

# Sooner Portraits

The Cheering Section is reserved for Engineers this month. The ten presented here are a sampling of the men and women in Engineering who are acquitting themselves in an outstanding fashion.



**CHARLES R. HETHERINGTON**  
... Petroleum Engineer

Since it was organized in 1908, the University of Oklahoma College of Engineering has produced many graduates who have been outstanding in their field. It is difficult to say who among O.U. engineers have made the greatest successes; many are well known for their accomplishments.

Realizing the difficulty involved in attempting to name specifically the outstanding alumni of the college, *Sooner Magazine* asked chairmen of the various schools of the College of Engineering to name graduates of their schools who are now engaged in the type of engineering taught in the particular school. From the supplied lists, the editor chose an individual from each school for presentation here.

The profiles presented on this page and the following pages are of O.U. engineering graduates who are combining individual ability with the professional training they received in the College of Engineering to achieve success in the engineering fields.

**Charles R. Hetherington** is with Ford, Bacon & Davis, Inc., Engineers of New York City as senior engineer for petroleum and gas technology. In his position he is

principally concerned with design engineering and construction of natural gas facilities and acts as a professional witness for the presentation of engineering plans to governmental and other jurisdictional authorities in this field. His firm is also engaged in management engineering, and he serves as a director in an interstate natural gas company.

He attended the University from 1936 to 1941, received the bachelor of science and master of science (in chemical engineering) degrees. From 1941 to 1943 he attended the Massachusetts Institute of Technology where he received the degree of Doctor of Science in Chemical Engineering.

While at M.I.T. the research project on which he was working was taken over by the federal government for security reasons. He continued his work as a staff member of the National Defense Research Committee of the Office of Scientific Research and Development to complete the development of a portable plant to produce pure oxygen from air by regenerative chemical process for use in military aircraft.

He has made many studies and reports for proposed natural gas pipe line projects, including work on the Big and Little Inch



**NORMAN HASSLER**  
... Engineering Physics



**A. BLAINE IMEL**  
... Architect

War Emergency pipe lines, the Michigan Wisconsin pipe line project and the Texas-Illinois pipe line project.

Employed by the Standard Oil Company of California before he joined Ford, Bacon & Davis, Inc., in 1946, Hetherington is a member of the American Chemical Society and the American Gas Association. He is a registered professional engineer in the states of California and Michigan and the Province of Alberta, Canada.

**Norman Hassler**, '39bs, is with the Sperry Corporation in Long Island, New York, where he is a research engineer in the electronics division. He has worked on the top secret zero reader, an electronic instrument which combines the readings of several dials on an airplane control panel in one central dial. He invented an electronic device which eliminated the tubes in the zero reader, making the instrument much safer for blind flying. As a result of his invention he has been promoted to director of research on the instrument.

The zero reader was recently described in *Readers' Digest*, telling how it enables a pilot in a blind cockpit to take off, fly and land.

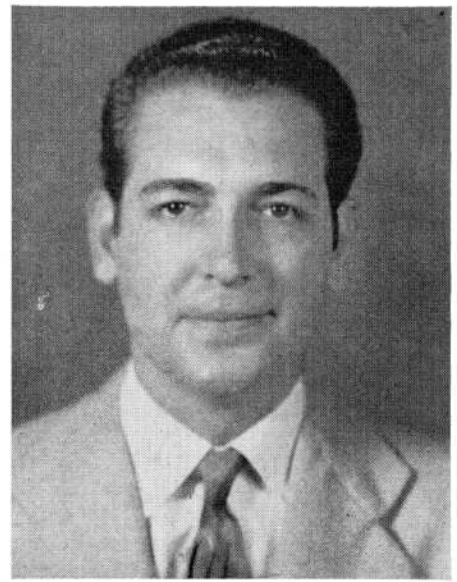
Hassler received his B. S. degree in en-



**LEE HENDRIX**  
... Civil Engineer



**ROBERT F. ROUNDY**  
... Industrial Management



**DALE L. PATRICK**  
... General Engineer

gineering physics in 1939 and continued graduate study at the University for a year after he received the degree. He worked for the Halbert Company in Duncan, Oklahoma, before going to the Sperry Corporation where he has been for the last three years.

He is married to the former Elmeta Parr, '38ed.

**A. Blaine Imel** received the bachelor of Architecture degree from the University in 1950 and is now associated with Robert E. Buchner, Architects, in Tulsa. The firm was opened last November and is at present doing commercial and residential work in Cushing, Ponca City and Tulsa.

While at the University Imel was awarded the American Institute of Architects' Student Medal for achievement at the University of Oklahoma School of Architecture. His design for "A Theatre Center," which was exhibited at the International Architectural Congress in Havana, Cuba, last spring, helped the University to win first award at the congress. It is now on an international tour.

