1998-09

Obituaries of the Members of the Ohio Academy of Science Report of the Necrology Committee, 1998

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OBITUARIES OF THE MEMBERS OF THE OHIO ACADEMY OF SCIENCE
REPORT OF THE NECROLOGY COMMITTEE, 1998

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. Thanks are extended to those individuals who provided information to the committee. 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. If you can assist in this effort, please send information to, or call, the office of The Ohio Academy of Science. A two page outline of instructions for preparation of 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 date of death if known and year joined, whose obituaries have not yet been published in the Journal.

<table>
<thead>
<tr>
<th>NAME</th>
<th>DATE OF DEATH</th>
<th>YEAR JOINED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ernests Abele</td>
<td>January 14, 1996</td>
<td>1957</td>
</tr>
<tr>
<td>Mort W. Ake</td>
<td>April 4, 1996</td>
<td>1995</td>
</tr>
<tr>
<td>Howard E. Bales</td>
<td>October 5, 1995</td>
<td>1953</td>
</tr>
<tr>
<td>Stephen W. Barber</td>
<td>?? 1989</td>
<td>1983</td>
</tr>
<tr>
<td>Harold E. Bigony</td>
<td>January ??, 1998</td>
<td>1949</td>
</tr>
<tr>
<td>Robert Bowman</td>
<td>November 4, 1996</td>
<td>1979</td>
</tr>
<tr>
<td>William F. Davis</td>
<td>January 3, 1991</td>
<td>1967</td>
</tr>
<tr>
<td>D. Lyle Goleman</td>
<td>??</td>
<td>1969</td>
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<tr>
<td>Gertrude Masters</td>
<td>February 9, 1989</td>
<td>1951</td>
</tr>
<tr>
<td>Melissa Meja</td>
<td>July 1, 1998</td>
<td>1996</td>
</tr>
<tr>
<td>Robert H. Mills</td>
<td>February 26, 1997</td>
<td>1952</td>
</tr>
<tr>
<td>R. Henry Norweb</td>
<td>June 6, 1995</td>
<td>1973</td>
</tr>
<tr>
<td>J. Gordon Ogden</td>
<td>?? 1997</td>
<td>1958</td>
</tr>
<tr>
<td>Wave H. Shaffer</td>
<td>May 15, 1995</td>
<td>1948</td>
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<td>Gertrude D. Shay</td>
<td>?? 1996 or 1997</td>
<td>1964</td>
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<tr>
<td>James F. Smith</td>
<td>February 16, 1991</td>
<td>1952</td>
</tr>
<tr>
<td>Paul B. Taylor</td>
<td>July 31, 1989</td>
<td>1956</td>
</tr>
<tr>
<td>Charles W. Zimmerman</td>
<td>November 10, 1997</td>
<td>1951</td>
</tr>
</tbody>
</table>

The following obituaries appear in the 1998 Report:

Robert Willard Alrutz (1921-1997) .......................................................... 87
Ralph John Bernhagen (1910-1997) .......................................................... 87
Anthony Joseph Cacioppo (1923-1996) .................................................. 88
William Stevenson Emerson (1913-1997) ............................................. 89
Harley Eugene Flack (1943-1998) .......................................................... 89
Ellis Louis Foster, Jr. (1923-1997) .................................................... 90
Irene C. Heller (1944-1996) ................................................................. 90
Karl Esslinger Limper (1914-1997) ....................................................... 90
Richard Thomas O'Neill (1933-1995) .................................................... 91
Richard F. Pannabecker (1922-1997) .................................................... 91
Walter W. Randolph, Jr. (1932-1997) .................................................... 92
Reverend Charles Valerian Reichart (1910-1997) ................................... 92
Robert Willard Alrutz (1921-1997)

Robert Willard Alrutz, age 76, retired Professor of Biology at Denison University, renowned educator, and ecologist/environmentalist, died in Riverside Hospital, Columbus, OH, on 14 October 1997, after a lengthy illness. Active in civic affairs in Granville, he was a persistent and loyal crusader for environmental and conservation causes. Besides his devotion to teaching and ecological and environmental pursuits, Alrutz studied the dragonflies (Odonata) of Ohio. He held membership in The Ohio Academy of Science (1957-1972, 1992-1997), affiliated in the Section of Natural Resources (vice president, 1964-1965), and was elected a Fellow (1960).

Born 2 August 1921 in Pittsburgh, PA, Robert Willard Alrutz, known as Bob to friends and family, was the son of Willard and Margaret Alrutz. After earning a BS in biology (1943) from the University of Pittsburgh, he completed advanced degrees from the University of Illinois at Urbana-Champaign: MS in entomology (1947) and PhD in entomology and parasitology (1951). For his dissertation, "The Significance of Bioinomics in the Rediscovery of the Fundamental Literally Concerning Hepaticdehyde," he examined several thousand publications. Alrutz's professional career included as an assistant in graduate school (1946-1951), and then as an instructor, Department of Biology, University of Minnesota (1951-1952). He served as assistant and associate professor (1952-1964) and Professor (1964-1990) in the Department of Biology at Denison University. Concurrently he was chairman of the department (1964-1965) and director of the Denison University Biological Reserve (1969-1990). His diverse teaching responsibilities were in general biology, general zoology, environmental biology, vertebrate field zoology, entomology, parasitology, and environmental seminar (1972-1990). He retired in May 1990. In the US Army during World War II, Bob conducted a parasitological survey in the Pacific.

