

periodicals of Germany, Italy and the invaded nations was either delayed or completely suspended. Subsequently some of this literature began to trickle through by way of Russia, Siberia and the Pacific. The outbreak of hostilities between Germany and Russia has shut off this last important means by which European publications can reach this country. Uncertain Lisbon alone is left. The scientists of Europe are likewise handicapped by the similar unavailability of scientific periodicals published in the Americas.

The abstracting journals remain almost the only means by which scientists of different nations may remain in effective contact. *Biological Abstracts* has been undertaking to compensate, so far as an abstracting journal can compensate, for this deficiency in the means of diffusing knowledge, by arranging to abstract the European literature as completely as is possible in these times. Some of our European collaborators are still active and a considerable number of current periodicals, apparently no longer available in libraries of the United States, are regularly being abstracted. Through the cooperation of the library of the Marine Biological Laboratory at Woods Hole and of the United States Department of Agriculture, special arrangements have been made for the abstracting of the foreign periodicals obtainable in these libraries. Through the courtesy of Dr. Stephen P. Duggan, director of the Institute of International Education, the cooperation of a group of Swiss biologists has been enlisted for the abstracting of German-language periodicals available in Switzerland and not in the United States. Correspondence is actively under way with biologists in the neutral nations with the aim of locating the publications in these nations and arranging for their regular abstracting.

At the present time some 1,400 periodicals are being reviewed in *Biological Abstracts*. This includes a group of about 300 periodicals, mainly European or Latin American, assigned during the course of this special drive for the better coverage of the foreign-language literature.

The editors of *Biological Abstracts* earnestly request that all biologists who are in a position to do so will aid in the abstracting of the European literature available to them. It is only by this means that, for the duration of the war, current research in biology can be brought effectively to attention. Any who are not now assisting in this way but are willing to do so are asked to communicate with Dr. Flynn.

#### CENSUS OF SCIENTIFIC AND SPECIALIZED WORKERS IN THE UNITED STATES AND IN OTHER COUNTRIES

In connection with the development of the National Roster of Scientific and Specialized Personnel, Presi-

dent Leonard Carmichael and Robert Shosteck report that it has become important to have for comparative purposes some statistical information concerning specialized personnel in countries other than the United States. From a number of points of view connected with national defense and cultural relations this information seems to be important. It will also be useful in demonstrating to American authorities the relationship between numbers of specialists and the effective defense level of various nations. Possibilities of international collaboration in the sciences may also first be determined in certain instances from such a table.

It has proved surprisingly difficult to secure information of this sort. Varied sources have been tapped to secure the incomplete data now in the Roster's file. These sources include censuses, professional directories and registries, yearbooks of various nations, professional society memberships as given in *Minerva*, and data secured by American diplomatic representatives in various nations. It is likewise recognized that some of this information may be inaccurate or somewhat out-of-date, as well as incomplete.

The data which have been compiled are available to readers of *SCIENCE*, who may obtain copies of the mimeographed report by application to the National Roster of Scientific and Specialized Personnel, Atlantic Building, Washington, D. C.

The authors will be grateful to readers of *SCIENCE* who may be in a position to amplify, correct or otherwise make suggestions concerning the preliminary tabulations contained in this report. Indications concerning the number of members in professional societies, persons registered in various professional or scientific fields, or other census figures for any particular country or professional occupation, would be acceptable. Possibly some readers may be willing to consult displaced foreign workers now in this country who may have information concerning this matter. All information in this field should be addressed to the authors at the address given above.

It must again be emphasized that the figures presented in the National Roster's tabulation are offered merely as a starting point for future corrections and additions. The data are arranged by fields for each country, and the source of all data is given on a supplementary sheet.

#### RETIREMENTS AT THE OHIO STATE UNIVERSITY

At the Ohio State University the following members of the faculty have retired with the title emeritus: Dean J. H. J. Upham, of the College of Medicine; Dr. William Lloyd Evans, chairman of the department of chemistry, and Dr. Joseph A. Leighton, chairman of the department of philosophy.

