

**OBITUARIES OF THE MEMBERS OF THE OHIO ACADEMY OF SCIENCE
REPORT OF THE NECROLOGY COMMITTEE, 2006**

The Necrology Committee of The Ohio Academy of Science, chaired since 1992 by Historian-Archivist Ronald L. Stuckey, consists of William R. Burk, University of North Carolina, Chapel Hill, NC; Christopher Cumo, Canton, OH; and Relda E. Niederhofer, Firelands College of Bowling Green State University, Huron, OH. The committee also expresses its gratitude to the following individuals and institutions for providing information: Bobbi Bishop; Connie S. Crawford, Senior Advancement Specialist, Ohio Northern University; Barbara L. Floyd, Director and University Archivist, Ward M. Canaday Center for Special Collections, University of Toledo; Angela Gooden, Head, Geology-Mathematics-Physics Library, Kevin Grace, Head and University Archivist, Archives and Rare Books Library, and Warren Huff, Associate Professor of Geology, Department of Geology, University of Cincinnati; Thomas Richard Gottschang, Worcester, MA; John Craig Gottschang, Sawtee, GA; Carol Kocher; Heidi Hetzel-Evans, Public Information, Ohio Department of Natural Resources, Natural Areas and Preserves, Columbus, OH; Sandy Kull, City of Lancaster, Cemetery Department, Lancaster, OH; Bea Larsen, Cincinnati, OH; Bruce Leach, Head Librarian, Biological/Pharmacy Library, Raimund E. Goerler, University Archivist and Professor, Bertha L. Ihnat, Library Associate, University Archives, Nancy H. Rogers, Dean, Moritz School of Law, The Ohio State University; Laura Jones, The Ohio Department of Natural Resources; Nancy McDonald, Xavier University; Beth Elyse Popich, Milford, OH; Mindla Rosen, Infection Control Services, Inc., Columbus, OH; Mary-Louise Russell, Columbus, OH; Scott Sanders, University Archivist, Antiochiana, Olive Kettering Library, Antioch College; Charlotte Shaffer, Toledo, OH; Elizabeth Weinstock; Dr. Glenda Wickstrom, Medical Director, Geriatric Services, The Center for Healthy Aging, Billings, MT; Ruth Davidson, Columbus, OH; and Jennifer K. Nieves, Archivist-Registrar, Dittick Medical History Center, Allen Medical Library, Cleveland, OH. The Academy office files may contain additional published and unpublished information on the deceased members treated in this report.

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*.

WILLIAM R. BURK, ACTING CHAIR

NAME	DATE OF DEATH	YEAR JOINED
John B. Brown	17 February 2003	1954
Jane Forsyth	19 September 2006	1952
Isaac Knoll	11 July 2003	1964
Irving Mayer	25 March 2004	1959
Edward Eugene Slowter	5 June 2006	1971

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HARLEY ELLSWORTH BAKER, JR. (1907 – 2005)

Harley Ellsworth Baker, age 97, former newspaper carrier and naturalist, died 8 April 2005 at the home of a friend in Sugar Grove (Fairfield County), OH, of acute renal failure. The Wheaton Club, an organization comprised of field naturalists in central Ohio, honored Baker as its Member of the Year (1988) for his contributions to natural science. Joining The Ohio Academy of Science in 1980, he affiliated in Section Anthropology/Sociology and became a life member.

Born 28 December 1907 in Uniontown (Stark County), OH, Harley Ellsworth Baker, Jr. was the son of Harley Ellsworth Sr. and Sarah Josephine (Stambaugh) Baker. In 1913 the family moved to Lancaster, OH, where young Baker attended public schools for four years. He then completed his elementary education in a one-room school and graduated from Crawfis High School (1925). After attending Fairfield County Normal School (1925-1926) in Lancaster, Baker taught grades five through eight at Hamburg Elementary School (1926-1927) in Fairfield County. He matriculated at Ohio University (1927-1930), but fifty-two years intervened until he completed his B.S. in education (1982) with a major in biological sciences.

When Baker left OU, he started a newspaper route that developed into a successful business. The venture eventually consisted of a number of trucks that delivered not only newspapers but also wholesale auto parts to 23 towns in central and southeastern Ohio. He maintained the delivery routes until his retirement in January 1970 with the exception of serving in the United States Navy during World War II. His military service included duty on the light carrier Savannah as a radar operator in the Atlantic and Mediterranean.

In 1960 Baker bought nearly 160 acres of land in northern Hocking County, where he developed a tree farm and eventually built a house. Over the years he planted numerous trees: 6,500 white pines, 2,500 black walnuts, 500 black locusts, 500 tulip poplars, 750 sweet gums, and 300 hybrid poplars. Baker placed his land under an easement with the Division of Natural Areas and Preserves of the Ohio Department of Natural Resources in 1963. The easement restricts development on most of the property, which is now privately owned by another party.

In organizations Baker held memberships in the Brooks Bird Club, the Canal Society of Ohio, the Columbus Astronomical Society, the Historical Society of Hocking County, the Licking County and Hocking Valley Audubon societies, the Ohio Historical Society, and the Wheaton Club (president, 1990-1991). He was also a member of the Veterans of Foreign Wars. Baker was a naturalist of wide interests, including astronomy, bird watching, archaeology, and botany. A popular tour guide, he led excursions for the Ohio Historical Society and the Audubon Society.

Harley Ellsworth Baker was predeceased by his wife Ruth M. (Shaver) Baker and his infant son Charles Edwin Baker. He is survived by two brothers, Robert E. Baker and Richard V. Baker. Halteman-Fett & Dyer Funeral Home in Lancaster was in charge of arrangements. Graveside services were held on 13 April 2005 at Forest Rose Cemetery in Lancaster. Memorial contributions may be made to Bremen Holiness Church, 1300 Mount Zwingli Road Southeast, Bremen, OH 43107.

WILLIAM R. BURK

ROBERT CAHILL BAUMILLER (1931 – 2006)

Robert Cahill Baumiller, age 75, associate dean of health programs and professor of biology and philosophy at Xavier University in Cincinnati, OH, died 13 July 2006 at Good Samaritan Hospital in Cincinnati of an embolism following heart surgery. Both a scientist and a Catholic priest, Baumiller combined interests in biology and ethics. His honors include the Winkler Memorial Award for Contributions to Medicine (1975) and the Carroll Medal (1984), awarded by Loyola College in Baltimore, MD, to its outstanding alumnus. Baumiller joined The Ohio Academy of Science in 2004 and was elevated to Fellow in 2005.

The son of Bernard Joseph and Margaret Christine (Sullivan) Baumiller, Robert Cahill Baumiller was born 15 April 1931 in Baltimore. A graduate (1949) of Loyola High School in Towson, MD, Baumiller received a B.S. in biology (1953) from Loyola College, and he subsequently entered the Society of Jesus (the Jesuits) at the Novitiate of St. Isaac Jogues in Westerville, PA. He received a B.A. in philosophy (1959) from St. Louis University in St. Louis, MO, continuing at the university for graduate studies and holding a National Science Foundation Pre-Doctoral Fellowship (1960-1961). Baumiller received a Ph.D. in biology (1961) and a Licentiate in Philosophy (1961) from St. Louis University and a Bachelor's in Sacred Theology (1964) from Woodstock College in Baltimore. In 1965 Cardinal Lawrence Sheehan, archbishop of Baltimore, ordained Baumiller a Roman Catholic priest in Woodstock College's chapel. Between 1967 and 1971 he served his tertianship, the final period of formation in becoming a Jesuit, at the Jesuit Martyrs Shrine in Auriesville, NY.