Influenced by Rachel Carson, natural historian and biologist, Robert Alrutz developed interests in ecological and environmental causes long before the landmark Earth Day was celebrated in 1970. Professor Alrutz devoted much of his life to environmental issues, especially on the academic and local community level. At Denison University Bob was instrumental in establishing the Denison University Biological Reserve, a 350-acre tract of fields, woods, and ponds which is used for research. Through his efforts the university developed the Homestead program, wherein participating students live rustically in cabins, tend gardens, and milk goats while attending classes at Denison, about one mile away. He directed summer institutes in ecological studies (1961-1966), coordinated the Denison Environmental Studies Program (1972-1990), served as Faculty Advisor to the Homestead (1977-1990), and advised the Denison Recycling Program (1984-1990). In civic affairs of Granville, OH, he was prominent in environmental causes: the Sugar Loaf Park Advisory Committee, Granville Land Conservancy, Licking Metropolitan Park District (commissioner), Explorer Scout Master, and Habitat for Humanity. He founded the Granville Township Mosquito Abatement District. A key figure in the preservation of the Black Hand Gorge Nature Preserve east of Newark, OH, Professor Alrutz also organized energy conservation fairs and ecology workshops. Under the auspices of the Ohio Environmental Resource Council, he compiled "Ohio Environmental Resource Directory, 1982."

For his contributions toward preserving Cranberry Island he received the Certificate of Recognition from the Ohio House of Representatives (1963). Additional recognition for his environmental accomplishments was noted with the Governor's Ohio Conservation Achievement Award from the Ohio Department of Natural Resources (1985); Certificate of Recognition from the Ohio House and Senate (1990); and the Environmental Education Achievement Award by the Ohio Alliance for the Environment (1991). Lynn Elfner, CEO of The Ohio Academy of Science, summarized Alrutz's environmental commitment: "His enthusiasm for the environment was infectious. He inspired hundreds of students to learn and apply the basics of ecology in their lives" (Columbus Dispatch, 20 October 1997).

Besides his ecological and environmental contributions, Alrutz studied dragonflies and wrote several articles on them. He was a founding member of the Ohio Odonata Survey. Professor Alrutz also investigated the Newark Holy Stones, thought by some to be relics of Hebrew sailors who arrived in America centuries before Christopher Columbus. His studies on the history of these stones, found during the period 1860 to 1867 in burial sites in the Newark, OH, area, culminated in the publication, "The Newark Holy Stones, the history of an archaeological tragedy" (Journal of the Scientific Laboratories, Denison University 57: 1-57. 1980).

Among his many memberships in professional societies and environmental groups are the American Association for the Advancement of Science, American Association of University Professors, American Forestry Association, American Institute of Biological Sciences, Conservation Education Association, Ecological Society of America, National Association of Biology Teachers, National Parks and Conservation Association, National Audubon Society, National Wildlife Federation, Nature Conservancy, Ohio Environmental Council (former president), and Ohio Odonata Society (Honorary Life Member, 1997). He was an Explorer Scout Master. In honor societies Robert Alrutz was elected to Sigma XI. Recognizing his many years of civic contributions, the Granville Rotary presented him the Service Above Self award (1992). A charter member of the Pilgrim Lutheran Church, he was a trustee, deacon of education, elder, secretary, president of Voter's Assembly, and chairman of the Building Committee.

Robert Willard Alrutz is survived by his wife Wilma (Schmooch) whom he married in 1946; one daughter and son-in-law, Gloria and Dean Kocian; and three grandchildren, Mark, Brian, and Sara. McPeek Funeral Home arranged visitation hours (17 October 1997). On the next day funeral services were held at Pilgrim Lutheran Church, Granville, with the Reverends Ruff and Woodward officiating, followed by private grave-side services in the College Cemetery at Denison University. Memorial contributions may be sent to the Robert Willard Alrutz Internship Fund, Denison University, Department of Biology, Granville, OH 43023.

William R. Burk

Ralph John Bernhagen (1910-1997)

Ralph John Bernhagen, age 87, an accomplished geologist and natural resources administrator, died at Riverside Methodist Hospital in Columbus, OH, of respiratory complications on 19 October 1997. Ralph, known as "Bernie" to his many colleagues and friends, was the ninth person to hold the position of State Geologist of Ohio, serving in this capacity and as Chief of the Ohio Division of Geological Survey, Department of Natural Resources from 1957 to 1968. He also served the citizens of Ohio in several other natural resources capacities during his impressive 42 years of state service (1941-1983). As a member of The Ohio Academy of Science (1944-1977) and Fellow (1946), Bernie attended the Annual Meetings faithfully. He was elected Vice President of the Geology Section in 1950 and Academy President in 1975. He was also a long-time supporter and judge for State Science Day and the Junior Academy of Science.

Born 2 August 1910 in Toledo, OH, Bernie graduated from Waite High School in Toledo where he was an outstanding athlete. He entered Michigan State University in 1929, transferred to the University of Toledo in 1930, and then attended The Ohio State University where he received a BA degree in 1937 and an MA degree in 1939, both in the field of geology. He was a Bownocker Scholar at OSU, an award established in 1935 in honor of John A. Bownocker, Chairman of the Department of Geology (1916-1928) and fifth State Geologist of Ohio (1906-1928). From 1939 to 1941 Bernie worked as a paleontologist for the Shell Oil Company and as an engineering geologist for San Jacinto Ordnance Depot in Houston, Texas. In 1941, he returned to Ohio to serve as geologist for the Ohio Water Supply Board, beginning a career of state service that would continue until his retirement from the Ohio Department of Natural Resources on 1 July 1983.

