

"One who is able to conduct or direct work involving the theory and practical application of electricity."

The school had a batting average of "about 75 percent" in finding jobs for 1950 January graduates. Farrar says the employment situation is tightening up in electrical engineering, but "those who work at it are finding good jobs."

R. A. Hardin

Chairman

School of

Industrial Management



O.U.'s School of Industrial Management is a 2-year-old youngster with 40 major students.

Dr. R. A. Hardin, chairman of the new school, defines an industrial management engineer by what he does:

"Industrial engineering and management is concerned with co-ordinating the use of men, materials and machines in economic and other engineering associations."

To equip the student for this job, the school has a curriculum which includes approximately 40 hours in the College of Business Administration and the same number of hours in the College of Engineering.

In his first year the industrial management student follows the same course of study as the general engineering student. He begins courses in business management in his second year, and in his third and fourth years—when the regular engineering student is specializing in some field—he continues a combined course in engineering and business.

So far the school has graduated two students. One is now working on a master's degree in industrial engineering, and the other is employed by an oil company.

Six students will be candidates for degrees in June, 1950. They're trained in plant management, production control, production rating, time and motion study and efficiency engineering.

In addition to the 11 degree-granting schools in the College of Engineering, four departments have been organized to train students in technical phases of engineering.

Professor L. A. Comp heads the Department of Aeronautical Engineering; Professor F. C. Morris directs the Department of Engineering Drawing; Professor F. Lowell Jackson is in charge of the Department of Industrial Education; and Professor Fred Mouck is acting chairman of the Department of Mechanics.

► Dr. R. L. Huntington, '17ba, chairman of the School of Chemical Engineering went to Houston, where he attended the Regional meeting of the American Institute of Chemical Engineers. He also inspected the chemical engineering laboratories at Texas A.&M. and Rice Universities, February 25-March 1.

► Dr. John C. Calhoun, Jr., chairman of the School of Petroleum Engineering, attended the American Petroleum Institute Regional Meeting at Dallas, March 8-10.

► S. H. Wendler, professor of chemistry, is now in Oak Ridge, Tennessee, where he is taking courses at the Oak Ridge Institute for Nuclear Studies. The courses are from March 8 to April 10.

O.U.'s Senior Dean

The Second Quarter

Dean W. H. Carson began his second quarter of service to the University in January.

By globe-trotting in 19 foreign countries, Dean W. H. Carson has acquired first-hand a world point of view. And the University through the years has had the benefit of his metropolitan knowledge.

When the Engineers Club of Tulsa named Dean Carson "engineer of the month" last January, the recognition came on an important anniversary, though the Tulsans didn't know it then.

January 19 was the 25th anniversary of the date Carson joined the College of Engineering at Norman.

