Battle of Production

Oklahoma's engineering alumni are found hard at work in all phases of the fight to speed the production of war necessities.

R. V. James, chairman of the department of mechanics, has administered the program of specialized defense courses at the University, sponsored by the U.S. Department of Education, and also has had charge of the extensive Civilian Pilot Training Course.

Clyde L. Farrar, associate professor of electrical engineering, and technical advisor of WNAD, was selected by the U.S. Department of Education to take a special three-weeks course in electronics at Massachusetts Institute of Technology recently, and is now conducting night classes in radio sound detection which have vital military value.

Last summer Herschel Elarth, associate professor of architecture, made a survey in Washington and along the eastern seaboard for the American Institute of Architects on civil defense with special emphasis on bomb shelters. H. L. Kampschoener, professor of architecture, was associated with the Naval Bureau of Yards and Docks last summer as associate architect and was engaged in designing Navy hospitals.

O.U. engineering graduates are engaged in a great variety of industrial work connected with production of war materials. It is not possible to give a complete list, but the following information provides an interesting cross-section of what they are doing.

Leo Gorton, E.E. '13, is owner of the Machine Tool and Supply Company at Tulsa which is handling a variety of machine tools that are vital for production of war materials.

I. X. Calhoun, M.E. '28, who has a manufacturing plant of his own in Oklahoma City, has had a number of sub-contracts calling for precision work on articles such as hydraulic units for a bomber landing gear.

W. L. Duckro, Jr., M.E. '30, who was engineer during the summer for the Division of Contract Distribution, O.P.M., State of Oklahoma, was promoted to manager when Dean Carson resigned his connection with the O.P.M. last September.

Dave E. Fields, M.E. '25, is vice president and general manager of the Tulsa Boiler and Machinery Company, which is handling a considerable volume of defense work.

Several M.E. graduates are making important contributions in the field of aeronautics. Richard L McBrien, M.E. '33, is flight research engineer with United Air Lines. W. K. Ritter, M.E. '29, is research engineer on internal combustion engines for the National Advisory Committee of Aeronautics, Washington, D. C.

Byeholmow, M.E. '22, is chief executive engineer of the Ethyl Gasoline Corporation, Detroit, Michigan, and R. B. Steed, M.E. '34, and A.E. Huffman, M.E. '39, work with him in developing aviation fuels.

Dave Abernathy, M.E. '38, is superintendent of utilities at the Hope, Arkansas, Proving Grounds of the Ordnance Department.

In the vital effort to produce an adequate supply of motor fuel for military and industrial needs, many chemical engineering graduates from O.U. are filling research and executive positions. W. C. Patterson, Chem. E. '36, and J. H. Weiland, Chem E. '36, are research and development engineers for the Texas Company. S. L. Reeburgh, Chem. E. '36, is with the Gulf Refinery at Port Arthur. Texas. Hampton Cornell, Chem. E. '30, who has been employed by the Humble Oil and Refining Company since graduation, has carried out several investigations on the reduction of evaporation loss from storage tanks.

Carl Cooper, Chem. E. '37, has completed work for a Ph.D. in chemical engineering at Massachusetts Institute of Technology and is employed in the Research Laboratory of the Phillips Petroleum Company in Bartlesville. Charles Hetherington, who received a master's degree from O.U. last spring, is at M.I.T. on a scholarship, working toward a doctor's degree in chemical engineering.

Although out of the University only one year, Leldon L. Stockton, C.E. '41, is already in field charge of the construction of marine loading docks and the erection of a power house in the vicinity of Southern California. After completing requirements for graduation in January, he began work with Columbia-Brown-Root, the builders of the huge Naval air base at Corpus Christi. He was promoted to a position with the parent firm, the Columbia Construction Company, and was transferred to the West Coast.

William M. Marriott, C.E. '35, has important— and confidential—duties with the Federal Power Commission which regulates phases of the electrical industry and its relation to defense. Mrs. Marriott is the former Bessie Knesley, who was engineers' queen at O.U. and later graduate student and faculty assistant at the University of California.