Ralph J. Bernhagen's experience with the Water Supply Board instilled an interest in water resources that continued throughout his life. During World War II, he located ground water resources in several southwestern Ohio counties where industries critical to the war effort were without adequate water. From 1945 to 1949 he served as chief geologist for the Ohio Water Resources Board and became assistant chief of the Ohio Division of Water upon creation of the Ohio Department of Natural Resources in 1945. In 1952, Bernie was named assistant chief of the Ohio Division of Geological Survey and upon the retirement of State Geologist John Melvin in 1957, Bernie was appointed chief of the Division of Geological Survey and State Geologist. At that time the Geological Survey was housed in Orton Hall on The Ohio State University campus, the same building that was home to the Geology Department. Bernie enjoyed his close relationship with both students and faculty, a number of whom worked...
Anthony Joseph Cacioppo (1923-1996)

Anthony Joseph Cacioppo, age 72, engineering psychologist, Chief Scientist Emeritus of Headquarters National Air Intelligence Agency of Wright-Patterson Air Force Base, and Chairman of the Department of Biomedical Human Factors Engineering Department at Wright State University, died on 13 January 1996. As an innovator of scientific and technical intelligence, Cacioppo provided air crews in Southeast Asia countermeasures that greatly increased the loss of aircraft. Among his technical reports were those pertaining to “A Systematic Theory for Psychological Warfare” (1960), “The Soviet Ideologic Interest” (1960), and “The Human Issues in Manufacturing Technology” (1992). Since 1963, Cacioppo has held memberships in The Ohio Academy of Science and affiliated with the Section of Anthropology and Sociology.

Born 15 October 1923 in Akron, OH, Anthony Joseph Cacioppo was the son of Carlo and Mary Julia (Almerico) Cacioppo. After graduating from Ravenna High School, Ravenna, OH, Anthony enrolled at Kent State University. In 1943, while a sophomore, he was drafted into the Army Air Forces and served in the Southwest Pacific. As the non-commissioned officer in the Fifth Air Force, Cacioppo was in charge of an Army Airways Communication Squadron radio station in the Northern Territory of Australia and subsequently in the Philippine Islands. When World War II ended, he returned to Kent State and earned a BS in chemistry and psychology, with honors (1948), and MA in psychology (1949). He pursued doctoral studies at the University of Iowa, culminating with a Fulbright Scholarship to study at the University of Rome, Rome, Italy (1951-1952), and a PhD in behavioral science (1954). His master's thesis was entitled “The Effects of Intermittent Reinforcement on Successive Conditioning and Extinction” (1950).

Thus, the Lake Erie Section of the Survey was established in Sandusky, OH, and included the 60-foot research vessel, GS-1. As a member of the Sandusky staff, the writer has many fond memories of Bernie. One which exemplifies his encouragement to young geologists is worth noting. In 1962, I was a junior staff member with the Lake Erie Section, but had aspirations of undertaking graduate studies at the University of Michigan. Bernie took the time from his busy schedule to drive me to Athens and meet with Geology Department Chairman, Dr. Myron T. Sturgeon, to design a graduate program which focused on our mutual interest in the Lake Erie region. On another occasion Bernie and I escorted Governor James A. Rhodes on a tour of the Cuyahoga River aboard the GS-1 shortly after the river caught on fire. The notoriety of the fire was the “spark plug” that led to government programs to clean up Lake Erie and its tributaries. Another trip aboard the GS-1 with Bernie and Judge Albert B. Maris, jurist from the US Supreme Court, took us to Turtle Island in Maurice Bay where the Court was gathering information which resolved a boundary dispute between the State of Ohio and the State of Michigan in Ohio's favor.

A major achievement of the Ohio Division of Geological Survey during Bernie's tenure as State Geologist was the completion of topographic mapping of the state at 1:24,000 scale (7 1/2-minute series). Bernhagen, and predecessor John Melvin, were instrumental in convincing the Ohio General Assembly to appropriate matching funds for a six-year, $6.5 million project that would result in 788 maps covering the entire state, the first state in the nation to have such coverage. Also during Bernie's period as State Geologist, the Division of Geological Survey published 13 Bulletins, 35 Report of Investigations, and 13 Information Circulars. This impressive productivity was accomplished by a full-time staff of only about 20 people. After nearly 12 years as State Geologist, Bernie left the Division of Geological Survey to head the newly created Water Planning Section within the Ohio Department of Natural Resources. In 1972 he became coordinator of the Lake Erie Harbors Program for the Department's Shoreline Management Section and continued in this capacity until his retirement.

In addition to The Ohio Academy of Science, Ralph J. Bernhagen was an active member of many professional organizations. He was a founding member of the American Association of State Geologists (1990). To crown his many contributions to the field of geology, Bernie was awarded the Mather Medal of the Ohio Division of Geological Survey (1993). The Mather Medal is named for William W. Mather, the first State Geologist (1837-1839). As Michael C. Hansen of the Division of Geological Survey has stated, “These awards only punctuate an illustrious career that brought many benefits to Ohio's citizens and many contributions to his professional colleagues and the geology that he loved so much.”

Bernie was a member of the King Avenue United Methodist Church in Columbus, OH. He is survived by his wife Lillian Flickinger Bernhagen of Worthington, OH, daughters Janet Darling of Augusta, MI, and Penny Braun, of Avon Lake, OH, and brother Howard Bernhagen of Pocatello, ID. Penny, a biology teacher in North Ridgeville, OH, recalls of her father, “He and I judged the State Science Day every year together.” Memorial contributions may be made to The Ohio Academy of Science or King Avenue Methodist Church.

