

order by Chairman Army at Hotel Fort Des Moines, Des Moines, Iowa, on August 22.

Reports were presented by the chairmen of seven of the ten standing committees of the Research Conference, those reporting being:

<i>Committee</i>	<i>Chairman</i>
Standardization of U. S. P. and N. F. Pharmaceuticals.....	W. L. Scoville
Manufacture of U. S. P. and N. F. Chemicals .....	H. A. B. Dunning
Standardization of U. S. P. and N. F. Chemicals.....	C. H. LaWall
Sources of Identification of Botanic Drugs .....	H. W. Youngken
Standardization of Botanic Drugs.....	E. L. Newcomb
Chemistry of Drug Plants.....	W. O. Emery
Business Research in Pharmacy.....	Ambrose Hunsberger

A motion was passed directing the chairmen of these committees to act as a committee of ten to report back next year as to the advisability of rearranging the ten committees with the aim of avoiding duplication of work. Mr. Newcomb presented a resolution endorsing the Pharmacy Building Campaign and urging all members of affiliated bodies to subscribe to the fund. This resolution was passed by the conference by unanimous vote. A committee, consisting of Messrs. Day, Snow and Whelpley, then presented a minute of sorrow over the passing of Dean L. E. Sayre, an active supporter of the Research Conference since its organization. The minute was adopted by a rising vote.

The census of research of 1925 was approved and the chairman was directed to conduct a similar census in 1926. Slight changes in style of publishing the census were directed.

Acting-Secretary Krantz brought up the question of a book in popular style describing the research achievements of pharmacy. After animated discussion, the research conference endorsed the idea and directed the appointment of a committee to formulate plans and to submit the same to the American Pharmaceutical Association and other national bodies likely to be interested, with a request that these organizations undertake the publication of such a book. Under the topic "Research funds" attention was called to the American Pharmaceutical Association Research Fund, the recently created Remington Research Fund of the United States Pharmaceutical Convention and to the newly designed Ebert Medal which will replace the cash prize from the Ebert Fund awarded by the American Pharmaceutical Association each year for the best paper presented at the meeting of the association.

The nominating committee presented the following

names for officers for 1925-26: *Chairman*, H. V. Army, of New York; *Vice-chairman*, J. H. Webster, of Detroit; *Secretary-Treasurer*, J. C. Krantz, Jr., of Baltimore. The nominees were duly elected by the research conference.

The research conference adjourned to meet again, if possible, on the Saturday following the 1926 meeting of the American Pharmaceutical Association.

#### NATIONAL RESEARCH FELLOWSHIPS IN THE BIOLOGICAL SCIENCES

At its fall meeting, held in Wood's Hole, Massachusetts, on September 5, the board of National Research Fellowships in the Biological Sciences made four appointments, namely: Harry R. DeSilva in psychology, Walter N. Ezekiel in botany, L. J. Klotz in botany and Miss Nellie M. Payne in zoology. Also, Miss Helen Redfield, whose appointment did not begin until last January, was reappointed for a second year, to take effect January 1, 1926.

It is planned to hold the next meeting of the board toward the end of February or early in March instead of at the end of April as has been the practice heretofore. Applications for consideration at this meeting should be in the hands of the board not later than February 1, 1926. It is further anticipated that a second meeting for the year 1926 will be held in June rather than the following fall. Information and application forms for the fellowships may be obtained by addressing the secretary, Board of National Research Fellowships in the Biological Sciences, National Research Council, Washington, D. C.

FRANK R. LILLIE, *Chairman*,  
*Board of National Research Fellowships in the Biological Sciences*

#### SCIENTIFIC NOTES AND NEWS

MEMORIAL services for the late Dr. John Mason Clarke, formerly head of the New York State Museum and state paleontologist, will be held in connection with the sixty-first annual convocation of the University of the State of New York, at Albany, on October 15. The principal speaker will be Dr. Charles D. Walcott, secretary of the Smithsonian Institution. Charles B. Alexander, a member of the State Board of Regents, will preside and there will be other speakers, to be announced later.

DR. FRANK SCHLESINGER, director of the Yale Observatory, who went to Johannesburg to set up the Yale telescope, has returned to the university after an absence of nine months.

DR. HERBER D. CURTIS, director of the Allegheny Observatory, will sail from San Francisco on September 26, on his way to Sumatra, where he is going to observe the eclipse of January 14 next.

