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Obituaries of the Members of the Ohio Academy of Science Report of the Necrology Committee, 2001

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OBITUARIES OF THE MEMBERS OF THE OHIO ACADEMY OF SCIENCE
REPORT OF THE NECROLOGY COMMITTEE, 2001

The Necrology Committee of The Ohio Academy of Science, chaired by Historian-Archivist Ronald L. Stuckey, consists of William R. Burk, University of North Carolina, Chapel Hill, NC, and Relda E. Niederhofer, Firelands College of Bowling Green State University, Huron, OH. Special thanks are extended to Charles E. Herdendorf and Michael C. Hansen who wrote obituaries. The committee also expresses its gratitude to the following individuals and institutions for providing information: Archives, Case Western Reserve University, Cleveland; Ashtabula County District Library; Ashtabula, OH; Julia Burdge, Florida Atlantic University; Robert T. Chapel, University Archives, University of Illinois at Urbana-Champaign; Jeanne Gamble, Library Associate, and Kathy Milam, Alumni Office, both at Urbana University, Urbana, OH; History Division, Portsmouth Public Library, Portsmouth, OH; Attila Kilinc, Department of Geology, University of Cincinnati, Cincinnati, OH; Charles C. King; Michael Schnipper; Martha Schrader; and Mary Ann Carleton. The committee is seeking volunteers to provide information or to write obituaries on deceased members of the Academy whose obituaries have not yet been written for The Ohio Journal of Science. Please contact The Ohio Academy of Science if you can assist in this effort. A two-page outline of instructions for preparation on obituaries in The Ohio Journal of Science, written by Ronald L. Stuckey, is available from the author or the Academy office.

The following is a list of deceased members of the Academy with the year joined and date of death, if known, whose obituaries have not yet been published in The Journal.

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<td>David C. Chandler</td>
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<td>Nancy R. Clendenon</td>
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<td>Margaret Fulford</td>
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<td>Francis J. Jankowski</td>
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<td>Eugene E. Mihalyka</td>
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<td>Paul B. Taylor</td>
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Daniel Raymond Atzenhoefer (1913–2000)

Daniel Raymond Atzenhoefer, age 87, Administrator Emeritus and 55-year public servant at the Ohio Department of Natural Resources (ODNR), died on 2 December 2000, at Riverside Methodist Hospitals, as a result of complications after being struck by a car on 27 October. In recognition of his contributions to conservation and environmental education, he was the recipient of the “Take Pride in America” award presented by President Ronald Reagan (1987), and was inducted into the Ohio Conservation Hall of Fame (1996). An author of technical and popular articles for conservation and military publications, he was the assistant editor of A Legacy of Stewardship: The Ohio Department of Natural Resources, 1949-1989 (edited by Charles C. King, 1990). The book was written on the occasion of the 40th anniversary of ODNR and includes two chapters (“Division of Civilian Conservation,” pp. 209-220 and “Division of Litter Prevention and Recycling,” pp. 221-232), by Atzenhoefer.

Joining The Ohio Academy of Science in 1952, Atzenhoefer affiliated with Section Natural Resources, was elected a Fellow (1955), and was accorded with the 18th Air Force and later to the 9th. Graduate studies at Stone Laboratory and was employed as a research assistant in limnology. He received a Masters degree in 1947, with a thesis on Ephemeroptera (mayflies). He is credited with defining “the day Lake Erie died,” when on 5 September 1953 he found that was absent from the lake for the next four decades. His research helped demonstrate the critical need for pollution controls that resulted in the remarkable improvements in Lake Erie water quality that have been experienced in the past decade. Dr. Britt joined The Ohio Academy of Science in 1950 and was elected a Fellow in 1957. He was also an author and co-author of papers and reviews published in The Ohio Journal of Science

Noah Wilson Britt (1913–2001)

Dr. N. Wilson Britt, Professor Emeritus of Entomology at The Ohio State University, died at age 88 on 17 May 2001 at Norton’s Hospital in Louisville, KY. Much of Dr. Britt’s professional career centered on teaching and research related to the aquatic insects of western Lake Erie, particularly the order Ephemeroptera (mayflies). He is credited with defining “the day Lake Erie died,” when on 5 September 1953 he found unusually low oxygen concentrations that had killed most bottom dwelling organisms. Among these was the pollution sensitive mayfly Hexagenia that was absent from the lake for the next four decades. His research helped demonstrate the critical need for pollution controls that have resulted in the remarkable improvements in Lake Erie water quality that have been experienced in the past decade. Dr. Britt joined The Ohio Academy of Science in 1950 and was elected a Fellow in 1957. He was also an author and co-author of papers and reviews published in The Ohio Journal of Science.

Noah Wilson Britt, son of the late Noah and Rebecca Garver Britt, was born on 30 January 1913 in the community of Lucas in Barren County, KY, and grew up on the family farm. Wilson graduated from Glasgow High School in Glasgow, KY, in June 1932. In September of that year he enrolled in Western Kentucky State Teachers College in Bowling Green, KY, and the following year he received a provisional elementary teaching certificate. For the next six years he taught in rural elementary schools and intermittently attended college, receiving a Bachelor of Science degree in 1939. While a college student, he worked as a laboratory assistant in general biology and bacteriology courses. Upon graduation he was granted a secondary teaching certificate and for the next two years he taught science at the Cave City High School, KY. In the summer of 1940 he attended classes at Franz Theodore Stone Laboratory, The Ohio State University’s biological field station on Lake Erie at Put-in-Bay, OH. Here he was inspired by the research of his future advisors, Professor Marion W. Boesel, David C. Chandler, and Thomas Huxley Langlois.

In 1941 Wilson married Mary Katherine Farris. World War II interrupted his plans to continue graduate studies at Stone Laboratory. He had taken a position as park ranger at Mammoth Cave National Park, KY, in the summer of 1942, but to help the war effort, in September of that year he signed as a civilian instructor for the Army Air Force Weather School at Chanute Field, IL. The following year Wilson enlisted in the Army Air Force and was assigned as a meteorology instructor at the same base until he was reassigned to the European Theater as a weather observer with the 18th Weather Squadron, attached first to the 8th Air Force and later to the 9th Air Force stationed in England. He held the rank of staff sergeant when honorably discharged at the end of the war, but remained in the Air Force Reserve for over 15 years. In 1946 he returned to graduate studies at Stone Laboratory and was employed as a research assistant in limnology. He received a Masters degree in 1947, with a thesis...
Charles E. Herdendorf

William Franklin Davis (1926–1991)

William Franklin Davis, age 64, physician and surgeon and lifelong resident of Kingsville, OH, died 3 January 1991 in MetroGeneral Hospital, Cleveland, OH. During World War II he served in the United States Army. A member of The Ohio Academy of Science since 1967, he affiliated in Section Conservation.

Born 3 April 1926, in Cleveland, OH, William Franklin Davis was the son of Clarissa (Flowers) Davis. At Michigan State University he received a BS in wildlife management (1949). After earning the MD from The Ohio State University College of Medicine (1955), Davis served one year of internship and four years of residency at Mount Sinai Hospital, Cleveland. Establishing a private practice in Kingsville, Dr. Davis was a physician and surgeon in general and orthopedic medicine.