A recipient of the March of Dimes Birth Defects Foundation Postdoctoral Fellowship (1961-1962), Baumiller was a postdoctoral fellow at the University of Wisconsin (1961-1962) in Madison, under the direction of James Crow; at the Indiana University (Summer 1963) in Bloomington, under the direction of Nobel laureate Hermann J. Muller; and at the University of Washington (Summer 1964) in Seattle, under the direction of Laurence Sandler. Baumiller was a research associate (1962-1967) at Woodstock College's Institute for Natural Science and an assistant (1963-1967) in medicine at The Johns Hopkins University School of Medicine in Baltimore. He was assistant professor of biology (1967-1971), assistant professor of obstetrics and gynecology (1967-1971), lecturer in biology (1971-1991), associate professor of obstetrics and gynecology (1971-1981), associate professor of pediatrics (1973-1981), professor of obstetrics and gynecology and of pediatrics (1981-1991), and adjunct professor in the department of community and family medicine (1984-1991) at Georgetown University in Washington, DC. Upon leaving Georgetown, Robert Baumiller was professor of health sciences (1991-1994) and distinguished professor of biology and ethics (1991-1994) at the University of Detroit Mercy in Detroit, MI; professor in the department of biology (1995-2006) and professor of philosophy (1998-2006) at Xavier University; guest professor in the division of human genetics (1997-2006) at Children's Hospital Medical Center in Cincinnati; an affiliate faculty (2001-2006) at the Kennedy Institute of Ethics in Washington, DC; and an adjunct professor in the School of Allied Health Sciences (2002-2006) at the University of Cincinnati.

Concurrently Baumiller was director (1970-1985) of the Cytogenetics Laboratory at Georgetown University Hospital; senior research scholar (1972-2001) at The Joseph and Rose Kennedy Institute for the Study of Human Reproduction and Bioethics in Washington, DC; director of the division of genetics in the department of obstetrics and gynecology (1974-1991) and of the National Center for Education in Maternal and Child Care (1982-1991) at Georgetown University; dean (1991-1994) of the College of Health Sciences at the University of Detroit Mercy; and associate dean (1995-2006) for health education programs at Xavier University.

Baumiller served on numerous committees and boards, among them: the Board of Directors of the Sex Information and Education Council of the United States (1970-1973), the Board of Governors of the Institute for Advanced Studies at the Forensic Sciences Laboratory (1975-1977), the Medical Advisory Board of the Hemophilia Foundation (1975-1991), the Visiting Committee for Pre-Med/Pre-Dental Program at Boston University (1976-1979), the Postdoctoral Fellowship Evaluation Panel of the National Research Council (1976-1979), the Medical Advisory Board of the Childbirth Education Association (1977-1991), the Board of Directors of the Hoya Hoop Club (1979-1991), the March of Dimes Advisory Committee on Education for Responsible Childbearing (1980-1981), the Advisory Council of the Archdiocesan Parent Association for Residential Services for Persons who are Mentally Retarded (1981-1991), the Advisory Committee of the Curriculum Development Project for The Center for Education in Human and Medical Genetics (1982-1986), the March of Dimes Professional Advisory Committee (1983-1991), the Advisory Committee of the Alliance of Genetic Support Groups (1985-1994), the Panel on Genetics of the Congressional Office of Technology Assessment (1986-1987), the Dean's Faculty Council on Bioethics and the Medical Humanities (1988-1991), the Education Committee of the Conference of Regional Genetics Networks (1988-1994), the Advisory Committee of the Georgetown *Medical Bulletin* (1989-1991), the Advisory Committee of the Lombardi Cancer Center Information Service (1989-1991), the Coordinating Committee for Health Promotion-Disease Prevention (1990-1991), the National Institutes of Health Special Study Panel on the Genome Project (1990-1991), the Board of Trustees of Loyola College (1990-1993),

the Board of Trustees of St. Louis University (1991-2003), the Medical-Moral Advisory Board of the Archdiocese of Detroit (1991-1995), the Steering Committee of the Greater Detroit Area Health Council's Center for Community-Based Health Systems Development (1993-1995), the Advisory Committee on Genetic Diseases of the State of Michigan Department of Public Health (1994-1995), the Ethics Committee of the Great Lakes Area Genetics Network (1995-1999), the Institutional Animal Care and Use Committee of the University of Cincinnati (1996-2006), the Goals and Organization Sub-committee of the North Central Re-accreditation Steering Committee (1997-1999), the Board of Directors of the Bioethics Network of Ohio (1998-2006), the Board of Advisors for the Learning Exchange for Genetic and Environmental Disease Solutions of the Center for Environmental Genetics at the University of Cincinnati (1998-2006), the Expert Committee for the Gaucher Disease Initiative of Project Hope (1999-2006), the Genetics Task Force of the State of Ohio (2000-2003), and the Advisory Committee on Genetic Testing of the United States Department of Health and Human Services (2002).

Baumiller was associate editor of *The Linacre Quarterly* (1971-1978); of *Down's Syndrome* (1978-1990); and of *BIO Quarterly* (2001-2002), a publication of the Bioethics Network of Ohio; and was educational resources review editor for the American Society of Human Genetics Education *Newsletter* (1987-1993). He chaired the Bylaws Committee of the Mid-Atlantic Region Genetics Network (1984-1988), the Georgetown University Committee on Scientific Integrity (1987-1990), the Ethics Committee of the Council of Research Genetics Networks (1991-1995), the "Salute to Babies" campaign of the Southeast Michigan Chapter of the March of Dimes (1993), the Institutional Review Board (1996) and the Professional Review Board (2000) at Xavier University, and the Goodwyn Institutional Review Board (1999). Baumiller co-chaired the Data Access Subcommittee of the Michigan Health Management Information System (1994-1995) and the Ethics Committee of Bayley Place (2002). He was vice-chair of the Executive Committee of the Detroit Community-Based Public Health Consortium (1993-1995) and an ethics advisor to Franciscan Hospital (1998-2000) in Dayton, OH. He also served as a consultant to the following: the Pope John XXIII Medical-Moral Research and Education Institute (1975-1980), the Public Health Service of the United States Department of Health, Education and Welfare (1978-1982), the International Childbirth Education Association (1984), the President of the University of Alabama at Birmingham (1991-1992), and the National Heart, Lung and Blood Institute of the National Institutes of Health (1993-1998). Under the influence of Hermann Muller, Baumiller concentrated his early research on the genetics of *Drosophila*. In later years his interests broadened to include genetic counseling, genetic engineering, birth defects, and the Human Genome Project. His more than 140 articles and reviews appeared in numerous journals, newsletters, and encyclopedias, among them the journals *Science*, *Genetics*, and *Nature*.

Baumiller enjoyed playing bridge, and he liked to travel, visiting China, Egypt, and several countries in Europe. Many of these visits stemmed from invitations, evidence of Baumiller's international reputation. His secretary Nancy McDonald recalls his dry wit. The better people got to know Baumiller, the better they liked him, remarked McDonald.

Surviving are sisters Dorothy Ann (Baumiller) Flannery of Davie, FL, and Harriet Pope (Baumiller) Perrelli of Towson, MD. The family held visiting hours and a funeral service 19 July 2006 at the Chapel of Loyola Blakefield in Towson. Baumiller was buried 20 July at the Jesuit Cemetery in Woodstock, MD. Friends may make contributions to the Maryland Province of the Society of Jesus in care of Reverend William J. Waters, S.J., 5704 Roland Avenue, Baltimore, MD 21210. Interested parties may consult Baumiller's obituary in the Cincinnati *Enquirer* and curriculum vitae on file in the office of The Ohio Academy of Science.