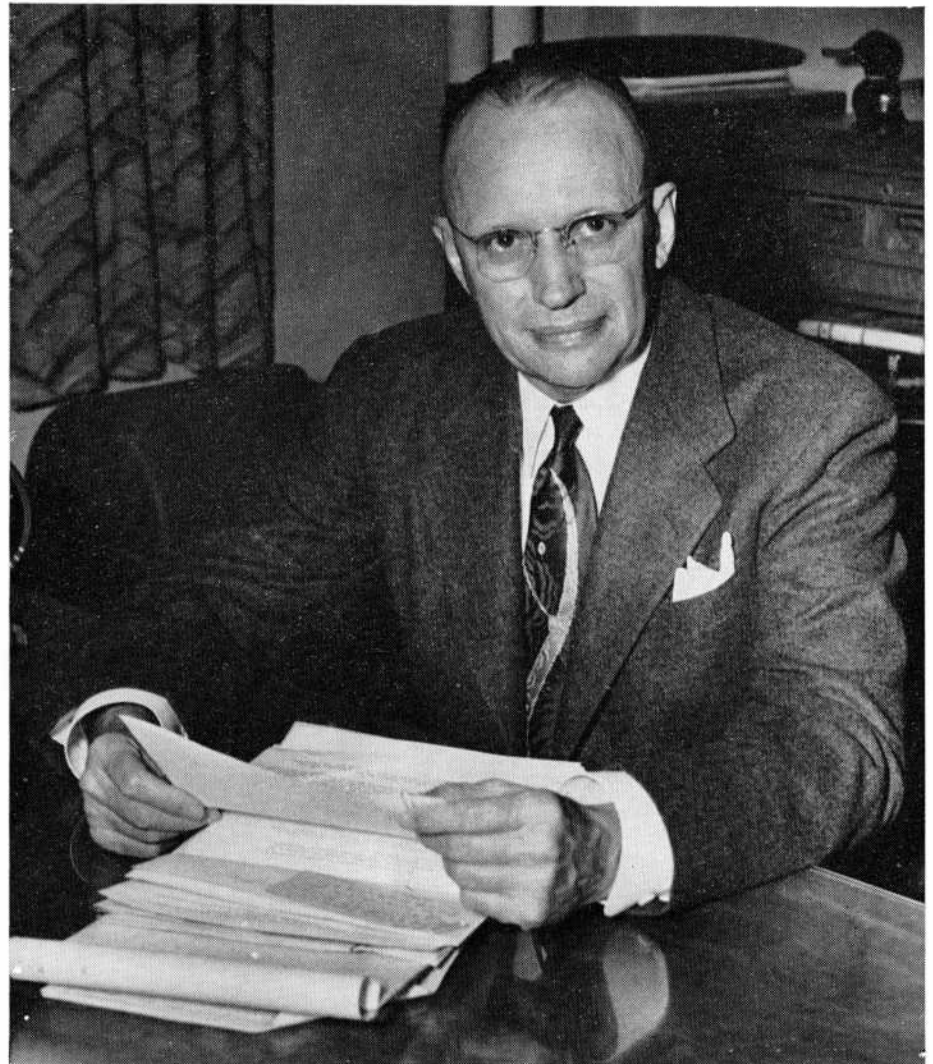
When Dr. J. H. Felgar resigned the deanship in 1937, Carson was appointed to the position for the 1937-38 school term. He is now the oldest dean in point of service at the University of Oklahoma, giving him the distinction of being "Senior Dean."

During the quarter century Dean Carson has served the college, he has shown that his engineering type of mind is the kind which recognizes a

problem, analyzes it, and then gets action. As director of the academic program of the School of Petroleum Engineering, he brought world-wide recognition to the school; a more recent achievement of the "Carson formula" is the completion of the addition to the engineering building which includes the Petroleum Engineering School and the Engineering Laboratories.

Forty-one years old when he was appointed to the deanship, Carson was then one of the youngest deans at O.U. He's still a young man when it comes to globe-trotting in the interest of the University and its graduates. He has traveled in Canada, Mexico, Cuba, Panama, Columbia, Venezuela, Brazil, England, France, Switzerland, Italy, Portugal, Spain, Lebanon, Saudi Arabia, Syria and Egypt.

Always with an eye to the future, the dean has an open mind which readily accepts ideas for any value they may have. He startled Norman in July, 1947, when he calmly announced that he had seen three strange objects flying west over the city; they



W. H. Carson, O.U.'s senior dean, completed his 25th year at the University January 19. When the Sooner photographer snapped this picture, Carson's secretary quipped: "It won't be typical unless you show the line of students waiting to see him."

"Opportunities for the engineers of the future will depend upon how well the engineers of today and the engineers of tomorrow do the necessary creative work which lies ahead."

That's the answer W. H. Carson, dean of O.U.'s College of Engineering, has for the question: "What about the future of engineering?"

Speaking to the radio audience of University radio station WNAD, Dean Carson presented the first of a series of spring semester programs which will discuss the various divisions of engineering.

In the first program, Dean Carson gave a word preview:

"The present-day engineered products and methods will be used as background material for new engineering creations. In answering the question concerning the future, we must consider the diminishing supply of raw materials. Engineers of the future must devise even more efficient means of recovering and using the raw materials of the land and the sea, and develop new materials."