In professional associations he held memberships in the American Medical Association, Ashtabula County Medical Association, and Ohio State
Medical Association. Interested in natural history, Dr. Davis was a member of several wildlife and mammalogical organizations, among them, the American Society of Mammalogists. In honorary societies he was elected to Kappa Delta Pi and Alpha Kappa Kappa.

At the time of his death, William F. Davis was survived by his wife, Patricia (Kerine) Davis whom he married in October 1975. A graveside service was held 7 January 1991 at Edgewood Cemetery, Ashylvania Township, OH, with the Reverend Steven Long of First Presbyterian Church officiating. The Jack W. Ross Funeral Home, Ashylvania, OH, was in charge of arrangements. Memorial contributions may be made to the American Red Cross or Animal Protective League.

William R. Burk

Robert Betzel Elliott (1926–2001)

Robert Betzel Elliott, age 74, retired family physician and long-time resident of Ada, OH, died on 4 January 2001 at Charlotte Regional Medical Center, Punter Gorda, FL. He was a United States Army veteran, serving in the Philippines during World War II. Named Ohio Family Physician of the Year (1985) and Ada's Distinguished Citizen of the Year (1988), Elliott was inducted into Ada Alumni Association's Hall of Honors (2000). Dr. Elliott joined The Ohio Academy of Science in 1968, affiliating with Section Medical Sciences.

Born 8 December 1926 in Ada, OH, Robert Betzel Elliott was the son of Floyd Milton and Rose Marguerite (Betzel) Elliott. He graduated from Ada High School, Ada, OH. After earning the BA (1949) from Ohio Northern University (ONU), he received the MD (1953) from the University of Cincinnati. Elliott was a Diplomate of the American Board of Family Practice and completed his internship at Charity Hospital, New Orleans, LA (1953-1954). Following his residency in pathology at Baptist Memorial Hospital, Memphis, TN (1958-1959), he devoted his medical career to specializing in family practice in his hometown of Ada until his retirement (1996). Serving on the staff of the ONU Health Service (1966-1970), he was also a team physician at Ada High School for several years. He was coroner of Hardin County, OH (1973-1993), and a member of the Ada Exempted Village School Board (1950-1976), serving for several years as vice president and president.

In professional organizations Elliott held memberships in the American Academy of Family Physicians, American College Health Association, American Medical Association, Hardin County Medical Society (president, 1964), Lima Academy of Family Physicians, Ohio Academy of Family Physicians, and Ohio State Medical Association. In societies he was a member of American Legion Post 185, Ancient Accepted Scottish Rite Valley of Columbus, Kenton Ellis Lodge 157, Masonic Lodge #4 F & AM, and Veterans of Foreign Wars Post 9301.

Surviving Robert Betzel Elliott are his wife Margaret Mary (Robichaux) Elliott whom he married on 26 August 1954; four sons, Howard A. of Findlay, OH, Michael D. and Douglas J. of Ada, and John C. of Grove City, OH; one daughter, Joan O. Raney of South Lyon, MI; nine grandchildren; and two brothers, John of Alexandria, VA, and Charles of Sidney, OH. A son, Robert Bruce, and a brother, Howard, preceded him in death. Visitation hours were held 7-8 January 2001 and prior to funeral services held 9 January 2001 at Hanson-Needy Funeral Home, Ada, with the Reverend Patrick Allen officiating. Interment took place in Woodlawn Cemetery, Ada. Memorial donations may be made to Ada Alumni Scholarship Fund or to Ohio Northern University, Biology Department.

William R. Burk

Warren Chase Ellis, Jr. (1919–1999)

Warren Chase Ellis, Jr., age 79, former organic chemist at Battelle Memorial Institute in Columbus, OH, died suddenly on 11 August 1999, at his home in Grandview Heights, OH. Active in community groups, Ellis was a longtime supporter of Columbus Light Opera and charitable organizations. In The Ohio Academy of Science, he joined (1960) and affiliated with Section Physical and Mathematical Sciences.

Warren Chase Ellis, Jr., born 15 September 1919 in Mexico, MO, was the son of Warren Chase and Trix Iro (Turley) Ellis. He received the BS (1940) from Iowa State College (now University) and intermittently took classes at The Ohio State University (1946-1951). While an undergraduate, he also served as an analytical chemist, United States Department of Agriculture, Experiment Station at Iowa State (1939-1940). His subsequent professional positions were: chemist (1940-1941) and junior research chemist (1941-1945), Monsanto Chemical Company, Nitro, WV; and research engineer (1945-1947), assistant supervisor (1948-1954), division chief (1954-1960), assistant department manager (1960-1961), and senior administrative assistant and senior project leader (beginning 1961), Battelle Memorial Institute, Columbus, OH. He retired in 1984. In research he was interested in agricultural chemicals, uses of organic catalysts, lubricants, leather, wood preservation, advanced jet fuels, criminalistics, technology transfer, and detergents.

Warren Ellis held professional memberships in the American Academy for the Advancement of Science, American Chemical Society, and American Leather Chemists Association. A member of the Trinity United Methodist Church, Grandview Heights, he was also an active member of several social and civic groups, among them: Battelle Senior Associates, the Buckeye Trail Association, the Cliff Heights Senior Center, Grandview-Marble Cliff Historical Society, the Men's Wednesday Breakfast Group at First Community Church, The Nature Conservancy, and the Northwest Garden Club.

At the time of his death, Warren Chase Ellis, Jr. was survived by his wife Mary Kay (Walton) Ellis whom he married in 1942; two sons, Warren Chase Ellis III and George Dunn; two daughters, Susan Ellis, and Jean Ellis Hicks; and step-sons, David and Barry Walton; grandchildren, Brian, Kari, Warren IV, Todd, Kelli, Chad, Singleton, Isabel, and Taylor; four great-grandchildren; and step-grandchildren, Tiffany, Troy, Brandon, Matt, Katie, Brent, Chelsea, and two step-great grandchildren. His first wife, Miriam “Pat” Bevington Ellis, preceded him in death. Memorial services were held 17 August 1999 at Trinity United Methodist Church with Dr. Frank Luchsinger officiating. Arrangements were by Deyo-Davis Funeral Home, Grandview Heights. Memorial contributions may be made to Columbus Light Opera, 177 Naghten Street, Columbus, OH 43215; Buckeye Trail Association, PO Box 254, Worthington, OH 43212; or American Medical Association, Hardin County Medical Society (president, 1964), Lima Academy of Family Physicians, Ohio Academy of Family Physicians, and Ohio State Medical Association. In societies he was a member of American Legion Post 185, Ancient Accepted Scottish Rite Valley of Columbus, Kenton Ellis Lodge 157, Masonic Lodge #4 F & AM, and Veterans of Foreign Wars Post 9301.

William R. Burk

Clara May (Queen) Frederick (1916–2000)

Clara May (Queen) Frederick, age 84, Professor Emerita of Biology at Urbana University, Urbana, OH, died 31 July 2000 at the Warren Memorial Hospital, Front Royal, VA. Among her numerous honors, she was named Citizen of the Year by the Urbana Area, OH, Chamber of Commerce (1985). Clara May was noted for her compassionate conviction in pursuing environmental and social causes, such as the preservation of Cedar Bog in Champaign County, OH, and campaigning for more women in graduate-level degree programs. Known for her floristic and ecological research on Cedar Bog and her pastime of growing plants, especially roses and orchids, Clara May published articles and a book in the scientific and horticultural literature. Earning the respect and admiration of students and colleagues, she is commemorated by her name as Clara May Frederick Biology Laboratory in Urbana University's Lewis and Jean Moore Center for Mathematics and Science. Joining The Ohio Academy of Science (1965), she affiliated with Section Plant Sciences, was elected a Fellow (1977), and became a life member (1985).

