

## **Raymond R. Beneke Memorial Resolution**



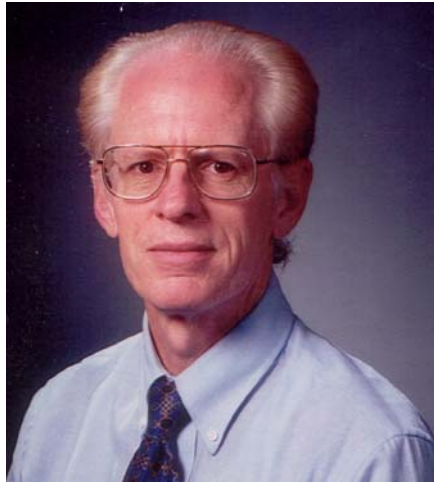
Raymond Rudolph Beneke, Professor Emeritus of Economics, died on Tuesday, February 1, 2005, in Roseville, Minn. He was 85 years old. Dr. Beneke was born August 14, 1919, on the family farm near Laurens, in rural Pocahontas County, Iowa. He graduated from Laurens High School in 1936 and from Iowa State College in 1940. After teaching high school and serving in the U.S. Army, Beneke undertook graduate studies in agricultural economics at Iowa State in 1945. He later transferred to the University of Minnesota where he received a Ph.D. in agricultural economics in 1949.

Ray joined the Department of Economics in 1948 and served on the faculty of Iowa State University for more than 40 years. He served as the Economics Department's Chair from 1973 until 1984. He became a professor emeritus in 1992. In the early years of Ray's career, he provided leadership in the development of the Economics Department's agricultural business program. He coauthored three textbooks pertaining to farm management and linear programming. He was a trustee of the ISU Agricultural Foundation from 1978 to 1984. In 1968, he received the Outstanding Teaching Award from ISU. That same year, he also received the Distinguished Undergraduate Teaching Award from American Agricultural Economics Association (AAEA). He received a faculty citation from the ISU Alumni Association in 1975. He served as Secretary/Treasurer of the AAEA from 1985 until 1996 and was named a Fellow in 1996. His lasting claim to distinction was the dedication, skill and compassion with which he a) advised hundreds of undergraduates and supervised graduate degree candidates; b) served on graduate committees in economics and other disciplines; c) worked to refine linear programming into a useful farm management tool; d) provided leadership as Chair of the Department of Economics at Iowa State University; and e) provided important leadership to the AAEA.

Dr. Beneke was a strong supporter of international programs. ISU's Economics Department first became involved in a major way with international programs in the early 1960s. Dr. Beneke had summer assignments in Peru and Mexico in the 1960s and in Peru and Zambia during the 1980s and early 1990s. He was firmly convinced that the Economics discipline could make a major contribution toward alleviating poverty in the developing countries through improving decision making in the private sector and on the part of government. He welcomed qualified graduate students from developing countries and believed that the training of foreign graduate students was an efficient approach to improving the human condition in developing countries.

He married Marjorie Laurene Mather Sept. 5, 1948, in Laurens. He is survived by his wife and two daughters, Janet, born in 1951, and Patricia, born in 1955. As a hobby, Ray traveled extensively, conducted genealogical research, and authored a family book on the subject. His other interests included rose gardening, woodworking, antique cars, major league baseball, computers, Spanish, and photography.

## Fred Duffelmeyer



Dr. Fred Duffelmeyer taught at the College of Education, Department of Curriculum and Instruction beginning in 1979 and retired in 2004. He died January 29, 2005.

Dr. Duffelmeyer's impressive professional accomplishments have directly and indirectly positively touched the lives of thousands of young readers. Both his research and his teaching were centered upon improving reading instruction, and he leaves a strong legacy in this area. Throughout his career, his commitment to improving reading instruction never wavered, and there was strong synergy among his teaching, research and service work. Early in his career, he founded the ISU Reading Improvement Clinic, a clinic that is still thriving today. Over more than two decades, this clinic has provided reading support for hundreds of young readers and reading teaching experience for hundreds of young teachers.

Throughout his career, Fred was an active and productive scholar. He has published more than 50 journal articles on his research in reading. Fred was also very willing to share his research expertise with younger colleagues working on the challenge of promotion and tenure. He was always a willing reader and gentle critic of the work of others, and made large contributions to the research successes of many of his colleagues.

