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wisconsin engineer



Kurt F. Wendt Recognition Day — May 7, 1971

PREVIOUS RECIPIENTS OF DISTINGUISHED SERVICE CITATIONS

June 4, 1948

Fred L. Dornbrook*
M. K. Drewry
George G. Post*
Gould W. Van Derzee

March 15, 1949

Joseph Albert Cutler
Albert J. Goedjen*
William J. Grede
Leroy Francis Harza*
Eugene C. Herthel
Harvey V. Higley
Louis Richard Howson
Harry Karl Ihrig*
William R. Kellett
Ernst A. Longenecker
Edwin F. Nelson
J.F. Roberts
Leon A. Smith*
Halsten J. Thorkelson*
H.L. Woolhiser*

June 3, 1950

Harold H. Brown*
Hans P. Dahlstrand*
Frank G. Hobart*
Earl E. Hunner*
L. J. Markwardt
Duncan J. Stewart*
Donald W. Tyrrell

May 4, 1951

Clarence H. Lorig
Grover C. Neff*
Edwin W. Seeger*
Oliver W. Storey*
Reuben N. Trane*

May 2, 1952

Orrin E. Andrus
William E. Crawford*
Robert C. Johnson*
Walter A. Olen
Benjamin S. Reynolds*
George P. Steinmetz
Glenn B. Warren
Julius F. Wolff, Sr.

April 10, 1953

Allen Abrams
Julian D. Conover
Armin Elmendorf
Arthur C. Nielsen
Lester C. Rogers
William E. Schubert*

May 7, 1954

Adolph J. Ackerman
Arne J. A. Asplund
Mack C. Lake*
David W. McLenegan*
Robert C. Siegel
John Slezak

May 6, 1955

Gordon Fox*
Henry J. Hunt*
Ralph J. Kraut
Irving L. Wade
Kenneth M. Watson

May 4, 1956

J. G. Baker
Arthur Wardell Consoer
Melvin J. Evans*
Charles A. Halbert*
T. D. Jones
Keith S. McHugh

May 3, 1957

Allen McKinnon Slichter
Donald C. Slichter
Louis Byrne Slichter
Sumner H. Slichter*

May 2, 1958

Howard Hathaway Aiken
Harry C. Brockel
George Hopkins Johnson
William Beverly Murphy
Arthur F. Peterson

May 1, 1959

Erwin C. Brenner
Theron A. Brown*
Ralph E. Davis*
Walther C. Fischer
Hugh L. Rusch
Martin W. Torkelson*
Charles S. Whitney*

May 6, 1960

Robert C. Allen
Alexander Graham Christie*
Ronald E. Copeland
Clifford C. Gladson
William A. Klinger
Lynn H. Matthias

May 5, 1961

John J. Chyle*
William T. Ennor
Oswald J. Muegge*
Merrill A. Scheil
Frederick M. Young

May 4, 1962

George H. Brown
William K. Fitch
Herman F. Hoerig
Leonard J. Linde
Lloyd J. Severson*
Aubrey J. Wagner

May 3, 1963

Pierce G. Ellis
Anthony J. Nerad
B. Richard Teare, Jr.

May 1, 1964

William C. Ackermann
Harold Goldberg
Eugene L. Grant
Patrick E. Haggerty
Charles Arthur Rowe*
Lucius D. Watkins

May 7, 1965

Edward G. Christianson
C. Moreau Jansky
Donald C. Minard
Thomas McMaster Niles

May 6, 1966

Bertil T. Andren
Edward J. Brenner
Fernando Garcia-Roel
J. Don Howard
Lewis Hanford Kessler
Robert H. Ramsey
Emmons L. Roettiger

May 5, 1967

Louis E. Dequine, Jr.
Frank P. Hyer
Fred A. Loebel
Ralph A. Millermaster
Robert H. Paddock
Harold W. Ruf

May 3, 1968

Alfred Gruhl
Valerius E. Herzfeld
Ralph H. Isbrandt
Clement P. Lindner
Wesley Grindell Martin
Edward J. Wellauer

May 2, 1969

William V. Arvold, Jr.
Conrad H. Hoeppeppner
Einar A. Jacobsen
Daniel E. Krause
Luna B. Leopold
Frederick D. Mackie
James F. Mathis
Allan L. McKay

May 1, 1970

John K. Babbitt
Raymond L. Dickeman
Phil M. Ferguson
Herbert A. Goetsch
Robert Royce Johnson
Arnold F. Meyer
George B. Miller
George Thodos

*Deceased

PRESENTED TO

KURT FRANK WENDT

ENGINEERING DEAN, EDUCATOR, CIVIC LEADER AND WISE COUNSELOR
WHO HAS GIVEN, GENEROUSLY AND CONTINUOUSLY:

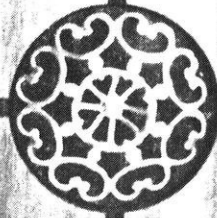
TO HIS STUDENTS AND FACULTY, UNDERSTANDING, PURPOSE,
ENCOURAGEMENT AND DIRECTION WITH FIRMNESS OF DECISION;
TO HIS PROFESSION, VISION AND EXEMPLARY STANDARDS
OF ETHICS AND INTEGRITY;

TO HIS UNIVERSITY, DEVOTION, SAGE COUNSEL AND
INSIGHTS TO THE SOLUTIONS OF ITS PROBLEMS;
TO HIS STATE AND COUNTRY, DEDICATED SERVICE
WITHOUT RESERVATION.

