the love and tributes from her many friends were always a source of wonder to her.

A completely rounded life was hers—full eighty years of leading toward that goal of Christian civilization that in the course of history, in spite of the setbacks of wars and periodic decadence, makes man go forward.

H. W. Y.

SCIENTIFIC EVENTS

CHANGES IN MEDICAL PRESCRIBING IN GREAT BRITAIN

A CORRESPONDENT of the London *Times* states that important changes in medical prescribing in Great Britain are recommended by an official medical committee composed of eminent members of the profession. The object of the recommendations is to support the government policy of avoiding the use of foreign currency, and also cargo space to bring to this country materials which are not sufficiently necessary to justify importation in war-time.

After surveying the drugs commonly used in medical practice, the committee has compiled a list of those which it considers are not essential. The attention of general practitioners, the pharmaceutical departments of hospitals and manufacturers of chemical preparations and proprietary articles is to be drawn to this list, with the recommendation that the drugs specified shall be prescribed and used sparingly.

Many of the items in the list of some seventy drugs are in frequent use, among them being the following: aconite, from Germany, Switzerland and France; balsam of tolu, from Colombia (South America); buchu leaves, from South Africa; agar, from Japan; calumba root and strophanthus seed, from Mozambique; cantharides, from U.S.S.R., Spain, Hungary and China; black catechu, from North Borneo; balsam cophiba, from northern South America; coriander seed, from Morocco, U.S.S.R. and Central Europe; cassia bark, from China; gelsemium root, from U.S.A.; gentian root, from France, Italy, Germany and Spain; witch hazel bark and leaves, from U.S.A.; jalap, from Mexico; krameria, from Peru; lobelia herb, from eastern U.S.A.; camphor oil, from Japan; psyllium seed, from Mediterranean countries; seneca root, from U.S.A., and tamarinds, from the West Indies.

The committee suggests substitutes which may be used in place of the drugs which it is undesirable to import in war-time. Adequate supplies of the substitutes are available, and in the opinion of the committee they possess therapeutic properties similar to the drugs which they will replace.

MEETING OF THE INDUSTRIAL RESEARCH INSTITUTE

THE Industrial Research Institute, Chicago, met on September 27 and 28, at Swampscott, Mass. Problems of industrial research management and of the design of research laboratories were discussed by some fifty active executives in this field. Following the meeting it was announced that an inventory would be made by member companies of the special facilities and key personnel of their research organizations in the interests of the national defense program. Nathaniel McL. Sage, director of the Division of Industrial Cooperation, Massachusetts Institute of Technology, was guest speaker at a dinner tendered the members of the institute and their guests by the United Shoe Machinery Corporation following inspection of the company's new research laboratory at Beverly, Mass. Mr. Sage discussed the administrative problems of educational institutions in the present defense emergency.

The Industrial Research Institute, an affiliate of the National Research Council, was organized several years ago for the purpose of improving efficiency and effectiveness in the management of industrial research, through cooperation of its members. The membership is composed of industrial concerns maintaining research laboratories as a part of their organizations. The executives in charge of research of the member-companies represent them in the activities of the institute.

The general meeting was preceded by a session of the Institute's Executive Committee on September 26. H. Earl Hoover, vice-president of the Hoover Company, Chicago, is chairman and presided. Other members of the committee attending were:

L. W. Wallace, director of engineering and research, Crane Company, Chicago, vice-chairman of the institute; H. W. Graham, director of metallurgy and research, Jones and Laughlin Steel Corporation, Pittsburgh, past-chairman of the institute; R. B. Colgate, director, Colgate-Palmolive-Peet Company, past-chairman of the institute, Jersey City; F. W. Blair, chemical director, Procter and Gamble Company, Ivorydale, Ohio; R. C. Newton, chief chemist, Swift and Company, Chicago; Maurice Holland, director, Division of Engineering and Industrial Research, National Research Council, New York, and Caryl P. Haskins, president, The Haskins Laboratories, New York.

At the business session the members voted to cooperate in a survey of special facilities and key personnel of their respective research organizations in the interest of the national defense program. Dr. Caryl P. Haskins was elected a member of the executive

committee. Announcement was also made of the election of Alexander Smith and Sons Carpet Company, Yonkers, N. Y., to membership in the institute, with A. G. Ashcroft, director of research, as its representative. It was also announced that the office of the secretary was being moved from New York to 8 South Michigan Avenue, Chicago, in order to be near that of the chairman, H. Earl Hoover, vice-president, The Hoover Company. Dr. Maurice Holland, director of the Division of Engineering and Industrial Research of the National Research Council, will continue to represent the institute at its New York office.

