

University of Alabama, for a study of certain culture-medium characteristics of ringworm fungi.

The Certificate of Merit to Dr. Vilray Papin Blair, St. Louis, for an exhibit of photographs and plaster casts showing various types of face restoration.

The committee also desires to give honorable mention to the following exhibitors:

Dr. K. M. Lynch, Dallas, Texas, for a study of the cultivation and differentiation of flagellate protozoa.

Drs. F. C. Mann and Alfred S. Giordano, Mayo Foundation, Rochester, Minn., for studies on the bile factor in pancreatitis.

Dr. Eugene Opie, Washington University, St. Louis, for a comparison of Roentgen ray records and gross pathologic specimens.

Miss Elizabeth Green, Barnes Hospital, St. Louis, for a demonstration of methods used in distributing books in hospitals.

THE ROME MEETING OF THE INTERNATIONAL GEODETIC AND GEOPHYSICAL UNION

SOME 300 delegates and guests attended the meetings at Rome, May 2 to 10, of the Geophysical Union and of the Astronomical Union. Every country belonging to the unions had sent one or more representatives. There were besides present representatives from other countries (the neutrals during the late war), which have already joined the International Research Council and are making preparations to join one or more of the unions. The delegates from the United States for geodesy and geophysics were: Bowie, Bauer, Kimball, Littlehales Reid and Washington. All of the sections reported well-attended, successful and stimulating meetings.

Among the special social features, abundantly provided for by the Italian National Committee, were the following:

May 2, 3 p.m.—Inaugural ceremony at the Campidoglio, at which H.M. the King of Italy was present.

May 4, 9 p.m.—Reception of the delegates at the Campidoglio by the municipality of Rome.

May 8, 3 p.m.—Visit to the Palatino at the invitation of the under-secretary of antiquities and fine arts.

May 10, 1 p.m.—Visit to the Vatican and audience with the Pope.

After the meetings, various special trips were arranged for. Thus on May 12 visiting delegates were entertained by the municipality of Florence.

The Sections of Seismology and Volcanology were definitely organized, as well as a new section of Scientific Hydrology.

Professor C. Lallemand was reelected president of the union for two terms. The next meeting of the union will be at Madrid in 1924.

LOUIS A. BAUER

SCIENTIFIC NOTES AND NEWS

DR. W. W. CAMPBELL, director of the Lick Observatory, has been elected president of the International Astronomical Union in succession to M. Baillaud, director of the Paris Observatory. The Astronomical Union held its triennial meeting in Rome in May and will hold its next meeting in Cambridge, England.

DR. RAY LYMAN WILBUR, president of Stanford University, has been elected president of the American Medical Association for the meeting to be held next year at San Francisco.

DR. LOUISE PEARCE, of the Rockefeller Institute for Medical Research, has been elected a corresponding member of the Société belge de Médecine tropicale of Brussels, Belgium.

THE John Scott Medal of the Worcester Polytechnic Institute was awarded at the commencement exercises to Elwood Haynes, head of the Haynes Automobile Company, in recognition of his discoveries in certain forms of high speed steels.

MR. GANO DUNN, president of the J. G. White Engineering Corporation of New York, has been elected a member of the board of trustees of Barnard College, Columbia University.

DR. F. ROSSI, of the University of Bologna, has been awarded the Garibaldi Franco-Italian prize offered by the French Surgical Society for his work on "War Wounds of the Thorax."

DR. E. PERRONCITO has reached the age limit and will retire from the chair of parasitology in the University of Turin. A celebration in his honor has been planned and subscriptions

will be received by the Perroncito Committee, via Nizza 52, Turin, Italy.

DR. NORMAN MACLEOD HARRIS, of Dalhousie University, has been appointed chief of the division of medical research of the Canadian Dominion Department of Health.

SIR THOMAS HENRY HOLLAND, F.R.S., formerly director of the Geological Survey of India and later professor of geology in Manchester University, has accepted the invitation of the governing body of the Imperial College of Science and Technology, London, to be rector from September 1 next, in succession to Sir Alfred Keogh, who is retiring under the age limit.

MR. D. D. BEROLZHEIMER, assistant technical editor of the *Chemical Engineering Catalog* and co-author of the *Condensed Chemical Dictionary*, has been appointed manager of the Information Bureau of The Chemical Catalog Co., Inc., and of that of the service department of *The Journal of Industrial and Engineering Chemistry*.

ELBERT A. WILSON has resigned as director of the Pyralin Research Laboratory of the E. I. DuPont de Nemours and Company to enter private practice as a consulting chemical engineer.

MR. HARRY E. RICE has severed his connection with the R. R. Donnelley and Sons Co., printers, of Chicago, where he has been employed for several years in the capacity of chemist. He is now in charge of research and development work for the American Printing Company, also of Chicago.

THE following have been appointed as the official delegates of the United States to the International Chemical Conference at Lyons: C. L. Parsons, *chairman*; E. W. Washburn, *vice-chairman and secretary*; R. B. Moore, H. S. Washington, Edward S. Chapin and Edward Bartow.