CHRISTOPHER CUMO

CLAYTON WAYNE ELLETT (1916 – 2006)

Clayton Wayne Ellett, age 89, Professor Emeritus of Plant Pathology at The Ohio State University, died 6 January 2006 at his home in Worthington, OH, after an extended illness. He authored two books as well as numerous articles on plant pathology in scientific journals. Recognizing his scientific investigations in plant pathology and his service to OSU, the trustees named the Plant and Pest Diagnostic Clinic in Ellett's honor in 1966. He also actively served the North American Mycological Association, which paid tribute to him with an award in 1974 for his contributions to amateur mycology. Joining The Ohio Academy of Science in 1947, he affiliated with Section Plant Sciences and was elected a Fellow in 1951. In the Academy, Ellett was treasurer (1966-1974) and president (1976-1977). When stepping down from the latter post, he gave his presidential address on "Mushrooms and Molds: Habits and Habitats," which was published (*Ohio J Sci* 77:155-163, 1977).

Clayton Wayne Ellett, born on 12 November 1916 in Northfield, Summit County, OH, was the son of Clayton Darrow and Ida Marie (Phillips) Ellett. He lived on a farm near Hudson, OH, and graduated from Hudson High School in May 1934. He then matriculated at Kent State University where he earned the B.S. degree in botany (1938). Ellett pursued graduate studies in botany with an emphasis in plant pathology at The Ohio State University, earning an M.S. (1940) and a Ph.D. (1955). His Master's thesis, completed under the direction of Wilmer Garfield Stover, concerned the "Resistance of Inbred Strains and Crosses of Dent Corn to *Helminthosporium* Leaf Blight." He completed his doctorate under the supervision of Stover and Clyde Clarence Allison and wrote his dissertation on "The Parasitic Fungi of Ohio Plants," which was published in part (*Ohio J Sci* 57:236-242, 1957). Concurrently, he was a graduate assistant in the Department of Botany (1939-1943) and an assistant in Extension Plant Pathology, OSU (June to October 1939, 1940, 1941; April to October 1942, 1943). His doctoral studies were interrupted by military service, first as a private in the Medical Corps, United States Army (May 1944-August 1944), then as a communications officer (lieutenant, junior grade), United States Navy (August 1944-August 1946).

He returned to OSU where he joined the faculty in the Department of Botany, which subsequently became the Department of Botany and Plant Pathology in 1948. He advanced in the academic ranks: instructor (1946-1955), assistant professor (1956-1959), associate professor (1959-1967), professor (1967-1981), and professor emeritus (1981-2006). Following the establishment of a Department of Plant Pathology at OSU in 1967, Ellett remained in the Department of Botany during the academic year (1967-1968), then held a split appointment between the two departments (1968-1969), and subsequently became a full-time faculty member in the Department of Plant Pathology in July 1970. He taught courses in botany, mycology, and plant pathology. He was a research assistant in plant pathology at the University of Minnesota (1 April to 1 September 1948). Ellett participated in the Wheat Stem Rust Survey of Ohio (summer 1950) and the Soybean Cystnematode Survey of Ohio (1957), each jointly sponsored by the Ohio Department of Agriculture and the United States Department of Agriculture. During several summers, he also took part in plant disease and insect surveys sponsored by the Plant Pest Control, Agricultural Research Service, United States Department of Agriculture (1951-1957, 1961-1967). In 1970 Ellett became the director of the Plant Disease Clinic at OSU and developed the operation into a leading center for diagnosing plant diseases.

Promoting instruction in biology, Ellett was a consultant in India sponsored by the United States Agency for International Development as part of The Ohio State University/India Education Project. He participated in the Summer Institutes in Biology, first at Banaras Hindu University (June to July 1964), and then at the University of Kalyani (June to July 1965). He was also a consultant in biology for the Special Projects in Science Education, National Science Foundation by working in its Traveling Science Teacher Demonstration Program (summer 1959) and in its Undergraduate Research Participation Program (summer 1960).

Specializing in ornamental plant, cereal, and forage crop diseases, Ellett directed his attention to *Helminthosporium* leaf diseases of corn in Ohio, diseases of *Bromus inermis* (smooth brome) in Minnesota, and parasitic fungi of Ohio. Based on a lifetime of research, Ellett published an "Ohio Plant Disease Index" (*Special Circular* 128, Ohio Agricultural Research and Development Center, The Ohio State University, Wooster 1989). The index enumerates diseases and their causal agents on native and cultivated plants. With Lansing E. Williams, he co-authored "Plant Pathology in Ohio: A History of the Discipline at The Ohio State University and the Ohio Agricultural Experiment Station" (Ohio Agricultural Research and

Development Center, The Ohio State University, Wooster 1998).

In professional associations, Ellett held memberships in the American Institute of Biological Sciences, the American Phytopathological Society (Teaching Committee, 1962-1964), and the Mycological Society of America. He was an active member in scientific clubs including the Columbus Audubon Society (trustee, life member) and the North American Mycological Association (charter member, trustee, and membership secretary). He was a popular presenter of talks on mushrooms in these and other clubs. In honorary societies, he was elected a member of Sigma Xi; Phi Epsilon Phi (president, 1944); Gamma Alpha, Pi Alpha Xi; and Gamma Sigma Delta, which honored Ellett with a Faculty Award of Merit (1973). A member of the Overbrook Presbyterian Church, Ellett was an elder. His pastimes included photographing nature (particularly mushrooms and trees), hiking in state parks, stamp collecting, birding, and working in his yard.

Clayton Wayne Ellett is survived by his wife Mary M. (Hall) Ellett, whom he had married on 10 July 1954; one daughter, Rebecca Sloan of Oak Ridge, NC; one brother, Clarence A. Ellett of Norwalk, OH; two grandsons, Marshall Brandt McCorkle of Baltimore, MD and Christopher Sloan of Sumpter, SC. Ellett was predeceased by his brother Dwight P. Ellett of Hudson, OH. In abiding with Ellett's wishes, no formal service was held. The Rutherford-Corbin Funeral Home, Worthington, OH, provided cremation service and arrangements. Memorial contributions may be made to the Overbrook Presbyterian Church, 4131 North High Street, Columbus, OH 43214, or to the Leukemia and Lymphoma Society, 2225 City Gate Drive, Columbus, OH 43219.

WILLIAM R. BURK

DONALD EMERSON GEIST (1905 – 2006)

Donald Emerson Geist, age 100, former biology and science teacher at Bellefontaine High School, Bellefontaine, OH, died 24 January 2006 in Mary Rutan Hospital in Bellefontaine. Active in civic affairs, he earned several awards and honors in recognition of his community service, including the Distinguished Service Award from the Bellefontaine Jaycees (1972); the Rockwell Award for Outstanding Contribution to the Welfare and Betterment of the Community (1972); the First Distinguished Citizen Award for 38 years of service to scouting in Logan County, OH, from the Tecumseh Council, Boy Scouts of America (1978); and the Outstanding Senior Citizen Award from the Ohio Commission of Aging (1979). At age 91, he carried the Olympic torch through Union County, OH. Joining The Ohio Academy of Science in 1951, Geist affiliated with Section Science Education, was elected a Fellow in 1965, and became a Life member in 1981.

Born in Henry County, OH, on 28 April 1905, Donald Emerson Geist was the son of Henry and Ede Overhuls Geist. He earned a B.A. in 1929 from Ohio Northern University (ONU). He was a postgraduate at Wittenberg College, The Ohio State University, and Miami University. Geist taught science, mathematics, and English at Hartville, OH, from 1930 to 1931. Subsequently, he moved to Bellefontaine where he taught biology and science for 36 years (1931-1967) at Bellefontaine High School. He judged science fairs for many years at the local, district, and state level. Geist was a charter member of the National Association of Biology Teachers and a charter student in the Conservation Laboratory at Tar Hollow State Park, Laurelville, OH (1940). Geist provided leadership in education, serving as the past president of the Bellefontaine Teachers Association and the treasurer of the Logan County Retired Teachers Association. In addition, he also held memberships in the following educational associations: the Ohio Education Association, the National Education Association, and the Ohio Retired Teachers Association.

