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**In Memoriam: Mark F. Boyd; Alvin W. Bryan; Mary Anna Rose Callan; Richard D. Campbell; Harry Lewis Foust; Martin L. Grant; Robert L. King; Earl C. McCracken; Robert D. Michael; Tullio Mordini; Roy Andrew Nelson; Richard D. Nuckolls; Francis E. Ray; Viola Smith; Karl A. Stiles; C. P. Wilsie**

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## *In Memoriam*

MARK F. BOYD  
1889 — 1968

Dr. Mark F. Boyd, 79, internationally known in the field of tropical medicine, died May 31, 1968 after suffering a heart attack.

He had lived in Tallahassee since 1931 and retired in 1947 but maintained a keen interest in science and in the history of Florida concerning the period of Spanish occupation.

Dr. Boyd held many degrees in his field, including an honorary degree in science awarded by Florida State University in 1950.

After coming to Tallahassee he was given full faculty privileges at Florida State where he maintained a research laboratory as a member of the staff of the International Health Division, Rockefeller Foundation.

In this role, maintained from 1921 until his retirement, he served as consultant to many foreign countries, particularly in South America, in tropical diseases. He directed the station for malaria service at the Florida State Hospital at Chattahoochee during his active career in Tallahassee.

Dr. Boyd is survived by his wife Ruth Harris Boyd who resides at 615 East 6th Avenue, Tallahassee. Also surviving are three daughters, Mrs. Edgar L. Krause, Mrs. John A. Henderson, and Mrs. George H. Winchester, all of Tallahassee.

ALVIN W. BRYAN  
1884 — 1968

Dr. Alvin Wesley Bryan, 84, died October 24, 1968.

Dr. Bryan was born April 4, 1884 at Marcus, Iowa. He received his diploma from the Rolfe High School in 1901 and in 1911 he received the D.D.S. from the State University of Iowa College of Dentistry. He was married to Gertrude Riggs on October 2, 1907.

For forty years Dr. Bryan served in the College of Dentistry of the State University of Iowa until his retirement in 1952. From 1912-1924 he served as Instructor and Assistant Professor. From 1924-1932 he was Professor and Head. From 1932-1952 he was Dean.

His affiliations include Iowa State Dental Society, past president; American Academy of Periodontology, past president; American College of Dentists, past president; American Association of Dental Schools, past president; Iowa Academy of Science, Emeritus Fellow; New York Academy of Dentistry, Fellow; American Association for the Advancement of Science, Fellow; American College of Dentists, Fellow; International Association for Dental Research; Sigma Xi; and Omicron Kappa Upsilon, honorary dental fraternity.

Dr. Bryan is the author of 30 published articles.

He is survived by his wife who lives at 1101 Crest St., Iowa City, Two daughters also survive—Marjorie Anne now Mrs. W. E. Reid of Lexington, Kentucky and Clarice Jeanette now Mrs. F. L. Tallman of Valley Station, Kentucky.

MARY ANNA ROSE CALLAN  
1903 — 1966

Sister was born at Walker, Iowa, November 1, 1903 and died June 18, 1966. She was the daughter of James P. and Anna M. (Derham) Callan. She was graduated from Immaculate Conception High School of Cedar Rapids. She received a B.A. degree from Clarke College, Dubuque and an M.A. degree from Loyola University, Chicago.

Sister entered the novitiate of the Sisters of Charity, B.V.M. at Mount Carmel, Dubuque, Iowa, September 8, 1928.

During her teaching career she taught at Immaculate High School and Mundelein College, Chicago; Clarke College, Dubuque; Bellarmine-Jefferson High School, Burbank, California; Holy Redeemer High School, Montrose, California; and at Heelan High School, Sioux City.

She taught in Mason City for eleven years, six at Holy Family High School and five at Newman High School where she taught chemistry and mathematics.

Sister was buried at Mount Carmel in Dubuque, Iowa.

RICHARD D. CAMPBELL

1929 — 1969

Richard D. Campbell, 39, professor of chemistry at the University of Iowa, was killed in an automobile accident on April 17, 1969.

Dr. Campbell was born September 25, 1929 at York, Nebraska. He was married in 1951.

He received the B.Sc degree in 1940 at State Teachers College, Wayne, Nebraska. From 1955 to 1957 he held the position of instructor at the University of Iowa. During 1957 to 1968, he became an assistant then associate professor, and in 1968 was named to a full professorship. Prior to coming to the University of Iowa, he held teaching posts at the University of Nebraska, where he received a Master of Science degree in 1953 and a doctorate in organic chemistry in 1956.