Clara May Queen, born 16 March 1916 in Douglas County, IL, was the eldest daughter of William Leslie and Cora Mabel (Hall) Queen. Receiving a BA (1946) from DePauw College, OH, she majored in history, biology, and English. Her early professional experiences were teaching history (1943-1945) at Olive Branch High School, Clark County, OH. Subsequently she was a teacher of general science (1955-1956) and substitute teacher of biology (1966), Urbana High School, Urbana, OH. After raising a family, Clara May commenced graduate studies in botany at The Ohio State University where she specialized in plant taxonomy and earned the MS (1964) and PhD (1967) under the guidance of boanist T. Richard
William Furness Jenks (1909–1999)

William Furness Jenks, age 89, economic geologist of North and South America and former professor and chairman of the Department of Geology at the University of Cincinnati, died 18 March 1999, at Anna Jaques Hospital, Newburyport, MA, from complications after a stroke. Dr. Jenks edited (1956) the Handbook of South American Geology: An Explanation of the Geologic Map of South America (Geol Soc Am, Memoir 65) which remains the primary reference tool on the subject for numerous years. Joining The Ohio Academy of Science in 1956, Jenks affiliated with Section Geology, was elected a fellow (1961), and became an emeritus member (1973).

William Furness Jenks, born 28 June 1909 in Philadelphia, PA, was the son of Horace Howard and Eloise Comstock (North) Jenks. After graduating from The Hill Friends School in Haverford, PA (1928), he attended Harvard University where he earned the AB cum laude (1932) and PhD in structural geology (1936). He completed the MA in geology (1933) at the University of Wisconsin. His Master's thesis entitled "The Geology of the Alkaline Stock at Pleasant Mountain, Maine." Based on similar research he published two articles (Am J Sci, 5th series 28:321-340; 1934; Am Mineralogist 19:476-479. 1934). His doctoral dissertation, "Geology of Portions of the Libby and Trout Creek Quadrangles, Montana and Idaho," focused on the structure and stratigraphy of the Belt Series rocks of these states. Several subsequent papers on this topic were published, among them (Am J Sci. 5th series 35:345-369. 1938, with Russell Gibson and Ian Campbell; and Bull Geol Soc of Am 52:363-380. 1941, with R. Gibson).

With Raymond J. E. Bill, began his professional career as a junior geologist (1936-1938), Texas Company, Denver, and assistant geologist (1938-1940) and geologist (1940-1945) Cerritos de Paso del Norte he studied the stratigraphy and volcanology of the region. During his free time, he also studied the geology of this area as a means to interpret the region. Changing his attention to teaching and research, Jenks was named United States Department of State Visiting Professor, Universidad Nacional de San Agustín de Arequipa, Peru (1945-1946). While there, he produced the Geologia de la Hoja de Arequipata 1:200.000 (Geological Institute of Peru). Published in English and Spanish, the map was the first sheet or geological quadrangle issued in Peru. His work formed the foundation for understanding the stratigraphy of southern Peru. Jenks established the first field school of its kind in Peru and also trained Peruvian geologists. Returning to the United States, he continued his academic career, becoming an assistant professor (1946-1949) and associate professor (1949-1955), University of Rochester. Subsequently, he became a professor of geology at the University of Cincinnati (1955-1979). Here Jenks headed the Department of Geology and directed the University Museum (1955-1966). Concurrently he was a Fulbright lecturer, University of Tokyo (1962-1965). From 1956 to 1964, he spent summers, as a consultant in Mexico, British Columbia, Yukon Territory, and the western region
of the United States. Among his research interests were mineral deposits of South America, disseminated copper deposits, tertiary volcanic rocks of western North America, and massive concordant sulfide ore deposits. He was noted for his field teaching and field trips. Teaching courses in structural geology, ore deposits, he guided 14 graduate students.

Among professional associations he held memberships in the American Association for the Advancement of Science, American Association of Petroleum Geologists, American Geophysical Union, American Institute of Mining Engineering, Geological Society of America (Fellow), Society of Economic Geologists, Sociedad Geológica del Peru, and Società Geologica Italiana. Elected to Sigma Xi, he also was an active member in the Rochester Association for the United Nations (director, 1950-1955; vice president, 1952-1954) and American Civil Liberties Union (chairperson chapter, 1976-1978). At the IX National Geology Congress, held 1997 in Peru, Jenkins received the Doctorate Honoris Causa from the University of Arequipa where the new building housing the geology department now commemorates him. He was known as the "Father of Peruvian Geology."

After he retired (1979), he and his wife moved to Newburyport, MA. There he devoted his attention to the cause of social justice, civil liberties, world peace, and environmental issues. He was a coordinator of the Merrimack Valley Council of Nuclear Weapons Freeze (1982-1985). Jenkins was responsible for planning, organization, and operation for the Central District Science Day held on the campus of The Ohio State University, Columbus. For example, in 1965, 820 high school science projects from 84 high schools were displayed and evaluated. The efficient operation of this event for eight years was a tribute to Johnson's organizational ability, considerable dedicated work, and genuine interest in educating youth in general science. His excellent leadership as Director of the event was recognized with special thanks in letters from Gerald Acker, Director of the Junior Academy, and Alfred B. Garrett, vice-president for research at The Ohio State University.

Born 23 March 1910 in Beresford, Clay County, SD, to Joel and Ida C. (Berquist) Johnson, Tillman Johnson was raised by an uncle and aunt, Magnus and Anna Jensen, following the death of his parents by age 13. Young Johnson received his primary and secondary education in the public schools of Beresford. Following graduation from Beresford High School (1928), Tillman worked at various kinds of employment to earn money, which he used to assist his brother's college education. Later, Tillman saved his money so that by 1935 he entered the University of South Dakota. He combined his studies with part-time employment as an assistant in botany, and earned a BA in botany (1939) and a state teachers certification in general science. His excellent leadership as Director of the event was recognized with special thanks in letters from Gerald Acker, Director of the Junior Academy, and Alfred B. Garrett, vice-president for research at The Ohio State University.

During the next four and one-half years (1941-1946) during World War II, Tillman served in the United States Army Infantry, attaining the rank of captain. For his services, he received a Bronze Star Medal, four theatre of operations medals, and a unit citation medal. As Captain of his Company, he directed the release of war victims from a concentration camp in Germany.

Upon returning to the United States following discharge from the Army, Johnson re-entered the University of Oklahoma and continued his botanical studies and employment as a graduate teaching assistant and microtechnician. He completed his MS in botany with a thesis on the "Development of the Foliage Leaves of Vinca rosea L." (August 1946). In September 1946, Johnson was hired as a staff microtechnician and photomicrographer in the Department of Botany and Plant Pathology at The Ohio State University, Columbus, a position he held for 11 years. During that time, Tillman was engaged in the part-time teaching of general botany and in continuing his graduate studies, which he completed with a PhD in botany (1959). His dissertation, "Morphological Investigations of Hymenocallis notata" (Cawd.) Herbert, was written under the direction of Professor Glenn W. Blaydes. In 1957, Johnson's status was changed to Instructor in Botany with his responsibilities primarily in the teaching of general botany. He was promoted to associate professor (1962), associate professor (1968), and upon retirement to associate professor emeritus (1980). During the 1970s and 1980s, Johnson was responsible for the laboratory sections of the General Botany Program, and supervised the graduate teaching assistants in that educational effort. He further served as an advisor for many undergraduate students majoring in botany, and as a technical advisor in research methods for graduate students in botany.