Geist held memberships in a number of other organizations. He was a member or affiliate of a number of other societies, including: the Council 101 Farm Bureau; AAA Club; Ohio Club; International Society of Arboriculture; Tecumseh Council of Boy Scouts of America; Nature Conservancy; the Logan County Historical Society; Kiwanis Club; Resource, Conservation and Development Commission for Logan, Union, and Champaign counties; the Bellefontaine Tree Commission; Board of Zoning Appeals; Combined Advisory Group for Home Health and Special Projects; the Extension Advisory Committee; and the American Association of Retired Persons. In fraternal organizations, he belonged to the Masonic Lodge 209 Bellefontaine Commandery, Royal Arch Masons, Logan Council 85, the Ancient Scottish Rite, the Antioch Temple-Shrine, Order of the Arrow, and the Logan County Shrine Club. A member of the Bellefontaine United Methodist Church, Geist was a Sunday School teacher for 30 years, taught the men's Bible class, served on the administrative board and the Pastor-Parish Relations Committee, and was a member of the Methodist Men's Club.

Donald Emerson Geist was predeceased by his wife Geraldine E. Park, whom he had married on 5 June 1929, in Springfield, OH. Following her death on 3 December 1988, he established the Geraldine Park Geist Scholarship at ONU for students preferring studies in music or the languages. After Donald's death, the scholarship was renamed the Donald and Geraldine Park Geist Scholarship. Geist was also preceded in death by a brother, William Geist, and a sister, Mary E. Mayer. Survivors include daughters Jean (Peter) Spang of Toledo, OH, and Joanna Packard of Fairview Park, OH; sisters Myra Orthwein of Malinta, OH, and Isabel Aderman of Vera Beach, FL; grandchildren Janna (Terry) Krom, Jerry (Cindy) Comisso, Cathy (John) Blay, and Mark (Sandy) Spang; and six great-grandchildren. Visitation hours were held at the Eichholtz Funeral Home, Bellefontaine, on 27 January 2006; followed by a Masonic service. On the following day the Reverend William Zeller conducted the funeral service. Burial was in Fairview Cemetery, Belle Center, OH. Memorial contributions may be made to the Donald and Geraldine Park Geist Scholarship at Ohio Northern University, 525 South Main Street, Ada, OH 45810.

REIDA E. NIEDERHOFER

JACK LOUIS GOTTSCHANG (1923 – 2005)

Jack Louis Gottschang, age 82, Professor Emeritus of Biology at the University of Cincinnati in Cincinnati, OH, died 23 April 2005 at WellSpring at Evergreen Health Care Center in Cincinnati of natural causes. An authority on birds, mammals and reptiles, Gottschang excelled as both a teacher and a scholar. Joining The Ohio Academy of Science in 1961, he affiliated with Section Zoology, was elected a Fellow in 1966, and became an Emeritus in 1998.

The son of Louis and Catherine (Frasier) Gottschang, Jack Louis Gottschang was born 16 February 1923 in Woodland, CA. In 1941 he entered San Jose State College in San Jose, CA. He interrupted his studies in 1944 to serve in the United States Navy. A lieutenant, Gottschang commanded a Landing Ship Tank, an amphibious craft that ferried Marines from ship to shore. He saw combat in October 1944, landing Marines on the Philippines during the Battle of Leyte Gulf, a climactic battle in the reconquest of these islands. Honorably discharged in 1945, Gottschang returned to SJSC and received a B.A. with great distinction in 1947. He was the first in his family to receive a college degree. In 1950 he received a Ph.D. in zoology from Cornell University. That fall he became assistant professor of biology at the University of Cincinnati, where he advanced through the ranks to professor and served as chair of the Department of Biology (1973-1983). Gottschang taught vertebrate zoology, genetics, and introductory courses in biology. His tenure at UC coincided with the rise of large classes in introductory courses, and it was in his capacity as instructor of introductory biology that numerous students came to know Gottschang. Over the years, son Craig Gottschang met UC alumni who had taken biology from his father. Several students kept in touch with Gottschang by email, crediting him with sparking their interest in birds. Physicians and nurses in Cincinnati knew Gottschang from having taken his course in introductory biology.

Jack Gottschang centered his research on vertebrates, publishing *A Guide to the Mammals of Ohio* (1981), a work that served as a reference and textbook for many years. It includes chapters on opossums, moles and shrews, bats, rabbits and hares, rodents, carnivores, and deer; color and black and white photographs; and maps that delineate the range of each mammal. The text is lucid enough to invite the non-specialist and comprehensive enough to satisfy the professional biologist.

An athlete in his youth, Gottschang played sports in high school and college. He excelled at baseball, playing on a semi-professional team.

Gottschang enjoyed hiking, fishing, handball, tennis, and golf. He led bird watching trips at the Cincinnati Nature Center, was a volunteer with the Red Cross and the Boy Scouts, and was a fan of UC basketball and football teams and of the Cincinnati Reds. Gottschang coached Little League baseball and was a deacon in the Presbyterian Church.

Surviving Jack Louis Gottschang are sons Thomas Richard of Worcester, MA, John Craig of Sawtee, GA, and Harry Louis Gottschang of South Vienna, OH; daughter Beth Elyse (Gottschang) Popich of Milford, OH; ten grandchildren; and four great-grandchildren. Jack Gottschang's wife, Charlotte Elyse Bartenstein, whom he had married 17 July 1944 in New Orleans, LA, died in a car accident in 1966. The family held a memorial service for Jack Gottschang 26 April 2005 at Emmanuel Presbyterian Church in Clifton, OH. He was buried in Spring Grove Cemetery in Cincinnati. Friends may make contributions to the Cincinnati Nature Center, 4949 Tealtown Road, Milford, OH 45150. Interested parties may consult his obituary in the *Cincinnati Enquirer* and a biographical sketch on file at The Ohio Academy of Science.

CHRISTOPHER CUMO

LEONARD HILLS LARSEN (1924 – 2002)

Leonard Hills Larsen, age 78, Professor Emeritus of Geology at the University of Cincinnati, died 23 August 2002, after a long and courageous fight with illness at his home. He served in the United States Navy from April 1943 to April 1946. Larsen's dedication to teaching and his compassion for people earned him respect and admiration from his students and the academic community. In 1963 he was selected as the first recipient of the University of Cincinnati's Walter H. Bucher Fund scholarship for foreign geologic travel. In 1987 the Department of Geology at UC honored him by establishing the Leonard Larsen Fund to support instructional field trips. Joining The Ohio Academy of Science in 1961, he affiliated with Section Geology, was elected a Fellow in 1963, and became an Emeritus in 1987. From 1964 to 1966 Larsen participated in the Academy's Visiting Scientists Program, teaching several courses on geology.

Born 13 January 1924, in Chicago, IL, Leonard Hills Larsen (known as Len to friends and family) was the son of Merrill E. and Leora M. (Bowen) Larsen. He received his diploma from York Community High School, Elmhurst, IL, in 1942. After earning a B.S. in geology (1951) from Antioch College, he then pursued graduate studies in geology at Columbia University, where he received an M.A. (1953) and a Ph.D. (1956). Concurrently, he was a teaching and research assistant there and at the Yellowstone Bighorn Research Association in Montana. His thesis concerned the "Lithology of the Cambro-Ordovician Dolomite and Its Contact Relations with the Hudson River Series in Orange County, New York." Under the direction of Professor Arie Poldervaart, Larsen completed his dissertation on "Zircon Studies in Silicic Igneous Rocks." Following graduate school, he joined the faculty in the Department of Geology at the University of Cincinnati, where he advanced in the academic ranks: assistant professor (1956-1961), associate professor (1961-1967), professor (1967-1986), and professor emeritus (1986-2002). In the department he served as interim chairperson and acting director of the Geological Museum from 1968 to 1970. Among the courses that he taught were Petrology (igneous, metamorphic, sedimentary) and Mineralogy. He gained recognition as an inspiring teacher, and he imparted genuine care and compassion toward his students. According to several former students, he delivered his lectures with enthusiasm and with a thorough knowledge of his specialty, igneous and metamorphic petrology. He believed in reinforcing theoretical knowledge of the classroom with practical knowledge and observation gained from laboratory investigations and field trips. As a researcher, he conducted field work in the western United States, chiefly in the Rocky Mountain region. Concerning his scientific pursuits and investigations, it has been noted elsewhere that "he read the earth the way others read books." His resulting scientific publications include nearly 20 articles.