WITH OUR DEEPEST APPRECIATION

THE FACULTY
COLLEGE OF ENGINEERING
THE UNIVERSITY OF WISCONSIN

MAY 7, 1971



Dedication — October, 1953

To Dean Kurt F. Wendt, commencing his first semester as Dean of the College of Engineering, we offer our sincere welcome.

Although new in his capacity as dean, Kurt Wendt has long ago distinguished himself, nationally and locally, as an educator and a leader in many fields. After graduating from the University of Wisconsin with membership in Tau Beta Pi, Chi Epsilon, and Sigma Xi honorary fraternities, he joined the U.W. faculty in 1927. Since then, his accomplishments have included presidencies and committee chairmanships in the American Society for Engineering Education, the National Research

Council, and the Wisconsin Society of Professional Engineers; committee work for the American Standards Association, the American Society for Testing Materials, and the Society for Experimental Stress Analysis. He is now the director of the Engineering Experiment Station; and he is the University of Wisconsin's Big Ten Faculty Representative. Last summer he spent thirty days in India studying technical colleges and universities for the United States Government.

To Dean Wendt, with wishes of continued success, we dedicate this magazine.

THE WISCONSIN ENGINEER STAFF

Re-Dedication — May 7, 1971

Again, for an unprecedented second time in its 75 years of publication, the *Wisconsin Engineer* is being dedicated to one man: **Kurt F. Wendt**.

This entire issue is offered as a small token of gratitude to Dean Wendt for his commitment to education and his contribution to mankind. We wish to express a special thank you for his service: to the *Wisconsin Engineer* as advisor for twelve years, to the Polygon Board as advisor for twenty-

five years, to engineering students and faculty as a staff member for forty-four years, and to the University as Dean of the College of Engineering for eighteen years.

To Dean Wendt, with wishes for continued success and happiness, we again dedicate this magazine.

THE WISCONSIN ENGINEER STAFF

Recognition for Dean Wendt

There is a direct relationship between the caliber of a university and the quality of its faculty. The University of Wisconsin is in the forefront of American institutions of higher learning because of the eminence of its faculty.

Wisconsin has had its share of great teachers. They range across the years and the broad field of scholarship—a large number of biochemists, of historians, of labor economists, a Milton scholar, an art historian, geographers, physicists, an expert on Marcel Proust, to name but a handful.

Any modern day student or faculty colleague asked to name a single person who epitomizes the high ranking of the U.W. engineering school would reply without hesitation, Kurt F. Wendt.

Wendt, 65, is retiring this June as dean of the College of Engineering.

* * * * *

Dean Wendt has won honors enough for any man in his 44 years of service to education and

research and his native state.

He has served on the National Research Council and as president of the American Society of Engineering Educators to name a few of his wide-ranging activities.

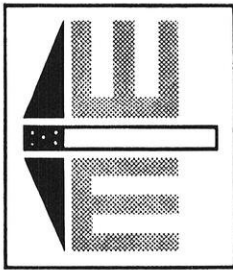
But there is another Wendt. A Wendt who served for more than a decade as a consultant to the U.W. Board of Regents as a campus planner, as a chairman of the athletic board and as Wisconsin's faculty representative on the Big 10 conference, and president of the University Club.

He was concerned about the city and the university's impact on its growth, and he carried that concern to the City-University Coordinating Committee where he served for several years.

The 23rd annual Engineers Day will be designated Kurt F. Wendt Day, May 7. It is a richly deserved tribute to a great person.

*(Editorial appearing in "The Capital Times"
Wednesday, April 14, 1971)*

WISCONSIN ENGINEER



Dean Kurt F. Wendt: "Just as there are machines that build machines, so there are Engineers that build Engineers" – (Engineers & Scientists of Milwaukee 1963)

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wisconsin engineer

The Wisconsin Engineer would like to take this opportunity to thank those people instrumental in the preparation of this special issue and in the planning of the Engineers Day Dinner, May 7, 1971.