He has worked in the University Architect's office at the University of Oklahoma and with Ramey, Himes and Buchner, Architects, in Wichita, Kansas.

**Lee Hendrix**, consulting engineer with offices in Tulsa, is now working on a highway connection from the Oklahoma Turnpike to U.S. Highway 66, an urban trafficway connection from U.S. 66 to the Arkansas River Bridge in Tulsa, a structure which will carry the Turnpike traffic over present U. S. 66 and the Frisco Railroad tracks at Sapulpa and plans for a highway in Adair County.

In addition to those projects he is working in conjunction with other engineers and

architects on a study of urban trafficway routes east of the Arkansas River in Tulsa, assistance to the general consultant in overall supervision on all structures on the Oklahoma Turnpike and several industrial and municipal buildings.

Big jobs which Hendrix has held since he received the B. S. degree in civil engineering at the University in 1925 include chief construction engineer on the Grand River Dam near Langley, Oklahoma, and chief engineer on the planning of Camp Gruber, an Army establishment near Muskogee.

A registered engineer in Oklahoma and Arkansas, he is a member of the American Society of Civil Engineers, Oklahoma Society of Professional Engineers, National Society of Professional Engineers and the Engineers Club of Tulsa.

**Robert F. Roundy**, who received the first B. S. degree in industrial management engineering conferred at O.U., is with the service division of the Radio Corporation of America at Dallas, Texas. He is learning the television industry from the ground up. Since he joined R.C.A. he has served in the engineering phases of installing and servicing TV sets, and at the present time he is learning office procedure with management as his next goal.

He received the degree of B. S. in engineering physics in 1948, followed by a B. S. in industrial management engineering in 1949. Industrial management is the newest school in the College of Engineering, and Roundy was its first graduate.

He received the Master of Arts degree in Economics in June, 1950, and enrolled at the University of Texas for pre-doctorial work in the field of industrial management. Choosing industry in preference to the

teaching field, he began work with R.C.A. in the fall of last year.

While working on his master's degree at O.U., he founded the student chapter of the Society for Advancement of Management, a national professional society for industrial engineers and management.

**Dale L. Patrick** joined the Blackwell Zinc Company in Blackwell, Oklahoma, after graduation from the College of Engineering in June, 1950. After spending three months as a cadet engineer in getting acquainted with the smelter, he was assigned the job of material control engineer on the company's 3.5 million dollar plant improvement project.

In his position he is responsible for checking all material and equipment received, the distribution of material costs for construction, accounting, and spotting of the items to fit into the erection plan.

He has to plan to have material ready when needed by the erectors, whether it is 50 or 60 tons of steel framing or a tiny thyrite resistor. He is also helping on field layout work for the structures and machinery as well as interpreting drawings and specifications for erector foremen on difficult layouts.

At the University he majored in General Engineering, receiving the B. S. degree in June 1950. Before graduation he worked as a mechanical draftsman for several engineering firms.

**R. F. Danner**, '20bs, has been manager of engineering and construction for Oklahoma Gas and Electric Company since May, 1948. Prior to that time he was directly under the vice president of O.G.&E. in charge of operation with the title of general superintendent.

Graduated from the University of Okla-



**R. F. DANNER**  
... Electrical Engineer

homa College of Engineering in 1920 with the B. S. degree in electrical engineering, Danner was a graduate student engineer at Westinghouse Electric Corporation in East Pittsburgh, Pennsylvania, from 1920 to 1921. From 1921 to 1923 he was distribution engineer for the Oklahoma Gas and Electric Company. He has been with O.G.&E. ever since, holding the positions of assistant to the general superintendent, general superintendent and manager of engineering and construction.

The O.G.&E. department, consisting of several engineers who are graduates of the University of Oklahoma, does all of the company's engineering work, with the exception of major generating station projects. All other engineering work, consisting of planning and design of distribution systems, transmission lines and substations is done by the company engineering department. The construction department handles the construction of all new facilities except distribution lines.

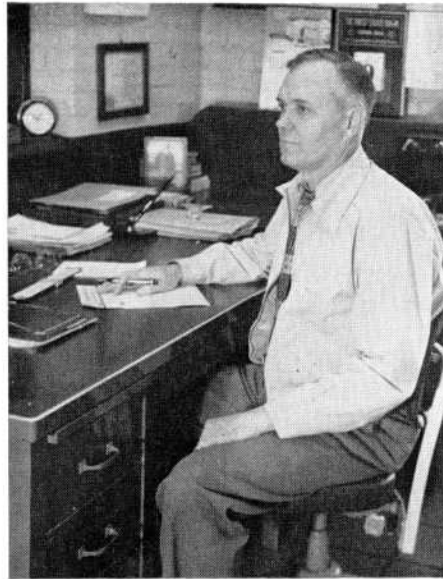
Danner's job is to co-ordinate the engineering and construction work and approve all engineering and construction on projects. He also approves engineering and construction policies and practices.