In professional organizations Larsen held memberships in the American Association for the Advancement of Science, the Geological Society of America (fellow), the Geochemical Society, the Mineralogical Society of America, and the Yellowstone Bighorn Research Association (president, 1969-1971). In honorary societies, he was elected a member of Sigma Xi. He was a lifelong and passionate fisherman. He also enjoyed piloting his small plane, taking numerous trips across the country.

Leonard Hills Larsen is survived by his wife Bea (Rosenblum) Larsen, whom he had married on 19 June 1949. He is also survived by three children, Julia, Grey, and Neil; three siblings, Roberta, Joan, and Curt; and six grandchildren, Yakaira, Emil, Robin, Siri, Teal, and Sasha. The family received friends at the Larsens' home in Cincinnati on 30 August 2002. Friends and others may share their remembrances of Larsen by sending their comments in care of <rememberlen@yahoo.com>. The reminiscences will be collectively posted on a memorial web site that will go online soon. Memorial contributions in honor of Larsen's grandson Sasha may be made to the Prader-Will Alliance for Research (P-WAR), 28 Vesey Street, Suite 2104, New York, NY 10007.

WILLIAM R. BURK

EARL FINBAR MURPHY (1928 – 2006)

Earl Finbar Murphy, age 77, C. William O'Neill Professor of Law Emeritus at The Ohio State University in Columbus, died 23 July 2006 at Hoosier Village Retirement Center in Indianapolis, IN, of congestive heart failure. Diabetes had weakened his health, and in December 2004 he caught a cold from which he never fully recovered. Subsequently he contracted pneumonia and, while being treated at Riverside Methodist Hospital in Columbus, he suffered a heart attack. His health was thereafter frail. An authority on environmental law, Murphy helped shape and enlarge its study. He joined The Ohio Academy of Science in 2000, with an interest in environmental law.

The son of Joseph Finbar and Carroll Josephine (Kocher) Murphy, Earl Finbar Murphy was born 1 November 1928 in Indianapolis. His parents wanted him to become a physician, but even as a teenager Murphy resisted their guidance because he wanted to work with ideas rather than bodies. In this spirit Murphy determined to become an academic, a desire fueled by the ambition of being both a teacher and a writer. He received a high school diploma (1946) from Short Ridge High School in Indianapolis; an A.B., graduating *magna cum laude*, then the highest distinction, and an M.A. (1954) from Butler University in Indianapolis. His Master's thesis concerned the "Laws of Inheritance in Indiana before 1816." Murphy then attended the Indiana University School of Law in Bloomington, graduating first in his class. A graduate law fellow at Yale University, Murphy received an L.L.M. and a J.S.D. (1959). In fulfilling the requirements of the J.S.D. degree, he wrote a thesis, "The Control of Water Pollution through Law: the Bases of Preferred Policies," which was later published under the title *Water Purity: A Study in Legal Control of Natural Resources* by the University of Wisconsin Press, Madison (1961). Upon graduation he started his own law practice and taught at the State University of New York at Binghamton and at Temple University School of Law in Philadelphia. He joined the faculty at OSU Moritz College of Law in 1969, rising through the ranks to become C. William O'Neill Professor of Law (1981-2005). At OSU Murphy was a visiting professor of natural resources in the College of Engineering and a faculty member in the Atmospheric Sciences Program. He also held appointments as visiting professor at Indiana University and the University of Arizona. Students recalled Murphy as an engaging teacher who stimulated their interest in environmental law. His warm personality and wit endeared them to him. In 1991 students voted him Outstanding Professor of the Year.

A prolific writer, Murphy authored several books, including: *Governing Nature* (1967); *Man and His Environment: Law* (1971); *Nature, Bureaucracy and the Rules of Property: Regulating the Renewing Environment* (1977); and *Energy and Environmental Balance* (1980). *Governing Nature* continues to generate royalties. In addition to his books, Murphy published numerous book chapters and journal articles. His work was multidisciplinary in appreciation of the fact that scholarship from several fields could advance the goal of environmental quality.

Murphy was a member of the World Society for Ekistics in Athens, Greece, an organization that aims to plan the future. Its members have included Arnold Toynbee and Margaret Mead. Mead and Murphy consulted one another on several occasions.

Sister Carol Kocher never met a person with interests as diverse as those of her brother. As early as age ten, Murphy developed an interest in

history and was so voracious a reader that the library set aside books for him. His enthusiasm for reading carried over into adulthood, and he amassed a large library. When Murphy was age 28, he and his younger sister Roselyn traveled to Greece, Portugal, France, Spain, Belgium, and Switzerland, living on less than \$5 a day. In 1998 the two visited the site of a World War I battle in Turkey where their father had fought. Murphy enjoyed classical music and opera.

Surviving Earl Finbar Murphy are sisters Carol J. Kocher of Indianapolis, IN, and Roselyn C. Murphy of Roswell, NM. Murphy's wife, Joanne Wharton Murphy, whom he had married in June 1972, is deceased. In her memory Murphy established the Joanne Wharton Murphy Professorship at the Moritz School of Law in 1998. The family held a memorial service 27 July 2006 at Flanner and Buchanan Funeral Center in Indianapolis. Murphy was buried at Mooresville Town Cemetery in Indianapolis. Friends may make contributions to the American Diabetics Association, 1701 North Beauregard Street, Alexandria, VA 22311. Interested parties may consult his obituary in the Columbus *Dispatch* and two biographical sketches at the web page of the Moritz School of Law.

CHRISTOPHER CUMO

JOHN ZANGER PELTON (1915 – 2006)

Employed by the Ohio Department of Natural Resources for forty-two years, John Zanger Pelton, age 91, died 11 September 2006 at the Sanctuary in Columbus, OH, of Parkinson's disease. Pelton co-founded the State of Ohio Huskie Muskie Club and was on the board of directors of the Muskingum Water Conservancy District in Southeast Ohio. In 1984 he was inducted into the Ohio Natural Resources Hall of Fame. Pelton joined The Ohio Academy of Science in 1948 and was elected a Fellow in 1951.

The son of Jeff and Laura (Zanger) Pelton, John Zanger Pelton was born 5 February 1915 in Columbus. A graduate of North High School in Columbus, Pelton received a B.A. in September 1936 and an M.S., specializing in entomology, in June 1937 from The Ohio State University in Columbus. Under the direction of Clarence H. Kennedy, he completed his thesis, "The Alimentary Canal of the Aphid *Prociophilus tessellata* Fitch." After graduating from OSU, Pelton found employment with the ODNR, where, among his duties, he was a grants administrator for the Land and Water Conservation Fund Program.

A stamp collector, Pelton also enjoyed fishing and boating. He was a trustee of the Crestview Presbyterian Church in Columbus, a co-founder of the Couples Club, a member of the Masonic Lodge, University Lodge F&AM, and an honoree of the Department of Natural Resources Hall of Fame.