Charles E. Herdendorf
In recognition of his professional excellence and achievements, Dr. Cacioppo earned numerous honors: United State Air Force Exceptional Civilian Award (1968), National Intelligence Distinguished Service Medal (1977), Meritorious Civilian Award, Outstanding Teaching Award in the College of Engineering and Computer Science, Wright State University (1984), and the Order of the Knight Commander (a distinguished foreign award). Twice he was accorded the Presidential Rank of Meritorious Executive in the Senior Executive Service, from Presidents Carter and Reagan. In honor societies Anthony was elected to Alpha Kappa Delta, Psi Chi, and Sigma Xi.

Anthony Joseph Cacioppo is survived by his wife Wilma Jean (Love) Cacioppo whom he married on 11 September 1949; two daughters, Diana Limbert and Toni Fogle; one son, Gian Cacioppo; eight grandchildren, Sean, Brandon, Courtney, Ashley, Anthony, Heather, Nicholas, and Monica; one brother, Patrick; and one sister, Vita. According to family wishes no public memorial services were held. Memorial donations may be sent to the Cacioppo Memorial Scholarship Fund, Wright State University, College of Engineering and Computer Science, 405 Russ Engineering Center, Dayton, OH 45435, to the attention of James Brandeberry.

William Stevenson Emerson (1913-1997)

William Stevenson Emerson, age 84, retired Senior Staff Associate at Arthur D. Little, organic chemical researcher, and consultant of industry-wide repute, died 15 October 1997 in Damariscotta, ME, after suffering a massive stroke. Dr. Emerson wrote the “Guide to the Chemical Industry: Technology, R & D, Marketing and Employment” (1983, reprinted 1991) and over 50 articles in professional journals and encyclopedias. In the chemical industry he held 76 US patents, three for processes new to science in production. A member of The Ohio Academy of Science since 1952, he affiliated with the Section of Chemistry, was elected a Fellow (1953), and was accorded Emeritus status (1974).

Born 25 March 1913 in Boston, MA, William Stevenson Emerson was the son of Nat Waldo and Marion (Stevenson) Emerson. After attending Phillips Andover Academy, he received the AB (1934) from Dartmouth College and PhD in organic chemistry (1937) from the Massachusetts Institute of Technology. His doctoral dissertation was entitled “The Preparation and Properties of Trioxymethylene Derivatives.” At the University of Illinois, Urbana, he was a DuPont Fellow in chemistry (1937-1938) and an instructor in organic chemistry (1938-1941). As a corporate chemical researcher, Emerson held the positions: research chemist (1941-1944), Monsanto Company, Dayton, OH, research group leader (1944-1951), assistant director of Central Research Department (1951-1954), assistant director of General Development Department, St. Louis (1954-1956); manager of Center Research Department, American Potash & Chemical Corporation, Whittier, CA (1956-1960); and senior staff associate, Arthur D. Little, Inc., Cambridge, MA (1960-1972). After retiring, he was an adjunct professor, Bowdoin College and continued his consulting work. His diverse research specialties encompassed reductive alkylation, styrene chemistry, liquid phase oxidation, thiophene chemistry, dihydropyran chemistry, organo-metallic chemistry, applied organic chemistry, and research management.

Dr. Emerson held professional membership in several organizations, among them were: the American Association for the Advancement of Science, American Birding Association, American Chemical Society (chairman, Dayton Section, 1952), and American Ornithologists Union. In clubs he belonged to Chemists (New York City). Emerson was elected into the honorary societies: Alpha Chi Sigma, Delta Kappa Epsilon, Phi Beta Kappa, Phi Lambda Upsilon, and Sigma Xi.

While a resident in Lexington, MA, he was an active supporter for that city’s natural environment. As a loyal alumus, Emerson served Dartmouth College as: Alumni Fund agent (head agent), solicitor for Capital Gifts Campaign, and member, Class of 1934 Executive Committee. He also established alumni groups, gave speeches, and interviewed applicants. Besides his professional positions and alumni activities, he enjoyed pastimes in birding, fly fishing, golf, squash, reading, and philanthropy.

William Emerson is survived by his wife Flora Millicent (Carter) Emerson whom he married 12 December 1958, four daughters, and nine grandchildren. A private grave-side service was arranged by the Strong Funeral Home, Damariscotta.

William R. Burk

Harley Eugene Flack (1943-1998)

Harley Eugene Flack, age 55, president of Wright State University, educational administrator, and noted leader in the field of ethics and bioethics, died 29 March 1998 of cancer. Dr. Flack was the first African American president of a major metropolitan state university in Ohio. Shortly after receiving his doctorate, Harley organized in Buffalo, NY, the first meeting of African American and Spanish speaking faculty and clinical leaders in the health professions, forming the nucleus of the future National Society of Allied Health. Among his publications were numerous articles and several books: Minorities in Allied Health Education (1981), African-American Perspectives on Biomedical Ethics (1992), and Case Studies in Allied Health Ethics (1997). He joined The Ohio Academy of Science (1996).

