

SCIENTIFIC NOTES AND NEWS

DR. CHAUNCEY D. LEAKE, librarian and since 1928 professor of pharmacology at the Medical Center at San Francisco of the University of California, has been appointed vice-president of the University of Texas in charge of its medical program. Dr. Leake will be stationed for the present at the University of Texas Medical School at Galveston. The incorporation with the university of the Texas Dental College under Dean F. C. Elliott has also been announced. Plans have been made for a graduate medical center at Houston to include cancer work sponsored by the M. D. Anderson Foundation, to be under the direction of Dr. E. W. Berger.

DR. HENRY A. CHRISTIAN, Hersey professor of the theory and practice of physic, emeritus, has been invited by the president and fellows of Harvard University to return to active duty to give clinical instruction. Also, he has been appointed visiting physician at the Beth Israel Hospital, Boston.

DR. NEIL E. GORDON, of Central College, Fayette, Mo., has been appointed head of the department of chemistry at Wayne University to fill the vacancy caused by the retirement of Frederick C. Irwin a year ago.

THE Moxon Medal of the Royal College of Physicians of London has been awarded to Professor L. G. Parsons for his observation and research in clinical medicine, especially in pediatrics; the Weber Parkes Prize to Professor G. S. Wilson for his work on tuberculosis, and the Murchison scholarship to Dr. Hector John Anderson (St. Thomas's).

THE honorary medal of the Royal College of Surgeons of London has been awarded to Lord Nuffield in recognition of his service in "assisting the improvement of natural knowledge and of the healing art and of his many liberal acts and distinguished labors inspired by the desire to advance the science and practice of medicine and surgery." The medal was instituted one hundred and forty years ago and this is the nineteenth occasion on which it has been awarded. The Gilbert Blane Medal was presented recently to Surgeon Commander Edward Rex Pascoe Williams for his original work on blast effects in warfare. This medal was founded in 1830 by Sir Gilbert Blane, a distinguished physician, known for sanitary reforms in the Navy and for successful measures for the prevention of scurvy. It is awarded annually to a medical officer in the Royal Navy for "skill, diligence, humanity and learning in the exercise of professional duties."

PROFESSOR KENNETH W. SPENCE, associate profes-

sor of psychology at Yale University, has become head of the department.

PROFESSOR ARIEL A. BENEDICT, of the department of physics of Iowa State College, has resigned to become head of the department of physics at Muskingum College.

PROFESSOR HOWARD M. FRY has been appointed head of the department of physics at Franklin and Marshall College.

IN the College of Applied Science of Syracuse University, Howard W. Eves, of the mathematics staff of the Tennessee Valley Authority at Chattanooga, Tenn., has been appointed assistant professor of applied mathematics, and Kenneth C. Tippy, of Chicago, has been appointed assistant professor of civil engineering.

DR. ARTHUR R. CARR, dean of the College of Engineering of Wayne University, has been appointed institutional representative of the Engineering Science Management War Training Program sponsored and financed by the government. This program includes sixty-three different tuition-free defense courses to be offered for the new semester by the departments of engineering, business administration and physics.

AT Cooper Union, New York City, Dr. Alfred Reis, who formerly engaged in research at the Sorbonne, has been made adjunct professor of metallurgy, and Professor John A. Ely, of the University of Hawaii, a former dean of engineering at St. John's University, Shanghai, has been appointed adjunct professor of civil engineering. Walter S. Watson, director of admissions and student relations, has been promoted to an associate professorship of psychology.

THE resignation is announced of Dr. Charles Hendee Smith, professor of pediatrics at the New York University College of Medicine.

DR. LAWRENCE T. ROYSTER, head of the department of pediatrics of the department of medicine of the University of Virginia, Charlottesville, has resigned.

THE retirement is announced of Professor W. Peddie from the Harris chair of physics at University College, Dundee, in the University of St. Andrews.

DR. CHARLES BYRON JOLLIFFE, assistant to the president of the Radio Corporation of America and chief engineer of the laboratories, has been appointed vice-president and chief engineer of RCA Manufacturing Company, Camden, N. J.