A truly outstanding teacher who spent long hours on lesson and curriculum preparation, Fred was admired and respected by his students. Students appreciated the energy and care he brought to his teaching. Students characterized Fred as an exceptionally knowledgeable and well-prepared teacher and cite the amazing amount they learned in his class. Phrases like "best teacher I have had at ISU", "incredible knowledge of teaching reading," "always well prepared and unbelievably organized" and "brings knowledge from his work with children" were regulars on Fred's student evaluations. The strongest themes from his student's comments centered on their appreciation for the amount they learned about effective reading instruction in his class.

Fred was an active and valued colleague in the Department of Curriculum and Instruction at ISU. He was known for his insightful, informed and calm contributions at faculty meetings. One colleague recalled Fred's leadership of our Department Undergraduate Studies committee and how he was able to turn meetings into thoughtful, intellectual interchanges focused on program improvement rather than "following rules".

In addition to his professional achievements, Fred was a talented pianist and artist. His beautiful photographs of the Iowa State University campus hang in the offices of the Department of Curriculum and Instruction.

Fred was also an active and enthusiastic participant in department social events. He was an enthusiastic member of the department bridge group and was well known for his expertise in bridge. He also was a talented faculty softball player and played first base on the department team, leading the team to its first intramural championship.

Colleagues also remember Fred as a family man who derived great joy from the adventures and accomplishments of Emily, Andy and Barb. It wasn't Fred's style to brag----but if you asked about one of them, he would light up as he described an athletic accomplishment, new major, or professional success.

**Max Vernon Exner**  
**Jan. 13, 1910 – Dec. 30, 2004**



Max Vernon Exner died Thursday, December 30, 2004, at Israel Family Hospice House in Ames. The 94-year-old Exner was a leader in choral music in Iowa for six decades.

Max Exner was born January 13, 1910, in Shanghai, China, to Elizabeth Wells Exner and Dr. Max J. Exner, a medical missionary and public health officer with the YMCA. In 1933, Exner received an A.B. from Columbia College in English literature and modern languages. In 1937 he received a certificate in conducting and organ from the Neues Wiener Konservatorium in Vienna, Austria. Folk songs he learned bicycling through the Austrian Alps appeared in songbooks published throughout his career. Max received the M.A. in musicology, composition, conducting, and organ from Columbia University in 1947.

Exner served as field radio operator in the Tunisian campaign of WWII and was wounded in action. In Florence, Italy, in 1945, he sang weekly in the mass in a choir of Jesuit monks. He later composed a full mass in the brothers' honor, which they performed.

Max met his wife, Eileen Smithers, when both worked for the Extension Service in New York State prior to WWII. They married November 9, 1945, and moved to Ames, where Max served in the Extension Service as State Music Specialist from 1947 until 1980. In this role, he conducted a statewide leadership training program for community, church, and youth leaders that included singing, music appreciation, and folk dancing. Exner directed statewide festivals of Iowa's County Women's Choruses, led music and dramatic productions for youth organizations and camps, and wrote and directed programs for annual 4-H state conferences.

Max Exner directed church choirs for more than 70 years, including those of the Riverside Church, New York, 1938-40, the Memorial Lutheran Church, Ames, 1947-48, the United Church of Christ, Congregational, Ames, 1948-1989, and the Marion St. United Methodist Church, Boone, 1989-2004. Max's choral compositions have been printed by seven publishers. His anthem, "I Have a Dream," was approved by the Martin Luther King Foundation.

Max was active in the arts in Ames, participating in choral festivals, the Heartland Senior Variety Show, and other events. With Eileen he led Ames International Folk Dancers for many years. He was an avid gardener, a supporter of humanitarian causes, and a source of inspiration to his immediate family, grandchildren, and a national clan of Exners.

Max Exner leaves behind Eileen, his wife of 59 years; children, Heide Larson, Alison Kaiser, and Rick Exner; and grandchildren, Alodie Larson, Skylin and Gavin Thompson, and Heidemarie and Roselinde Kaiser. His daughter, Holly Susan Exner-Thompson, preceded him in death.

A memorial celebration for Max was held Saturday, March 5, at the United Church of Christ, Congregational in Ames. Donations in memory of Max Exner will be directed to a scholarship in music education at Iowa State University and to the Martin Luther King Scholarship Fund of Iowa for a college scholarship in arts education.