- | | |
|----------------|----------------|
| R. J. Altpeter | L. F. Rader |
| M. W. Carbon | C. A. Ranous |
| L. D. Clark | R. A. Ratner |
| J. A. Duffie | H. J. Schwebke |
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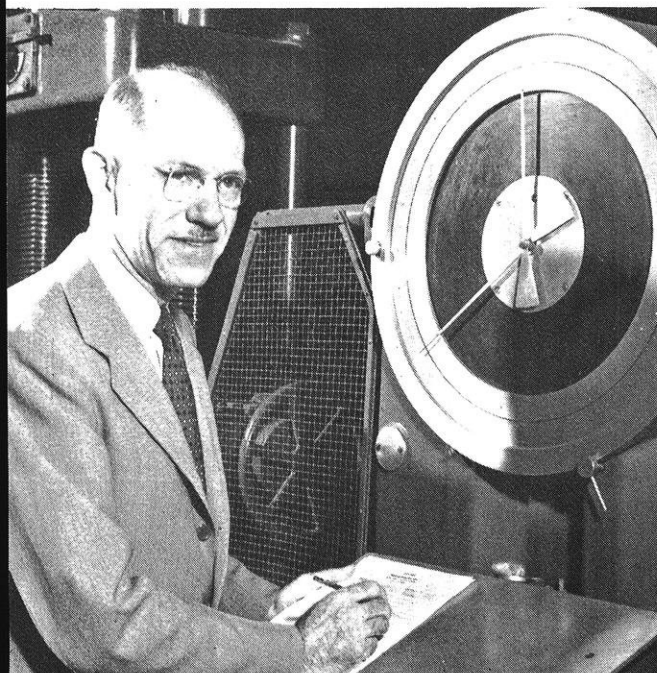
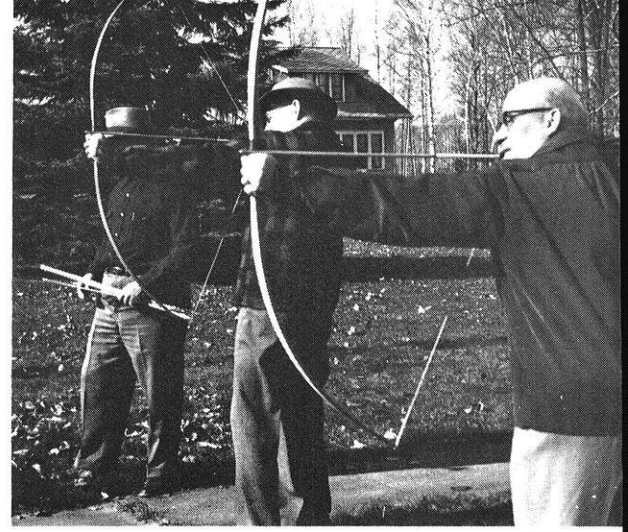
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And, of course, behind every great man, there is a great woman: Mrs. Adelaide Wendt.

THANK YOU!



1936 Interview

The adjacent article was submitted to Tau Beta Pi to fulfill the paper requirement for initiation. The author, Mr. J. R. Hafstrom, interviewed then Assistant Professor Wendt and wrote the article December 15, 1936. The pictures on the facing page are about 1936 vintage.

Wendt, Kurt F – (1906 –) Assistant Professor Kurt F. Wendt of the College of Engineering, University of Wisconsin has great possibilities of breaking into “Who’s in Engineering” in a few years if he keeps up his present rate of activity. In less than a decade Professor Wendt has taken part in the writing of more engineering articles and investigative reports than many men who have been out of university twice or three times as long as he.

In his high school years Mr. Wendt felt that chemistry was the field he wanted to enter but in his senior year he became very interested in engineering as a profession. At this time he had no idea that he would instruct mechanics after he finished his course. It was not until four years later that teaching was decided upon for his work.

Professor Wendt attended the University of Wisconsin until 1927 when he received his degree. Since then he has been employed by the University as an instructor. Besides Tau Beta Pi, Prof. Wendt was initiated into Chi Epsilon, honorary civil engineering fraternity and Sigma Xi while attending the University as a student.

As an author, Professor Wendt has been connected with the writing of several of the University of Wisconsin, College of Engineering, Experimental Station, bulletins. He was co-author with Professor Withey of several of the bulletins. Some of the most outstanding engineering projects he was connected with include his work for the special committee on research on steel columns of the American Society of Civil Engineers.

At the present time and for the past few years Professor Wendt has been very active as a faculty representative of of Polygon. His work with the Polygon is included in the following board, elected by the students, and secondly he is on the Board of Directors of the Wisconsin Engineer. Professor Wendt considers this work as his most important hobby and enjoys the work.

During his years as a student, Professor Wendt enjoyed track work and skating but at the present time he finds much pleasure in indoor sports such as contract bridge and other such activities of like nature. He has three sons which include a pair of twins which see that his spare time is taken care of while they are around.

At the University of Wisconsin, Professor Wendt is in charge of the Materials Testing Laboratory. In 1935 he was given his present title of Assistant Professor.

A FAREWELL WORD

This June after 44 years on staff and with the last 18 as Dean, I shall retire. It seems a short time because teaching, research, and administration in a university are constantly changing, developing, and challenging. Most of all, however, is the satisfaction derived from working with students, watching them develop, and assume positions of leadership in our profession. I am deeply grateful for the opportunity that has been mine to participate for so long in student affairs.

It was my good fortune to serve as the elected faculty representative to Polygon for 25 years and on the Board of Directors of the WISCONSIN ENGINEER for 12 years before becoming Dean of the College. These contacts provided opportunity for a close involvement with student affairs and with the promotion of harmonious student-faculty relationships. The latter have been and continue to be excellent.

In recent years when we have been hearing so much about the generation gap, about the need for student power, and about the lack of contact between students and senior faculty, I point with great pride to our engineering student body and to our faculty-student rapport. Never have I personally felt a generation gap. On the contrary, communications and interaction between students, faculty, and administration have continued to be free and easy through a variety of formal and informal channels. Through our professional societies, the Polygon Council, our social and honorary engineering fraternities, THE WISCONSIN ENGINEER staff, and departmental and college committees on which students are serving in ever larger numbers, we have established working relationships between faculty and students that have resulted in remarkable unity and understanding. Because it is exercised constructively and with restraint, we have more "student power" in engineering than is even envisioned by those elsewhere in the University who cry most loudly for power. Problems — and there are and will always be problems—are discussed and are solved through cooperation. Our engineering students deserve much of the credit for these accomplishments.