A TABLET was recently unveiled on one of the principal streets of Valencia in honor of Dr. Ramón y Cajal, the distinguished Spanish histologist, who shared with Golgi the Nobel prize in 1906.

PROFESSOR F. MEYER, of Königsberg, and Professor C. Runge, of Göttingen, both mathematicians, have retired from active teaching.

THE Indian government has selected Lieutenant-Colonel F. P. Mackie, director of the bacteriological laboratory of Bombay, and Drs. A. Souza and B. B. Brahmachari, assistant directors of public health in the United Provinces and Bengal, respectively, to take part in the tour in Japan this autumn of public health officers of the Far East. The tour is under the auspices of the League of Nations.

JOSEPH W. ROE, head of the department of industrial engineering at New York University, has been appointed by the administrative board of the American Engineering Council chairman of a committee to investigate the aviation situation in the United States. The council plans to raise \$100,000 for the work of the committee.

PROFESSOR G. PÓLYA, of the Zurich Technical School, has been awarded a Rockefeller traveling fellowship for a year's residence at Oxford and Cambridge.

EDWIN R. MARTIN, assistant professor of electric power engineering at the University of Minnesota, has resigned in order to enter the industrial power division of the Westinghouse Electric & Manufacturing Company at East Pittsburgh.

A. R. LAMB, chief in nutrition at the Iowa Agricultural Experiment Station, took charge of the research department and of the experimental farm for the Moorman Manufacturing Company at Quincy, Illinois, on September 1.

DR. J. W. GIDLEY, of the U. S. National Museum, has been detailed to the Bureau of American Ethnology to make a preliminary examination of a site in the vicinity of Lawton, Oklahoma, where mammoth teeth have been lately found, to determine whether human remains occur with these fossils and to ascertain to what geological formation they belong.

DR. KURT KONSTANTINOWSKY, lecturer in physics at the University of Vienna, Austria, and Hugo Sonnenfeld, chief engineer and general superintendent of the Cable Manufacturing Company, Ltd., Bratislava, Czechoslovakia, are at present on a tour of the United States with the purpose of studying American cable practices.

DR. E. AITKEN SEAGAR, lecturer in tropical hygiene and sanitation in the Imperial College of Tropical

Agriculture in Trinidad, B. W. I., has been spending a few weeks in the United States as a guest of the International Health Board of the Rockefeller Foundation.

DR. K. SUGIMOTO, a rice expert attached to the Tokio Nutrition Laboratory, is visiting the United States under the auspices of the Rockefeller Foundation.

A RUSSIAN scientific expedition headed by Professor Liebedev is to make a geological survey of Northwest Mongolia at the request of the Mongolian government. The expedition plans to continue the systematic survey of the country started in 1923 by M. Ratchkovsky.

PROFESSOR ALEXANDER FINDLAY, of the University of Aberdeen, addressed the Chicago section of the American Chemical Society on September 18, taking for his subject "The appeal of science to the community."

DANIEL RANKIN STEWART, late chief chemist to the Broxburn Oil Company and known for his work on the chemistry and technology of shale oil and petroleum, died on August 1, aged seventy-seven years.

THE death on July 29, at the age of eighty-seven years, is announced of Professor H. Hildebrand Hildebrandsson, the distinguished meteorologist who was formerly director of the Meteorological Observatory at the University of Upsala.

THE death was recently announced of Professor Oscar Brefeld, formerly professor in the University of Berlin and for fifty years a leader in modern mycology, at the age of eighty-six years.

THE general headquarters for the Interstate Post Graduate Assembly of America, which meets in St. Paul from October 12 to 16, will be the St. Paul Auditorium. We learn from the *Journal* of the American Medical Association that among the distinguished foreign speakers on the program will be Lord Dawson of Penn, London, England, personal physician to the king; Sir William Arbuthnot Lane, of London; William Blair Bell, professor of obstetrics and gynecology, University of Liverpool, England; Professor Vittorio Putti, Bologna, Italy; Dr. Henry L. McKisack, Royal Victoria Hospital, Belfast, Ireland, and Dr. W. H. Parkes, Auckland, New Zealand. There will be diagnostic clinics and discussions by prominent physicians in this country and Canada, and at the banquet there will be addresses by distinguished citizens from this and other countries. The hotel headquarters will be at the St. Paul Hotel.