John W. Bond, C.E. '32, is superintendent and engineer for the Manhattan Construction Company, which is engaged in a number of defense projects. On shell loading projects are two new graduates: Harold Eugene DeShurley, C.E. '42, and James H. Will, C.E. '42.

A MERICA'S industries are being geared to produce war material on a scale never before even visualized, and the nation's engineers are fighting a crucial battle of production while the armed forces meet the foe in combat.

A survey made in February for Sooner Magazine reveals that the more than 2,000 graduates of the College of Engineering at the University of Oklahoma are scattered through practically every phase of this huge battle for production.

Both faculty and alumni of the O.U. College of Engineering have responded wholeheartedly to the need for trained men both in industry and in the armed service.

During the last year three engineering faculty members resigned to go into work related to national defense. C. T. Langford, chemical engineering, is doing special work in the United States Chemurgic Laboratories on the development of synthetic materials. N. E. Wollard, civil engineering, is making precise surveys in connection with army camp layout. J. W. Donnell, chemical engineering, is engaged in chemical warfare plant construction and operation.

Engineering faculty members who have taken leave of absence to serve in the armed forces are: Cpt. C. T. Almquist, Ordnance Department; Capt. A. P. Challenor, Signal Corps Research Department; Lt. H. K. Bone, Ordnance Department; Lt. D. O. Nichols, Ordnance Department Research; Lt. C. N. Paxton, Naval Aviation Research; Lt. F. C. Morris, Navy.

Last June Fred Jones, manager in Oklahoma for the Office of Production Management, was authorized to commission Dean W. H. Carson to organize the Division of Contract Distribution Service in Oklahoma. Dean Carson went to Washington and conferred with Mr. Knudsen and various department heads, after which the Oklahoma City office was officially opened June 15. Dean Carson resigned from the O.P.M. service September 1 to resume his duties at the University.

During last summer L. A. Comp, assistant professor of mechanics, did special research in the use of electric strain gauges at the Douglas Aircraft Company's main plant in Santa Monica, California.
Because of the civil engineers' training in stress analysis and structural design, many of them are in aircraft manufacture and design. Matt X. Beard, C.E. '40, is with the Boeing Aircraft Company, Seattle. Frank L. Best, C.E. '35, is manufacturing supervisor for Boeing Aircraft's plant at Wichita, Kansas. His previous experience as a supervisor for Boeing Aircraft's plant at Wichita, Kansas. His previous experience as a supervisor for Boeing Aircraft's plant at Wichita, Kansas. His previous experience as a supervisor for Boeing Aircraft's plant at Wichita, Kansas. His previous experience as a supervisor for Boeing Aircraft's plant at Wichita, Kansas. His previous experience as a supervisor for Boeing Aircraft's plant at Wichita, Kansas. His previous experience as a supervisor for Boeing Aircraft's plant at Wichita, Kansas. His previous experience as a supervisor for Boeing Aircraft's plant at Wichita, Kansas. 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some are producing the fuel to run them, and others are using the weapons. Ronald
Jones, G.E. '41, is doing research for Dow Chemical Company on the welding of mag-
nesium alloys, which are widely used in airplanes, and another Sooner, Howard A.
Leiser, G.E. '40, is with Curtis Wright Airplane Company in New York. Booth
Strange, G.E. '37, is with a geophysical party in Mississippi seeking new sources
of petroleum production. James R. Mart, G.E. '34, is petroleum production engineer
for E. H. Moore of Ada. Allyn Hale, G.E. '37, is in the steel castings department of
Hughes Tool Company in Texas, which is furnishing steel castings for defense produc-
tion.

John Ringer, P.E. '41, is with Consolidated
Shipbuilding Corporation, in Texas.
Although he started with the company as
an arc welder, his college education soon
secured a transfer to an engineering position and he is now engaged in the design and
installation of ventilating systems in large cargo ships.