Professor Campbell was a member and chairman of the Coralville congregation of the Evangelical Free Church. He was involved with the work on the campus of the Inter-Varsity Christian Fellowship.

Professor Campbell was the author of 15 published scientific articles. He was elected to membership in Sigma Xi, Phi Lambda Upsilon, AAAS, Alpha Chi Sigma, and the Iowa Academy of Science. As a member of the American Chemical Society, he served as Chairman of the Iowa Section.

During 1961-62, he served as Board Chairman of the Clear Creek Community School District.

Professor Campbell is survived by his wife Ann; three sons, Richard 14, Timothy 12, and Robert 9; and two daughters, Rebecca 11, and Elizabeth 6. They reside at Oxford, Iowa (R.R. #3).

HARRY LEWIS FOUST

1886 — 1968

Dr. H. L. Foust, former head of Veterinary Anatomy (1927-1951) at Iowa State University, served the University from 1927 to 1952.

Dr. Foust was born and reared in Ohio on a farm where general farming practices were followed. He spent two years in Valparaiso University before earning his D.V.M. degree from Ohio State University in 1914. After graduation he spent two years in the United States Bureau of Animal Industry, about one year each being devoted to foot and mouth disease eradication and meat inspection. Before coming to Iowa State College, Dr. Foust spent some ten or eleven years in practice, study, teaching, and research at the North Dakota Agricultural College and experiment station. During this period, two summer sessions were spent in the Department of Human Anatomy at the University of Wisconsin, and five quarters at the University of Minnesota were spent in veterinary research and in human pathology.

While at Iowa State University Dr. Foust authored and co-authored several text books and dissection guides, as well as numerous scientific articles. He received distinguished service awards from both Iowa State University and Ohio State University. While on the Iowa State University staff and a resident of Ames he was a member of Phi Zeta; Omega Tau Sigma; Sigma Xi; Phi Kappa Phi; Iowa and American Veterinary Medical Associations; American Association of Anatomists; American Genetic Association; Society for Development and Growth; American Association for

the Advancement of Science; Iowa Academy of Science; and the Presbyterian Church.

Following his retirement from Iowa State University Dr. Foust worked under the auspices of Texas A & M University and the U.S. Government. He was sent to East Pakistan to oversee construction and equipment of the East Pakistan College of Veterinary Science and Animal Husbandry. He also worked throughout the State of Texas as a U.S.D.A. poultry inspector, remaining active until recent months.

Dr. Foust was a dedicated teacher and researcher. His students and staff colleagues will long remember Dr. Foust as an inspiring lecturer and dedicated scientist with high ideals and integrity who was willing to stand up for his own convictions. He remained active both physically and mentally throughout his retirement years.

Survivors include his wife, Mrs. H. L. Foust of Tyler, Texas; one daughter, Mrs. Shirley Foust Biondo of Tyler; one sister, Mrs. Lola Griffith of Cairo, Ohio; one grandson, Jimmy Biondo of Tyler; two nieces and one nephew.

#### MARTIN L. GRANT

1907 — 1968

Dr. Martin L. Grant, 61, of 402 N. Division St., professor of biology at the University of Northern Iowa, died June 28, 1968, at Sartori Memorial Hospital of Multiple Myeloma.

No memorial services were held at his request. His remains were willed to the University of Iowa Medical School.

Dr. Grant was born Jan. 31, 1907, in Chelsea, Mich., the son of Martin Lee and Margaret (Lawrence) Grant.

He came to UNI in 1936. He received a B.A. from Oberlin College in Ohio and M.A. and Ph.D. at University of Minnesota. He was a member of Phi Beta Kappa and Sigma Xi. He held a Yale fellowship in 1930.

He was a member of American Association for the Advancement of Science, Ecological Society of America, Botanical Society of America, Iowa Academy of Science, Iowa Ornithologists Union, Iowa Association of Science Teachers, National Education Association and American Society of Plant Taxonomists.

He was an instructor at the University of Minnesota from 1931 to 1936, a resident associate at the Bishop Museum in Honolulu, Hawaii in 1930 and 1934.

He worked with the Minnesota Forest Service in 1927 and 1928. He was on the U.S. Board of Economic Warfare in 1944 and 1945 serving as a biologist in Colombia, South America.

In 1963 to 1965 he was a Fulbright lecturer at Pahlavi University in Iran.