In appreciation of their work the Board of Trustees of the university passed the following resolutions:

*Of Dr. Upham:* Devoted to the maintenance and up-building of high standards in medical education and practice, his constructive career has won local, state and nation-wide recognition, as attested by his appointment to the deanship, by his former presidency of the Columbus Academy of Medicine, the Ohio State Medical Association and the American Medical Association; by his presidency-elect of the Ohio Public Health Association, and by his service as a member of the Ohio State Medical Board and of the National Board of Medical Examiners.

*Of Dr. Evans:* Beloved by students through the years as a teacher, effective, sympathetic and of contagious enthusiasm, esteemed by his faculty colleagues as one indispensable to the life and work of the university. Pro-

fessor Evans likewise shares eminence with the most distinguished research chemists of the nation. Awarded the coveted Nichols Medal of the American Chemical Society in 1929, his intensive investigations, especially in the field of the carbohydrates, have won notable commendation. His present service in the presidency of the American Chemical Society attests to leadership in his profession and signalizes a career of unusual productivity.

*Of Dr. Leighton:* Schooled in the classics, religion and philosophy, Dr. Leighton has occupied no ivory tower of recondite reflection, but has concerned himself energetically with the problems of the social order—bringing to the study of these problems, as a lecturer and teacher widely sought and as a writer widely read, the rich resources of scholarly competence and of penetrating philosophical interpretation. Dr. Leighton is a past president of the American Philosophical Association.

## SCIENTIFIC NOTES AND NEWS

DR. LUDVIG HEKTOEN, professor emeritus of pathology at the Rush Medical College and the University of Chicago, executive director of the National Advisory Cancer Council, received a citation on September 10 from the State Medical Society of Wisconsin during its annual session. This is the society's centennial award for distinguished service. The presentation was made at the annual banquet by Dr. Stephen E. Gavin, chairman of the council of the society. Dr. Hektoen was director of the John McCormick Institute for Infectious Diseases, Chicago, from 1901 to 1940.

HAVING reached the age of sixty-five years, Dr. Fred C. Koch, Frank P. Hixon distinguished service professor and chairman of the department of biochemistry of the University of Chicago, and Dr. Gilbert A. Bliss, Martin A. Ryerson distinguished service professor and chairman of the department of mathematics, retired with the title emeritus on October 1.

THE following have been appointed visiting professors at the School of Tropical Medicine at Puerto Rico: Colonel Alexander T. Cooper, U. S. A. Medical Corps, retired, military medicine; Dr. C. A. Wright, the U. S. Public Health Service, sanitary science; Dr. J. O. Dean, the U. S. Public Health Service, public health practice; Dr. David B. Dill, professor of industrial physiology, Harvard University, physiology; Dr. James A. Doull, professor of hygiene and public health, the Medical School of Western Reserve University, epidemiology; Dr. Thomas H. D. Griffiths, the U. S. Public Health Service, public health; Dr. William B. Porter, chief of medical service, the Medical College of Virginia, medicine, and Dr. William H. Taliaferro, dean of the division of the biological sciences, the University of Chicago, protozoology.

DR. WILLIAM CARSON VON GLAHN, associate professor of pathology at the College of Physicians and Surgeons of Columbia University, has been appointed professor of pathology at the College of Medicine of New York University, and has been made head of the department of pathology and laboratories at Bellevue Hospital. An agreement worked out between the city and New York University gives the university the privilege of nominating all members of the department of pathology of Bellevue Hospital and of the laboratory staff.

THE *Journal* of the American Medical Association states that Dr. Adolph Weinzirl, health officer of Portland, Ore., has been appointed director of the social hygiene fund and of a new department of public health at the Medical School of the University of Oregon, established recently by the will of the late Dr. Ellis C. Brown. Under its terms the director will spend a third of his time teaching in the university and the remainder in educational work throughout the state.

DR. FRANK D. BLOHM, of the Bangs Testing Laboratory of the Bureau of Animal Industry, has been appointed assistant professor of veterinary pathology at the Iowa State College.

GEORGE D. THORNTON, formerly assistant agronomist at the Georgia Agricultural Experiment Station, has been appointed assistant professor of soils and assistant soil microbiologist at the University of Florida. Dr. Lewis Rogers has returned to the university as associate soil biochemist after spending a year at Cornell University, where he completed the work for the doctorate in chemistry.

DR. LANCELOT HOGBEN, Regius professor of natural