Harley Eugene Flack, born 12 February 1943 in Zanesville, OH, was the son of Harley James and Mary Frances (Miller) Flack. He earned a BS in physical therapy (1965) from The Ohio State University and advanced degrees: MA in rehabilitation counseling (1968) from Kent State University, and PhD in counselor education (1971) from the State University of New York (SUNY) at Buffalo. His masters thesis was entitled “Some Variables Influencing Geriatric Socio-recreational Activity Participation” and his doctoral dissertation focused on “The Demographic Characteristics and Vocational Values and Self-concept of Lower Class Black Unemployed Individuals.” He served as physical therapist, Highland View Hospital, Cuyahoga County, OH (1965-1967); director, Physical Therapy Services, Western Reserve Convalescent Home, Kirkland, OH (1967-1968); and coordinating counselor, Experimental Program in Independent Study (1969-1970) and program coordinator, Summer Rehabilitation Core City Projects (1969-1971), SUNY at Buffalo. He professional positions were: assistant dean and assistant professor, School of Health Related Professions, SUNY at Buffalo (1971-1974); founding dean and professor, College of Allied Health Sciences, Howard University (1974-1987); vice president for academic affairs, SUNY at Old Westbury (1987-1989); provost and executive vice president, Rowan College (now University) (1989-1994); and president, Wright State University (1994-1998). On 1 November 1997, Dr. Flack took a leave of absence to undergo treatment for cancer.

Among professional organizations he held memberships: Academic Leadership Academy, American Association of State Colleges and Universities (National Advisory Committee); Association of Governing Boards Council of Presidents; National Society of Allied Health (president, 1986-1988); Ohio College Association (Executive Committee and Board); Robert K. Greenleaf Servant-Leadership Center (Board of Trustees). Dr. Flack was keenly interested in civic affairs. He was a volunteer care giver at Omega Hospital & St. Agnes Homes (1981-1984). In the greater Dayton, OH, area he served numerous organizations: A Special Wish Foundation (Honorary Advisory Board), Area Progress Council-Miami Valley (chair), Dayton Art Institute, Dayton Philharmonic Orchestra Association (Education Committee), Dayton Rotary Club, Greene County Progress Council, Miami Valley Economic Development Coalition, Miami Valley Research Foundation, National City Bank of Dayton, Ohio Aerospace Institute, 2003 Century of Flight Committee, and Wright-Patterson Air Force Base (Aerospace Initiative Team). He was a member of the Seventh-Day Adventist Church and African American CEOs. Noted for his involvement in civil rights causes and voter registration, he coordinated the first national conference on African American perspectives on biomedical ethics and developed the African-American Male Mentoring Program at Rowan College.

Even though Dr. Flack led Wright State University for less than four years, his legacy is accentuated with substantive accomplishments. He was instrumental in creating the Dayton Area Graduate Studies Institute which provides advanced engineering education and research in cooperation with other Ohio institutions. Some additional landmarks of his presidency were: establishment of a doctoral degree in engineering, reaccreditation of the University for ten years from the North Central Association of Colleges and Universities; approval of Vision 2020 to plan for the University’s future;
securement of state funds for educational services to assist students with disabilities; and initiation of the Student Servant Leadership Development Program and a campus climate program to ensure a welcoming atmosphere for everyone. Recognition of his academic and civic accomplishments resulted in notable honors: Distinguished Alumni Award, SUNY at Buffalo; Distinguished Alumni Award, Kent State University (1994); Lifetime Achievement Award, WROU and Keybank, Dayton, OH; Order of the Shield, The Ohio State University; Parity 2000, Dayton, OH; Paul Laurence Dunbar Humanitarian Award; and 10 Top American African Masters for 1994.

Harley Flack chose a career in higher education, but he began his life wanting to become a musician. A cousin to singer Roberta Flack, he came from a family with musical talent. Harley satisfied this artistic inclination by pursuing music as an avocation. He was director, St. John Baptist Youth Choir (1979-1984) and pianist, Martin Luther King Baptist Church Columbia (beginning 1984). An accomplished musician and composer, Dr. Flack was noted for his composition, "The Goree Suite," eight pieces for voice and African instruments, of which he was soloist and album producer. Among his more than 25 works for piano and voice was "A Nation: All Families," premiering at his presidential inauguration (7 October 1994).

Harley E. Flack is survived by his first wife, Bettie Flack to whom he was married 26 September 1965 to December 1984; his second wife, Mignon Scott Palmer Flack whom he married 20 July 1985; four sons, Harley E. Flack II and Christopher Farrar Flack, both of Silver Spring, MD, Oliver Palmer of Atlanta, GA, and Michael Flack of Dayton, OH; grandson Christopher Farrar Flack; and one sister, Sally Ann Holman of Cleveland, OH. A visitation service was held 3 April 1998 at the Ervin J. Nutter Center, Wright State University. On the next day at the Center morning services, officiated by Pastor Frederick Russell, were followed by interment at the Greenwood Cemetery, Zanesville, with arrangements by McKin Funeral Home. Memorial contributions may be sent to the Dr. Harley E. Flack Scholarship Fund, Office of University Development, Wright State University, Dayton, OH 45435-0001.

William R. Burk

**Ellis Louis Foster, Jr. (1923-1997)**

Ellis Louis Foster, Jr., age 73, retired metallurgical and research engineer at Battelle Memorial Institute, died on 26 July 1997 at Arlington Court Nursing Home, Columbus, OH. Working with and promoting technical societies in the greater central Ohio region, Foster earned the respect of his professional colleagues and fellow citizens. He received the Outstanding Service Award from the American Vacuum Society, Vacuum Metallurgy Division (1991). He joined The Ohio Academy of Science in 1996.