Respectfully Submitted,  
Sue Haug, Head  
Department of Music

## WAYNE R. HANSEN



Wayne Hansen, 76, died at Israel Family Hospice House in Ames on April 28, 2004 after a long and courageous fight with cancer.

Hansen was born in Atlantic, Iowa in 1928 to Nettie (Feldman) and Chris Hansen. He was a graduate of Iowa State University. He obtained his PhD degree there in 1972.

Wayne was a World War II veteran of the U.S. Navy as Seaman First Class (1946-1948). He worked as the Clay County Extension Director (1959-1967) in Iowa before joining the University of Missouri as an Extension Agronomist (1973-1978).

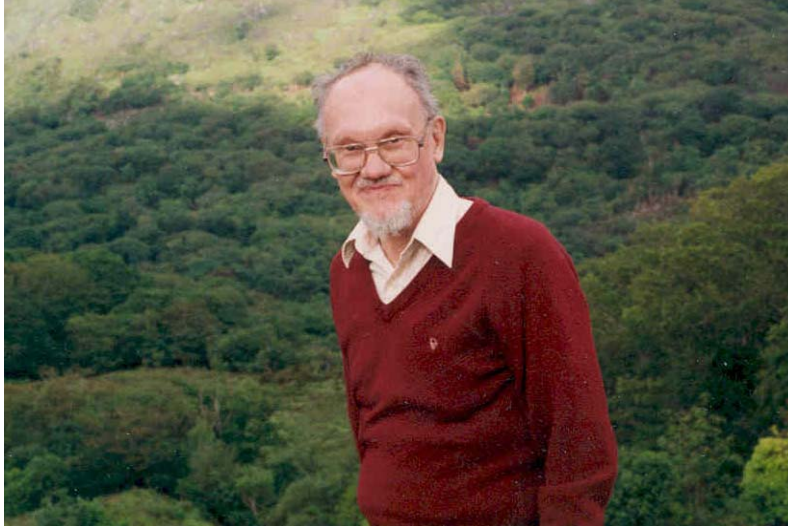
He began his work at Iowa State University in 1978. His research focused on small grains and alternative crops for the extension service. He also managed the Iowa Master Growers Soybean and Corn Contest from 1978 to 1996 when he retired as an associate professor. He was also Secretary of the Iowa Crop Improvement Association during his term at ISU. He was a member of the American Society of Agronomy and the Crop Science Society of America, and also was involved in Rotary International.

He is survived by his wife, Pat; daughter, Paula Millikin (Brad) of Sobieski, WI; son, Bruce Hansen (Brighid) of Plymouth, MN; brother, Donald Hansen of Roseville, CA; sister, Gloria Hansen of Washington, D.C. and four grandchildren, Stuart, Forrest, Travis, and Rachel Milliken. He was preceded in death by his parents and a brother, Gail Hansen. Memorials may be made to Israel Family Hospice House of Ames.

## George Peglar

September 2, 1922

January 7, 2005



George Peglar received his B.S. at Central Missouri State College in 1942. After attending classes in meteorology at the University of Chicago he was commissioned in the Army Air Force in 1942, serving until 1946, when he left with the rank of Captain.

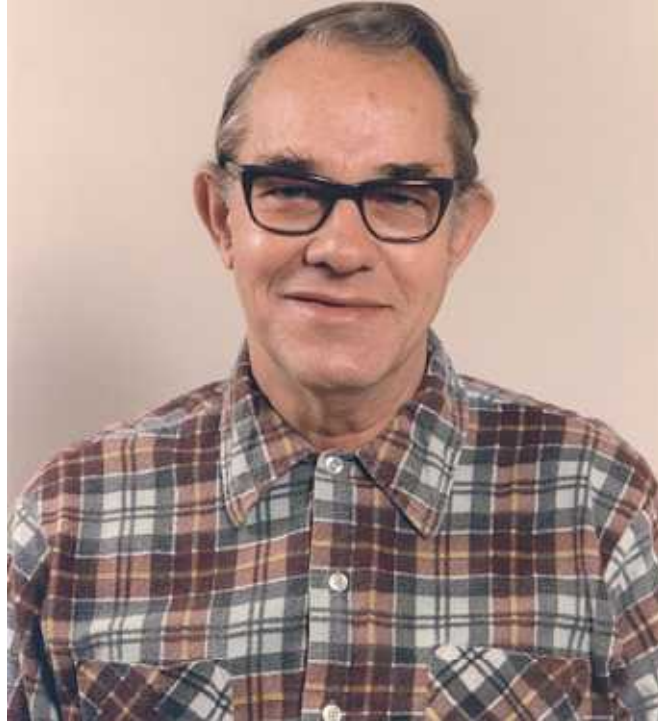
He received his Master's in mathematics at the University of Chicago and his Ph.D. at the University of Iowa in 1953. His dissertation was in the field of Algebraic Geometry. George was appointed to the faculty at Iowa State College (now Iowa State University) in 1952 and spent 35 years here, being promoted to the rank of professor in 1967. He retired in 1987 to move with his wife to San Francisco, where he lived until his death from a heart attack this January.