The Botany Department Dandelion publication for the year 1956 was dedicated to Dr. Johnson. As part of that dedication the graduate students wrote, "Tillman is known as one who is unselfish and generous with his time, lends a hand with pleasure and care, and the results of his labors emphasize once again that meticulous care in one's work, whatever it may be, is a thing of beauty to behold." During the year 1971, several students nominated Tillman for an Alumni Distinguished Award. His major research interest was in the initiation and development of foliage leaves and flowers.

Tillman Johnson held memberships in the Botanical Society of America and the American Institute of Biological Sciences. He was elected to the honorary societies of Phi Epsilon Phi, Sigma Xi, and Gamma Sigma Delta, and also to the military honorary fraternity, Scabbard and Blade. While at the University of Oklahoma as a member of the Graduate Men's Club, Tillman served as secretary-treasurer (1940-1941), and was designated president-elect (1941-1942) prior to entering military service. In 1991, Johnson and his wife moved to Delaware, but retained their membership in St. Andrews Christian Church (Disciples of Christ) in northern Columbus. His major hobby was photography.

Tillman Johnson was married twice, first to Martha V. Flowers, who died in 1976, and to Elizabeth A. (Lewis) Everton, who died in 1994. From his first marriage his extended family is three children, Robert who died in 1949, Alan J. and wife Terry of Seymour, IN, and Mary Ann (Johnson) Carlson and husband John of Delaware, OH. The extended family of his second wife are children David Everton and wife Florida of Memphis, TN, Janet (Everton) Stephenson and husband Ray of Milan, IL, and Marcia (Everton) Ihllendorf and husband Richard of Dublin, OH. Thirteen grandchildren and six great-grandchildren survive from both marriages, as well as a cousin, regarded as a sister, Dora Jensen of Beresford, SD. He was preceded in death by a sister and two brothers.

Memorial services were held 22 March 2001 at the First Religious Society of Newburyport. Memorial donations may be made to the charity of the contributor's choice. According to a memorial tribute by University of Cincinnati geologist, Leonard Larsen, "Bill Jenkins was a generous and happy man whose uncompromising honesty made him somewhat Lincolnesque" (Memorials, Geol Soc Am 31:47-49. 2001).
Clifford LeRoy Schrader (1937–2001)

Clifford LeRoy Schrader, age 63, Assistant Professor of Chemistry at the University of Akron, former science supervisor for Summit County Educational Service Center in Akron, OH, and longtime Chemistry teacher at Dover High School, Dover, OH, died 29 January 2001, at his home in New Philadelphia, OH, following a brief illness. In 1985 Dr. Schrader was selected third from 640 Ohio applicants for the National Aeronautics and Space Administration’s Space Shuttle Teacher Alternate. Noted and respected as a chemistry educator, he wrote nearly 24 publications, among them two high school chemistry books, Heath Chemistry (co-authored), and Heath Chemistry: Computer Test Bank (co-authored with Susan C. Nurrenbern, J. Dudley Herron, and David V. Frank, 1993). A member of The Ohio Academy of Science since 1965, he affiliated with Section Science Education (membership chairperson, 1975–1976; vice president, 1976–1977), was elected into fellowship (1980), and served in leadership (Executive Committee, 1977–1980; chairperson, Research Grants Committee, 1980–1981). An active member of the Academy, he presented over 15 papers at its Annual Meetings. Recognized for his exceptional teaching, Schrader won the Frederick K. Kreeger Award (1977) and the Acker Outstanding Teacher Award (1979), both jointly sponsored by Battelle Memorial Institute and the Academy.

Clifford LeRoy Schrader, born 16 April 1937 in Batesville, IN, was the son of Ernest Cord and Ethel Louise (Haessig) Schrader. Young Schrader earned his baccalaureate degrees from Purdue University: the BS in chemistry and mathematics (1960), MS in physics and science education (1965), and PhD in science education (1971). During the academic year of 1969, he was a teaching assistant for Professor Ralph W. Leifer at Purdue. Related to his doctoral dissertation, "The Effect of the Timing of the Presentation of Two Subordinate Informational Concepts on the Cognitive Process of Synthesis," is an 89-paged publication of the same title, co-authored with Herron J. Dudley, and available from the Educational Resources Information Center as ERIC document #ED063564.

While enrolled at Purdue, he began his teaching career at Crawfordsville High School, Crawfordsville, IN (1960–1961), where he taught seventh grade arithmetic and directed plays. His career then took him to East Tipp High School, IN (1961–1963), teaching physics, chemistry, general science, algebra, and geometry, as well as coaching football, basketball, and golf. Schrader taught at Dover High School, Dover, OH (1963–1990), instructing primarily in chemistry (and on occasion general science) and serving as Chairperson of the Science Department (1975–1983). At Dover he was a coach of tennis and basketball and advisor to the academic challenge team, chess club, science club, and the varsity cheerleaders. Schrader became manager of the Ohio Department of Education’s Hazardous Waste Removal Program, responsible for the removal of these wastes from science labs in the high schools of Ohio. During summers, he taught professional tennis.

Concurrently he was an instructor in mathematics (1965–1969), Tuscarawas County Branch of Kent State University. Following his high school teaching career, he became a science supervisor for Summit County Educational Service Center in Akron (1990–1998). He was also an adjunct professor at Ashland University (beginning 1985) and University of Akron (beginning 1993). Since the fall of 2000, Dr. Schrader became a visiting assistant professor of chemistry at University of Akron, teaching Honors Chemistry. He and colleague Julia Burdge (now at Florida Atlantic University) had proposed a course, Chemistry for Everyone, focused toward pre-service middle-level science teachers.

After Schrader's death, Professor Burdge took over the proposal and developed and taught the course in the summer of 2001. By the fall of 2001 the course had attracted more students and become very successful.

In advancing his teaching skills, Schrader attended numerous professional workshops and meetings, including conferences sponsored by the National Science Teachers Association and OAS. He led workshops in 1983 on teaching chemistry at Longwood College and on the Dryfus Institute Chemistry Materials at the annual meeting of the Science Education Council of Ohio. In advancing his education, he studied as a Shell Merit Fellow, Cornell University (1968) and Woodrow Wilson Fellow, Princeton University (1962). His research in teaching chemistry covered four areas: 1) Piagetian theory, 2) Bloom’s taxonomy, 3) problem solving, and 4) mastery learning. According to Schrader, he believed that “every student is important.” He sought “to teach every student as much as possible, not just the top 20% of students.” He had hundreds of students who pursued careers in science, particularly in chemistry. In recognition of his exemplary teaching, Schrader received numerous commendations: Jaycees Outstanding Young Educator Award (1972), Ohio Presidential Award for Excellence in Science Teaching (1984), Dreyfus Master Teacher Award, Kiwanis Outstanding Teacher (1985), Dover Education Association Excellence in Teaching Award, John Vaughn Award for Excellence in Education, American Chemical Society Regional and James Bryant Conant Awards, and the Ashland Golden Apple Award for Excellence in Teaching.