Survivors include his widow, Janet; two daughters: Mrs. Willis (Barbara Jean) Sibley of the Philippine Islands and Miss Lois Grant, doing graduate work in Yugoslavia; three brothers: Donald of Houstonia, Mo., Clifton of Mountain Side, N.J., and Robert of San Francisco, Calif., and a sister, Mrs. Charlotte Cauffman of Falls Church, Va.

#### ROBERT L. KING

1896 — 1968

Robert Leslie King, Emeritus Professor of Zoology, University of Iowa, died May 19, 1968 in Tempe, Arizona following a prolonged illness.

Professor King was born July 7, 1896 in Chester, Pennsylvania. His undergraduate education at the University of Pennsylvania was interrupted by service in the first world war, which included duty in the Medical Corps overseas. He received his A.B. from Pennsylvania in 1919 and the Ph.D. in 1922. In 1920 Professor King was married to May Rieger of Shomokin, Pennsylvania, who survives him together with their three children, Robert, Jr., Richard, and Mary Beth.

After eight years on the staff of the Department of Zoology at the University of Pennsylvania, Professor King was brought to the University of Iowa as Associate Professor of Zoology, became Professor of Zoology in 1939 and retired in 1964. He was a dedicated contributor to the program at the Iowa Lakeside Laboratory for 30 years, as teacher and as director from 1955 to his retirement.

Few of his colleagues could comprehend, much less match, Professor King's breadth of interest and understanding. This scope of competence is shown by the wide range of subject matter of the approximately seventy research publications bearing his name. These deal with fundamental aspects of cytology, with morphology and morphogenesis of protozoan organelles, with morphology and behavior of chromosomes, with genetics and taxonomy of grasshoppers, and with the taxonomy, social structure, colony persistence, and nesting behavior of ants.

At the University of Iowa, Professor King's earlier teaching was in protozoology and in genetics, but in 1937 he assumed charge of the teaching of general zoology, which he continued until his retirement. He will be remembered by thousands of former undergraduates as a teacher of rare competence matched by wit and uncompromising impatience with pretense.

It was at Lakeside Laboratory that Professor King came to life each summer and where he can never be considered gone. Here the prairie and marsh will hold his footprints; the oak and ant nest, his scrutiny and tender touch; the classrooms, his wordless humming and laughter.

This man—who was a tender husband and father to his family, a teacher and colleague of scholarly attainments, intellectual honesty, laconic wit, and kindness to the rest of us—will not be remembered in sadness but in joy. Each of us whom Robert L. King touched will cherish this joy and the hope that his wisdom has been contagious.

### EARL C. MCCrackEN

1897 — 1966

Earl C. McCracken, 68, a physicist, died June 24, 1966 after a long heart illness.

He was born in Mechanicsville, Iowa. In 1918, he received a bachelor of science degree in physics from Drake University. He taught high school physics and mathematics and was a farmer before becoming an associate professor of physics at Iowa State College. He received his master of science degree in physics from Iowa State in 1929 and his doctorate from the University of Minnesota in biophysics in 1934.

He worked for a year as a research fellow in the Mayo Clinic in Rochester, Minnesota.

Dr. McCracken was employed by the Clothing and Housing Research Division of the Agricultural Research Center, Beltsville, Md. from 1944 until his retirement in 1963.

Dr. McCracken wrote a book, "Selected Physics—Topics for Home Economics Students" and was the author of a number of articles in professional journals.

He was a member of the American Society of Refrigerating Engineers, American Institute of Electrical Engineers, American Home Economics Association, American Association for the Advancement of Science, Iowa Academy of Science (Emeritus Fellow), Sigma Xi, Phi Beta Kappa, Kappa Delta Pi, Pi Mu Epsilon, and Theta Nu Epsilon.

He leaves his wife, Bernice, of the home address, 6221-60th Place, Riverdale, Md.; two daughters, Mrs. Willima McCraith of Benton Harbor, Mich., and Mrs. Carlos Cooper of Bonner Springs, Kan.; and five grandchildren.

ROBERT D. MICHAEL  
1923 — 1967

Robert D. Michael, 43, Averill Park, N.Y. (formerly of Ft. Dodge and Ames) died March 27, 1967, of a heart attack while skiing in Vermont.

He graduated from the University of Iowa with a major in geology. He worked for the Iowa Commission before moving to Averill Park. At the time of his death he was employed by James R. Dunn and Associates, geologic consultants.