During his tenure at Iowa State, George taught almost every undergraduate course offered and most graduate courses that emphasized algebra. He also had a number of Master's students. George was always enthusiastic about the Arts, taking frequent trips to visit art museums, see plays and attend concerts. He also enjoyed reading literature while playing jazz or classical music. Some of his colleagues still recall his regular discussions with them about various books that he was interested in. George was also interested in teaching and how to improve it, so he was proud to have helped design one of the first teacher evaluation forms used by the department mathematics.

## Richard H. Sprague

November 9, 1924

March 22, 2005

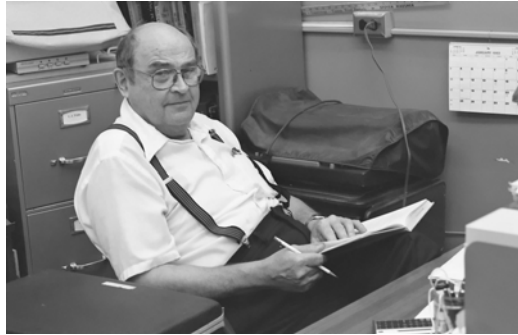


Dick Sprague left high school to join the Marines in 1943. He rose to the rank of Staff Sargent and returned to civilian life in 1946. After finishing high school, he got a B.S. in mathematics at Maryville College (Tenn.). He attended Ohio State University before transferring to the University of Kentucky for his M.A. in 1952. He taught at the New Mexico State University from 1958 to 1960 while he finished his Ph. D. He wrote his dissertation in complex variables at the University of Kentucky, finishing in June, 1961. He joined the Iowa State Mathematics Department in September, 1961 and taught here until his retirement in 1995. Dick died at age 80 in his sleep, apparently from a hemorrhage.

Dick was a friendly and outgoing person who enjoyed teaching and working with students. This is clear from his activities here, which included advising, working with education majors, our honors programs, our Putnam Exam team (this is a national undergraduate competition in mathematics) and our undergraduate mathematics club, Pi Mu Epsilon. After retirement he still enjoyed visiting his many friends in the Mathematics Department on a regular basis, who will miss him.



## Clarence (Jolly) James Triska



Iowa State and the Department of Electrical and Computer Engineering lost a great colleague and friend when Emeritus Professor Clarence James Triska, better known to generations of students and colleagues as "Jolly," died on January 17, 2005. Jolly and his friendly smile and helpful attitude are greatly missed.

Jolly enrolled at Iowa State following his service in the U.S. Navy during World War II but he actually attended his first-year classes at the Camp Dodge Annex. The students at the Annex ate, slept, and attended classes in military facilities. Jolly once remarked, "It seemed as if I were still in the Navy," when recalling his experiences. The engineering college had been unable to accommodate all of its students in the fall of 1946 because, like Jolly, several hundred of them were freshmen and many wanted to be electrical engineering majors.

He graduated from ISU with a B.S. in electrical engineering in 1950 and worked for Autonetics until 1952 when he went to Hycon to design magnetic amplifiers. While at Autonetics, Jolly met Walter R. Evans, the inventor of the widely-known root-locus method of control systems stability analysis. His editorial assistance is acknowledged in Evans' book, *Control Systems Dynamics*. He soon left industry to earn an M.S. (1956) and Ph.D. (1961) and then joined the EE department at ISU. While still a graduate student, he helped construct the Network Analyzer, a room-sized analog computer used to study power distribution systems. His professional interests would eventually lead him to work in control system theory and, later, the emerging field of computers and digital systems. He co-authored two books on the 6502 microprocessor that was used in the first Apple computer.

