Trustees, and as chairman of the Consumer Affairs Committee. He promoted a discount program for the elderly and was also responsible for the initiation of an influenza vaccination program for senior citizens. He was named "Mr. Senior Citizen of Lorain County" in 1975 and 1983, receiving these honors in Columbus from Governors Rhodes and Celeste, respectively.

He served his community as Elyria Councilman (1st Ward) and as a board member of the YMCA. Mr. Lautenschleger was a 32nd degree Mason and belonged to the King Solomon Lodge. He is survived by his wife, the former Helen Lowe, of Elyria, son John and daughter Margaret. His body was cremated in Cuyahoga County.

W. LOUIS PHILLIPS

Alfred Gustav Linscheid (1897-1985)

Mr. Alfred Gustav Linscheid, retired Shaker Heights High School science teacher, died 9 October 1985 in the Presbyterian Manor at Newton, Kansas, at the age of 88. Born 17 January 1897 in Arlington, Kansas, he was the son of John J. and Katrine (Miller) Linscheid.

Mr. Linscheid received an A.B. degree from Oberlin College and an M.S. degree from Western Reserve University, Cleveland. He taught in the Shaker Heights schools for 38 years as a junior high science teacher, science advisor (grades 1-12), and head of the high school biology department. He retired in 1963 and moved to Newton in 1966.

He joined The Ohio Academy of Science (science education section) in 1937, became a fellow (1954) and emeritus (1967). He also belonged to the Newton Retired Teachers' Association, Newton Lions Club, and the First United Presbyterian Church.

Surviving is his wife, the former Martha M. Kliewer, whom he married on 23 August 1923 in Hammon, Oklahoma. Mr. Linscheid's body was cremated in Wichita, Kansas.

W. LOUIS PHILLIPS

Robert Hamilton Mitchell (1903-1984)

Mr. Robert Hamilton Mitchell, professor emeritus of geology at Muskingum College, New Concord, died 11 November 1984 in Bethesda Hospital at Zanesville at the age of 81. Although inconvenienced by the loss of his left arm at the age of nine, this in no way impaired his sense of humor or his ability to instruct and inspire students.

Born 3 April 1903 in Philadelphia, Pennsylvania, he was a son of George W. and Matilda (Fitzpatrick) Mitchell. Upon graduating from an all-male high school in Philadelphia, he attended Muskingum College where he earned a B.A. degree (1925). He received an M.A. degree (1929) in geology from The Ohio State University and did post-graduate work at the University of North Dakota.

Mr. Mitchell's professional experience included being a science instructor at St. Clairsville High School (1925-1927), a graduate assistant in geology at The Ohio State University (1927-1929), and the following positions at Muskingum College where he served on the faculty for 42 years: assistant professor (1929-1949), associate professor (1949-1957), professor (1957-1971), and professor emeritus (1971). During his tenure at Muskingum, he taught courses primarily in geology, but also some chemistry courses, and served for a time as chairman of the Geology-Geography Department and also the Chemistry Department. Following his retirement from Muskingum, he taught one year at the University of Cincinnati.

In addition to his involvement with Muskingum College, he also served as a field geologist for the North Dakota Geological Survey (summer, 1941); research chemist, Owens-Corning Fiberglas Corporation (summers, 1945-1947, 1949-1950); professor of geography, Ohio University - Zanesville Branch (1954) and Lancaster Branch (1959-1960); consultant to Ayers Mineral, Zanesville (1955); and consultant in chemistry to the Vanadium Corporation of America, Cambridge (1956). He also performed geologic work for the U.S. Army Corps of Engineers.

Mr. Mitchell joined The Ohio Academy of Science (geology section) in 1926, became a fellow (1946) and emeritus (1975). He also belonged to the American Chemical Society, Geological Society of America (Fellow), A.A.A.S. (Fellow), National Association of Geology Teachers, American Institute of Professional Geologists, and Sigma Xi. He was active in the affairs of the village of New Concord and the College Drive United Presbyterian Church where he served as an elder and taught the Parlor Sunday School Class. He also belonged to the Guernsey County Retired Teachers Association, the American Cancer Society, and the New Concord Lions Club (past-president).

In 1930, he married his first wife, Thelma Rinker, who was the mother of his three children and who died 11 November 1955. Surviving are his second wife, the former Elizabeth Denner, of New Concord whom he married in 1960; daughter Jean Mitchell of Denver, Colorado; two sons, Alan Mitchell of Cambridge and Paul C. Mitchell of Lovelock, Nevada; step-daughter Helen Martin of Bradenton, Florida; step-son Nathan F. Woodhill of Lima; six grandchildren and five step-grandchildren. Mr. Mitchell was buried in the New Concord Cemetery on 14 November 1984.

W. LOUIS PHILLIPS

Joseph A. Ralston (1917-1985)

Mr. Joseph A. Ralston, retired Westerville High School science teacher, died 14 July 1985 at Riverside Hospital in Columbus at age 67. In all respects a teacher's teacher, Joe's dedication and quiet efficiency won the respect of his peers and students.