Highschool students who are thinking of an engineering career can certainly look to the field as one with a future, the dean said. The person who trains for engineering has opportunity to become a citizen who can aid humanity in many ways.

"An engineering education develops in a person an ability to analyze problems in a rational manner, whether the problems be economic, social, political, or of an engineering nature," Carson added.

tallied closely with descriptions of "flying saucers" from other parts of the country. As calmly as he announced seeing the "saucers", he wrote the war department, hoping the information might be of assistance to the army if it were conducting secret experiments.

A Texan by birth, Carson enrolled in the University of Wisconsin in 1916, with a major in mechanical engineering. He interrupted his college training to see overseas Army service with the 32nd Division. When he was discharged, he returned to Wisconsin to complete a B. S. degree in Mechanical Engineering in 1923. He received an M. E. degree from the same institution in 1932.

Before coming to the University of Oklahoma, he was employed as a developmental engineer by the Western Electric Company in Chicago. While on the University staff he has devoted a portion of the summer months to practical application of his knowledge in the several fields of engineering.

Dean Carson has served as manager of the Defense Contract Service in Oklahoma, and as research consultant for the Aluminum Company of America on university research projects. He was responsible for developing a number of projects of an educational nature at the University, including the "Fluid Meter Research Project."

During World War II, Dean Carson held the consultant position of technical and professional expert on matters pertaining to college programs of the Army specialized training in the Eighth Service Command. He was also consultant for the Office of Technical Services Industrial Research and Development, U. S. Department of Commerce.

Among other educational activities, Carson serves

as chairman of the executive committee of the Southwestern Gas Measurement Short Course, which annually attracts representatives from all sections of the nation and from foreign countries to Norman.

He is also chairman of the General Committee of the Petroleum Fluid Meters Conference; chairman of the Basic Engineering Committee of the Oklahoma Regents for Higher Education; director of the University of Oklahoma Unit of the Army Specialized Training Program; administrator of the Navy V-12 program at OU; chairman of the Petroleum Engineering Section of the educational division of A. I. M. E.; and a charter member of the board of directors of the Southwestern Council on Education for Business Responsibility.

Dean Carson is recognized in *International World Who's Who*, *Who's Who in America*, *Who's Who in Engineering in America*, *Leaders in Education*, and *Oil's Blue Book*. His professional societies include fellowships in A. S. M. E., A. P. I., O. S. P. E., and N. S. P. E. Honorary fraternities which list his name are Tau Beta Phi, Sigma Tau, Pi Tau Sigma, Sigma Xi, and Pi Epsilon Tau.

The international scope of Dean Carson's activities took him to the Second International Technical Congress of World Engineers in Cairo, Egypt, in March 1949, and to Rio de Janeiro, Brazil, last July to present a paper before the First Pan-American Engineering Congress.

Attending the Cairo conference as a representative of the American Society for Engineering Education, as a delegate of the Engineers' Joint Council, and as an official observer for the Comite International de l' Organization Scientifique, Dean Carson presented a paper entitled "Engineering Education and the Engineer."

Cited for his work during World War II, the dean was the recipient of a recognition of meritorious personal service. Aside from holding honorary and appointive officers in O. S. P. E., A. S. M. E., and A. I. M. E., he is a member of the board of directors of the Southwestern Council on Education for Business Responsibility and chairman of the Power Survey Committee of the Oklahoma Planning and Resources Board.

As the membership in such an extensive number of organizations would indicate, the dean of O.U.'s College of Engineering is a busy man.

A constant stream of students and alumni visit his offices for advice and guidance. And this personal contact with students continues when they leave Norman.

Dean Carson has organized a file system of names of the College of Engineering alumni, which enables him to maintain contact with his former students and assist them with finding positions if they request help. Many students return to the dean's office to report that his "lead" provided them with a job.