Jolly would always lend a helping hand to students and colleagues. With his own money, he bought the first computer monitor in the EE department and later taught many computer courses and set up the department's first computer labs. According to his long-time friend, Rollie Knight; "He was a computer engineer before they had computers. When someone had problems with computers, they went to him for help. He took whatever time was needed to fix the problem." Another close colleague, Morris Mericle said; "Jolly was always there to help. He was a superb teacher and had real empathy with his students. Plus, he brought some real-world experience to these young engineers."

After retirement, Jolly was in the office every week-day, all day. Instead of relaxing at home after retiring, he helped out at the university whenever he could. According to friends, he particularly enjoyed advising seniors who were working on senior design projects. He also compiled a web-based history of the EE department, working with Lynette Sherer. In 2002 he received the Mervin S. Coover Distinguished Service Award.

## Adolf Frank Voigt



Adolf Frank Voigt, Emeritus Professor of Chemistry, died March 11, 2005 in Ames at Green Hills Health Care Center.

A. F. Voigt was born in 1914 in Upland, California and received his BA degree in Chemistry at Pomona College in 1935 (with high honors and distinction), and his MA at Claremont College the following year. He then enrolled in graduate study at the University of Michigan where he worked in a new and forward looking research program in radiation chemistry under Kasimir Fajans who had just arrived from Munich. Voigt finished his Ph.D. in 1941 and in the following year taught as an instructor at Smith College and married Mary London from Grand Rapids, MI.

Adolf Voigt was enticed to Iowa State College in 1942 by a phone call from Frank Spedding who was running the secret uranium production program for the Manhattan Project and needed a radiation chemist, first in uranium production/decay product problems and later in plutonium separations. In 1946 Voigt joined the Chemistry Department, and subsequently taught and directed graduate and programmatic research in radiation and nuclear chemistry, activation analysis, and separations in the Ames Laboratory for many years. During his time at Iowa State, Voigt directed Ph.D research programs for 35 students and published a total of 88 articles in the literature. Much of the early introduction of and safe use of radioisotopes around campus was guided and overseen by Voigt and his campus-wide radiation safety committee. The last activity was noteworthy in never having been criticized by the U.S. Nuclear Regulatory Commission.

Adolf Voigt was promoted to Professor in 1955 and became Assistant Director of the Lab in 1959. Later he was heavily involved in the selection, construction, and operation of the Laboratory's 5 MW Research Reactor northwest of campus, of which he became Director in 1968. He also received a faculty citation in 1968. The reactor was shut down by ERDA (the AEC successor agency) in 1978, and Voigt then oversaw its decommissioning and removal.

Adolf Voigt retired in 1982 after 40 years at Iowa State. He was a member of the honorary societies Phi Beta Kappa, Sigma Xi, Phi Kappa Phi and Phi Lambda Upsilon. Adolf and Mary were well known for their love of classical music and were also well recognized as gracious and caring hosts in their home for their friends and younger faculty.

He was preceded in death by Mary in 2004, and is survived by a daughter Maryanne (Heidemann) of Big Rapids, MI and a son Richard of Fort Collins, CO.

## Max S. Wortman



Max S. Wortman, Jr. Distinguished Professor of Management at Iowa State University died on March 25, 2005 at Mary Greeley Medical Center in Ames.

He was born on December 15, 1932, to Max and Pearl (Hansban) Wortman in Iowa City. He grew up in Davenport and graduated from Davenport High School in 1951. He received a B.S. in Civil Engineering from Iowa State College in 1956 and his Ph.D. from the University of Minnesota in 1962. He married Cora Ann Reed in 1959 in Minneapolis, Minnesota.

His nearly fifty years as an educator began and ended at Iowa State University. He was a full-time Instructor of Engineering Graphics and Mechanical Engineering from 1956 to 1957 and a Distinguished Professor of Business in the Department of Management from 1994 until his untimely death. In between, he served on the faculties of the University of Minnesota, University of Iowa, U.S. Naval Postgraduate School (on sabbatical), University of Massachusetts, Virginia Tech, and University of Tennessee. At Iowa State, he also held the Pioneer Hi-Bred International Chair in Agribusiness from 1988 to 1999 and at the University of Tennessee he was the William Stokely Professorship of Management from 1981 to 1988.