Born 2 October 1923, in Louisville, KY, Ellis Louis Foster, Jr. was the son of Ellis L. and Jessie (Spada) Foster, Sr. He received the BS degree in metallurgical engineering (1950) from the University of Kentucky. His professional experiences were: principal metallurgist (1956-1966), department technical advisor (1971-1973), program manager, Thermal Protection System (1973-1975), Battelle Memorial Institute; research staff, Institute for Defense Analysis, Arlington, VA (1975-1977); manager, Defense/Space Systems Materials Requirements Program Office (1977-1987) and senior research engineer, Defense & Aerospace Materials Group, Battelle Columbus Labs (1987-1992). In scientific investigations Foster was involved with materials and processing research as it applied to reactive and refractory composite materials for use in nuclear, defense, aerospace, and industrial applications.

His memberships in scientific societies were: American Defense Preparedness Association, American Institute of Aeronautics & Astronautics (officer, Local Section), American Institute of Mining and Metallurgical Engineers, American Society for Metals International (Regional Conference Committee), and American Vacuum Society (founding member, Vacuum Metallurgy Division). Serving on the International Conferences on Vacuum Metallurgy, Mr. Foster was chairman of the First (1967) and Ninth (1988) meetings, a member of its International Advisory Board (1967-1992), and head to the US delegation to the Tenth (1990) meeting in Beijing, China. In support of technical societies in central Ohio area, he served the organizations: Chamber of Commerce, Technology Alliance of Central Ohio (president, 1989); Columbus Technical Council (treasurer); and Central Ohio Technology Day Committee. Besides his professional pursuits, Mr. Foster enjoyed pastimes in gardening, woodworking, metalworking, and repairing and restoring automotive engines.

Ellis L. Foster, Jr. is survived by his wife Carolyn whom he married in 1950; one son, Eagan L.; one daughter, Jessica L. Dobson, all of Columbus, OH; three grandchildren, Brian, Eric, and Sean; two sisters, Rita Mullin of Louisville, KY, and Mary Lou McDonald of South Haven, MI. He was preceded in death by his brother Eagan Foster. Visitation hours were held 28 July 1997 at Schoedinger Northwest Chapel and the next day a mass of Christian Burial was held at St. Andrew Catholic Church, both in Columbus, OH. Interment took place at Resurrection Cemetery in the same city. Memorial contributions may be made to St. Andrew Church Building Fund, 1899 McCoy Road at Reed, Columbus, OH 43220.

William R. Burk

**Irene C. Heller (1944-1996)**

Irene C. Heller, age 51, a chemistry teacher at North Olmsted schools for 29 years, died 18 May 1996, at Fairview Hospital in North Olmsted of a heart attack. Mrs. Heller was named Chemistry Teacher of the Year in 1994 by the American Chemical Society. Her nomination for the award came from the school's science department chairman, Richard Frame, who wrote: "As a teacher, Mrs. Heller stands as a role model for her colleagues. Her teaching provokes the minds, provides for individual differences in students, stirs the intellect and motivates students toward achievements."

Irene Heller, born 10 July 1944 in Cleveland, graduated from the University of Toledo. She was the North Olmsted's adviser for all academic teams, coordinator for the annual Chemistry Olympics, and teacher of advanced placement chemistry. She was a member of the National Science Teachers Association, The Ohio Academy of Science (1988-1996), the American Chemical Society, and was elected to Phi Delta Kappa and Delta Kappa Gamma honorary sororities.

Mrs. Heller is survived by her mother, Emma H. Szanszlo of Cleveland; one sister, and two brothers. Services were held 23 May 1996 at the West Side Hungarian Reformed Church, 15300 Pritsad Avenue, Cleveland, OH. Arrangements were by the Corrigan Funeral Home in Cleveland.

Reldia E. Niederhofer

**Karl Esslinger Limper (1914-1997)**

Karl Esslinger Limper, age 82, Ordovician paleontologist, Professor Emeritus and former Chairman of the Department of Geology, Dean of the College of Arts and Science, and Acting Provost at Miami University, Oxford, OH, died 28 January 1997 at McCullough-Hyde Memorial Hospital. As an educator and administrator, he served Miami University for over 42 years. During World War II he was in charge of the ground school at the Naval Air Station, Norman, OK, reaching the rank of lieutenant commander. His research in paleontology was recognized with recognition of Fellow in the American Association for the Advancement of Science. A member of The Ohio Academy of Science since 1947, he affiliated with the Section of Geology, was elected a Fellow (1957) and was accorded Emeritus status (1995).

Karl Esslinger Limper, born 1 March 1914 in Wichita, KS, was the son of Henry W. and Vera S. (Esslinger) Limper. After graduating from high school in Westfield, NJ, he earned the BS (1935) and MS (1937) from Beloit College. His doctoral studies at the University of Chicago culminated with the PhD in geology (1953) and his dissertation was entitled "A Study of the Environment of the Eden in Kentucky." Among Limper's early professional experiences in geology were graduate assistant, Beloit College (1935-1937) and instructor, Hamilton College (1941-1942). At Miami University he served as: instructor (1939-1941), assistant professor (1946-1953), associate professor (1953-1956), professor (1956-1981), and
Richard F. Pannabecker (1922-1997)

Richard Floyd Pannabecker, age 75, professor emeritus of biology at Bluffton College where he taught for 32 years, died 24 October 1997 at his residence in Bluffton. Dr. Pannabecker joined The Ohio Academy of Science in 1973 and became a life member in 1982. He also held memberships in the American Association for the Advancement of Science and the American Institute of Biological Sciences, was a scout master of his residence in Bluffton. Dr. Pannabecker joined The Ohio Academy of Science in 1973 and became a life member in 1982. He also held memberships in the American Association for the Advancement of Science and the American Institute of Biological Sciences, was a scout master of his residence in Bluffton. Dr. Pannabecker was elected to Sigma Xi. Professor O'Neill received Xavier's Outstanding Faculty Award (1975) and served as a consultant to National Science Foundation Science Workshops. Dick was known by his friends and family as a generalist with outside interests in researching Irish history, genealogy, ancient churches, monasteries, megalithic tombs and stone circles, and etymology. He enjoyed playing bridge.