Born 13 October 1917 at Kenton, Ohio, he was the son of Dudley and Inez (Fleece) Ralston. A graduate of The Ohio State University (1939), he began his teaching career in Hopedale, Ohio, in 1939, where he taught science and mathematics, and coached various sports. World War II interrupted his teaching career. He served in the U.S. Navy as a gunnery officer on the destroyer U.S.S. Wilson.

In 1946, Mr. Ralston joined the Westerville High School faculty as a chemistry and physics teacher. While there, he organized the Bi-Phi-Chem Club which he continued to advise until his retirement. He received his master's degree in education from The Ohio State University in 1949, but his teaching career was once again interrupted by a call to active duty during the Korean conflict (1950). Following two years as executive officer of the U.S.S. Gainard, he was honorably discharged (1952) as a Lieutenant Commander. He then spent six quarters at The Ohio State University, where he served as an instructor and performed post-graduate work before returning to the Westerville schools.

As chairman of the Science Department, Mr. Ralston brought special recognition to Westerville High School in 1957 when four of his students finished in the top 300 of a national science competition. He also served on the science curriculum committee for many years. He was one of the originators of the annual display of science projects formerly held at the Ohio State Fair.

He became a member of The Ohio Academy of Science (science education section) in 1958, and a fellow in 1961. He represented the Academy on the Career Guidance Council of the Engineers Foundation of Ohio. A former president of the Westerville Teachers Association (now Westerville Education Association), he also belonged to state and national education associations. Memberships were also held in the National Science Teachers Association, the Retired Officers Association, and Westerville Lions Club.

Mr. Ralston's wife, Margaret, whom he married in 1947, preceded him in death (1977). Surviving are a daughter and son-in-law, Barbara and Steven Thurber, of Dublin, and two granddaughters. He was buried in Otterbein Cemetery on 17 July 1985.

W. LOUIS PHILLIPS

Clarence Egbert Taft (1906-1986)

Dr. Clarence Egbert Taft, professor emeritus of botany at The Ohio State University, died in Columbus on 31 March, 1986 at the age of 79. In his 43 years as a professor at The Ohio State University he guided many students in the study of plants, and influenced some in the study of algae, a group which most interested him.

Born 13 November 1906 near Romeo, Michigan, Clarence was the son of Clark and Orpha (Townsend) Taft. After attending the Bruce Township Schools and the Romeo High School, he entered Michigan State Normal College in Ypsilanti, where he strengthened his early interest in plants, receiving his B.A. in 1929. His interest in algae was stimulated by Dr. George Nichols in the summer of 1928 at the University of Michigan's Douglas Lake Biological Station. In 1929, he entered the University of Oklahoma on an assistantship, completing his M.Sc. degree there in 1931 with a study of the desmids of Oklahoma. In 1930, he married Celeste Whaley, his companion and scientific/artistic collaborator for the remainder of his life. His graduate work at The Ohio State University under the guidance of Louis Hanford Tiffany and Edgar N. Transeau earned him a Ph.D. in 1934. The next year he began teaching as an instructor at The Ohio State University. He later moved through the academic ranks of assistant professor (1940), associate professor (1945), and professor (1951), before retiring from active teaching in 1977. In 1937, he spent a quarter as exchange instructor at Cornell University. He was assistant director and professor of the International School of America from 1959-1960. During this time he directed an educational round-the-world trip.

In addition to teaching phycology, he had a long association with beginning botany students, teaching in the elementary courses and directing General Botany from 1955-1965. He taught a course on algae for 18 summers at the Franz Theodore Stone Laboratory of The Ohio State University. He started this course in 1938, having been a student there himself in 1933. He also served as Acting Director of the Stone Laboratory in the summer of 1964. Clarence Taft was an outstanding teacher which was recognized by the College of Biological Sciences' Distinguished Teaching Award in 1971, the University's Distinguished Teaching Award in 1974, and by his listing as one of the Outstanding Educators in America in 1973. He acted as advisor for 25 masters and 12 doctoral students.

Professor Taft's research mainly concerned the floristics of freshwater algae and algae in water supplies. He authored books on these topics, as well as many scientific papers. He directed a multidisciplinary training program in water pollution control, served as consultant for numerous organizations, and as regular consultant, since 1941, for the Columbus Department of Water.

Honors of various kinds were bestowed on Dr. Taft. In 1941, he served as vice-president (Plant Sciences Section) and in 1942-1945 as treasurer of The Ohio Academy of Science, which he joined in 1939. He became a fellow of The Ohio Academy of Science in 1940. He was vice-president (1951) of the Limnological Society of America, and president (1949) of the American Microscopical Society of which he was a life member. He was elected to the following honorary societies: Sigma Xi, Gamma Sigma Delta, Phi Sigma, and Gamma Alpha. In 1981, he was awarded The Ohio State University's Distinguished Service Award.

Clarence E. Taft is remembered as a truly distinguished teacher and advisor, a diligent researcher, and friendly, helpful colleague. He is survived by his wife Celeste and his daughters Elaine, Mrs. Carl Ladefoged of Kennesaw, Georgia, and Charlotte, Mrs. Jes W. Muller, Jr., of Sunbury, Ohio.

EMANUEL D. RUDOLPH