In professional organizations Schrader held memberships in the American Chemical Society (past president, Akron Chapter; member, Executive Committee, Wooster Section), Association of Presidential Awardees in Science Teaching (president, 1986–1989), Dover Education Association (member, Executive Committee), Indiana State Teachers Association, National Education Association, National Science Teachers Association, Northeast Ohio Education Association, Ohio Department of Education (Advisory Committee, 1987–1989), Ohio Education Association, Science Education Council of Ohio (past president), and Tippecanoe County Teachers Association (president, 1962–1963). A member of the honorary societies Phi Delta Kappa and Sigma Pi Sigma, he also belonged to MENSA. Concerned about community affairs, he was a cub scout leader; past president of the Tuscarawas Schools Credit Union; and member of the New Philadelphia Board of Education, New Philadelphia Park and Recreation Board, the Citizens for Human Concerns (committee chairperson for housing), and Citizens in Support of Schools. In sports, he was founder and president of the Tuscarawas Tennis Association and member of the Ohio Tennis Coaches Association, North East Ohio Tennis Association, and United States Tennis Association. He was a Sunday School teacher at the United Methodist Church, Dover, OH. Among his contributions to the Kosmont Cemetery Fund in care of Robert Landon, 466567 302 Street, Beresford, SD 57004, The De Vore-Snyder Funeral Home, 75 West William Street, Delaware, OH, was in charge of the arrangements.

Linda Sue (Martin) Schnipper (1960–1999)

Linda Sue (Martin) Schnipper, age 39, a science teacher at Wilson Junior High School in Hamilton, OH, died on 3 March 1999 of cancer. Nominated as Ohio Teacher of the Year in 1996, Schnipper was an ardent athlete. Joining The Ohio Academy of Science in 1985, she affiliated with Section Education.


With strong interests in athletics, she played on the Miami University field hockey team, winning the 1981 MAC championship. An aerobics instructor and avid golfer, she was also an area hockey official (1984–1990).

Linda Sue (Martin) Schnipper is survived by her husband Michael Schnipper whom she married on 20 July 1990 in Hamilton, Bermuda; parents; and one sister, Ann Munz of Naples, FL. A memorial service was held at the Oxford Presbyterian Church where Linda had served as an usher and deacon. Contributions in her remembrance may be made to the Linda Martin Schnipper Christian Education Fund, Oxford Presbyterian Church, 101 N. Main Street, Oxford, OH 45056, or to the Miami University Field Hockey Program.

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varied hobbies were reading, theater, and woodworking.

Clifford Schrader is survived by his wife, Martha Salom Schrader whom he married 20 August 1960; two daughters, Pam Reising of Seattle, WA, and Emily Schrader of New Philadelphia; and one son, Paul Schrader of New Haven, CT; his mother, one sister, Luella Hughes of Indianapolis, IN; three brothers, Errett Schrader of Marion, IN, Eugene and William Schrader, both of Batesville, IN; and one granddaughter, Katelyn. A daughter, Valerie, predeceased him. Visiting hours were held 2 February 2001 in the Toland-Herzig Monarch Church, Dover. The following day memorial services were held at the First United Methodist Church, Dover, with Dr. David Oliver officiating. At his request, Clifford Schrader was cremated. Memorial contributions may be made to the First United Methodist Church, 725 North Wooster Avenue, Dover, OH 44622-2503 or to a charity of the donor’s choice.

William R. Burk

Mark Schulzinger (1938–2000)


Born 26 September 1938 in Cincinnati, OH, Mark Schulzinger was the son of Harry and Dorothy Ann (Lapinow) Schulzinger. At the University of Cincinnati he earned the BS (1963) and MA (1965). His thesis entitled “Response Sets in a Structured Test Situation.” Concurrently he was a laboratory technician at Procter & Gamble, Cincinnati (1958-1963). His early professional experiences as a private psychologist were in Cincinnati (1966-1969) and in Springfield, MO (beginning 1978). Schulzinger also held other positions: staff psychologist, Cave Run Comprehensive Care Center, Morehead, KY (1969-1971); director, Mental Health Center, Warrensburg, MO (1971); director of psychological services, Joplin (MO) Diagnostic Clinic (1971-1976); director of psychology, Springfield Mental Health Services Center (1977-1978); university teacher, University of Cincinnati, Miami University (Oxford, OH), Morehead State University (KY), and Kansas State University, and consultant for battered and abused women, Springfield Park General Hospital (Springfield, MO). In community service, he was a lecturer, Board of Directors, Dogwood Trails Council, Girl Scouts of America. Elected to Sigma Xi, Mark was also a member of the American Academy for the Advancement of Science.

Mark’s interest in science fiction began when he was a boy. As soon as he learned to read, he was reading science fiction literature. His father, who subscribed to Amazing Stories (the first publication dedicated solely to science fiction), provided a home rich with literature of this genre. Mark was an active member of the First Fandom, an organization consisting of readers, writers, and collectors of science fiction. While serving for several years as Secretary/Treasurer of this club, he organized its annual reunions and assured that its newsletter was issued on a timely basis. He also helped to establish several new annual awards, among them the First Fandom Posthumous Hall of Fame Award in 1994, which honor was bestowed on Mark on 30 September 2000; and the first Sam Moskowitz Award in 1998, given for outstanding accomplishments in science fiction collecting.

His wife Sally Ellen Jayne Schulzinger, whom he married on 17 December 1970, survives. Graveside services were held 11 February 2000 at Phoenix Memorial Park, Phoenix, AZ. Arrangements were made by the Sinai Mortuary of Arizona. Memorial contributions may be made to Kivel Care Center, 3020 N. 30th Street, Phoenix, AZ 85018.

William R. Burk

John Paul Scott (1909–2000)

John Paul Scott, age 90, a Regents Professor Emeritus at Bowling Green State University, OH, for thirteen years, died 26 March 2000 at the Medical College of Ohio Hospital, Toledo. Scott’s primary interests were in animal behavioral genetics, development, and social behavior. In his honor, Bowling Green State University named its new research center the J. P. Scott Center for Neuroscience, Mind, and Behavior. Dr. Scott joined The Ohio Academy of Science (1966), affiliated with Section Psychology (vice president, 1968-1969), was elected a Fellow (1971), and became an emeritus member (1980).

John P. Scott, born 17 December 1909, in Kansas City, MO, to John W. and Eulalia Vivian (Armstrong) Scott, was the second of six children. He received a Bachelor of Arts degree at the University of Wyoming, majoring in zoology (1930). Awarded a Rhodes Scholarship to attend Oxford University, England, he took a first class in the honor school of natural science (1932) and completed a Bachelor of Arts degree (1932). Scott earned a PhD in zoology and developmental genetics (1935) from the University of Chicago. His dissertation entitled the embryology of guinea pigs, encountering the concept of critical periods that was destined to influence his later work. At the University of Chicago, Scott was a teaching assistant in zoology (1932-35). From there he became chairman of the Department of Zoology at Washburn College where he advanced from associate professor to professor (1935-1945). Scott moved to the Jackson Laboratory in Bar Harbor, ME, where he was chairman of the Division of Behavior Studies (1945-1957), advancing to senior staff scientist (1957-1965). While there, he served as a visiting professor of biopsychology at the University of Chicago (1958). He began his career at Bowling Green State University as a research professor and director of Graduate Studies in Psychology (1965-1967), and later was designated an Ohio Regents Professor (1968-1980). Concurrently, Scott was also the director of the Center for Research on Social Behavior. In 1980, he became Regents Professor of Psychology Emeritus. Scott was a research professor/visiting scholar in psychology at Tufts University (1982-1986), a visiting professor in biobehavioral sciences at the University of Connecticut (1984), and a faculty associate at the University of Chicago (1987-1988).