DR. HAROLD G. WOLFF has been appointed neurologist in charge of the new pavilion of the New York

Hospital for the study and treatment of neurological cases. Neurosurgery has been placed under the direction of Dr. Bronson S. Ray.

DR. TOM D. SPIES, on leave of absence as associate professor of medicine of the College of Medicine of the University of Cincinnati, is reported to have accepted an invitation to continue his experiments at the Hillman Hospital, Birmingham, for another year. A large part of his work in vitamins was carried out at the hospital. Plans are being considered to enlarge his laboratory facilities.

THE Near East Foundation announces that Professor O. S. Morgan, professor of agriculture at Columbia University, has left by plane for Beirut to expand the agricultural program of the foundation in Lebanon and Syria. He will make his headquarters at the American University of Beirut.

DR. FRANK E. EGLER, assistant professor at the New York State College of Forestry, Syracuse, has returned from Central America, where he has been engaged since February in studies on the sapodilla tree, source of chicle, and on rubber and antimalarial drugs.

DR. CARL R. FELLERS, research professor of horticultural manufactures at the Massachusetts Agricultural Station, has been called to active duty with the Chemical Warfare Corps of the Army.

THE following members of the faculty of Iowa State College have been called to service with the forces of the United States: Professor Jean C. Hempstead, department of general engineering, first lieutenant in the Engineers Corps at Maxwell Field, Ala.; Professor Charles G. Rowe, department of modern languages, lieutenant and language specialist in the Navy Language School, Cornell University; Professor Archie Higdon, department of theoretical and applied mechanics, major with the Army Air Forces at Jefferson Barracks, Mo.

It is reported in *Nature* that a panel has been set up in England to inquire into the possibility of improving the ventilation of tanks either by use of refrigeration or by air conditioning. It is constituted as follows: S. A. Wood, senior scientific officer, Scientific Research Department, Ministry of Supply; Dr. Dorey, chief engineer surveyor, Lloyd's Register; and Dr. Ezra Griffiths, principal scientific officer, Department of Physics of the National Physical Laboratory.

DRS. STUART MUDD, of the University of Pennsylvania, and Michael Heidelberger, of Columbia University, will participate on the evening of September 23 in a discussion on "Vaccines Against Enteric Infections as a War Problem" at the College of Physicians and Surgeons, New York. The discussion is the first of a series being arranged by the New York Bacteri-

ologists' War Research Projects Group to review bacteriological problems of current war importance in order to formulate research projects to be undertaken by members of the group. The group is an autonomous body originally formed through the efforts of the New York Branch of the American Association of Scientific Workers, which is planning to help to organize similar groups in other fields of science.

Archives of Biochemistry, a new journal in biochemistry, has been announced by the publishers, The Academic Press, Inc., 125 East 23rd Street, New York City. The first issue will appear about the middle of October. The purpose of the new journal is to provide a medium of publication for scientific papers in the widening scope of biochemistry. The fields to be represented are: Proteins, hormones, vitamins, viruses, enzymology, biochemical and biophysical research in chromosomes, metabolism, nutrition, photosynthesis, plant chemistry, organic chemistry as far as related to living organisms, colloid science in its biological applications and chemotherapy. The editorial board is composed of Professors M. L. Crossley, American Cyanamid Company, Bound Brook, N. J.; R. A. Gortner, University of Minnesota; F. C. Koch, Research Department of Armour and Company, Chicago; C. M. McCay, Cornell University; F. F. Nord, Fordham University; F. W. Went, California Institute of Technology, and C. H. Werkman, Iowa State College. Manuscripts may be sent to any of the editors or to the editorial office at 125 East 23rd Street, New York City. Two volumes per year are planned, the cost of each volume being \$5.50.

DEAN FRANCIS G. BLAKE, of the Yale School of Medicine, states that a large group of medical texts has been given by Dr. Joseph Marshall Flint to the historical library of the School of Medicine. At the same time, he announced the establishment of the John E. Lane Collection of prints, to be built up around a nucleus of 136 medical engravings given to the library by Dr. George Blumer, David P. Smith clinical professor of medicine, emeritus. Dr. Blumer is giving his collection of framed engravings of medical figures to the historical library. The John E. Lane Collection will include, in addition to Dr. Blumer's gift, the entire collection of prints belonging to the medical school, many of which came to the library through a bequest of Dr. Harvey Cushing, as well as all other prints which may be added in the future. The collection is named in memory of the late Dr. John E. Lane, who served as a clinical professor of dermatology from 1920 to 1923 and from 1930 to 1933.