Surviving are his wife Mary Eleanor (Delea) O'Neill whom he married 4 January 1959; two sons, Thomas R. of Chicago, IL, and Michael J. of Columbus, OH; and one granddaughter. Visitation were held on 14 May 1995 at Nurre Brothers Funeral Homes, Cincinnati, and the following day Mass of Christian Burial was held with Rev. Theodore Thepe, S.J., professor of chemistry, as the principal celebrant of the Mass and the homilist. Memorial contributions may be sent to The Karl E. Limper Geology Museum, Miami University, Murstein Alumni Center, Oxford, OH 45056. (Information on Karl Limper's teaching experiences at Miami University and the Field Station in Wyoming was obtained from "A Memorial to Karl E. Limper, Professor Emeritus of Geology (March 1, 1914 - January 28, 1997)," by Wayne D. Martin, Joseph T. Urell, and John M. Hughes, all at Miami University.)

William R. Burk
Karen of Salisbury, VA; one daughter, Mary (Pannabecker) Steiner and her husband Fred Steiner of Bluffton; a brother, Robert of Kailua, HI; a sister, Alice Ruth (Robert) Ramseyer of Bluffton; and six grandchildren. A memorial service was held at the First Mennonite Church, Bluffton, 27 October 1997, with the Reverend Dorothy Nickles Friesen and Reverend Douglas Luginbill officiating. Burial was in Maple Grove Cemetery, Bluffton. Memorial contributions are to be made to the Richard and Wanda Pannabecker Scholarship Fund at Bluffton College or the First Mennonite Church.

Arrangements were by Chiles and Sons-Luman Funeral Homes.

REILDA E. NIEDERIIOFFER

Walter W. Randolph, Jr. (1932-1997)

Walter W. Randolph, Jr., age 65, Clinical Assistant Professor in the Department of Pathology at The Ohio State University, former Chief of Staff at Fostoria City Hospital, Fostoria, OH, and pathologist, died 5 December 1997 at his home in Delaware, OH, after a short illness. In addition to devoting nearly 40 years to medicine in Ohio, Dr. Randolph was a scoutmaster and district counselor for the Boy Scouts of America. He also served in the Medical Corps of the Ohio National Guard (1959-1967), advancing to the rank of major. In The Ohio Academy of Science he held membership (1950-1951, 1964-1997) and affiliated in the Section of Medical Sciences.

Walter W. Randolph, Jr., born 19 April 1932 in Toledo, OH, was the son of Dr. Walter and Della (Watson) Randolph. Following graduation from Culver Military Academy, he completed the BS in biology (1954) at Denison University, Randolph, known as Woody to his friends, received his MD (1958) from The Ohio State University, College of Medicine and his Ohio medical license in the same year. After serving on a rotating internship at Mercy Hospital, Toledo, OH (1954-1959), he completed his residency in pathology at Cincinnati General Hospital (1959-1960) and Mercy Hospital (1960-1963). He was awarded his certification from the American Board of Pathology (1963). Dr. Randolph served on the medical staffs (some concurrently): Mercy Hospital (1963-1965); Drs. Burns, Hartung, Zimmerman, and Hanson, Toledo, OH (1963-1965); Memorial Hospital, Fremont, OH (1963-1994); Fostoria City Hospital, Fostoria, OH (1963-1993); Bellevue Hospital, Bellevue, OH (1963-1993); Magnifier Hospital, Port Clinton, OH (1963-1988); ZIRMM Pathology, Inc., Fremont, OH (1965-1993). Since April 1995, he was clinical assistant professor of pathology, The Ohio State University.

Among his numerous memberships were: American Association for the Advancement of Science, American Association of Blood Banks, American Medical Association, American Pathology Foundation, American Society for Quality Control, American Society of Clinical Pathologists (fellow), College of American Pathologists (president, fellow, and inspector), National Committee for Clinical Laboratory Standards, Ohio Society of Pathologists (president, 1979-1980), Ohio State Medical Association, and Sandusky County Medical Society. Dr. Randolph also served the American Red Cross Blood Services, Northwestern Ohio Region (Blood Services Committee and Medical Advisory Committee). He was also a member of the Audubon Society. In honor societies he was elected to Alpha Epsilon Delta, Phi Delta Theta, and Nu Sigma Nu. Besides his profession, Dr. Randolph enjoyed outdoors pastimes of bird watching, fly fishing, canoeing, and hiking. Cultivating plants in his greenhouse, he especially liked growing chili peppers and making salsas for friends.

Dr. Walter W. Randolph, Jr. is survived by his wife, Patricia M. Randolph to whom he was married for 36 years; two daughters, Terri Ward of Fort Collins, CO, and Julie Habecser of Columbus, OH; one son, Walter W. Randolph III, MD of Akron, OH; three grandchildren, Whitney, Kaeghan, and Christopher; and one sister, Elizabeth McCraw of Dundee, NY. A memorial service was held 9 December 1997 at Schoedinger-Worthington Chapel, Worthington, OH. Memorial contributions may be sent to the Walter W. Randolph, Jr. Fund for Medical Research, The Ohio State University.

