

search Council, Washington, D. C., and was attended by radio engineers, professors, government scientists and others interested in research from all over the country. The American Section is one of the most active branches of this world-wide organization to promote research on the problems offered by radio waves. The officers of the Section are: *Chairman*, Dr. L. W. Austin; *technical secretary*, Dr. J. H. Dellinger; *corresponding secretary*, Dr. W. E. Tisdale. The president of the International Union is General G. Ferrié, head of the French Military Communication Service. The International Union is to have its triennial meeting in Brussels, Belgium, on July 7 of this year.

At the beginning of the meeting Professor A. E. Kennelly, chairman of the liaison and membership committee, explained the organization and stated that all persons interested in research on radio wave phenomena and related problems may become members. Every member is assigned to work on one of the technical committees. Professor Kennelly also presented a report briefly outlining plans for radio measurements by a number of laboratories during the solar eclipse of January 24.

Reports were presented by the chairmen of the section's five technical committees. Dr. J. H. Dellinger, chairman of the committee on "Methods of measurement and standards," spoke of the great increase of interest in radio measurements arising because so many people have gone into all phases of radio design and engineering and have found it essential to secure real measurements. There is outstanding progress in the accurate measurement of radio frequencies, which has attained international importance and popular as well as scientific interest because the reduction of interference in radio reception depends upon it. The work of numerous investigators and laboratories is providing means to give the necessary precision of measurement, constancy of adjustment and absolute accuracy of frequency basis. International comparisons of frequency standards have shown a very satisfactory agreement.

Dr. L. W. Austin, chairman of the committee on "Radio wave transmission phenomena" presented the report of that committee. The variations of the intensity of received signals from the high power station at Bordeaux, France, have been found to be the same in France and in the United States whereas no such correspondence in the received signals is found for measurements in the two countries on the transmitted waves from the high power station at Rocky Point, Long Island. In measurements on the strength of signals from European stations there is found a drop in signal strength just after the time of sunset in Europe.

Dr. A. H. Taylor reported work of the committee on "Variations of radio wave direction." It has been found that a shift of the apparent direction of the waves from long wave stations occurs at sunset. The direction shifts toward the east before sunset, returns to normal at sunset, and then usually shifts to the west.

Mr. E. F. W. Alexanderson presented the report of the committee on "Measurement of interfering radiation." A portable direct-reading instrument for field strength measurements has been developed. This instrument will make it possible to determine the precise amount of interference not only on the main wave of a station but in the side bands and harmonics. The use of a standardized direct-reading instrument of this kind will make it possible to obtain actual statistical data on interference produced by various radio stations and other sources.

#### MEETING OF THE ASSOCIATION OF AMERICAN MEDICAL COLLEGES

THE thirty-fifth annual meeting of the Association of American Medical Colleges will be held in Boston from March 5 to 7, the headquarters being at the Copley-Plaza Hotel. The program will be as follows:

THURSDAY, BOSTON CITY HOSPITAL, 9:30 A. M.

Medical sociology and environmental medicine, Charles P. Emerson, dean, University of Indiana School of Medicine.

Bearing of neuropsychiatry on public health problem, Albert M. Barrett, professor of neuropsychiatry, University of Michigan Medical School.

Education in preventive medicine in regular curriculum, Haven Emerson, professor of public health administration, Columbia University.

Teaching of preventive medicine, Samuel R. Haythorne, professor of pathology and bacteriology and director of hygiene, University of Pittsburgh School of Medicine.

2 P. M.

Address of president: The future practitioner, Ray Lyman Wilbur, president, Stanford University.

Correlation in the curriculum, Bernard F. McGrath, director of the surgical laboratories, and professor of principles of surgery, Marquette University School of Medicine, Milwaukee.

Teaching of obstetrics, J. M. H. Rowland, dean and professor of obstetrics, University of Maryland School of Medicine.

Teaching of physiotherapeutic measures, W. H. MacCracken, dean, professor and director, Detroit College of Medicine and Surgery.

FRIDAY, 8:30 A. M.

Practical demonstration in medical teaching at Harvard Medical School, Boston University School of Medicine and Tufts College Medical School.

## HARVARD MEDICAL SCHOOL, 2 P. M.

Remarks by A. Lawrence Lowell, Ph.D., president, Harvard University.

The honors course, Elias P. Lyon, dean, University of Minnesota Medical School.