DURING the summer term (1942) at Clark University a special war service training course in the field of geography has been conducted. In addition to the

regular members of the staff the work has been supplemented by the following visiting lecturers: Dr. Charles F. Brooks, of Harvard, in meteorology; Arthur Robinson, of the Cartographic Division, Office of Coordinator of Information; Richard Edes Harrison, cartographer for *Life* and *Fortune*; George B. Cressey, Syracuse University; Earl B. Shaw, Worcester State Teachers College. The work has been under the immediate direction of Wallace W. Atwood, Jr., associate professor of geography, who has taken charge of cartography, photogrammetry, field work

and map interpretation. President Wallace W. Atwood, Dr. Samuel Van Valkenburg, Dr. Clarence F. Jones and Guy H. Burnham have also contributed to the program. Special attention has been given to economic geography, the geography of the war zones and to training in geographic research. Several of those who have taken this work will soon go into active service. On September 21, a new group will be admitted for similar training for war service in geography. The demand for experts in this field is far beyond the present supply.

DISCUSSION

MODERN VOCATIONAL AGRICULTURE

"FORTY Years of Helping the Farmer with Knowledge," published in *SCIENCE* for June 5, is a frank and challenging article with much of which I can agree. However, it is distinctly misleading at certain points, particularly as it deals with agriculture in our secondary schools.

Modern vocational agriculture does not aim at holding all farm boys on the land. It assists in providing sound guidance regarding opportunities in farming and other agricultural occupations and then helps to train those who apparently will fare best if they follow these occupations.

Teachers of agriculture in the secondary schools do not confine their efforts to the teaching of boys. In 1940-41, the latest year for which I have data available, teachers of vocational agriculture in the United States taught 253,691 adults (exclusive of those enrolled in defense education classes) and 332,612 persons of high-school age. Enrolments in classes for adults are growing at a much more rapid rate than enrolments in high-school classes. Thus teachers of agriculture are already extensively engaged in working with people who are established in farming.

We recognize in vocational agriculture, as Dr. Chandler does, that experience in farming is the basic preparation for farming. We have found, however, that school instruction closely correlated with farming experience and some school supervision of farming experience make that experience much more valuable than farming alone can be. This combination of science with practice has proved most acceptable to the farming people of America, as shown by the rapid growth in the number of schools providing it and in the enrolments in the classes in agriculture in these schools. Approximately 9,000 high schools in the United States now offer vocational agriculture.

Teachers of agriculture are, in general, eager to keep in touch with the colleges of agriculture and their

extension services. Often it has been made very difficult for them to do so. These teachers want graduate courses in agriculture as well as in education, but they are not always able to get appropriate courses. They want other types of assistance, but some colleges of agriculture have chosen to give nearly all their help to the county agents, ignoring the teacher group.

Here at the University of Illinois three eighths of the graduates of the College of Agriculture go into the teaching of vocational agriculture. This group is regarded by the college as a very important group, both before and after graduation. Through this group, the college has one of its most important outlets to the state. Two men are employed full time in liaison work between the college of agriculture and the teachers of vocational agriculture to determine the subject matter needs of these teachers and to secure from the college the services they desire. County agents and teachers of vocational agriculture have grown up together, have been educated together and work together in their counties in the spirit of a large but closely knit family. This is to a considerable extent the situation in most states.

It is unfortunate that California, in which the relations between vocational agriculture and the college of agriculture are probably the poorest in any state, should be held up as an example. Vocational agriculture in California has from the beginning been so nearly ignored by the College of Agriculture of the University of California that it has been considered necessary to set up a completely separated program for vocational agriculture whose isolation from the college of agriculture Dr. Chandler deplors. In spite of the indifference of the College of Agriculture, vocational agriculture has thrived in California. Several other colleges of agriculture started out in the direction in which California's College of Agriculture has gone but have retraced their steps, so that California is now unique in its relationships between the agricultural college and vocational agriculture.