THE President's Muscle Shoals Commission has been called to meet on October 1 and will remain in

continuous session until its report is completed. The commission, which is to make recommendations for the final disposition of the government's property at Muske Shoals, is composed of former Representative McKenzie, of Illinois, *chairman*; former Senator Dial, of South Carolina; Professor H. A. Curtis, of Yale University; William McClellan, consulting engineer, New York, and Russell F. Bower, of the American Farm Bureau Federation.

THE Eleventh International Congress of Hydrology and Climatology will be held at Brussels from October 10 to 14, under the presidency of Professor Gilbert, of Paris, and Dr. Terwange, of Brussels. The following subjects will be discussed: hydromineral and climatic treatment of cardiovascular affections, introduced by MM. Cottet-Mougeot and Piatot; hydromineral sulphur cure, introduced by MM. Flurin, Liacre and Lamorgue. The subscription is 50 francs for members of the congress and 25 francs for ladies accompanying them.

THE second session of the Australasian Medical Congress (British Medical Association) will be held in Dunedin, New Zealand, from February 2 to 9, 1927, in the new medical school at present under construction, and will be opened by Sir Charles Fergusson, Governor-General. The president of the congress is Dr. L. E. Barnett, emeritus professor of surgery in the University of Otago, and he will be assisted by an executive committee including Dr. D. E. Carmalt-Jones as honorary treasurer, Dr. W. P. Gowland as honorary general secretary, and Dr. A. M. Drennan as honorary associate secretary. The scientific proceedings will be conducted in twelve sections. Provision will be made for a trade exhibition of books, instruments, drugs, etc. Those desiring further information in regard to the congress and firms desirous of cooperating in this exhibition are requested to communicate with Dr. W. P. Gowland, honorary general secretary, Australasian Medical Congress, Dunedin, New Zealand.

AT the recent bi-centenary celebration of the Russian Academy of Sciences, Michael Kalinin, president of the Soviet Republic, announced that in recognition of the scientific work of the academy, the government had declared it a national institution of the Soviet Federation. He said that the world was interested in the work of the Russian scientific men, but that thus far its interest had been modest, due largely to the low standard of education which prevailed in Russia, but which the Soviet was rapidly remedying.

THE tropical Plant Research Foundation of Washington has undertaken an investigation of forestry problems in Cuba, with the support of the United Fruit Company and The Cuba Company. A survey

of portions of the Oriente Province will be begun by Dr. H. N. Whitford.

THE publication of a new *Archive of Eugenics* from the Galton Laboratory is announced by Professor Karl Pearson.

BETWEEN now and next spring thirty-nine million trees will be planted in Great Britain as part of the forestry department's program for restoring the rapidly disappearing forests. The department has planted 52,500 acres in trees. A new forest of 24,000 acres is being made out of waste land in Norfolk, which is being planted with fir and spruce.

THE Central Ethnographical Museum of Moscow is organizing two scientific expeditions. One of them will study the ethnography of the Eastern Finns, Mari, Vetiaks and Mordvans. Another expedition has gone to the Caucasus for similar studies in the Circassian and Kabardin-Balkan regions.

ROALD AMUNDSEN has made an agreement with Italy for the use of that nation's modern dirigible No. 1 for a polar flight next March. He has been in Rome recently conferring with Premier Mussolini, the under secretary of aeronautics of the ministry of war and other officials, and finally has completed the agreement, which is said to be advantageous to Italy, inasmuch as the dirigible will be manned largely by an Italian crew and pilots, although it will fly the Norwegian flag. The dirigible is already being put in commission for the trip, with slight modifications in the technical equipment, as suggested by Amundsen. The airship was built in 1924, is 348 feet long, 85 feet in diameter and holds 671,000 cubic feet of gas; and has an average speed of 62 miles an hour. It is driven by three 250 horsepower motors and will carry a cargo of eight tons. In addition to its crew it can carry about twenty passengers.