Besides teaching he had a strong interest in the university as a whole and served on numerous committees. Dr. Wortman was also the consummate university citizen. He freely gave of his time serving on faculty senate and on university, college or departmental committees, at every university with which he was associated. At Iowa State, he was a Faculty Senator and served a term as the Senate President and on numerous senate councils and task-forces. Dr. Wortman was very active in his professional organizations as well and served in numerous international, national and regional professional associations. He was a founding member of both the U.S. Association for Small Business and Entrepreneurship and the International Agribusiness Management Association. He was a Fellow, President, and Chair of numerous committees in the Academy of Management. He was also named a Fellow of the Decision Sciences Institute, the U.S. Association for Small Business and Entrepreneurship, and International Food and Agribusiness Management. Dr. Wortman also served as President of North American Case Research Association, President of the U.S. Association for Small Business and Entrepreneurship, President of the North American Case Research Association, and Chair of the Board of Regents of the Institute for Certified Professional Managers. Dr. Wortman's service to his profession was profound. He also served as the first editor of the *Academy of Management Review*, one of the premier journals in management, and as editor of the *Family Business Review*, the premier academic journal devoted to issues related to family businesses. In addition, he served on the editorial review boards of a variety of journals throughout his career.

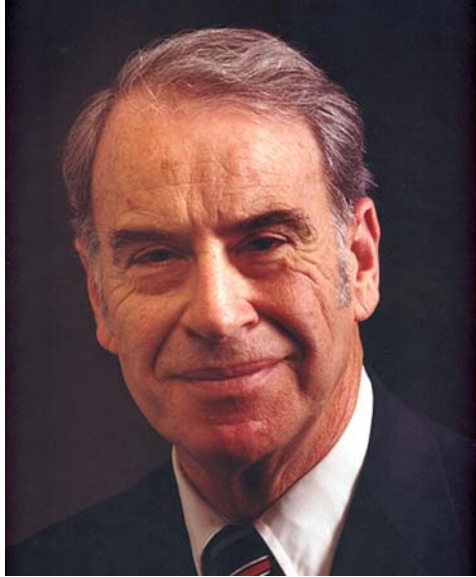
Dr. Wortman received distinguished service awards from numerous professional associations, including: the Human Resources, Women in Management, and the Entrepreneurship Divisions within the Academy of Management and the Chusmir/Sage Publishing Award for Outstanding Service to Women and Minorities by the Academy of Management. Particularly noteworthy is the fact that when both the Academy of Management and the Institute for Certified Managers decided to offer Distinguished Service Awards for the first time, each association selected Dr. Wortman to be the initial recipient; the former in 1989, and the latter in 1990. He received the first Max. S. Wortman, Jr. Distinguished Service Award in 2004 from the U.S. Association for Small Business and Entrepreneurship which will now continue to recognize annually one individual for this award in his name.

Throughout his career, Dr. Wortman maintained an active research agenda. He published seven books, two dozen book chapters, over one hundred refereed journal and proceedings papers. But it was his service to others – his students, his profession, and society for which he will be most remembered. Dr. Wortman was, first and foremost, a devoted teacher. He served on nearly a 100 doctoral committees (chairing more than 30), and more than 150 masters committees (chairing more than 100). More than just a teacher to his students, Dr. Wortman served as a mentor to each one, resulting in numerous lasting relationships with former students, who rank among today's outstanding faculty and business executives.

Dr. Wortman actively participated in numerous community affairs and was a current member of the City of Ames Board of Review and a Republican precinct chair. He had also served on the Human Relations Commission and the Commission on the Arts. He was a member of Collegiate Presbyterian Church where he had been an elder and served on various committees.

He is survived by his wife Cora, his son Kirk Wortman and his wife Donna of Riverside, CT, his daughter Sara Demyanovich and her husband Jim of Springfield VA, four grandchildren Christopher and Caroline Wortman and Beth and Julie Demyanovich, his mother Pearl Wortman of Davenport, IA, his 3 sisters Janet Wortman of Portland, OR, Carol Spencer and her husband Jim of Shelbina, MO, and Betty Wortman of Laramie, WY and his brother Randy Wortman of Davenport, IA.

## Daniel J. Zaffarano



Dan (Daniel J.) Zaffarano died peacefully of pneumonia on December 3, 2004, 13 days before his 87th birthday. He will be remembered as a talented and productive physicist and administrator at Iowa State University, with a congenial, outgoing and caring personality. His love of music made him as comfortable in the Music Department as in Physics. He and his wife, Suzanne (Suzy), were very proud of their son and five daughters, all of whom were by his side during his last days.