WILLIAM R. BURK

Reverend Charles Valerian Reichart (1910-1997)

The Reverend Charles Valerian Reichart, O.P., age 86, clergyman, entomologist, Professor Emeritus and former Chairperson of the Department of Biology at Providence College, died 17 January 1997 in Roger Williams Hospital, Providence, RI. As a researcher of Notonectidae (Hemiptera: Insecta), he traveled extensively and discovered several species of insects new to science. According to Reichart’s request, his insect collection was donated to the National Museum of Natural History, Smithsonian Institution. Among his writings was the five-part publication, “Aquatic Hemiptera of Rhode Island” (Biological Notes (Providence, RI, 1970-1993)). He joined The Ohio Academy of Science in 1945, affiliated with the Section of Zoology, and was accorded Emeritus status (1984).

Born 8 February 1910 in Zanesville, OH, Charles Robert Reichart (his given name), was the son of John Michael and Nell (Moran) Reichart. Upon graduation from St. Thomas High School in Zanesville, OH, he attended Providence College (1928-1932). His theological and ecclesiastical studies were completed at: St. Rose Priory, Springfield, KY (1931-1932); Dominican House Studies, River Forest, IL (1932-1935), earning a BA in philosophy; St. Joseph Priory, Somerset, OH (1935-1936); and Dominican House Studies, Washington, DC (1936-1939), receiving a degree in sacred theology. He was ordained a priest in the Roman Catholic Church (June 1938). While enrolled at the Catholic University of America (1946-1938, summer 1940), he served as a laboratory assistant in microtechnique. Father Reichart earned advanced degrees in entomology from The Ohio State University: MS (1945) and PhD (1947). His master’s thesis, “A Study of Some Economically Important Hemiptera with a Key for Identifying Late Nymphal Stages under Field Conditions,” and his doctoral dissertation, “An Ecological and Taxonomic Study of the Aquatic Insects of Blacklick Creek (Franklin County, Ohio),” were completed under the guidance of Alvah Peterson. He served as biology teacher, Aquinas College High School, Columbus, OH (1939-1942), and graduate assistant, assistant instructor, and instructor of zoology. Department of Zoology and Entomology, The Ohio State University (1944-1997). His positions at Providence College, Department of Biology were instructor (12 May 1947).

Father Reichart devoted more than 50 years to teaching biology and conducted worldwide field research. An advisor to students preparing for the health professions, Reichart was known by his students as a tough, but honest, professor. His entomological investigations took place in more than 57 countries and he traveled to locations 375 miles above the Arctic Circle and to within 1,175 miles of Antarctica. Through the years he assembled an impressive insect collection of 30,000 specimens housed in 143 drawers of pinned insects and several hundred vials of larval specimens. A special ceremony to celebrate the posthumous transfer of this outstanding research collection to the National Museum of Natural History, Washington, DC, was held at Sowa Hall, Providence College (12 May 1997).

Father Reichart also provided extensive civic and community services. Some of the organizations he helped were: Louisquisset Country Club (numerous offices, 1964-1984), Rhode Island Advisory Council to License Clinical Laboratories (1961-1963), Rhode Island Civilian Defense Committee on Biological Warfare (1964-1970), and Rhode Island Heart Association (Research Committee, 1962-1965 and Education Committee, 1963-1966).

When Charles Reichart entered (1931) the Order of Friars Preachers (O.P.), known as the Dominicans, he took Valerian as his religious name. Among his numerous memberships in professional societies were: American Association for the Advancement of Science, Connecticut Entomological Society (vice president, 1969-1970, 1983-1984; president, 1970-1971), National Association of Advisors for the Health Professions (treasurer, 1970-1976), Rhode Island Academy of Science (charter member; president, 1963-1965), Rhode Island Biological Association (president,
1961-1964; Executive Board member), Rhode Island Wildlife Federation (Board of Directors (1954-1966); treasurer, 1956-1966), Rhode Natural History Society (vice president, 1951), and Rhode Island Natural History Survey. In popular science organizations he was a national associate of the Smithsonian Institution and a fellow of the Explorers Club. In fraternal societies he joined (1940) the Knights of Columbus. His honors in societies included election to Alpha Epsilon Delta (national treasurer, 1960-1968, founding, Rhode Island chapter), Beta Beta Beta, Beta Kappa Theta, and Sigma Xi. Father Reichart's contributions to Providence College also earned him noteworthy honors from that institution. He was awarded an honorary MA degree from Providence College (1958). At the College's 1995 Academic Convocation, Reichart was honored as the first recipient of the President's Distinguished Faculty Award, presented to a faculty member who has attained recognition in his or her field of research and has achieved scholarly recognition through dedicated service to the College. Another honor, the Father Charles V. Reichart, O.P., Scholarship Fund, established by grateful former students (1996), provides financial assistance to deserving students in premedical studies concentrations.

Charles Reichart is survived by a sister, Eleanor Burley, of Robinson, IL, one nephew, and one niece. His brothers, Herbert and John Reichart, predeceased him. The Office of the Dead was chanted 20 January 1997 at the St. Thomas Aquinas Priory Chapel, Providence College, and the following day the Mass of Christian Burial was celebrated at St. Pius V Church, Providence, RI. Interment took place at the Dominican Community Cemetery, Providence College.

William R. Burk

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