

engineering training and are maintaining satisfactory academic records. This is not a recommendation for class deferment, but is a recognition of a temporary but critical phase of the manpower situation which requires prompt and decisive action to prevent serious crippling of the war program.

R. L. SACKETT

RARE CHEMICALS

THE following chemicals are wanted by the National Registry of Rare Chemicals, Armour Research Foundation, 33rd, Dearborn and Federal Streets, Chicago, Ill.:

1. 2-chloro, 3-nitro-phenoxy acetic acid
2. 2,4-dichloro-alpha-naphthalene
3. 2,4-dichloro-beta-naphthoxyacetic acid
4. Disilicon Hexachloride
5. Quinizarin 6 sulfonic acid
6. Quinizarin boric acid
7. 2-alpha-methyl indole
8. Cyclohexene oxide
9. 2-chloro-cyclohexenone
10. d-ribose-5-phosphoric acid
11. Phospho-erythronic acid
12. Oxalacetic acid
13. Cuprous Benzene Sulfonate
14. Glucose-6-phosphoric acid
15. Phosphopyruvic acid
16. Phosphoglyceric acid
17. Dihydroxyacetone phosphate
18. Creatine phosphate
19. Acetoacetic acid
20. alpha-Ketoglutarate

THE INTER-AMERICAN PROGRAM OF THE AMERICAN STANDARDS ASSOCIATION

TRADE and industrial development of the Americas will be furthered by a program of Inter-American cooperation on industrial and engineering standards which has just been launched by the American Standards Association, according to a statement made by P. G. Agnew, secretary of the association. Such standards are helping government and industry in the United States to speed up production, conserve materials and make substantial savings.

Latin American countries have already shown interest in North American standards and have asked the American Standards Association to supply them with further information.

National standardizing bodies are now in operation in three South American countries. The one in Argentina (Instituto Argentino de Racionalización de Materiales) has been operating a number of years and publishes a monthly magazine. The one in Brazil (Associação Brasileira de Normas Técnicas) has recently issued a volume of standards. The one in Uruguay (Instituto Uruguayo de Normas Técnicas) was formed a short time ago. In other Latin

American countries there are government departments and engineering societies doing similar work. Furthermore, there is a South American committee (Comité Sudamericano de Normas) to further standardization work in the ten South American republics.

Cyrus Townsend Brady, Jr., an engineer and sales executive who has spent many years in South America, will serve as the field representative for the American Standards Association. He is being given a year's leave of absence by the U. S. Steel Export Company for the purpose. His work will be supported by an Inter-American Division in the New York office of the American Standards Association, of which Alberto Magno-Rodrigues, who has been for many years in charge of the activities of several American manufacturers of machinery in the Spanish and Portuguese markets, is head.

In the new program the association will exchange technical data in the development and use of standards with the other American republics, give them information on the standardization work being done in the United States, and provide them with Spanish and Portuguese translations of standards which would be especially valuable in developing their industry. It is planned to provide interchange of technical data and information to enable all the countries of the Western Hemisphere to have standards as much alike as possible.

An advisory committee has been appointed under the chairmanship of R. E. Zimmerman, president of the association and vice-president of the U. S. Steel Corporation.

FELLOWSHIPS IN THE MEDICAL SCIENCES OF THE NATIONAL RESEARCH COUNCIL

FELLOWSHIPS in the medical sciences, similar to those which have been administered by the Medical Fellowship Board of the National Research Council since 1922, will again be available for the year beginning on July 1, 1943. These fellowships, supported by grants from the Rockefeller Foundation to the National Research Council, are designed to provide opportunities for training and experience in research in all branches of medical science. They are open to citizens of the United States or Canada who possess the degree of M.D. or Ph.D., and are intended for recent graduates who are not yet professionally established.

In addition to these fellowships the board administers two groups of research fellowships, made available through a grant from the National Foundation for Infantile Paralysis, Inc. The first group, open to applicants who hold either the Ph.D. or M.D. degree, is for the purpose of providing opportunities for special training and experience in the study of filtrable

viruses. The second group, open only to graduates in medicine who have completed one or more years of hospital experience in clinical surgery and are planning a career in orthopedic surgery, is designed to provide opportunities for training and research in those basic medical sciences which will be of particular value in furthering progress in the field of orthopedic surgery.