At the University of Chicago Scott worked on his PhD in zoology under the direction of Sewall Wright, the prime developer of the synthetic theory of evolution who had a major influence on Scott’s thinking. While in Chicago, he also initiated research in behavior genetics, working with fruit flies in association with W. C. Allee, another individual who greatly influenced his research. When Scott moved to the Jackson Laboratory in Bar Harbor, he founded a new division of behavior studies in which he worked for 20 years, developing the program into a group of eight staff members and post-doctoral fellows. Scott’s research interests were always informed by the great world events of his time and his concern with conducting research that might reduce violence, foster peace, and improve economic prosperity. Among his 237 publications was Animal Behavior (1958), an important early textbook in the field. His other books were: Aggression (1958), Early Experience and the Organization of Behavior (1968), Social Control and Social Change (with his wife Sarah) (1971), The Physiology of Aggression and Defeat (with B. Eleftheriou) (1972), Separation and Depression (with E. Senay) (1972), Guide Dogs for the Blind (with C. J. Pfafflenbeergeer) (1976), Critical Periods (1978), and The Evolution of Social Systems (1989).

Dr. Scott was a Fellow in the American Association for the Advancement of Science, American Psychological Association, Animal Behavior Society, and the New York Zoological Society. He was an active member of the American Society of Zoologists, Ecological Society of America (chairman, Section of Animal Behavior and Sociobiology, 1957-1958), Genetics Society of America, Behavior Genetics Association (president, 1975-1976), International Society for Developmental Psychobiology (president, 1972-1973), International Society for Political Psychology (member governing council, 1983-1984), International Society for Research on Aggression (co-founder, president, 1973-1974; member council 1975-1990), Association for Politics and the Life Sciences; and the International Peace Society. In fraternal societies, he was elected to Phi Kappa Phi, Phi Beta Kappa, and Sigma Xi.

Dr. Scott received honors and awards: Honor Society, University of Wyoming (1927-1930); Rhodes Scholarship, Oxford
University (1930-1932), Jordan Prize, Indiana Academy of Science (1947); Marine Psychological Association (president, 1955-1954); Eugenics Society (vice president, 1963); Center for Advanced Study in the Behavioral Sciences (fellow, 1963-1964); Ohio Regents Professorship (1968-2000); Special Achievement Award, Bowling Green State University (1974); Distinguished Alumnus Award, University of Wyoming (1976); Honor Symposium, Animal Behavior Society (1983); Dobzhansky Award for Eminent Research, given by the Behavior Genetics Association, (1987); Alumnus Honored for Outstanding Achievement, College of Arts and Sciences, University of Wyoming (1990); Distinguished Animal Behaviorist Award for Outstanding Career in Animal Behavior, Animal Behavior Society (1990).

John Paul Scott married Sarah "Sally" Fisher, who died in September 1978. He then married Mary-Vesta Marston on 30 June 1979. She survives, as well as a son, James David Scott, both of Bowling Green; two daughters, Jean Scott Franck, Blacksburg, VA, and Vivian Scott Hisson of East Lansing, MI; two sisters, Margaret Scott Filante, Philadelphia; and four grandchildren. He was preceded in death by a son, John Paul Scott, Jr. (1975). Burial was in Calais Cemetery, Calais, ME. Memorial contributions may be made to the J. P. Scott Center for Research in Neuroscience and Behavior; the J. P. Scott Jr. Memorial Fund at Trent University, Peterborough, Ontario; Jackson Memorial Laboratory, Bar Harbor, ME; or to the Sally Scott Memorial Fund in care of WGBU-TV, Bowling Green.

RELIA E. NIEDERHOFFER

Paul Raymond Shaffer (1910-2000)

Paul Raymond Shaffer, age 90, geologist and former Professor of Geology at Ohio Wesleyan University and the University of Illinois at Urbana-Champaign, died 3 November 2000 at his home in Marysville, OH. Recognized for his outstanding contributions in geology, he received the Orton Award from The Ohio State University in 1964, the second University of Illinois geologist to receive the honor. Among his publications are two books, published by Golden Press in the popular series, A Golden Nature Guide: Rocks and Minerals (co-authored with Herbert S. Zim, 1957, and subsequently reprinted in 1961 and 1963) and Fossils (co-authored with Frank H. T. Rhodes and Herbert S. Zim, 1962). Joining The Ohio Academy of Science in 1941, he affiliated with Section Geology and was elected a Fellow (1977), and in 1987 he became an emeritus member (1985).

Among his early work experiences were: salesperson, Goodyear Tire and Rubber Company (1928-1929); clerk, Electric Auto-Lite Company (1929-1930); and truck driver and other positions, Ohio Farmers Grain and Supply Company (summers of 1936). Shaffer's initial professional experiences were instructor in geology, University of New Hampshire (1939-1940), chief geologist, Banwy Water Collector Corporation, NY (1940-1944), associate professor and chairperson, Department of Geology, Ohio Wesleyan University (1944-1947), erosion engineer, State Department of Public Works, OH (1945-1947); and instructor, Conservation Laboratory, The Ohio State University (1945-1947). At the University of Illinois in Urbana-Champaign, he advanced from assistant professor (1947-1948) and associate professor (1948-1953) to professor (1955-1968) and concurrently served as associate provost (1966-1968). From 1961 to 1962, Shaffer took a leave of absence to serve as program director, institutes section, National Science Foundation, Division of Scientific Personnel and Education, Washington, DC. During the summer of 1961, he was co-director of the first NSF-AGI International Field Institute. In August of the following year he directed a six-week seminar on modern science and mathematics in secondary schools at University College, Ibadan, Nigeria. While on leave from the Urbana-Champaign campus, he directed the International Science and Development Section, National Science Foundation, Washington, DC (1966-1968). He then became director of the International Programs Office, National Association of State Universities in Washington, DC (1968-1975). In geology his research interests were ground water, glacial geology, geomorphology, and shore erosion problems. He discovered and developed several ground water supplies.

In organizations, he held memberships in the American Academy for the Advancement of Science, American Association of Petroleum Geologists, American Institute of Professional Geologists, Geological Society of America, Glaciological Society, National Association of Geological Teachers, and Society of Economic Paleontologists and Mineralogists. After retiring, Shaffer engaged in church and civic activities and also continued his involvement with academic and professional associations.

Preceded in death by his wife Gene E. (Hoppe) Shaffer whom he married in 1943, Shaffer is survived by one son, William H. Shaffer of Beacherton, MA; one daughter, Elizabeth A. (Betty) Holland of Phoenix, AZ; and two grandchildren, Christopher James Holland and William Paul Shaffer. He was preceded in death by two brothers, George B. Shaffer and Robert E. Shaffer; and one sister, Esther E. Shaffer. Memorial contributions may be made to Loving Care Hospice, 50 S Oak Street, London, OH 43140-1024 or to a charity of the donor's choice. Underground Funeral Home, Marysville, was in charge of arrangements.

