Howard L. Hunter

Howard Louis Hunter was a colorful and highly respected figure, both on the Clemson University campus and nationally. Affectionately known as “Footsie” to students during the University’s military years, Hunter is fondly remembered as a brilliant chemist, an able and outspoken administrator, a dedicated citizen and a humane father, husband and mentor.

Born in Fulton, New York, Hunter attended public schools in Fulton. He received his Bachelor of Chemistry from Cornell University, where he had ambitions of becoming a medical doctor. Family finances precluded medical school, however, and young Hunter accepted an assistantship for graduate study at Cornell. He earned his Ph.D. from Cornell in 1928 and later did post-graduate work at the Massachusetts Institute of Technology.

Hunter joined the Clemson University faculty in 1928 as assistant professor of chemistry. From 1931-32 he served as acting head and professor of textile chemistry and dyeing. In 1947 he was named dean of the School of Chemistry and Geology. When the departments of chemistry and geology were brought under the College of Arts and Sciences in 1955, Hunter was appointed dean of that college, a position he held until his retirement in 1969.

A “Renaissance Man” with an abiding love of music and literature, Hunter reflected a well-rounded philosophy of education. As dean of the College of Arts and Sciences, he was sympathetic toward the humanities, supporting the movement to establish the Bachelor of Arts and Master of Arts degree programs at Clemson. Hunter also was influential in strengthening Clemson’s commitment to scientific research. Graduate programs in the sciences at both the masters and doctoral levels were begun and expanded during his years as administrator.

As a patron of the arts, Hunter did much to promote cultural activities at Clemson. A pianist who admired the works of Frederick Chopin, Hunter endowed the Eaton-Freeman Award for an outstanding student pianist. Soon after his death in 1975, his wife established the Hunter Award, given annually to a student pianist who accompanies University choral organizations.

Colleagues and students recall Hunter as an accomplished educator. Local high school science teachers remember his willingness to offer help and advice. All who knew Howard Louis Hunter have memories of his kindness, his fairness, his sense of humor and his dedication to scholarship.
Dedication Ceremony and Symposium

CEREMONY
1:30 p.m.
Welcome ........................................... Dr. W. David Maxwell
Provost and Vice President
for Academic Affairs

Reminiscences of Dr. Howard L. Hunter .......... Dr. Henry E. Vogel
Dean, College of Sciences

Remarks ............................................. Dr. Max Lennon
President

Presentation of Building .......................... Louis P. Batson
Chairman, Board of Trustees

Acceptance and Dedication ...................... President Lennon

Acknowledgment ................................. Dr. Darryl D. DesMartheau
Head, Department of Chemistry

SYMPOSIUM
2:25 - 5:30 p.m.

Introduction .................................... Dr. DesMartheau
2:25 p.m.

Today's Challenges .............................. Dr. Alexander MacLachlan
2:30 p.m.
Senior Vice President, Technology
Du Pont Company

The Invention of Chemical Reactions .......... Sir D.H.R. Barton
3:30 p.m.
Distinguished Professor of Chemistry
Texas A&M University

Frontiers in Inorganic Chemistry ............ Dr. Fred Basolo
4:30 p.m.
Morrison Professor of Chemistry
Northwestern University
Dedication Symposium Speakers

Dr. Alexander MacLachlan, senior vice president, technology, with the Du Pont Company, holds a Bachelor of Science degree in chemistry from Tufts College and a Ph.D. in physical organic chemistry from the Massachusetts Institute of Technology. He joined Du Pont in 1957 as a research physicist in the engineering department and was named research manager, Photo Products Department in 1969. He became director of research and development, Photo Products-Europe in 1974, director of marketing, Print Sales Division, Photo Products Department in 1976, and director of "Naflon" Products, Plastic Products Division in 1978. MacLachlan was named director of Research and Development Division, Chemicals and Pigments Department in 1980 and director of the Central Research Department in 1983. He has held his present position since 1986.

Dr. MacLachlan will address "Today's Challenges to Chemistry, The Central Science." Chemistry's basic role in providing an understanding of our world is reflected in the almost universal inclusion of chemistry courses in the curricula of all technical fields. In today's and tomorrow's technical revolutions, chemistry can and must play a key role. Sometimes, however, chemists take too provincial a view and thus fail to play their full role. Being a "central science" implies an obligation to reach out to all the surrounding disciplines—engineering fields, biology, geology, physics, pharmacy and others. Examples from the chemical industry will illustrate why organizations and individuals with chemical backgrounds can contribute significantly to a better life for mankind. New pharmaceuticals, diagnostics and agrichemicals from biochemistry, new electronics using novel electrooptic devices, advanced materials for cars, planes and buildings, all are emerging from research laboratories in which chemists and chemistry are integral components.
Dr. Fred Basolo, Morrison Professor of Chemistry at Northwestern University, holds a B.Ed. from Southern Illinois Normal University and an M.S. and Ph.D. from the University of Illinois. He was a research chemist for Rohm and Haas Chemical Co. before joining the faculty at Northwestern University in 1946. He served as chairman of the Chemistry Department from 1969 until 1972 and was named Morrison Professor in 1980. He has received numerous awards, including the American Chemical Society Award for Research in Inorganic Chemistry in 1964, the ACS Award for Distinguished Service in Inorganic Chemistry in 1975, the Bailer Medal in 1972, and the James Flack Award for Outstanding Achievement in the Teaching of Chemistry in 1981. A member of the National Academy of Sciences, Basolo served as president of ACS in 1983 and is a fellow of the American Academy of Arts and Sciences. He has held many distinguished lectureships, appointments to editorial boards, and elected and appointed offices in the American Association for the Advancement of Science and the National Research Council of the National Academy of Science.

Dr. Basolo will explore "Frontiers in Inorganic Chemistry." His opening remarks will be on publications worldwide in chemistry and on trends in the number of students doing graduate work in chemistry, followed by an overview of some of the current "hot" areas of research in inorganic chemistry. These areas include 1) biochemical chemistry, 2) organometallic chemistry, 3) solid state inorganic chemistry, 4) inorganic photochemistry and 5) main group element chemistry.
Chemistry Facilities and Program

The Department of Chemistry traditionally has been among Clemson University's strongest academic departments. Chemistry has been taught at Clemson since its founding. In fact, the University's founder, Thomas Green Clemson, was himself an eminent chemist who believed that only through formal scientific education could prosperity be secured.

Clemson University's modern chemistry program is housed in Howard L. Hunter Chemistry Laboratory, a triangular complex which will ultimately consist of three structures: (1) the main laboratory building, (2) a triangularly shaped auditorium and (3) a research wing to be built later to accommodate program growth.

The first floor of the 100,000-square-foot main laboratory building houses freshman laboratories, a Chemistry Resource Center, one of three seminar rooms and a computer center. Teaching and research laboratories devoted to analytical, inorganic, organic and physical chemistry occupy the building's second and third floors. Research laboratories dominate the fourth floor.

The 230-seat lecture/demonstration auditorium stands separate but adjacent to the main building and provides the College of Sciences and the University with an auditorium facility in a size range not otherwise available on campus.

The Howard L. Hunter Chemistry Laboratory stands as a model of what can be achieved through a careful blending of public and private commitments—a modern facility providing a solid base for instruction in and advancement of science.
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