He was a member of the Iowa Academy of Science, the American Institute of Professional Scientists, Air National Guard, and the Air Force Reserves (Major).

He is survived by his widow Nancy, and their three children, Todd 17, Jon 15, and Matthew 6. They reside at 2124 Hughes, Ames, Iowa.

TULLIO MORDINI  
1933 — 1967

Tullio Mordini, 34, died of cancer on December 20, 1967.

Mr. Mordini was born in Madrid, Iowa. He was graduated from the University of Northern Iowa at Cedar Falls.

He taught science in the Des Moines Public School System at Washington Irving Junior High and Amos Hiatt Junior High.

Mr. Mordini was a member of the St. Mary of Nazareth Holy Name Society, Vittoria Lodge, Iowa State Education Association, Des Moines Education Association and the Iowa Academy of Science.

Surviving are his wife, Delores; two children, Connie and Greg. They reside at 4118 Lynner Drive, Des Moines. Also surviving are his parents Mr. and Mrs. Richard Mordini of Madrid, and a sister Mrs. Roy Stroud of Quinby.

ROY ANDREW NELSON  
1896 — 1968

The passing of Dr. Roy A. Nelson on September 18, 1968 saddened a multitude of his friends in the scientific, educational and business communities. Until a few days before his death, Dr. Nelson was an active citizen in the Mount Vernon community. As President of the Mount Vernon Bank and Trust Company, a position he had held since 1961, he daily greeted and visited with many friends as they passed his desk in the bank lobby. His interest in experimental science led him, during the last months of his life, into investigations of desalting of water which he conducted in his basement laboratory. Unfortunately, he did not live to see the completion of the renovation of the Mount Vernon Methodist Church, a task to which he had devoted considerable time and energy as a member of the Building Committee. He was an active member of the Mount Vernon Chamber of Commerce and the Lions Club. Dr. Nelson served the town of Mount Vernon as a member of the City Council for six years and as Mayor for eight years. He was an Emeritus Fellow of the Iowa Academy of Science and had served the Academy, at various times, on both the Financial and executive Committees and as President in 1941-42.

Dr. Nelson married Florence Chamberlain of Wilton Junction, Iowa on August 20, 1919. He is survived by a son Richard of New York City and a daughter Audrey, Mrs. Charles Adrian of Riverside, California. A son, Harlan, was lost in service during World War II and Mrs. Nelson passed away in 1963. The Nelsons' beautiful and stately home on the edge of the Cornell Campus was known to hundreds of Cornellians who, over a period of nearly forty years, enjoyed the gracious and charming hospitality of the Nelsons.

Roy Andrew Nelson was born on February 15, 1896 at Joy, Illinois. He received his B.S. degree from Knox College in 1916. His graduate

work in physics was done at the University of Illinois where he received his M.S. degree in 1920 and his Ph.D. degree in 1923. He remained at the University of Illinois for two years as an Instructor in Physics. He came to Cornell College in 1925 as Professor of Physics and Head of the Department, posts he held until 1944 when he was appointed Financial Secretary and Business Manager of the College. In 1955 he resigned those positions and resumed the duties of Professor of Physics and Head of the Department. Dr. Nelson retired from teaching and was named Professor Emeritus by Cornell College in 1961.

Dr. Nelson was unable to attend the 50th reunion of his class at Knox College on June 4, 1966 because Cornell College and the town of Mount Vernon had jointly designated that day as "Roy A. Nelson Day" in recognition of his many years of service to the town and college. On that occasion he was named an Honorary Member of the Cornell Alumni Association, several of his former students participated in a seminar in his honor on "Science and Society," and he was presented a bound volume of letters from former students. The many writers of these letters paid tribute to his skill, patience and dedication as a teacher and scientist. The great respect which his students had for him and the gratitude they felt for his contributions to their lives are best expressed by a university professor of mathematics who said,

Dr. Nelson represented the finest in student-faculty relationships. His gentle and human approach to teaching is as modern today as it was back in the early thirties. Whatever small contribution I have made is due in large part to Dr. Nelson. To pass on to my students some of the joy of learning and discovery has been my goal. I like to remind them that we all have been helped; we cannot make it alone."