It is my hope that our graduates, as they enter the practicing profession, will remember the lessons we have learned in working together, since the same principles also apply to the solution of complex societal and engineering problems. In addition to technical knowledge, good communications and understanding are requisites — only then can the cooperation essential to the successful solution of problems be achieved.

Kurt F. Wendt
Dean



ENGINEERS DAY – MAY 7, 1971

MENU

fruit cup

green salad with dressing

prime rib of beef

twice baked potato

buttered carrots

roll and butter

cherry pie

beverage



The Kurt F. Wendt Recognition Day Program

Presiding – H. Edwin Young
Chancellor, Madison Campus of the University

INVOCATION
Reverend Robert J. Trobaugh

DINNER

UNIVERSITY SINGERS
Professor Karlos Moser, Director

GREETINGS FROM GOVERNOR LUCEY

PRESENTATIONS TO DEAN AND MRS. WENDT

Roger J. Altpeter
Chairman, Planning Committee

Dana Yarger
Editor, The Wisconsin Engineer

Alexander McConnell
President, WSPE

Stephen Van Vleet
President, Polygon Board

Mrs. Merton R. Barry
President, Pentagon

Clyde A. Sanders
President, AFS

GREETINGS FROM THE BOARD OF REGENTS
and
PRESENTATION OF BENJAMIN SMITH REYNOLDS AWARD
Bernard C. Ziegler
President of the Board

PRO BONO PUBLICO (with illustration)
Mark H. Ingraham
Dean Emeritus, College of Letters and Science

PRESENTATION OF DISTINGUISHED SERVICE CITATION
John C. Weaver
President of the University

W. Robert Marshall, Jr.
Associate Dean

ENGINEERS DAY, MAY 7, 1971

SPONSORED BY THE FACULTY OF THE COLLEGE OF ENGINEERING

THE BENJAMIN SMITH REYNOLDS AWARD

Benjamin S. Reynolds, manufacturer, Wisconsin born and Wisconsin educated, with Charles F. Burgess incorporated the Burgess Battery Company in 1917, and devoted the rest of his life in various executive capacities to that company, to its later affiliates, and to the Research Products Corporation. From 1948 until his death, Mr. Reynolds was a member of the Board of Visitors of the University. He was given a distinguished service citation by the College of Engineering in 1952.

As a fitting memorial to Mr. Reynolds, and as a symbol of his belief in the power of new ideas in the development of our industrial life, friends and associates proposed a plan to stimulate the priceless giving of knowledge to young people who are finding their way along the same path to learning that he followed.

The memorial takes the form of a presentation, annually, of an especially coined medal bearing Mr. Reynolds' likeness, and an award of \$1,000 to The University of Wisconsin faculty member who contributes most to the instruction of engineering students. The memorial's basic purpose is thus the honoring of good teaching of engineers at The University of Wisconsin. A trust fund has been established to insure the perpetuation of the award.

PREVIOUS RECIPIENTS OF THE REYNOLDS AWARD

1955	<i>Olaf A. Hougen</i> , Professor of Chemical Engineering
1956	<i>Raymond J. Roark</i> , Professor of Mechanics (Deceased)
1957	<i>Harold A. Peterson</i> , Professor of Electrical Engineering
1958	<i>Jacob Korevaar</i> , Professor of Mathematics
1959	<i>Roland A. Ragatz</i> , Professor of Chemical Engineering
1960	<i>Vincent C. Rideout</i> , Professor of Electrical Engineering
1961	<i>C. Harvey Sorum</i> , Professor of Chemistry
1962	<i>Gerard A. Rohlich</i> , Professor of Civil Engineering
1963	<i>Thomas J. Higgins</i> , Professor of Electrical Engineering
1964	<i>Phillip S. Myers</i> , Professor of Mechanical Engineering
1965	<i>Arno T. Lenz</i> , Professor of Civil Engineering
1966	<i>Eldon C. Wagner</i> , Professor of Civil Engineering
1967	<i>Otto A. Uyehara</i> , Professor of Mechanical Engineering
1968	<i>Roger J. Altpeter</i> , Professor of Chemical Engineering
1969	<i>R. Ralph Benedict</i> , Professor of Electrical Engineering
1970	<i>Mohamed M. El-Wakil</i> , Professor of Mechanical Engineering

A VIGNETTE

Dean Kurt F. Wendt possesses that remarkable combination of personality that represents hope, confidence, and imagination—all needed more today than ever before. The problems of the world cannot possibly be solved by the present, very vocal skeptics and cynics whose horizons are limited by all too obvious realities. He is the very personification of *the man* defined by the late George Bernard Shaw and those acquainted with his direction in committees or related work recognize that where lesser men observe things and say “Why”—Kurt Wendt might be dreaming of the things that never were and say “Why Not?”

In His Trophy Case

- 1959 Wisconsin Society for Professional Engineers—citation for outstanding contributions to the engineering profession.
- 1960 Bliss medal, by the Society of American Military Engineers.
- 1963 Named “Engineer of the Year” (outstanding engineer in the State of Wisconsin) by Engineers Society of Milwaukee.
- 1963-64 Served as president of the American Society for Engineering Education.
- 1964 Honorary degree of Doctor of Science conferred by the West Virginia Institute of Technology.
- 1964 Consulting Engineers Council Award for Outstanding Contributions in the Field of Education.
- 1965 Roy W. Crum Award for Distinguished Service, Highway Research Board, National Research Council.
- 1966 Wisconsin Utilities Association—Citation of Merit.
- 1966 Golden Plate Award of The American Academy of Achievement—“Captain of Achievement”
- 1969 National Council of Engineering Examiners—Distinguished Service Certificate.
- 1970 Honorary membership by the American Society for Engineering Education “for eminent service to mankind in engineering education or other engineering fields.”