After an intensive period of instruction
at Rock Island Arsenal, Bill Pratt, M.E. '41,
is working as an inspector of war materials for the government, in East Texas.
Architectural graduates are greatly in de-
mand because of the large amount of de-
fense construction work under way.

Lt. Frank C. Morris, A.E. '26, on leave
from the engineering faculty, is working on
naval construction in the Gulf area. Ross W.
Morrison, A.E. '28, was expecting last
month to be called to duty in the Army.
Capt. Maurice Helley, A.E. '31, is supervis-
ing the drafting of work drawings and the
construction of a large dock project on the
East Coast.

Lawrence Plank, A.E. '32, is with Coth
and Goss Constructors and is in defense
construction work. C. L. Holmes, A.E. '34,
have worked on the Army Engineer in Wash-
ington, and was transferred to the Quarter-
master's Office to work on instruments for
army housing.

Robert Moore, A.E. '34, has worked as
architectural draftsman for a number of
firms handling housing or other defense
work. Sue Aycock Turnbull, A.E. '36, has
a close interest in defense projects as her
husband is an engineer and architect work-
ing on bomber depots and other similar
projects.

Mark Miller, A.E. '36, and Keith J. Hb-
ner, A.E. '39, are with Albert Kahn's firm
in Detroit, Michigan, a firm of architects
which has handled nearly a billion dollars
of defense work. Milton Gordon, A.E. '38,
is working as draftsman for Prack and
Prack of Pittsburgh, Pennsylvania, who
recently completed plans for the new Lone
Star Ordnance Plant for the government.

Mansel Kersey, A.E. '38, Paul H. Harris,
F.A. '39, and Will A. Thomas, A.E. '40,
are working for the NYA at Russellville,
Arkansas, on plans for defense education
training schools. G. Milton Small, A.E. '39,
is working as draftsman for the office of
Pierre Ghent, City Planners, in Washing-
ton, D.C., and has been engaged in de-
tailing plans for defense housing projects.

Joe N. Boaz, A.E. '40, is employed as
associate architect by the War Information
Office of the Navy in Washington, D.C.,
and is doing confidential work. John
Knight, A.E. '41, is employed as junior
architect by the Bureau of Yards and Docks
of the Navy in Washington. He has helped in
the preparation of plans and model studies on the new Naval base at Trinidad,
and recently won a competition for a poster
to be used in defense plants throughout the
nation.

Robert L. King, A.E. '41, is also em-
ployed by the Bureau of Yards and Docks
and has been working on plans for new
Naval base buildings and bomb proof shel-
ters.

Only woman in the large office of the
Army Engineers at Galveston, Texas, Ruth
Julia Tappan, A.E. '41, is working as junior
draftsman on plans for army construction
in the Gulf area.

Now serving as officers in the nation's
armed forces are John H. Byrd, A.E. '38;
C. Morrison Stephens, A.E. '38; C. Julian
Vahlberg, A.E. '41; Gail R. Palmer, A.E.
'41, and Charles W. Himes, Landscape En-
gineering '38.

Civilians' Guide

(continued from page 12)

robes on hand by making over, dyeing or
adding new accessories. Suits of men al-
ready in service can be made over into suits
for women and children.

SUGGESTIONS ON FIRST
AID PRECAUTIONS IN HOMES

By Alma J. Neill
Professor of Physiology

1. Find out from your county Red Cross
chairman when instruction will be given in
first aid and enrol in a class. "Civilians,
especially women, should know simple first
aid treatments," Miss Neill advises. "This
war is chiefly a war from the air and women
may have to care for wounds and burns
cased by bombs in their own homes."

2. In Miss Neill's opinion, every civilian
should know how to care for cuts, wounds
and burns, how to make splints for broken
bones and transport bodies out of wreckage
and debris. In the medicine chest of every
home, the following items should be kept:
a flashlight, triangular bandages and lots of
clean white cloth, Amerman ointment or

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