His professional background includes chairman of the Oklahoma City section of the A.I.E.E., former secretary of the Oklahoma Society of Professional Engineers, former chairman of the engineering section of the Southwest Geographical Division of the N.E.L.A. and former member of Foreign Systems, Power Systems Engineering, and Overhead Systems Committees of the N.E.L.A. A registered Oklahoma Professional Engineer, he was transferred to the grade of Fellow in the American Institute of Electrical Engineers in 1945. Last year he was elected to the office of First Vice

President of the Oklahoma Society of Professional Engineers. He is also vice president of the Southwest District of A.I.E.E. and a member of Eta Kappa Nu honorary electrical engineering fraternity.

**Charles D. Reid**, '23bs, is chief engineer of the Oklahoma Gas and Electric Company's Horseshoe Lake Station at Harrah, Oklahoma. He has had the job since 1937.

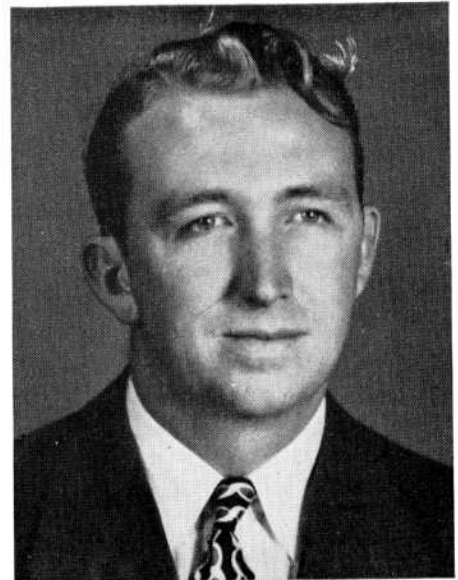
At the Horseshoe plant he supervises



**CHARLES D. REID**  
... Mechanical Engineer

maintenance and operation of the 92,000 kilowatt station which has 125 employees.

After receiving the B. S. degree in mechanical engineering at O.U. he was employed by the Oklahoma Gas and Electric Company in June, 1923. His first job with



**JAMES K. ANDERSON**  
... Geological Engineer

the company was as efficiency engineer in a Muskogee power plant. In 1924 he was transferred to the Horseshoe Lake Station at Harrah, where he has held jobs as storekeeper, assistant results engineer and results engineer.

Married to Lutie Faye Grimes, he has two daughters.

**James K. Anderson**, '49bs, lives in Gainesville, Texas, where he is working with leases, royalties and production as an independent in the oil business. At the same time he has been working on his thesis for a master's degree in geological engineering.

In the army during World War II, Anderson began studying geological engineering at the University in 1946. He re-



President Gabriel Gonzales of Chile accepts a pair of hand-made Texas boots from his host, George Livermore, '31bs, Lubbock, Texas, oil operator who has drilled wells for the Chilean government. President Gonzales received the boots during a recent visit to Lubbock to inspect oil refinery installations in the West Texas area.

ceived his B. S. degree in June, 1949 and continued graduate work until January, 1950.

Married to Marilynne Reynolds the same year he began work in the College of Engineering, he has two children, Judy and Jimmy.

**George P. Livermore**, '31bs, is president of the George P. Livermore Drilling Company and the George P. Livermore Oil Company, Inc., located in Lubbock, Texas.

Graduated from the College of Engineering in 1931 with a degree in petroleum engineering, he worked several years with a West Texas drilling company. Then he purchased his first rig and started independent operation on a shoestring budget.

His business boomed, and he is now one of the large independent operators in the West Texas oil fields. His rigs operate in Texas, Oklahoma and New Mexico, and he is now drilling for the government of Chile in South America. His enterprises add up to a large monthly volume of oil production.

He lives with his wife and one daughter in Lubbock. A member of the Lubbock Country Club, he recently put his engineering know-how to work and built a small gasoline-powered car which carries himself and his golfing friends around the club greens.

## Signs of the Times

Major James R. Holbird, '30Law, Midwest City, former assistant county attorney of Cleveland County, is attending the airforce's judge advocate general course at Maxwell Airforce Base, Montgomery, Alabama. A reserve officer and Caribbean area veteran of World War II, Holbird was ordered to active duty shortly before January 1, 1951. The judge advocate general course is designed to provide selected legal officers with professional proficiency in administration of law pertaining to military establishments.