Surviving Pelton are son John D. Pelton of Dublin, OH, daughter Sally (Truman) Heicher of Powell, OH, five grandchildren, and nine great-grandchildren. Preceding Pelton in death were his wife Helen (Dusler) Pelton, whom he had married 15 June 1940 in Columbus; granddaughter Tamara Joan Pelton; and brother George Levi Pelton. The family held visiting hours 14 September 2006 at Rutherford-Corbin Funeral Home in Worthington, OH, and a funeral the next day with Reverend Alan Wendt officiating. Pelton was buried at Union Cemetery in Columbus. Friends may make contributions in Pelton's name to a charity of their choice. Interested parties may consult his obituary published 13 and 14 September 2006 in the Columbus *Dispatch*.

CHRISTOPHER CUMO

SAMUEL ROSEN (1923 – 2006)

Samuel Rosen, age 83, Professor Emeritus of Microbiology at The Ohio State University in Columbus, died 28 May 2006 at Riverside Methodist Hospital in Columbus of lymphoma. Confident in the abilities of students, Rosen founded the Student Research Group at OSU and began a science competition between students at OSU and their counterparts at the University of Michigan. In 1995 Rosen incorporated Infection Control Services, a company that monitors the sterilization practices of dentists and that trains dental assistants in complying with the regulations of the Labor Department's Occupational Safety and Health Administration. Rosen received the Career Development Award (1967-1972) from the National Institutes of Health, the Student Development Award (1990) from the Student Research Group, and the Achievement Award (1992) from the Ohio Dental Association. Rosen joined The Ohio Academy of Science in 1962, was elevated to Fellow in 1967, and became an Emeritus member in 2005. In 1998 and 2000 Rosen helped select Fellows to the Academy, and in 1998 and 2002 he made telephone calls for donations for the Annual Phonathon. He served as vice president of the Academy's Section Medical Sciences (1985-1986). Rosen was a judge for the Central Ohio District of the Science Fair (1995-2005) and for the State Science Day (1995-2005).

The son of Jacob and Minnie (Safran) Rosen, Samuel Rosen was born 14 April 1923 in New York City. After high school Rosen served as corporal (22 February 1943-2 March 1946) in the Army Air Corps in Guam. He received a B.A. (1948) in biology from Brooklyn College in Brooklyn, NY, an M.S. (1949) in microbiology from the University of Illinois in Urbana-Champaign, and a Ph.D. (1953) in microbiology from Michigan State University in East Lansing. His dissertation concerned "The Importance of Biotin, Niacin, and Pantothenic Acid in Cucumber Fermentation." Rosen worked at Pyridian Corporation (1949-1950) in Yonkers, NY, before becoming assistant professor of microbiology (1952-1961) at MSU. Although he taught courses, his focus was on research. He funded his position from NIH grants rather than through a salary from MSU. Attaining tenure, he became associate professor (1961-1962) and professor (1962-1996) at OSU. Concurrently, Rosen held consultancies at several organizations: Battelle Memorial Institute in Columbus, OH (1962-2006); Procter and Gamble in Cincinnati, OH (1962-2006); and the National Institute for Dental Research in Bethesda, MD (1975, 1979). He served on OSU's Graduate Council (1969-1973) and on its Institutional Laboratory Animal Care Committee (1980-2006) of which he was chairman (1985-1990). At the College of Dentistry he served as chairman of the Research Committee (1976-1980) and as chairman (1982) of its Promotion and Tenure Committee (1978-1982). He also held a number of other memberships in committees of the College of Dentistry, including the Steering Committee (1980-1981), the Ad Hoc Committee for Accreditation and University Review (1980-1990), the Library Committee (1977-1981), the Research Committee in the Division of Dental Hygiene (1983-1990), and the Infection Control Committee (1988-1995).

A recipient of NIH grants, Rosen studied the role of heredity in tooth decay and the action of fluoride in preventing tooth decay. The author or coauthor of 161 abstracts and 113 articles and book chapters, Rosen published in the fields of microbiology and dentistry. Several articles concern the development of tooth decay in rats, his laboratory animal of choice. Others detail the role of chewing tobacco in tooth decay and of tea in preventing it. The Smokeless Tobacco Research Council funded Rosen's research with grants of \$270,000 between 1985 and 1988 and of \$315,000 between 1989 and 1992.

Samuel Rosen was a member of the International Association for Dental Research, the American Society for Microbiology, the American Association for the Advancement of Science, the Michigan Academy of Science, and Omicron Kappa Upsilon. He was chairman of the American Association for Dental Research's Columbus Section of the Microbiology and Immunology Group, a member of the Association for Gnotobiotics' Board of Directors, a secretary and president of ICSABER Society at OSU, secretary and president of the American Association of Dental Schools' Microbiology Section, and secretary and president of the Society for Infection Control in Dentistry. A member of Sigma Xi between 1952 and 2006, Rosen was secretary (1985-2006) of the OSU Chapter and councilor (1992-2006).

A volunteer for Northwest Civitan Club, Rosen was several times its president. Through the club he sponsored the Special Olympics, the training of dogs for the blind, and the research on mental retardation at the University of Alabama. Commemorating his forty-four years of service, the Civitan Club created the Samuel Rosen Scholarship Fund in 2006. Rosen enjoyed classical music and opera, having an ear for several composers and musical periods. He played bridge with friends and traveled to France, Israel, and Japan. Contributions may be sent to the

Civitan International Foundation, c/o Teresa A. Lupton, 1868 SR 61, Galion, OH 44833.

Surviving Samuel Rosen is Mindla (Weinrich) Rosen of Hilliard, OH. The two had married 26 September 1974 in New York City. Surviving also are adopted son Paul Mitchell and adopted grandson Brian Solomon Rosen, both of Colorado Springs, CO; and adopted son Grant Reuben and adopted grandson Eric Alexander Rosen both of Calhoun, GA. The family held a funeral service 31 May 2006 at the Epstein Memorial Chapel with Rabbi Gary Huber officiating. Rosen was buried at Green Lawn Cemetery. Friends may make contributions to the Samuel Rosen Scholarship Fund in care of Mindla Rosen, 3625 Ridgewood Drive, Hilliard, OH 43026 or in care of the Epstein Memorial Chapel, 3232 East Main Street, Columbus, OH 43213. Interested parties may consult a curriculum vitae of Samuel Rosen on file at The Ohio Academy of Science.

CHRISTOPHER CUMO

FRED THEODORE RUSSELL, JR. (1921 – 2006)

Fred Theodore Russell, Jr., age 84, died 18 March 2006 at Mount Carmel West Hospital in Columbus, OH, from a heart attack. Before retiring, he had been employed at the Defense Supply Center, Columbus (DSCC), a branch of the Defense Logistics Agency, for thirty-two years, and from Nationwide Insurance for thirty years. Enthusiastic about the study of science, Russell was a judge at numerous science fairs. He joined The Ohio Academy of Science in 1996, with interests in general science.

The son of Fred Theodore and Ruth Jane (Thomas) Russell, Sr., Fred Russell, Jr. was born 19 December 1921 in Mount Sterling, OH. A member of the marching band and the football team, Russell graduated from Grove City High School. He served in the United States Army during World War II and was wounded. Russell was a shipping manager at DSCC and a manager of security at Nationwide Insurance.

In addition to being a member of The Ohio Academy of Science, Russell was a member of Toastmaster, the Sunrise Masonic Lodge, Aladdin Senior Shriners, Chanters Aladdin Temple, Scottish Choir, Berwick Kiwanis, Diabetes Support Group, and Mothers Against Drunk Driving. He was an elder at Broad Street Christian Church in Columbus and was Lt. Governor of the Ohio District 10-S Division Kiwanis International.

Russell hosted a television talk show and spoke to high school students and inmates against drug and alcohol abuse and suicide. He gave food to the needy at Christmas. His wife recalls his kindness toward others and his devotion to her during her four-month illness.