"UNLIMITED HORIZONS," A WEEKLY BROADCAST

"UNLIMITED HORIZONS," a new weekly broadcast series devoted to the physical sciences, will be heard over the Blue Network of the National Broadcasting Company beginning on Friday, November 1, at 11:30 P.M., Eastern Standard Time. The series will be presented in cooperation with the University of California, Stanford University and the California Institute of Technology.

The first program, "Science—Bane or Blessing?" will be a round-table discussion on science and its influence on society. Dr. Robert Gordon Sproul, Dr. Ray Lyman Wilbur and Dr. Robert A. Millikan, presidents of the three cooperating universities, will be the participants. The other broadcasts are:

November 8—"Heavenly Bodies"—Astronomy, featuring contribution to this science by the California Institute of Technology. Dr. J. A. Anderson, Dr. Edwin Hubble.

November 15—"The Klystron and Radio Beams"—The story of Stanford University Department of Physics' development of a new radio tube which has been a boon to the aviation industry. Professor David L. Webster, Professor William W. Hansen, Sigurd Varian and Russell H. Varian, research associates.

November 22—"Unearthing the Past"—Story of paleontology by the University of California. Description of prehistoric life. Short-wave pick-up from diggings in the slopes of Mount Diablo. Dr. Charles L. Camp and Professor Ralph W. Chaney.

November 29—"How to Cultivate Plants and Influence Growth." Department of Plant Nutrition at California Institute of Technology discusses Vitamin B—its discovery, development and present-day use. Dr. F. W. Went and Dr. James Bonner.

December 6—"Faults of the Earth"—Stanford's Department of Mechanical Engineering tells of earthquake research. Professor Lydik S. Jacobsen.

December 13—"The Science of Sound"—The Department of Physics of the University of California presents a discussion of the scientist's findings in the strange realm of sound. Dr. Vern O. Knudsen.

December 20—"Wings on Man"—Department of Aeronautics of Stanford and California Institute of Technology—meteorological development in relation to aviation. Professors Alfred S. Niles and Elliott G. Reid, of Stanford, and Dr. von Kármán, Professor Clark Millikan and Dr. Irving Krick, California Institute of Technology.

December 27—"Salmon Savers"—Stanford School of Biology tells of early work in conservation of salmon on Pacific Coast, and recent developments in the modern salmon pack. Professors Paul J. Beard and Willis H. Rich.

January 3—"Building by Breaking"—A description of the giant universal testing machine, which exerts a tension of three million pounds and compression of four million pounds, from College of Engineering, University of California. Dr. Raymond E. Davis.

January 10—"Cosmic Rays—What Next?"—Department of Physics, California Institute of Technology, discusses Dr. Robert A. Millikan's work on cosmic rays and the results of his recent trip to India in the study of this phenomenon. Dr. Robert A. Millikan.

January 17—"Millions to Burn"—From Ryan Laboratory of Stanford University Department of Electrical Engineering. A discussion of modern experiments in transmitting high voltage over long distances. Professors Fred E. Terman, Joseph S. Carroll and William G. Hoover.

January 24—"The Cyclotron and the Atom"—The world's greatest atom-smasher. From the Radiation Laboratory of the University of California, a description is given of the giant 225-ton cyclotron, now in full research program. Interviews with Dr. E. O. Lawrence, inventor; Dr. Donald Cooksey and staff associates.

ELECTION OF OFFICERS OF THE AMERICAN CHEMICAL SOCIETY

THE election of seventy-two chemists to administrative and editorial posts in the American Chemical Society has been announced by Dr. Charles L. Parsons, secretary of the society. Officers were chosen by seventeen of the professional divisions, as well as by the local section officers' group and the divisional officers' group. Editors and associate editors of five scientific publications were named, and a member of the Council Policy Committee was reelected.

Changes have been made in the names of two divisions. The Division of Microchemistry becomes the Division of Analytical and Micro Chemistry, and the Division of Paint and Varnish Chemistry will henceforth be known as the Division of Paint, Varnish and Plastics Chemistry.

The society, which now has approximately 25,300 members, has undertaken, as already reported in SCIENCE, a census of all chemists and their experience in the interest of national defense. Nearly 3,000 new members have been elected to the society during 1940.

Establishment of a new local section with headquarters in Cumberland, Md., and territory comprising Allegany, Garrett and Washington Counties in Mary-