WILLIAM R. BURK

Marcus Joseph Singer (1914-1994)

Marcus Joseph Singer, age 80, Henry Wilson Payne Professor Emeritus of Anatomy and former chairperson of the Department of Anatomy, School of Medicine and Professor of Biology and Co-Director of the Developmental Biology Center at Case Western Reserve University, died 8 October 1994 at his home in Cleveland Heights, OH, of congestive heart failure. He was a renowned researcher of regeneration and nervous tissue. A coordinator of the Medical Scientists Program at Case since 1971, he was a prolific author of scientific publications. Among his book publications are: The Human Brain in Sagittal Section, co-authored with Herbert S. Zim, (1957), and subsequently reprinted in 1961 and 1963) and Fossils (co-authored with Frank H. T. Rhodes and Herbert S. Zim, 1962). Joining The Ohio Academy of Science in 1941, he affiliated with Section Geology and was elected a Fellow (1977), and in 1987 he became an emeritus member (1985).

Born 28 August 1914 in Pittsburgh, PA, Marcus (Marc) Joseph Singer was the sixth of eleven children of immigrant parents Benjamin and Rachel (Gershenson) Singer. While attending high school, Singer worked to support his family. Due to his heavy work schedule, he did not earn enough credits to graduate with his classmates. For the subsequent four years he worked days driving a truck and completed his high school credit requirements by attending night classes. After receiving his diploma, he entered the University of Pittsburgh where he earned the BS (1938), cumma sum laude. That summer he studied at the Marine Biological Laboratory at Woods Hole. There he learned from such eminent embryologists as Viktor Hamburger, Oscar Schött, and Paul Weiss, among others. Singer then attended Harvard University, studying under the direction of Leigh Headley and receiving an MA (1940) and PhD in zoology (1942). His dissertation entailed "The Nervous System and Generation of the Pore-limb of Adult Triturus," under which title he published a series of seven articles in the Journal of Experimental Zoology (90:377-399, 1921, 92:297-315, 1934, 98:1-21, 1945, 101:221-239, 299-337, 1946, 104:223-249, 251-265, 1947). At Harvard he was Austin Teaching Fellow in Biology (1938-1939, 1941-1942) and a teaching fellow in zoology (1939-1941). Receiving an instructorship in anatomy and working under the guidance of noted medical biologist George B. Wislocki at Harvard University's Medical School, Singer served as an assistant (1942-1944), instructor (1944-1945), associate (1946-1948), and assistant professor (1948-1951).
Concurrently he was a tutor in biochemical science (1944-1948) and a visiting professor at Long Island College of Medicine, Brooklyn, NY (1950). His research at Harvard was considered so important that he was asked not to join the military during World War II.

Subsequently, he joined the faculty of the Department of Zoology and the Department of Child Development and Family Relationships, Cornell University, where he advanced from associate professor (1951-1953) to professor (1953-1961). While at Cornell, Singer was questioned in 1953 about his political affiliation by the United States House Un-American Activities Committee. Singer had become interested in the humanitarian aspects of communism in the early 1940s. During his hearings, he confirmed of having been a member of a club interested in communist topics; however, he never held a party card. Because he would not name others who belonged to the club at Harvard University between 1942-1951, he was convicted of contempt of Congress in 1956, fined $100 and given a three-month suspended sentence. A year later the United States Court of Appeals, District of Columbia, set the conviction aside. The case was then sent back to the Federal District Court with instructions to enter a judgment of not guilty. During this period, Singer remained on the payroll of Cornell and conducted research; however, he was suspended from his teaching responsibilities for three years. Taking a sabbatical leave, he studied on a visiting fellowship at the Dutch Brain Institute, Amsterdam (1959).

In 1961, Singer joined the faculty at Case Western Reserve University (CWRU) where he became Henry Wilson Payne Professor of Anatomy and chairperson of the Department of Anatomy, School of Medicine, and professor of biology. He and his former Cornell University colleague Howard Schneiderman established at CWRU the Development Biology Center of which he became a co-director. After suffering a stroke in September 1979, he relinquished his administrative duties in 1980, but continued teaching anatomy until 1985. He was also noted for supporting causes of women students, especially when they had difficulty gaining recognition in the postgraduate laboratory and classroom.

In professional associations he held memberships in the American Academy of Arts and Sciences (fellow, 1958), American Association for the Advancement of Science (fellow, 1954), American Association of Anatomists (chairperson and member, Trust Fund, 1969-1970), American Neurological Association, American Society of Zoologists (president, Developmental Biology Division, 1965), Association for Research in Nervous and Mental Diseases, Biological Stain Commission, National Association on Standard Medical Vocabulary, New York Academy of Science, Royal Society of Medicine (affiliate member), Society for Developmental Biology, Society for Neuroscience (president, Cleveland Chapter, beginning 1971), Society for the Study of Development and Growth (treasurer, 1962-1963, member, Executive Committee), and Society of Zoologists. Among honorary societies, he was a member of Sigma Xi. Receiving a Guggenheim Fellowship (1966-1967), Singer was also awarded two visiting professorships in Israel at the Hadassah Medical School, Hebrew University, Jerusalem (April-June 1974), and in the Faculty of Health Sciences, Ben Gurion University. Beer Sheva (April 1975-January 1976). He studied as a visiting scholar at the Institute of Endocrinology at Gunma University, Maebashi, Japan, and was a von Humboldt Senior Fellow in Kolin, Germany (1980-1981). Dr. Singer assisted in the publication of two professional journals: *Journal of Morphology* (associate editor, 1961-1964, 1969-1972, managing editor, 1965-1969) and *Journal of Experimental Zoology* (associate editor, 1970-1971; editorial board, 1970-1973/1974). In the National Institute of Health he was a member of the Cell Biology Study Section (1971-1974) and Neurology B Study Section (July 1976-June 1979).

In honor and appreciation of his scientific contributions, Singer's friends and academic associates established The Marcus Singer Club, sponsoring an annual Marcus Singer Symposium, the first being held 25 June 1982 at CWRU. The symposia focus on developmental biology and regeneration. The proceedings of the sixth International Marcus Singer Symposium, published under the title "Regeneration and Development" (1988), contains an autobiographical sketch by Singer and a list of his publications. Two tributes to Singer, each with a portrait, were published. One is by Ruth H. Nordlander, Margaret W. Egar, and Susan V. Bryant, Singer's former postgraduate fellows (*Dev Biol* 169(2):iv-vi. 1995). The other is a chapter in *Cellular and Molecular Basis of Regeneration* by Margaret W. Egar and Janet McCredie (1998, pp. 1-6).

At the time of his death, Marcus Joseph Singer was survived by his wife Leah Horelick Singer whom he married 8 June 1938 (and later divorced); two sons, Robert H. Singer of Shrewsbury, MA, and Jon Fredrick Singer of Cleveland Heights, OH; four sisters, Edythe Neiberg, Irene Kramer, and Anne Miller, all of Pittsburgh, PA, and Rhoda Hirsch of Buffalo, NY; two brothers, Melvin Singer of Pittsburgh, and Harry Singer of Boston, MA; and three grandchildren. Services were held 11 October 2001 in Pittsburgh.