Fellows will be appointed at a meeting of the board

late in February. Applications to receive consideration at this meeting must be filed on or before January 1. Appointments may begin on any date determined by the board.

For further particulars concerning these fellowships, application should be made to the Secretary of the Medical Fellowship Board, National Research Council, 2101 Constitution Avenue, Washington, D. C.

SCIENTIFIC NOTES AND NEWS

THE *Times*, London, reports that the King of England has approved the recommendations of the Council of the Royal Society awarding royal medals for 1942 to Professor W. N. Haworth, F.R.S., for his fundamental contributions to organic chemistry, particularly to the constitution of the sugars and the structure of complex polysaccharides, and to Dr. W. W. C. Topley, F.R.S., for his outstanding work on experimental epidemiology and immunology. Awards of medals by the president and council of the society are: the *Copley Medal* to Sir Robert Robinson, F.R.S., for research work of outstanding originality and brilliance which has influenced the whole field of organic chemistry; the *Rumford Medal* to Dr. G. M. B. Dobson, F.R.S., for his outstanding work on the physics of the upper air and its application to meteorology; the *Davy Medal* to Professor C. N. Hinshelwood, F.R.S., for his distinguished work on the mechanism of chemical reactions; the *Darwin Medal* to Professor D. M. S. Watson, F.R.S., for his researches on primitive fishes and amphibians which have much advanced the knowledge of the evolution of these groups of animals; the *Buchanan Medal* to Sir Wilson Jameson, for his distinguished administrative service to hygienic science and practice; the *Hughes Medal* to Professor Enrico Fermi, for his outstanding contributions to the knowledge of the electrical structure of matter, his work in quantum theory and his experimental studies of the neutron.

JOSIAH K. LILLY, chairman of the board of Eli Lilly and Company, was presented with the Remington Honor Medal for 1942 "for his many accomplishments in the interests of pharmacy" at a dinner given on December 2 by the local branch of the American Pharmaceutical Association in New York City.

DR. HARRY N. HOLMES, professor of chemistry and head of the department at Oberlin College, president of the American Chemical Society, has been elected an honorary member of the Chemical, Metallurgical and Mining Society of South Africa.

It is reported in *Nature* that the Emil von Behring Prize, which is awarded by the University of Mar-

burg every two years for outstanding achievements in immunology, serum therapy and chemotherapy, has been presented to Professor Paul Uhlenhuth, professor of hygiene and bacteriology at the University of Freiburg-im-Breisgau.

At the seventh annual meeting of the Florida Academy of Science held at the University of Florida, Gainesville, on November 20 and 21, the following officers were elected for 1943: *President*, Robert B. Campbell, Tampa; *Vice-president*, T. H. Hubbell, University of Florida; *Secretary-Treasurer*, R. F. Bellamy, Florida State College for Women.

DR. JOHN BOSWELL WHITEHEAD, director of the School of Engineering of the Johns Hopkins University, has become professor emeritus.

DR. WILLIAM M. SMALLWOOD, head of the department of zoology at Syracuse University, will have leave of absence during the second semester prior to his official retirement in June. He has been a member of the faculty for forty-six years.

DR. RHEINART PARKER COWLES, professor of zoology at the Johns Hopkins University and for the past twelve years investigator in charge of the biological and hydrographical survey of the Chesapeake Bay, retired in September.

DR. LEE BONAR has been appointed chairman of the department of botany of the University of California at Berkeley. He succeeds Alva R. Davis, who is now a major in the Coast Artillery at Camp Callan, San Diego. Dr. Bonar has been associated with the university for the past twenty years.

THE chair of oil engineering and refining in the University of Birmingham, vacant by the death of Professor A. W. Nash, has been filled by the appointment of Dr. F. H. Garner, a graduate of the university. Dr. Garner was for many years chief chemist of the Anglo-American Oil Company.

DR. HAROLD P. BROWN, chairman of the department of chemistry of the University of Kansas City, has joined the staff of the Synthetic Rubber Division