RICHARD G. NUCKOLLS

1914 — 1968

Richard Greenough Nuckolls was born in Grinnell, Iowa. His father was a jeweler and an optometrist and his mother was a school teacher and college instructor. He graduated from Oberlin College in 1935 with a major in physics. He earned a Master of Science degree from Washington University in 1937 and a Doctor of Philosophy degree from the University of Minnesota in 1947. He served as a scientist at Los Alamos (1943-44), physicist at the Naval Research Laboratories (1944-46), as well as at the National Bureau of Standards (1949-53) and as principal physicist at the Cornell Aeronautical Laboratories (1954-58). He was a faculty member at the Illinois Institute of Technology (1946-49), Kansas State College (1958-63) and State University of New York at Cortland (1963-65). At the latter two institutions he was chairman of the department as well as professor of physics.

Dr. Nuckolls came to Parsons in 1965 as professor of physics and at the time of his death was serving as department chairman. He has been accorded numerous honors including membership in Sigma Xi and Sigma Pi Sigma and listings in American Men of Science, Who's Who in the East, and Who's Who in Colleges & Universities. He was a member of numerous academic and professional organizations including American Physical Society, Acoustical Society of America, American Association of Physics Teachers, Institute for Electronic & Electrical Engineers, Iowa Academy of Science, Kansas Academy of Science, New York Academy of Science, Philosophical Society of Washington and the American Association of University Professors. He published numerous papers on diverse topics including nuclear instrumentation & research and microwave spectroscopy.

Those of us who got to know Dick Nuckolls well will remember him as a person who was always steadfast in purpose and liberal in outlook and who took a firm stand on many issues. Besides his strong interest in matters academic, he participated actively in the Unitarian movement. His

predilection for flying and piloting his own airplane was a constant source of pleasure and relaxation for him. Personally he was a warm individual who was concerned about his fellow man. The scientific world, the academic world, and Parsons College will all miss Dr. Nuckolls.

FRANCIS E. RAY

1898 — 1966

Francis E. Ray, Ph.D., a noted cancer researcher and professor of pharmaceutical chemistry in the College of Pharmacy, University of Florida (Gainesville), died in Hong Kong November 25, 1966 at the age of 68. The cause of death was thought to be ventricular fibrillation.

Dr. Ray had attended a meeting of the International Cancer Congress in Tokyo and was returning home with his wife, Esther, by way of Hong Kong.

Dr. Ray, a member of the University faculty since 1949 and director of its Cancer Research Laboratory until the establishment of the J. Hillis Miller Health Center, devoted much of his academic life to the study of carcinogens—chemicals that can produce cancer—and was a pioneer in the use of radioisotopes in biological research. He was the first to use radioactive iodine in cancer research.

At the time of his death, Dr. Ray was working on radioactive fluorene compounds—chemical carcinogens—in an effort to diagnose cancer.

Dr. Ray was discoverer in 1937 of the equilibrium of the chemical sulfonium and the role it played in solutions. At that time very little was known about sulfonium, and the contribution was important in pharmaceutical chemistry.

Dr. Ray was considered an authority on the cancer producing substances which were at one time used as food additives. In 1958 he appeared before a Committee of the U.S. House of Representatives on the subject. The hearings produced legislation to regulate the use of potentially hazardous substances.

He was a member of numerous learned scientific and cancer research societies, and authored many books and some 100 articles on experimental, organic and general chemistry in national and international journals.

Dr. Ray received a master of science degree from the University of Illinois in 1926 and the doctor of science degree from Oxford University in 1931.

He served as principal of the Cropsey, Ill., High School from 1921-25, and was a member of the faculty of the University of Illinois (1925-27), Grinnell College (1927-30), and the University of Cincinnati (1930-49).

He was a member of the American Chemical Society; a former fellow in the Ohio Academy of Science; and a former member of the Administrative Board of the Ohio Journal of Science; an emeritus fellow of the Iowa Academy of Science; the Florida Academy of Science; Sigma Xi; the American Association for Cancer Research; the Society for Experimental Biology and Medicine; and consultant for the Oak Ridge Institute of Nuclear Studies, Medical Division.

Mrs. Ray, his widow, resides at 2525 N.W. 2nd Avenue, Gainesville, Florida 32601.

VIOLA SMITH

1908 — 1969

Miss Viola Smith, supervisor of mathematics for the Waterloo Community School District, and chairman of the West High School mathematics department, died suddenly of a heart attack on February 10, 1969.

Miss Smith was born at Lost Nation, Iowa on April 24, 1908, to William and Cora Mary McMillin Smith. She graduated from Cornell College in 1929 and took additional instruction at Knox College in Galesburg, Illinois, before receiving a Master's Degree from the University of Iowa. She also studied at Indiana University in Bloomington, Indiana.