To make his job finding system effective the dean spends many hours making and maintaining contacts with industry representatives.

In addition to A. S. M. E. publications, Dean Carson has written articles for *Sooner Magazine*, *Gas Age-Record*, *American Gas*, the *Petroleum Engineer*, *World Oil*, *A. P. I. Transactions*, and several other publications. He also holds patents on several manufacturing machines.

O.U.'s "Senior Dean" believes the busier a man is, the more he is able to accomplish. His quarter century record speaks for itself.

► Dr. Kester Svendsen, professor of English, will spend the Easter vacation at Durham and Chapel Hill, North Carolina, working on the Milton collections at North Carolina and Duke University. He plans to return April 12.

Graduates Continue Studies

An increasing number of persons holding a B. S. Degree in engineering are working toward advanced degrees at the University of Oklahoma.

And the research now being conducted by graduate engineering students is attracting national and international recognition.

The importance of this graduate work in the College of Engineering is reflected in the industrial scholarships and the fellowships which have been assigned to O.U. in recent years.

The American Gas Association fellowship, sponsored by the American Gas Association, has been in force the longest at the university. The holder of this fellowship receives a stipend of \$600 for ten months, and his research for a master's thesis is related to the problems of the natural gas industry.

Other formal fellowships and scholarships in effect at present are: Black, Sivalls & Bryson Fellowship in Chemical Engineering, which has a stipend of \$1,200 for 12 months; Ethyl Corporation Fellowship, assigned to the School of Mechanical Engineering, carrying a stipend of \$1,200 for nine months; Gulf Oil Corporation Fellowship, assigned to the School of Chemical Engineering, carrying a stipend of \$1,000 for nine months; Humble Oil Company Fellowship in Petroleum Engineering, with a stipend of \$1,250 for nine months; Magnolia Petroleum Company Fellowship in Chemical Engineering, carrying a stipend of \$1,500 for 12 months and \$500 for the purchase of research equipment; Shell Fellowship in Petroleum Engineering, with a stipend of \$1,200 for 12 months and \$300 for the purchase of equipment; Socony-Vacuum Scholarship in Petroleum Production, with a stipend of \$750 for eight months; Stanolind Oil Company Fellowship in Petroleum Engineering, with a stipend of \$1,250 for nine months; Texas Company Fellowship in Chemical Engineering, with a stipend of \$1,500 for 12 months; and a University of Oklahoma Research Fellowship in Chemical Engineering, \$250 for one semester.

Present holders of the fellowships and scholarships are: James Verland Evans, '49eng, Muskogee, American Gas Association; Charles R. McMurry, Poteau, Black, Sivalls & Bryson; Wendell E. Bergren, Goodhue, Minnesota, Ethyl; J. M. Campbell, '48eng, Norman, Gulf; Elwood L. Baldwin, Enid, Humble; J. L. Huit, '48eng, Monroe, Louisiana, Magnolia; William R. Bohon, '48eng, Enid, Shell; James W. Tucker, Jr., Altus, Socony-Vacuum; John William LaRue, Coraopolis, Pennsylvania, Stanolind; James G. Seay, '49eng, Ponca City, Texas Company; and James Pei-chung Hsu, China, University of Oklahoma.

► Dr. Ralph D. Bienfang, professor of pharmacognosy, was in Dallas, March 8-11, attending the Sixth District N.A.B.P. and A.A.C.P. meetings.

► Verne H. Schnee, director of the research institute, recently went to New Orleans, where he attended the research institute of the Southern Association of Science and Industry.

► James G. Harlow, '31ba, '33ms, director of highschool science service, attended the national meeting of American Association of Physics Teachers, February 1-4.

► Dr. J. R. Rackley, '31ba, '35ma, dean of the college of education, went to Dallas to represent the college of education at the national conference of the National Commission on Teacher Education and Professional Standards, February 2-4. He also attended the annual convention of the American Association of Colleges for Teacher Education and the American Association of School Administrators in Atlantic City, February 22-March 4.