Surviving Fred Theodore Russell, Jr., is his wife Mary-Louise (Hankinson) Russell of Columbus. The two had been married 35 years. Surviving also are daughters Shirley (Russell) Vines and Cynthia Russell, son Thomas Russell, stepdaughter Jeanne DeVita, stepson Glenn Fulton, Jr., sister Belvia White, brother Thomas Russell, nine grandchildren, fifteen great-grandchildren, and four great-great-grandchildren. Fred Russell's first wife Gladys Russell is deceased, as are son Fred Theodore Russell III, brothers Robert and Jim Russell, and sisters Catherine Miles and Jane Williams. The family held a service 25 March 2006 at Broad Street Christian Church in Columbus with Reverend Dr. LaTaunya Bynum officiating. Schoedinger East Chapel in Columbus was in charge of arrangements. Fred Russell was buried at Union Cemetery in Columbus. Friends may make contributions to Broad Street Christian Church, 1049 East Broad Street, Columbus, OH 43205. Interested parties may consult Russell's obituary in the Columbus *Dispatch*.

CHRISTOPHER CUMO

HAROLD CHARLES SHAFFER (1914 – 2005)

Harold Charles Shaffer, age 91, Professor Emeritus of Biological Sciences at the University of Toledo, died 16 October 2005 in the Hospice of Northwest Ohio, Toledo. Devoting over 35 years of dedicated and loyal service as an educator at the University of Toledo, he received the UT Outstanding Teacher Award in 1966. He and his wife established the Harold C. and Charlotte L. Shaffer Endowed Chair in Biological Sciences at UT in 2004. Joining The Ohio Academy of Science in 1951, Shaffer affiliated with Section Zoology.

Born 8 July 1914, in Toledo, OH, Harold Charles Shaffer was the son of Thomas M. and Minnie H. Shaffer. Young Shaffer attended Toledo public schools and ranked first in his high school graduating class (1931). Although Shaffer received a scholarship to attend UT, he relinquished it in order to support his family during the Great Depression. He held a variety of positions, including working in a grocery store, a garage, and a brewery; serving as a plumber's assistant and as an electrician's assistant; and driving a delivery truck. While still intending to enroll in college when his financial circumstances improved, he enrolled at Scott High School where he attended night classes in chemistry and biology. His subsequent employment was in medical and X-ray laboratories in hospitals of St. Louis, MO, and Evansville, IN. Joining the medical department of the United States Army Air Force in 1940, he directed the medical laboratories, X-ray departments, and teaching programs. He was discharged in 1946.

Following his military service, Shaffer entered UT under the sponsorship of the GI Bill. In biology, he earned a B.S. (1950) and an M.S. (1951). Under the direction of Dr. Archie N. Solberg, Shaffer completed his thesis on "The Relation between Hemoglobin Level and Oxygen Tolerance in Fishes." Concurrently, he was a preparator and a graduate assistant in biology at UT. Following graduate school, he joined the UT faculty in the Department of Biology (now Biological Sciences) where he advanced in the academic ranks: instructor (1951-1954), assistant professor (1954-1969), associate professor (1969-1975), professor (1975-1985), and professor emeritus (1985-2005). A devoted and loyal teacher, Shaffer taught nearly 20 different courses, including comparative anatomy, human anatomy, physiology, and microbiology. He was well known for the thoroughness of his lectures for which he did not use notes. He placed great emphasis on inspiring his students to think and serving as a mentor to them. As a coordinator for the National Science Foundation, Shaffer helped in setting up Summer Institutes at UT for biology teachers. He also coordinated the UT nursing education program with participating hospitals. He was responsible for the campus X-ray program that was offered at night and was among the first college programs set up in the country.

Outside the classroom, Shaffer contributed to the university. He served as a special assistant to former UT President Asa S. Knowles. For a number of years, he was a marshal at commencement exercises and the captain for the Natural Sciences for the Centennial Fund drive, which raised money for the beautification of the campus.

Beyond his academic responsibilities, Shaffer gave lectures on the microflora of air conditioning systems in hospitals and food processing plants. He made his presentations throughout the United States and Canada during weekends and vacations. He also served as a volunteer for a local air conditioning manufacturer on hospital infections and cross infections in relation to air conditioners.

Holding strong beliefs in serving the community, Shaffer contributed to it in a number of ways. As a volunteer, he helped with the teaching of radiology technicians at Saint Vincent's Hospital for nearly four years. He was chairman of the Northwestern Ohio District of the Ohio College Biology Teachers Association, in which he served as a consultant to numerous hospitals in the country concerning the evaluation of the microbial environment in surgical and delivery rooms. A member of the Board of Directors of the Toledo District Nurses Association, he served as its president for two years. As a volunteer, Shaffer was a judge in the Miss Toledo Student Nurse contest and an assistant at the Blood Center Program of the American Red Cross. He was a member of the advisory committee of the Toledo Hospital School of Nursing.

In professional organizations, Shaffer held memberships in the American Association for the Advancement of Science, the American Association of University Professors, the Ohio College Biology Teachers Association, and the Michigan Society of Electron Microscopists. In popular organizations, he was a member of the National Geographic Society. He was elected to several honorary societies: Beta Beta Beta (advisor), Alpha Epsilon Delta, and Phi Kappa Phi (founding member of the UT chapter; president, 1974-1975). Shaffer enjoyed a number of pastimes, including photography, medical electronics, fishing, gardening, reading, and traveling. Concerning the last hobby, he toured and traveled Australia, New Zealand, the Caribbean Islands, Germany, Spain, and many parts of the United States. Particularly fond of dogs, he trained a boxer,

who lived for 11 years, and a miniature schnauzer. A longtime member of Olivet Lutheran Church in Sylvania, OH, he was an active member of the Men's Bible Study that he helped establish. He also served on the Board of the Lutheran Campus Ministry.

Harold Charles Shaffer is survived by his wife Charlotte L. (Yenor) Shaffer, whom he had married on 1 February 1952. Also surviving are nieces and nephews. Visitations were held at Foth-Dorfmeier Mortuary, Toledo, on 17 October 2005 and on the following day. An additional visitation took place at Olivet Lutheran Church on 19 October 2006 followed by the Celebration of Life Service with pastors Chrysanne Timm and Darrell Cousino officiating. Memorial contributions may be made to the Harold C. and Charlotte L. Shaffer Endowed Chair in Biological Sciences in care of the Toledo Community Foundation, 608 Madison Avenue, Suite 1540, Toledo, OH 43604-1151, or to the Olivet Lutheran Church's Memorial Fund, 5840 Monroe Street, Sylvania, OH 43560.

WILLIAM R. BURK

ROBERT WEINSTOCK (1919 – 2006)

Robert Weinstock, age 87, Professor Emeritus of Physics at Oberlin College, died 15 May 2006 at his home in Oberlin, OH, of a heart attack. Among his contributions to physics, two stand above the rest. First, Dr. Weinstock derived the mathematics to describe the scattering of slow neutrons, a formula that scientists in the Manhattan Project used in building the atomic bomb. Second, Weinstock believed he identified an error in Isaac Newton's *The Mathematical Principles of Natural Philosophy* (1687). The announcement created a furor, with some physicists defending Newton and others Weinstock. The issue remains unsettled.

Robert Weinstock joined The Ohio Academy of Science in 1962 and was elevated to Fellow in 1973. From 1961 (a year before joining the Academy) to 1965, he participated in its Visiting Scientists Program. Weinstock visited eight schools, both public and parochial. He delivered lectures in science and mathematics and encouraged students to discuss with him the ideas from his lectures. Francis H. Tousley, chemistry teacher at Steele High School in St. Amherst, OH, wrote of his pleasure at Weinstock's lecture on atomic theory, which complemented the material Tousley had taught his students. Sister Florian, science teacher at St. Mary's High School in Lorain, OH, praised Weinstock for his dedication to science education and applauded his rapport with students. Patrick M. Simone, chairman of the science department at Hawthorne Junior High School joined his students in hoping Weinstock would visit again, so satisfied were they with his lecture.