Should I Be An Engineer

by Kurt F. Wendt

Dean, College of Engineering

Dean Wendt wrote the following article for the 1957 Wisconsin Engineer's special high school edition. Although the market for engineers may have changed, the article illustrates Dean Wendt's enthusiasm and commitment to attracting students into the engineering profession.

The pictures in the facing page feature Dean Wendt and campus activity about 1957.

On almost every hand today one hears about the critical shortage of engineers. As a result we receive hundreds of requests for information about the engineering profession. What is engineering? What does the engineer do? Should I be an engineer?

Engineering is the art and science directed toward the adaptation of materials found in nature into useful forms, and the harnessing and conversion of natural forces into useful power by efficient and economical means.

The profession is commonly divided into six major fields: chemical, civil, electrical, mechanical, mining and metallurgical engineering, each with many subdivisions. Recently the special field of nuclear engineering, which really builds upon all the other fields, has come into prominence, especially at the graduate level.

Manufacturing and processing of substances from raw materials through carefully controlled chemical and physical changes comprise the field of chemical engineering. The main divisions are: (1) unit operations, including such physical problems as transportation of fluids and solids, heat transfer, absorption of gases, drying, distillation and filtration; (2) unit processes which involve making changes through chemical reactions; and (3) process control and instrumentation.

Civil engineering, the oldest branch, at one time included all engineering of a non-military character. The main divisions are structural, sanitary, hydraulic, and transportation engineering. Buildings, bridges, dams and tunnels are designed and erected by the structural engineer. Water supply and sewage disposal systems are the concern of the sanitary engineer. The control and distribution of water for power, irrigation, flood control, and water supply are in the field of

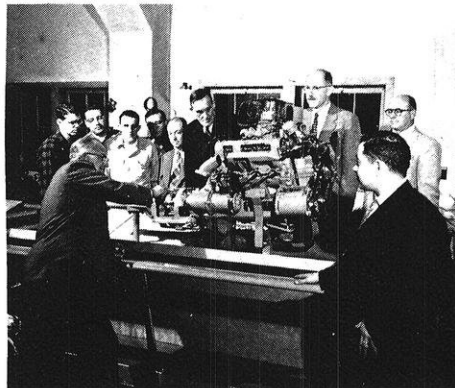
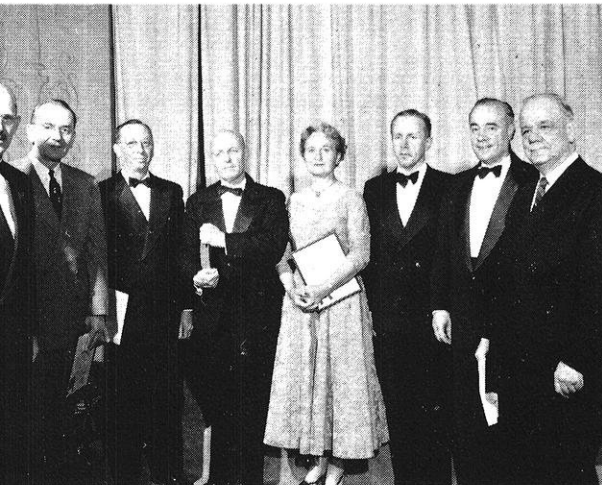
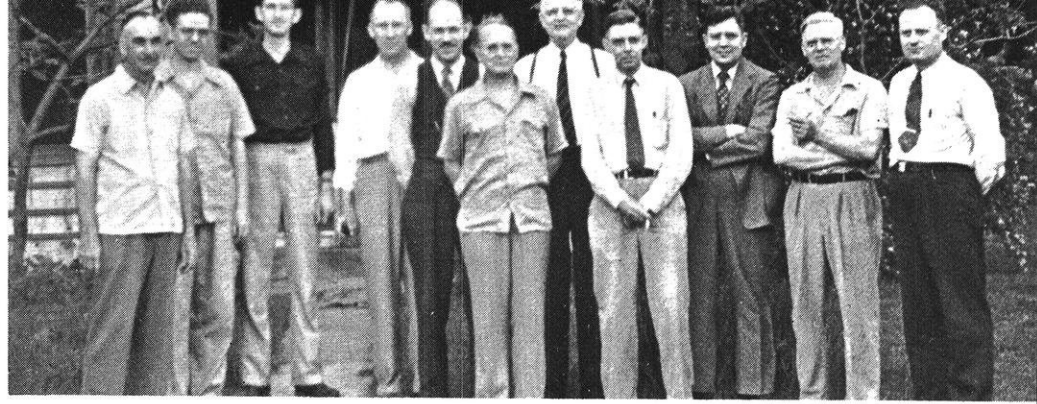
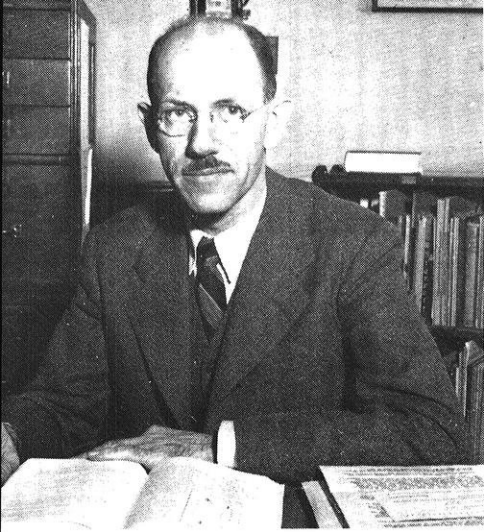
hydraulics. The transportation engineer designs the roadways and terminal facilities for motor vehicles, railroads, and aircraft.