Dan was born in Cleveland, Ohio on December 16, 1917, and received the B. S. degree from the (then) Case Institute of Applied Science in 1939. At Union Carbon and Carbide, he worked on the development and application of the battery used in WWII proximity fuses. A. C. G. Mitchell, a colleague on leave from Indiana University, persuaded Dan to join him there for graduate work. Just after he and Suzy were married in August 1946, Dan started his graduate work, collaboration in the design, construction and use of a state-of-the-art beta-ray spectrometer. Four papers describing data taken with that instrument were the basis of his 1949 dissertation.

He joined Iowa State University in 1949 as a Research Associate Professor in the Physics Department and the Ames Laboratory of the (then) USAEC. In 1947, Frank Spedding, Director of the Ames Lab, had ordered a 70 MeV synchrotron from GE; one of Dan's responsibilities for the next 22 years was the oversight and use of that facility. The photonuclear program produced 50 Ph. D. and 50 M. S. graduates and over 100 papers involving giant multipole resonances, photoneutron cross section structure in light nuclei, and photo-activation cross sections. Dan also assisted in the planning and staffing for a 5 MW heavy water research reactor that was installed by the USAEC in 1964 near the synchrotron. Here, his major contributions included hiring new faculty members Allan Mackintosh, to establish a neutron diffraction program, and Willard Talbert, to set up an on-line mass spectrometer (TRISTAN) for analyzing nuclear fragments.

The Zaffaranos spent an enjoyable 16 months in England in 1956-7. Dan was the Office of Naval Research liaison scientist in Europe; with his broad scientific interests and outgoing personality, he was a welcome guest as he visited institutions and laboratories.

He became Chair of the Physics Department in 1961 (also Chief of the Ames Lab Physics Division) and was responsible for recruiting new faculty, a growth in the number of graduate students, and a heightened level of sociability and interaction in the Department. He was responsible for a successful NSF Facilities Program proposal for partial funding of a 160,000 sq. ft., \$2,500,000, Physics Building Addition, which was occupied in 1966. The enormous positive impact of that facility on the Department suggests that it is arguably his major legacy to Iowa State. The Physics Addition now is known as the "Daniel J. Zaffarano Physics Addition," as of a February 3 action by the Board of Regents. Zaffarano supervised Ph. D. programs and regularly taught introductory courses. In 1967, he was named Distinguished Professor in Sciences and Humanities and became a Fellow of the American Physical Society. Colleagues, present and past, and alumni celebrated his Iowa State career at an 85th birthday festival in 2002.

In 1971, Dan became a popular and respected Vice President for Research and Dean of the Graduate College at Iowa State, with an infectious enthusiasm that continued until his retirement in 1988. He strongly encouraged the publication of the results from graduate student research, with questions about publication a standard part of the exit interview he conducted with each Ph. D. recipient. A fund established after his retirement set up the Zaffarano Prize, which is given annually to the Ph. D. recipient with the best publication record; he always attended the award dinner. He was the Director of a 1974, \$3,000,000, state project to explore the environmentally-friendly strip mining of Iowa coal and the use of physical methods to reduce its high sulphur content. The project produced usable coal with the strip mines restored to productive farmland, but the project was terminated in 1981 with the significant reduction of rail costs for low sulphur Western coal. In 1977, he convinced Iowa State University to host a well-attended international conference on the potential use of icebergs as a source of fresh water. He also strongly supported the establishment of a University-wide Biotechnology Program, for which initial State funding was provided in 1986. That Program is thriving today. He was active in the Argonne Universities Association, the Universities Research Association for Fermilab, the Council of Graduate Schools in the U. S., the Council for Research Policy and Graduate Education of the Land Grant Association, the mid-America State Universities Association, and the Midwestern Association of Graduate Schools.

Dan also was active in community musical organizations. He enjoyed singing and was founder and first president of the Ames Choral Society. He and Suzy provided leadership for the Ames Town and Gown Chamber Music and Ames International Orchestra Festival Associations, and for the Friends of Music for the ISU Music Department. One of his last public appearances was at a Music Department scholarship musicale in the Fall of 2004. We will miss him.

Clayton A. Swenson  
John R. Clem  
*Iowa State University*  
*Ames, Iowa*