She began her teaching career in Renwick, Iowa where she taught for three years and then taught in Arcadia, Iowa for one year. She also taught in Osage, Iowa for eight years before coming to West High School, Waterloo, in 1943. She taught in West High's mathematics department where, with the exception of two years, 1949-1951, at Maquoketa, Iowa, she taught until her death.

Miss Smith was a member of Iota Chapter of Delta Kappa Gamma, national education honor society; Iowa Academy of Science; both the Iowa and National Councils of Teachers of Mathematics; St. Timothy's Methodist Church, its Pioneer Sunday School Class and president of the Wesleyan Service Guild of the Church.

Mr. Burshtan, principal of West High school, called Miss Smith "a very dedicated, unselfish and hard-working mathematics teacher and supervisor," in an announcement to the student body during homeroom on Tuesday, February 11. "Not only was Miss Smith a great teacher, she was also a sincere friend of everyone that knew her," said Mr. Burshtan.

Former principal of West High and long time associate of Miss Smith, Mr. Gibson said, "Miss Smith was one of our finest teachers. She was dedicated to her profession and was one of the hardest-working members of our staff. She believed in perfection and instilled that philosophy in her students. West High will miss Miss Smith greatly."

Miss Smith was preceded in death by her parents and is survived by a brother, Robert W. Smith, of Dearborn, Michigan.

KARL A. STILES  
1895 — 1968

Dr. Karl A. Stiles died May 16, 1968.

Dr. Stiles received the A.B. degree from Battle Creek College in 1927. In 1931, he received the M.S. degree from the University of Michigan and the Ph.D. from the same school in 1935.

Dr. Stiles spent much of his life as a biology teacher. In 1927 he was a teacher at the Central Senior High School, Kalamazoo, Michigan. He served as an instructor at Battle Creek College, 1928-30 and at the University of Michigan 1931-34. During 1934-38 he was Head of the Biology Department at Coe College, Cedar Rapids and then served from 1938-45 as chairman of the Division of Natural Sciences at Coe. From 1945-1961 he taught at Michigan State College and served as Head of the Department of Zoology from 1953-1961.

In 1966, he was given the honorary degree of Doctor of Science by Ferris State College, Big Rapids, Michigan.

Dr. Stiles was a member of numerous organizations including Who's Who in America, Sigma Xi, American Men of Science, Phi Kappa Phi, Kappa Delta Pi, and the International Union of Biological Sciences. He was a fellow of the American Association for the Advancement of Science. He was also an emeritus fellow of the Iowa Academy of Science and served as the Chairman of the Zoology Section in 1937.

Dr. Stiles was the author or co-author of over forty scientific papers as well as over twenty books and laboratory manuals.

His widow lives at 4747 Woodcraft, Okemos, Michigan.

C. P. WILSIE  
1902 — 1969

Dr. C. P. Wilsie, 66, professor of agronomy at Iowa State University, died at his home on January 14, 1969.

Born at Brandon, Wis., on Oct. 13, 1902, he received his bachelor of science degree from the University of Wisconsin in 1926 and the Ph.D. in agronomy and chemistry from Michigan State University in 1931.

He was a graduate assistant at the University of Illinois in 1926-27, an instructor and research assistant at the University of Wisconsin in 1928-29, and a research fellow at Michigan State University in 1929-31.

He went to the University of Hawaii in 1931 as an agronomist for the Hawaii Agricultural Experiment Station and assistant professor of genetics and agronomy. He came to Iowa State University in 1937 as an associate professor and was promoted to rank of professor in 1947.

In 1962, Dr. Wilsie was honored by Northrup-King Co. of Minneapolis for outstanding research in forage crops genetics and breeding of great value to the seed industry. He was the author of more than 50 publications on various aspects of forage research and his book, "Crop Adaptation and Distribution," was used as a text in many universities.

He was a member of the American Genetics Association, American Institute of Biological Sciences, Genetics Society of America, Alpha Zeta, Phi Sigma, Sigma Xi, Gamma Sigma Delta and Phi Kappa Phi. He was a Fellow of the American Society of Agronomy, the American Association for the Advancement of Science, and the Iowa Academy of Science.

Dr. Wilsie was a member of the National Foundation Seed Project Planning Committee and had served as chairman of the North Central Regional Technical Committee, National Alfalfa Improvement Conference, Forage Crops Technical Committee and Central Alfalfa Conference.

Surviving is one daughter, Mrs. Richard B. Campbell of San Francisco, Calif.