Electrical engineering has two main divisions: power engineering, which is concerned with the generation, transportation, and application of electrical energy; and the broad field of communications and electronics which includes telegraph, telephone, radio, radar, television and control. The electrical engineer is responsible for furnishing much of the power used in industry, for lighting of all types, for the design of many labor-saving devices in our homes and for much of the control equipment of modern industry, for medical equipment such as X-rays, and for such interesting developments as the new high-speed electronic computers.

The mechanical engineer deals chiefly with the design and construction of machines for the generation or transformation of power, and for the production of other machines. Power generation, particularly steam and gas power, internal combustion engines, tool and machine design, heating, ventilating, refrigeration and industrial planning and management are the common subdivisions within the field.

The mining engineer searches for and extracts all classes of minerals from the earth. The field naturally divides itself into three parts: mining geology, concerned with discovery and exploration; mining engineering, involving design, construction and operation of plants for the recovery of ore from the earth; and mineral dressing, dealing with the development and operation of processes for the separation of the valuable minerals from associated wastes. The metallurgical engineer extracts metals from their ores and subsequently refines and combines metals to produce alloys possessing special properties.

Regardless of field or function, many areas of work and a large variety of duties are common to all engineers. For this reason you will find many courses common to all engineering curricula. As in any profession, success in engineering demands integrity, industry, perseverance, courtesy, and good personality. In addition, interest in and strong aptitude for mathematics, the sciences, and written and oral expression are of primary importance. If you possess these qualities and aptitudes, find the duties of engineers attractive, and are willing to work hard, you can become a successful engineer. The demand for men and women with sound engineering training is great. The rewards, materially and in personal satisfaction, are substantial.



Journey of a Giant

Kurt F. Wendt, native of Milwaukee, was graduated from the University of Wisconsin College of Engineering in 1927 and has been teacher, researcher, and administrator in the College since that time.

He has served widely as a consultant in the field of materials and stress analysis, and in 1935 he was placed in charge of the Materials Testing Laboratory at the University. For 15 years he was a consulting engineer for the U.S. Forest Products Laboratory at Madison, and for 11 years consultant for the National Science Foundation serving as chairman of the Engineering Sciences Advisory Panel and chairman of the Graduate Facilities Panel for Physical Sciences. He is an associate on the National Highway Research Board, and served as chairman of the committee on the durability of concrete, chairman of the Concrete Division, and member of the executive committee of the Materials Department.

He was a member of the executive committee of the UW Committee on Functions and Policies, in 1950 was named to the University's Athletic Board, in 1951 was chosen Big Ten faculty representative for UW, and in June, 1953, the UW Board of Regents named him dean of the College of Engineering and director of Wisconsin's Engineering Experiment Station.

Dean Wendt was elected chairman of the national Engineering College Research Council for 1958-60 and Vice-President of the American Society for Engineering Education, and in 1958 he was also elected president of the Association of NROTC Colleges and Universities.

He was chairman of the University's Campus Planning Commission, is chairman of the Wisconsin Registration Board for Architects and Professional Engineers, a member of the National Research Council, the American Society for Testing Materials, the Society for Experimental Stress Analysis, the Wisconsin and National Societies of Professional Engineers, the Engineers and Scientists of Milwaukee, and the American Society for Engineering Education, of which he was elected president for 1963-64. In addition he served as a member of the Governor's Commission on Traffic Safety, and of the Citizen's Advisory Committee to the Mayor.

In 1959 Dean Wendt was cited by the Wisconsin Society of Professional Engineers for his outstanding contributions to the engineering profession, in 1960 he was awarded the Bliss Medal by the Society of American Military Engineers for outstanding achievement in engineering education, and in 1963 he was named Engineer of the Year by the Engineers' Society of

Milwaukee. The honorary degree of Doctor of Science was conferred upon him by the West Virginia Institute of Technology in 1964.

Dean Wendt was given the Consulting Engineers' Council Award in 1964 for his "outstanding contributions to the engineering profession in the field of education," and was chosen by the Highway Research Board of the National Academy of Sciences and the National Research Council to receive its 1965 Roy W. Crum Distinguished Service Award "in recognition of outstanding achievement in the field of highway research." In 1966 he received the Golden Plate award of the American Academy of Achievement at its annual "Salute to Excellence" program.

In 1966 he was elected to the board of directors of the National Council of Engineering Examiners and chairman of the Central Zone, and was named to the Board of Review and Evaluation of the U.S. Naval Officer's Candidate School in Rhode Island in 1967. He serves on the committee on International Affairs and on the Commission on Education for the Engineering Profession of the Association of State Universities and Land Grant Colleges.

In 1969 he served as president of the United Community Chest in Madison. In 1970, he was elected to the board of the University Retirement Association, and was presented with an honorary membership by the American Society for Engineering Education, "for eminent service to mankind in engineering education or other engineering fields."