ACCORDING to *Nature* the Soviet of Commissars of the U. S. S. R. decided on July 28 that, for all foreign visitors invited to the celebration of the bicentenary of the Russian Academy of Sciences, arrangements should be made for free travel on all the railways and waterways of the union, for sleeping-cars on the direct communication routes, for seats, and for first-class cabin accommodation on all the sea and river steamers from August 15 until October 1. These facilities will depend on the production of a foreign passport, with the visa of the plenipotentiary representatives of the Union abroad, or of the general consulates of the U. S. S. R., with the inscription, "For the celebration of the Academy of Sciences." Besides free travel facilities, the production of a passport and visa thus inscribed also obtained

without waiting reserved seats in express trains and luggage transport. These passports were thus considered in the present case equal to the yearly certificates of members of the central executive committee of the U. S. S. R. Special reception committees at the frontier stations (including Odessa) met foreign guests proceeding to the celebration as soon as they disembarked and assisted in getting the necessary tickets or reserved seats without delay.

A BILL providing for "an inventory of the water resources of the United States" will be introduced at the forthcoming session of congress, according to the *Electrical World*. The proposed legislation authorizes the director of the United States Geological Survey to make this inventory for use in setting up a comprehensive plan "for developing both surface and ground waters for domestic and industrial supplies, irrigation, navigation, power and other uses and for the conservation and control of flood water." An appropriation of \$400,000 is sought for the first year's work and \$500,000 for each year for nineteen years thereafter. The purpose of the bill is to expand the work of the water resources division of the Geological Survey and vest in that agency, among other things, the authority to make a general survey of the country's streams. An ineffectual effort was made at the last session to obtain legislation which would have enabled the Federal Power Commission to make such a survey, using license fees for the purpose. The Power Commission and the Corps of Engineers, however, were directed to report to Congress the cost of such a survey.

A SCIENTIFIC deep sea expedition which left Hamburg in April recently arrived at Cape Town after a successful cruise. The expedition traversed the Atlantic between America and Africa fourteen times and succeeded in studying scientifically submarine currents. The claim is made that this is the first time this has been accomplished. Reports from the expedition declared that its investigation proved that warm currents from the north Atlantic flow at a considerable depth for a distance of about 2,000 miles south of the equator, where they rise to the surface. Similar currents from the southern polar regions pass northward. The waters of these currents were found to contain such forms of organic food as is sought by whales and certain other fish. The expedition, financed entirely by private subscription, is in charge of Dr. Metz, director of the Berlin Institute of Oceanography. It will proceed to the southern Polar regions, making Bouvet Island its base and sailing eastward from there.

At the 1924 meeting of the National Conference on Pharmaceutical Research the executive committee of that organization was directed to take a census of

pharmaceutical research. Accordingly a questionnaire was prepared for distribution and was sent to some 270 persons interested in pharmaceutical research. These question sheets brought returns which when tabulated recorded the names of 239 research workers who may be classified as follows: Hospital pharmacists, 3; retail pharmacists, 10; pharmacists, engaged in medical school and chemical school work, 16; governmental scientists doing pharmaceutical research, 19; non-pharmaceutical teachers and students doing pharmaceutical research (chiefly on the synthesis of medicinal chemical), 28; manufacturing pharmacists, 72; pharmaceutical teachers and their students, 91.

ACCORDING to *Eugenical News*, the Royal Academy of Science at Amsterdam has nominated a commission charged with the examination of the total physical anthropological status of the Netherlands. Professor Bolk, anatomist at Amsterdam, is chairman. The government has added to this commission the medical general-inspector of the navy and army. The commission has been divided into five sub-commissions—(a) historical anthropology, (b) head-index, (c) pigmentation, (d) length and (e) biochemical indices—and hopes to terminate the work in from four to five years.

### UNIVERSITY AND EDUCATIONAL NOTES

AN estate of \$550,000 was recently bequeathed to the University of Wisconsin by the late J. Stephen Tripp, of Prairie du Sac.

THE will of the late Charles W. Eaton, of Haverhill, gives the major portion of his estate, estimated at \$300,000, to the Massachusetts Institute of Technology, to be used for the advancement of the general purposes of the institution.

AN endowment fund of \$100,000 to maintain the surgical research laboratory in connection with the school of medicine of the University of Kansas is provided in the will of the late Mrs. Nellie S. Boylan.

PROFESSOR HENRY T. MOORE, head of the department of psychology of Dartmouth College, has been elected president of Skidmore College, Saratoga Springs, N. Y., to succeed the late Dr. Charles H. Keyes. Professor Moore was recently elected to a professorship at the University of Michigan, from which he is seeking a release.

DEAN HAROLD S. BOARDMAN, of the College of Technology at the University of Maine, has been elected acting president of the university to fill the vacancy caused by the resignation of Dr. Clarence C. Little.