"Full Time," Frederick T. Van Buren, Jr., associate dean, Columbia University College of Physicians and Surgeons.

The handling of the superior student, David L. Edsall, dean, Harvard University Medical School.

Cooperative education in medicine, Newton Evans, president, College of Medical Evangelists, Calif.

The curriculum, Fred C. Zapffe, secretary, Association of American Medical Colleges.

Importance of physical plant in the correlation of teaching in medicine, Raleigh R. Huggins, dean, University of Pittsburgh School of Medicine.

Better correlation of teaching of science branches with clinical subjects, Henry C. Tinkham, dean, University of Vermont College of Medicine.

Administration of hospital medical school, Thomas Orway, dean, Albany Medical College.

Promotion of friendliness between faculty and students, Walter L. Niles, dean, Cornell University Medical College.

An initiatory course for freshmen, Stephen Rushmore, dean, Tufts College Medical School.

The business session will be held at the Boston Medical Library, Saturday, March 7, at 9:30 P. M.

#### GRANTS OF THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE IN AID OF RESEARCH

By action of the Committee on Grants for Research of the American Association for the Advancement of Science the 1925 appropriation of \$3,000 for grants has been allotted as follows:

##### Mathematics.

Henry W. Stager, Seattle, Wash. Building computing machine for supplying needs for construction of a list of prime numbers and a factor table. \$250.

##### Physics.

E. K. Plyler, University of North Carolina. Spectrometer for researches in infra-red. \$250.

##### Astronomy.

A. O. Leuschner, University of California. Towards a study of perturbations of minor planets. \$300.

##### Geology.

G. R. Wieland, Yale University. Investigations for developing apparatus for cutting tough, elastic rocks. \$150.

##### Zoology.

Paul S. Galtsoff, U. S. Bureau of Fisheries. Investigations of development of sponges from dissociated cells. \$250.

S. O. Mast, Johns Hopkins University. Study of effects of chemicals on movement and response in amoeba. \$250.

##### Botany.

E. B. Babcock, University of California. Investigations in European herbaria regarding *Crepis*. \$300.

Josephine E. Tilden, University of Minnesota. Illustrative material to complete a monograph on brown algae of Pacific Ocean. \$125.

R. B. Wylie, University of Iowa. Continuation of studies in wound reactions of certain plants of the Pacific coast. \$150.

##### Anthropology.

*American Journal of Physical Anthropology*, endorsed by Section H. Aid toward publication. \$250.

##### Psychology.

Asa A. Schaeffer, University of Kansas. Continuation of study of tendency of man to walk spirally when orienting senses not functioning. \$100.

##### Anatomy.

L. T. Royster, University of Virginia Hospital. Continuation of studies on the sella turcica. \$100.

##### Paleo-Pathology.

Roy L. Moodie, University of Illinois School of Medicine. Material showing evidences of diseases of pre-Columbian Peruvians and Pleistocene mammals preserved in California. \$150.

##### Medical Biology.

Edward J. Wood, Wilmington, Del. Continuation of study of yeasts of mouth and intestine with reference to etiology of pernicious anemia. \$250.

Robert S. Breed, New York State Experiment Station, Geneva. Continuation of study of red chromogenic rods. \$125.

BURTON E. LIVINGSTON,  
*Permanent Secretary*

#### SCIENTIFIC NOTES AND NEWS

THE University of San Marcos, which was founded at Lima, Peru, in 1551, has conferred the honorary degree of *Doctor en Ciencias* upon the following North American delegates to the Third Pan-American Scientific Congress, which met in Lima from December 20 to January 6: A. F. Blakeslee, of the Carnegie Institution; Edward V. Huntington, of Harvard University; Robert Cushman Murphy, of the American Museum of Natural History; Wilson Popenoe, of the U. S. Department of Agriculture; Marshall H. Saville, of the Museum of the American Indian (Heye Foundation), and Albert Sauveur, of Harvard University.

THE Buchan prize of the Royal Meteorological Society was awarded to W. H. Dines, F.R.S., at the annual general meeting of the society on January 21. This is the first time that the prize has been awarded.

RICHARD H. BURNE, curator of the department of comparative physiological anatomy in the Museum of the Royal College of Surgeons of England, has been awarded the honorary medal of the college for "services rendered to the advance of biological knowledge."