During Dean Wendt's years in office, the College of Engineering's building space was greatly expanded with major additions to the large New Engineering building providing better facilities for the chemical, civil, electrical, and engineering mechanics departments, and a 15-story Engineering Research building, all of which aid considerably Wisconsin's engineering education and research work.

Through the 18 years of Dean Wendt's administration, curriculum studies were made in all areas of engineering education, and several new major fields of study were established leading to both baccalaureate and higher degrees.

An undergraduate program was inaugurated in the Engineering Mechanics department leading to the B.S. degree, departments of Nuclear Engineering and Industrial Engineering were established leading to both bachelor's and advanced master's and Ph.D. degrees, and a program of education and research in the new field of bio-engineering was established.

The UW College of Engineering's nuclear engineering program was started in 1958 for graduate students only, first granting only M.S. degrees. In 1960 the program was enlarged to grant also Ph.D. degrees. In the spring of 1961 the University's new 10-kilowatt nuclear reactor was put into full operation, and in the fall of that year a new curriculum leading to the B.S. degree in nuclear engineering was approved by the faculty.

The University began to offer both bachelor's and master's degree programs in Industrial Engineering in the fall of 1967 in response to demands from Wisconsin industry. The Wisconsin program educates students for careers in almost all phases of industry, as well as in government, transportation, medical programs, and other organizations.

In the early 1960's the UW inaugurated an education-research program in bio-engineering which is defined as the application of engineering and physical sciences to problems in medicine and biology. By the late 1960's bio-engineering had grown to the point where nearly a score of UW faculty members had a major commitment to bio-engineering research and education, and with the aid of some 60 graduate students working on projects ranging from heart valves to theoretical neurophysiology, from microelectrodes to blood-pump-oxygenators.

Also during Wendt's deanship, the college inaugurated a Superior Student Program under which funds for scholarships and other merit awards are provided by industries seeking to aid outstanding students gain their engineering educations.

The UW College of Engineering, under Dean Wendt's guidance, also became a leader in three foreign engineering education-research projects with colleges and universities in foreign lands stretching all the way from Mexico, through India, to Singapore in the Far East.

First of the engineering education and research projects came with the India program, inaugurated in 1953, shortly after Dean Wendt assumed office, under a U.S. Agency for International Development (USAID) Mission to India contract which was operated by the UW College of Engineering for the federal government for 13 years. Under it the college provided American engineering teachers and researchers for work at technical schools in India, and brought engineering teachers and students from India to the U.S., many of them to Wisconsin, for advanced training.

The Mexico project is known as the Wisconsin-Monterrey exchange program. Under it each year Wisconsin

engineering students spend their junior year studying at the Instituto Tecnológico Y de Estudios Superiores in Monterrey, and students and faculty members from that school come to Wisconsin to study in engineering. Inaugurated in 1960 under a Carnegie Corporation grant, the project is the first cooperative venture in engineering education between the U.S. and Mexico.

In 1966 the UW College of Engineering was chosen to administer the Singapore Polytechnic program under a grant of funds from the Ford Foundation.

Under the Singapore Polytechnic program, the funds are used to provide visiting professors to assist the Polytechnic in developing its degree program and in strengthening related programs of teaching and research.

Dean Wendt has served and is serving on many committees and commissions of the University, of Madison, and of engineering and education.

He was a member of the Kellett Commission on Education in Wisconsin, served on the National Board of Ethical Review in engineering, on the Board of Editors of the Journal of Human Resources, and on the Joint State-City Commission on State Office Facilities.

He is a member of the Fringe Benefits Commission of the UW System, and has served as president of the University Park Corporation since 1965. He served as vice president of the Madison Rotary Club, as president of the University Club and a member of its Board of Directors, as president and member of the Board of Trustees of the University YMCA, as a director of the Wesley Foundation, and is a member of the University United Methodist Church.