The son of Morris and Lillian (Hirsch) Weinstock, Robert Weinstock was born 2 February 1919 in Philadelphia, PA. A graduate (1936) of Northeast High School in Philadelphia, Weinstock received the A.B. in physics (1940) from the University of Pennsylvania and the Ph.D. in physics (1943) from Stanford University. His dissertation entailed "Inelastic Scattering of Slow Neutrons." Weinstock remained at Stanford University as an instructor in physics (1943-1944) before moving to Harvard University as a research associate in the Radio Research Laboratory (1944-1945). With the end of World War II, Weinstock turned to activism in the labor movement. He joined the Merchant Marine (1945-1946), sailing the world for eight months. On leave but intending to return to sea, Weinstock visited friends at Stanford University who persuaded him to teach for one quarter. One quarter stretched to eight years there, four as instructor of mathematics (1946-1950) and four as acting assistant professor of mathematics (1950-1954). Versatile as both physicist and mathematician, Weinstock was assistant professor of mathematics (1954-1958) and associate professor of mathematics (1958-1959) at the University of Notre Dame, and visiting associate professor of mathematics (1959-1960) and associate professor of physics (1961-1983) at Oberlin College. He was a fellow (1965-1966) at the University of Oxford in England while on sabbatical from Oberlin.

Weinstock's research concerned mechanics, thermodynamics, calculus, the theory of neutron scattering, and the theory of continuous X-ray spectrum. In 1952 he published the book *Calculus of Variations*, which remained in print for several decades. Weinstock contributed articles to *Physical Review*, the *Journal of Analysis*, *Rational Mathematics*, and *American Mathematical Monthly*. A theoretician rather than an experimenter, Weinstock understood the physical world through the formulae of mathematics. He delivered lectures on waves and particles, the value of mathematics in science, frames of reference, and special relativity.

In addition to his membership in The Ohio Academy of Science, Weinstock was a member of the American Association of Physics Teachers and the American Physical Society. He was elected to Sigma Xi.

Robert Weinstock was interested in politics, affiliating with the Progressive Party, a party left of the Democratic Party; in 1948 he toured the country with vice presidential candidate Glen Taylor, the running mate of Henry A. Wallace. Weinstock enjoyed classical music, particularly the compositions of Wolfgang Mozart, and English literature. Weinstock's favorite author was Charles Dickens. Active throughout life, Weinstock was an avid hiker and walker. He relished the company of others and liked to write letters.

Surviving Robert Weinstock is Elizabeth (Brownell) Weinstock of Oberlin. The two had married 22 April 1950, in Seattle, Washington. Surviving also are sons Frank Morse Weinstock of Cincinnati, OH, and Robert Brownell Weinstock-Collins of Lancaster, PA. The family held a memorial service at Kendal at Oberlin Retirement Community on 4 June 2006. Weinstock donated his body to Case Western Reserve University School of Medicine. Friends may make contributions to the American Friends Service Committee, 1501 Cherry Street, Philadelphia, PA 19102. Interested parties may consult Robert Weinstock's obituary in the *Cleveland Plain Dealer* and his curriculum vitae on file at the office of The Ohio Academy of Science.

CHRISTOPHER CUMO

CONRAD EUGENE WICKSTROM (1943 – 2006)

Conrad Eugene Wickstrom, age 62, Professor Emeritus of Biological Sciences at Kent State University in Kent, OH, died 10 January 2006 at his home in Billings, MT, of pancreatic cancer. An authority on the ecology of the thermal springs of Yellowstone National Park in Wyoming, Dr. Wickstrom devoted four decades to the study of aquatic ecology. He joined The Ohio Academy of Science in 1984.

The son of Bror and Vivienne (Edstrom) Wickstrom, Conrad Eugene Wickstrom was born 3 September 1943, in Modesto, CA. A graduate of Shasta High School (1960) in Redding, CA, Wickstrom received a B.A. (1965) from California State University (CSU) at Chico, where he began graduate work the next fall. To finance his studies and to gain classroom experience, Wickstrom was an instructor (1966-1968) in the Department of Biological Sciences. He received a teaching license in secondary education (1968) and an M.A. (1968) from CSU. His Master's thesis was entitled "Ecology of Four Thermophilic Cyanophyta in a Thermal Stream." Entering the University of Oregon for doctoral studies, Wickstrom was a graduate teaching fellow (1968-1970) and a graduate research fellow (1970-1973) in the Department of Biology. He then joined the faculty in the Department of Biology at Emory University as an instructor (1973-1974) and subsequently as an assistant professor (1974-1981) upon receipt of his Ph.D. (1974) in botany from the University of Oregon. His dissertation concerned "Blue Green Algae and Ostracod Interactions in an Oregon Hot Spring."

While at Emory University, Wickstrom was visiting faculty (summer 1980) in the Department of Biology at Wabash College. Leaving Emory University in 1981, he joined the Department of Biological Sciences at Kent State University where he advanced from assistant professor (1981-1998) to associate professor (1998-2001) and also served as M.A. program director (1996-2001) and assistant chairperson (1997-2001). Concurrently, he was visiting faculty (fall 1984) at the Portage County Superior Science Student Program in Ravenna, OH. Upon retiring in December 2001, Wickstrom became adjunct professor (2003-2006) in the Department of Biological and Physical Sciences at Montana State University in Billings. In addition to introductory courses in biology, Wickstrom taught undergraduate and graduate courses in ecology, microbiology, protozoology, botany, ecology, and physiology of algae, nitrogen fixation, and nitrogen dynamics in aquatic systems. The more than twenty cards that former

students wrote in memory of Wickstrom attest to his devotion to teaching.

The author of abstracts, articles, book chapters, and book reviews, Wickstrom published in several areas of biology. He published numerous articles in microbiology, chiefly on algae and bacteria. He also published articles on nitrogen fixation and ecology. Wickstrom interrelated these subjects in many of his articles, which by nature were interdisciplinary. His first publication dates to 1971 and his last to 2000. Even while ill with pancreatic cancer, Wickstrom continued his research, leaving some of it unfinished at his death.

In addition to his membership in The Ohio Academy of Science, Wickstrom belonged to the International Limnological Society, the Montana Academy of Sciences, the Montana Wilderness Association, the National Audubon Society, the National Parks Conservation Association, the Northern Plains Resource Council, the Phycological Society of America, Population Connection, and the Yellowstone Association.

Wife and physician Dr. Glenda Wickstrom recalls her husband's devotion to family and the strength of his Christian faith. She remembers his kindness toward others and his habit of putting the interests of other people ahead of his own. Attentive to the needs of the less fortunate, Wickstrom was a volunteer at the Billings Food Bank in Billings, MT. He relished the beauty of the West, being partial to the grandeur of Yellowstone National Park, and enjoyed hiking outdoors with family and friends.

Surviving Dr. Conrad Wickstrom is his wife Dr. Glenda Lee (Colwell) Wickstrom of Billings, MT. The two had married 18 June 1977 in Milledgeville, GA. Also surviving are sons Davin Conrad and Brandon Joseph Wickstrom of Billings and daughter Jancey Lee Wickstrom of Chicago, IL. In Billings, the family held visiting hours 12 January 2006 at Michelotti-Sawyers Funeral Home and a memorial service the next day at First Presbyterian Church. Conrad Wickstrom was buried at Yellowstone Valley Memorial Park in Billings. Friends may make contributions to the Saint Vincent Healthcare Foundation's Giving Tree, P. O. Box 35200, Billings, MT 59107. Interested parties may consult the newspaper obituaries of Conrad Wickstrom in the *Billings Gazette* and the *Billings Record*, and a curriculum vitae on file in the office of The Ohio Academy of Science.

CHRISTOPHER CUMO