Andrew J. Reynolds, '40, Seminole, has been promoted to the rank of colonel in the United States Army Airforce. Colonel Reynolds is director of supply for the western air defense force with headquarters at Hamilton airforce base, San Francisco, California.

Gene Richard Reynolds, '50eng, El Reno, is stationed at Fort Belvoir, Virginia, with the Army engineers.

Sgt. John B. Herzfeld, '49bus, former instructor of accounting at the University, has been transferred to the Technical Detachment of the Army Service Unit, Fort Meyers, Virginia. He was previously stationed at Fort Sill, Oklahoma.

Lt. Richard H. Folmar, '49ba, former graduate assistant in the University government department, and Lt. Joe Hendrix, '50 ba, are stationed with the United States Army at Fort Sill in artillery school.

Capt. Donald F. Gust, '50Law, Norman, former commanding officer of Headquarters Company at Camp Polk, Louisiana, has been assigned as staff legal officer at the medical replacement training center, Brooke Army Medical center, Fort Sam Houston, Texas. Captain Gust was transferred from Camp Polk to Brooke in December.

M/Sgt. James L. Quong, '40, Oklahoma City, has been missing in action in Korea since December 2. He enlisted in World War II and served with the 45th division. After the close of the war, Sergeant Quong, remained in the Army, and lived with his family in Japan until he was sent to Korea when the family came back to the States.

Sgt. Jeannene Fowler, '46-'47, Women's Army Corps, Norman, was one of 10 WAC's chosen for General Eisenhower's clerical staff in Europe. She has been a stenographer for two years at the Pentagon in Washington since she finished basic training at Fort Myers, Virginia.

Paul E. Armstrong, Jr., '48-'50, Oklahoma City, recently completed airforce basic training at Lackland Airforce base, San Antonio, Texas, and was assigned as a typist at the base.

Capt. Marion W. Tiller, '46bus, Oklahoma City, was recently transferred to Elgin Airforce base, Florida, to take up duties with the air proving ground. A veteran of the air lift. Captain Tiller has spent three and a half of his 11 years in service overseas.

Lieut. (jg) James R. Cox, Jr., '47eng, Oklahoma City, was recalled to active duty early in November. He is stationed at Charleston, South Carolina, where he is assigned to destroyer duty. Cox is a veteran of two and half years in the Pacific during World War II.

Lieut. Robert V. Bolene, '48med, is stationed at Vance Airforce base, Enid. Mrs. Bolene, the former Rosalie Steele, '46bs, and daughter, Judith Kay, seven months, are in Enid with Lieutenant Bolene.

## FACULTY

### Time for Parting

**With Kind Feelings.** Dr. Carl Coke Rister, research professor of history, resigned his professorship at the University in February to accept a position at Texas Technological College, Lubbock, Texas.

The new position carries the title of Distinguished Professor of History.

Recognized as one of the outstanding authorities on the history of Oklahoma and the southwest, Dr. Rister is one of the world's foremost authorities on the history of the oil industry.

Commenting on the departure of Rister, President Cross said: "His going will be a great loss to the University. Rister is widely recognized as a great historian and writer. We can understand this decision, however, because the offer is so attractive financially that he couldn't turn it down."

"I am leaving with the kindest feelings for the administration, the board of regents and my colleagues in my department," Dr. Rister said.

He came to the University from Hardin-Simmons as associate professor of history in 1929.

**She Blessed This House.** Mrs. Grace K. Maguire, director of the University's first music school, died February 5. Death was attributed to a heart attack.

A pioneer Norman resident, Mrs. Maguire came to Oklahoma six years after the opening of the territory to become director of the new University's first music school.

After the death of her husband, J. D. Maguire, she was in charge of the periodical division of the Library until her death.

A Grace Maguire memorial fund has been set up to perpetuate her memory. Contributions to the fund may be mailed to Boyd Gunning, executive secretary of the University Foundation, through the Faculty Exchange.

**Drafted.** Dr. Donald D. Stewart, assistant professor of Sociology at the University, has accepted a position in Washington, D. C., to carry out statistical research for the Office of Research and Statistics in connection with selective service.

Dr. Stewart served as a statistician with national headquarters of selective service early in World War II before entering service with the marine corps. He came to O.U. in the fall of 1947 from Brooklyn College, New York.

**On Loan.** Verne H. Schnee, University vice president in charge of development and O.U. Research Institute director, has been named to serve as executive director of the Metallurgical Advisory Board in Washington, D. C.

Schnee's appointment, which was effective February 1, is for one year. President Cross explained that Schnee is "on loan" to serve in the post. The board is being established by the National Academy of Sciences.