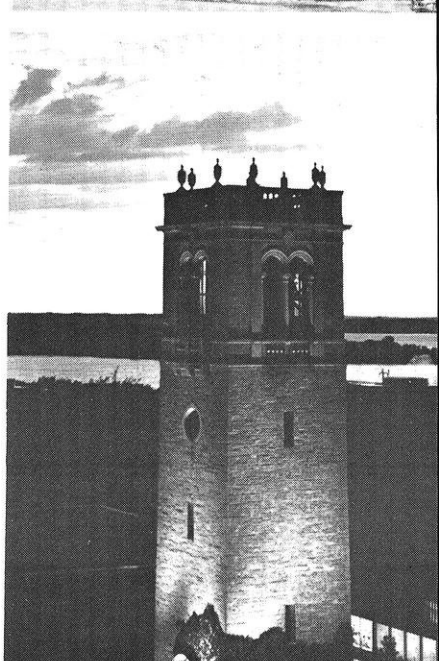
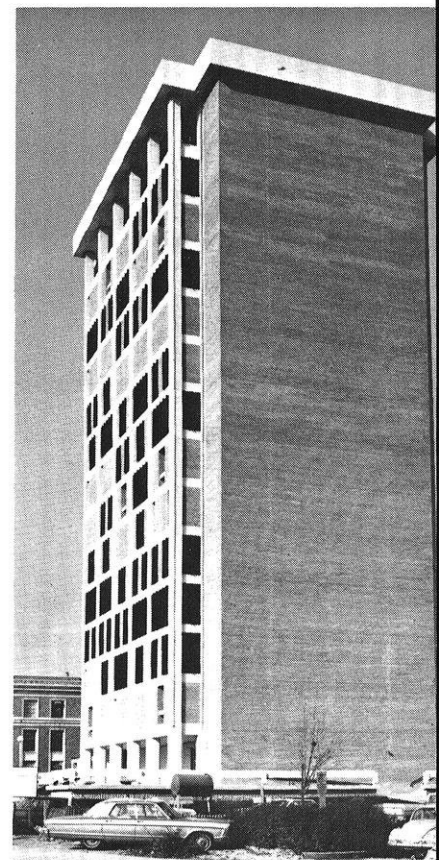
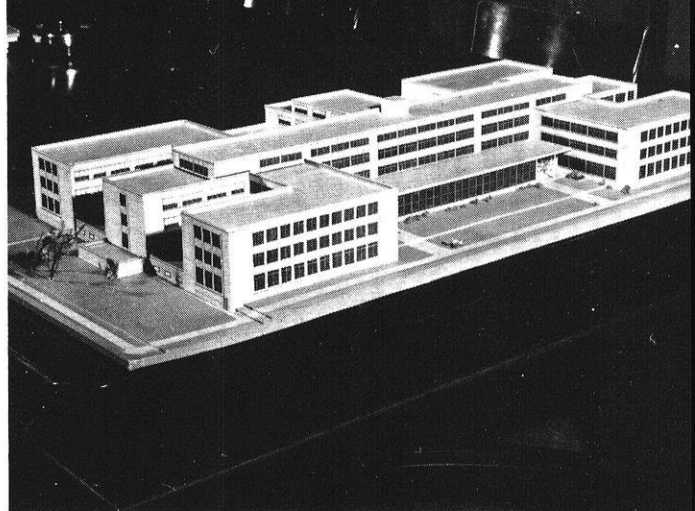
He is a director of the Midwest Universities Consortium for International Activities, and of the Madison Chamber of Commerce.

In 1966 Dean Wendt was presented with a Citation of Merit by the Wisconsin Utilities Association, in 1970 he was awarded the Distinguished Service Certificate of the National Council of Engineering Examiners, and is listed in Who's Who in America and in American Engineers of Distinction.

He is a member of numerous honorary fraternities and scholastic societies, including Chi Epsilon, Tau Beta Pi, Sigma Xi, Phi Eta Sigma, Phi Kappa Phi, and Triangle.

Dean Wendt was married to Adelaide R. Jandre in 1927, and they have three sons, all UW graduates, Jerome and Richard both located in the Columbus, Ohio, area, and Franklin, living at Trumbull, Conn.





A TRIBUTE TO KURT F. WENDT, ON HIS RETIREMENT, AS DEAN
OF THE COLLEGE OF ENGINEERING
THE UNIVERSITY OF WISCONSIN

"OUR FRIEND, KURT"

*He's a famous man of letters,
Respected by his peers,
Outstanding in his chosen field
For many, many years.*

*A builder of great structures, he's
A builder of men, too.
Both on and off the campus, this
Is evident to you.*

*Through an era of disruption,
His influence has felt
As a steady, quieting factor
On those with whom he dealt.*

*His school has been a credit to
Our University
His leadership, a thing of hope
To many, as to me.*

*His skill and dedication moved
From campus to the town,
Where vital, needed projects, then,
Fared better all around.*

*He's led United Givers through
A time, both lean and hard,
When his character and wisdom
Earned respect and high regard.*

*Presiding at a conference or
Attending rotary,
With almost every word he speaks,
He smiles at you and me.*

*This Gentle Tower of a Man
Will have more leisure now,
But, I've a feeling he'll remain
In the limelight somehow.*

*We wish the best, with all our hearts,
For Kurt and Mrs. Wendt,
As is their honest, just reward
For tenure, so well spent.*

C.L. "Duke" Duquaine



The University of Wisconsin

in recognition of the eminent professional services
of

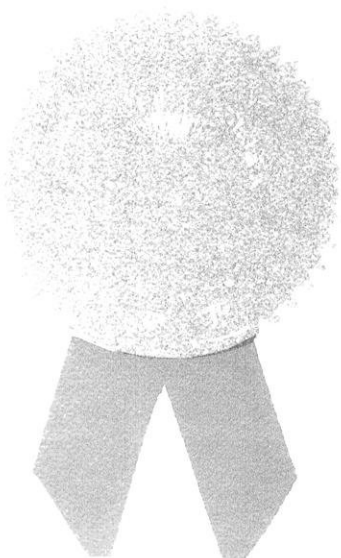
Kurt Frank Amdt

Engineering Dean, educator, civic leader and wise counselor who has given, generously and continuously: to his students and faculty, understanding, purpose, encouragement and direction with firmness of decision; to his profession, vision and exemplary standards of ethics and integrity; to his University, devotion, sage counsel and insights to the solutions of its problems; to his state and country, dedicated service without reservation, presents this

Distinguished Service Citation

Upon vote of the faculty of the College of Engineering and with the approval of the Chancellor and Regents of the University.

*In witness whereof it is sealed and signed at Madison,
Wisconsin this 7th day of May, 1971.*



Edwin Young
Chancellor

W. Robert Marshall, Jr.
Associate Dean, College of Engineering