William R. Burk

**James Franklin Smith (1919–1991)**

James Franklin Smith, age 71, resident of Columbus, MD, and former Chief Civil Entomologist for the United States Department of the Army, Chief of Engineers in Washington, DC, died on 16 February 1991 of a heart attack. Serving 35 years as an entomologist, Smith was also a member of the Department of Army Pest Management Board. Joining The Ohio Academy of Science in 1952, he affiliated with Section Zoology.

Born 17 May 1919, in Greenup County, KY, James Franklin Smith was the son of the Reverend William M. and Nola (Gayhart) Smith. He graduated from McDermott High School, McDermott, OH. In the United States Army Air Force he was a navigator instructor (1941-1945). At The Ohio State University Smith earned a BS in education (1949) and MS in entomology (1951). He completed his thesis, "Laboratory Tests to Compare the Toxicity of Several Organic Insecticides when Used as Rodent Tracking Poisons on Mice," under the supervision of entomologist Dwight M. Kramer, and Anne Miller, all of Pittsburgh, PA, and Rhoda Hirsch of Buffalo, NY; two brothers, Melvin Singer of Pittsburgh, and Harry Singer of Boston, MA; and three grandchildren. Services were held 11 October 2001 in Pittsburgh.

William R. Burk

**Myron Thomas Sturgeon (1908–2001)**

Dr. Myron T. Sturgeon, Professor Emeritus of Geology at Ohio University, died at age 95 of heart failure on 24 May 2001 at Doctors Hospital in Nelsonville, OH. "Doc" Sturgeon, as he was affectionately known to many friends, colleagues, and students, had a long career focused on Ohio geology, particularly Pennsylvanian-age rocks and fossils in eastern Ohio. In 1977 he was presented with the Orton Award for outstanding alumni of the Department of Geology at The Ohio State University. At the Sesquicentennial celebration of the Ohio Geological Survey in 1987, he was awarded the first Mather Medal, named after Ohio's first State Geologist, in recognition of his outstanding career-long contributions to the knowledge of the geology of Ohio. He joined The Ohio Academy of Science in 1935 and was elected a fellow in 1945. He was an active member of the Geology Section of the Academy, served as vice-president of this section (1948-1949), and was instrumental in hosting Academy meetings and visiting many Ohio high schools on behalf of the Academy.

Myron T. Sturgeon, son of Thomas H. and Leona Borton Sturgeon, was born on 27 April 1908 in Salem, Columbiana County, OH, and graduated in 1927 from Salem High School. Growing up in the heart of Ohio's coal country fostered an interest in geology that was further enhanced by his undergraduate education in geology with Professor George F. Lamb at Mount Union College in Alliance, OH. This foundation provided
The death of his wife, Carolyn Wolter Sturgeon in 1990, was a tragic loss for Doc. He had met her in his early teaching days and she had supported his work through the years. His daughters, Lynn Sturgeon of Athens and Sharon (Sal) DeMaria of Poway, CA, survive Dr. Sturgeon. Two granddaughters, Christina and Michelle DeMaria; a sister, Virginia Worman of Salem, OH; and two brothers, Franklin Sturgeon of Elkton, OH, and Walter Sturgeon of East Palestine, OH, also survive. His many friends, colleagues, and students will remember him fondly for his contributions to research and teaching.

The relationships with his wife, Carolyn Wolter Sturgeon in 1990, was a tragic loss for Doc. He had met her in his early teaching days and she had supported his work through the years. His daughters, Lynn Sturgeon of Athens and Sharon (Sal) DeMaria of Poway, CA, survive Dr. Sturgeon. Two granddaughters, Christina and Michelle DeMaria; a sister, Virginia Worman of Salem, OH; and two brothers, Franklin Sturgeon of Elkton, OH, and Walter Sturgeon of East Palestine, OH, also survive. His many friends, colleagues, and students will remember him fondly for his contributions to research and teaching.
In 1943 she joined the faculty of the Department of Geology and Geography, Western Reserve University (WRU) (now Case Western Reserve University). Following several years of teaching as an instructor (1943-1947 and 1949-1952), she advanced in the academic ranks from assistant professor (1952-1971) to associate professor (1971-1974). She retired in 1974. During World War II, Mildred presented lectures on geography and related topics to pre-flight Air Force students stationed at WRU. She also gave lectures on geographic subjects to Air Force students at WRU. During her academic career, Professor Walmsley taught a variety of courses: Fundamentals of Geography, Regional Geography of Anglo-America, Geography of Exploration and Settlement, Conservation of Natural Resources, Economic Geography, Meteorology, Cartography and Graphics (laboratory session), Raw Materials and International Affairs, and Climates of the Continents. On occasion she also taught Physical Geology. Mildred's students experienced her sense of humor whenever trick questions appeared on their exams. She was known to slip a sample of rock candy into samples of rocks and minerals for identification. She sometimes asked students to locate nonexistent places, such as Isle of Langerhams (part of the pancreas) or Dire Straits.

Mildred was a pioneer in teaching by television. In the United States only one other person taught a televised course for college credit before she presented Fundamentals of Geography by television in 1951. On the syllabus of this course (Geography 101) she used the term telecourse. In an article, "Televising Geography," (J Geo 52:253-257. 1953), she described this new teaching technique. Developing opportunities in television as a teaching medium, Mildred chaired the television committee of the National Council of Geography Teachers (now National Council for Geographic Education). Her geographical research took her to the West Indies, Northern Europe, Yukon Territory of Alaska, and various regions of Canada, including the Canadian Arctic. Among her publications is The Heckewelder Map 1796, a 27-page booklet, co-authored with Mary Lou Conlin (Western Reserve Historical Society Publication, No. 121). The text was issued in 1968 on the occasion of reprinting the Heckewelder map that includes the Connecticut Western Reserve.

Among the numerous University committees on which Mildred served, she provided leadership on the Mather Faculty Council (secretary), Mather Library Committee (chairperson), and staff of the Department of Geology and Geography (secretary). Outside academia, Professor Walmsley presented workshops in science for local primary school teachers. Frequently presented topics were rocks, minerals, fossils, and the geology of the Cleveland area. A well-liked lecturer in the greater Cleveland area, she gave talks in local churches and community centers.

In professional associations Mildred held memberships in the American Association of University Professors (treasurer, Western Reserve Chapter, 1955-1956), American Geographic Society, Association of American Geographers (secretary, East Lakes Division, 1953), National Council for Geographic Education, and Northeastern Council of Geographic Teachers (past president). Among honorary societies she was a member of Sigma Xi (secretary, Western Reserve Chapter, 1956-1959; member, Membership Committee, 1960-1962).

Surviving Mildred Marie (Danklefsen) Walmsley are two brothers, Ralph Danklefsen of Tucson, AZ, and Earl Danklefsen of Bellevue, OH. Her husband, William E. Walmsley, an attorney, whom she married 9 July 1958, preceded her in death in 1973. Busch-Saxton-Parker-Daniels Family Chapel of Lakewood, OH, was in charge of arrangements. Memorial contributions may be made to Hope Lutheran Church, 2222 N. Taylor Road, Cleveland, OH 44112.

William R. Burk