DR. LOUIS A. BAUER, after attending the meetings of the International Geodetic and Geophysical Union, sailed from Marseilles on May 19 for Australia, where he will inspect the Watheroo Magnetic Observatory of the Department of Terrestrial Magnetism. He expects to visit the magnetic observatories in

New Zealand and Samoa, returning to Washington early in September.

DR. AUGUST KROGH, professor of comparative physiology at the University of Copenhagen, who received the Nobel prize for medicine in 1920, will visit the United States in the autumn.

DR. LEONHARD STEJNEGER, of the U. S. National Museum, will spend the summer in the Commander Islands and other points of interest in and around Bering Sea. He expects to return in October.

DR. R. D. RANDS, for the past three years engaged in rubber disease research for the Dutch government at Buitenzorg, Java, has recently returned to this country and accepted an appointment as pathologist in the Office of Cotton, Truck and Forage Crop Disease Investigations, Bureau of Plant Industry. Dr. Rands will take charge of the department's work on diseases of beans, with headquarters in Washington.

THE *Journal of Industrial Chemistry and Engineering* reports that on May 10, the Society of Industrial and Micrographic Photography was organized at the Chemists' Club in New York. A further meeting to discuss and ratify the constitution and by-laws will be held on June 14. In the interim the following serve as an executive committee charged with preparing the constitution: *President*, James McDowell, Sharp and Hamilton Manufacturing Company, Boston; *secretary and treasurer*, Thomas J. Keenan, editor of *Paper*, New York; *vice-presidents*, J. H. Graff, Brown Company, Berlin, N. H., Bennett Grotta, Atlas Powder Company.

At the annual meeting of the Congress of Physicians and Surgeons of North America, Dr. Frank Billings, Chicago, was elected president. Presidents of societies meeting with the congress were elected as follows: American Association of Pathologists and Bacteriologists, Dr. Paul A. Lewis, Philadelphia; American Climatological and Clinical Association, Dr. Charles W. Richardson, Washington; American Laryngological, Rhinological and Otological Society, Dr. Dunbar Roy, Atlanta, Ga.; American Ophthalmological Society, Dr. William H. Wilmer, Washington, D. C.; American Bron-

choscopic Society, Dr. Samuel Iglauer, Cincinnati.

PROFESSOR LEWELLYS F. BARKER, of the Johns Hopkins University, will give the annual address at the tenth annual meeting of the Eugenics Research Association to be held at Cold Spring Harbor on June 10. His subject is "Heredity and the endocrine glands."

DR. WILLIAM H. WELCH, director of the School of Hygiene and Public Health, Johns Hopkins University, gave the commencement address at Bryn Mawr College on June 8.

DR. FREDERICK V. COVILLE lectured before the Gamma Sigma Delta of Kansas State Agricultural College on April 26 on "The influence of cold in stimulating the growth of plants." At Manhattan Dr. Coville spoke before the staff of the experiment station on "Acid tolerant plants" and related topics.

PROFESSOR R. B. MOORE, of the Bureau of Mines, delivered a public lecture on "The manufacture of helium by the government of the United States of America" at University College, London, on May 24. The chair was taken by Professor J. Norman Collie.

DR. JACOB G. LIPMAN, of the New Jersey Agricultural Experiment Station, who is now traveling in Europe, delivered two lectures in Paris recently, the first before the Académie d'Agriculture on the condition of agriculture in the United States, the other before the Société de Chimie Industrielle on the fertilizer industry in the United States.

DR. GEORGE E. DE SCHWEINITZ, retiring president of the American Medical Association, has accepted the invitation to deliver the Bowman Lecture in London, in 1923.

THE medical profession and allied scientific bodies of Philadelphia are arranging for a celebration of the centenary of Pasteur's birth on December 27.

EMERSON McMILLIN, a New York banker, who took an active interest in scientific work, died on May 31, at the age of seventy-six years.

JOHN ALLEN WYETH, founder and for forty years professor of surgery in the New York

Polyclinic, died of heart disease, on May 28, at the age of seventy-seven years.

ERNEST SOLVAY, distinguished for his process for the manufacture of soda, died in Brussels on May 26, at the age of eighty-five years. M. Solvay made large gifts for scientific and educational purposes.

DR. RENÉ BENOIT, former director of the International Bureau of Weights and Measures, corresponding member of the Academy of Science and of the Bureau of Longitudes, has died in Dijon at the age of 78.

A MEETING was held in Toronto on April 28, of which the result was a resolution to form a Canadian Metric Association. A temporary committee was formed to draft a constitution and inaugurate action toward more definite efforts to popularize the system for the benefit of science and industry.

THE Western Psychological Association announces the postponement of its annual meeting, originally announced to be held at Salt Lake City on June 22 and 23. A meeting will probably be arranged at Stanford University later in the summer.

THE New England Intercollegiate Geological Excursion will have as its leader for the coming fall Dr. Ernst Antevs, who has been carrying on the work of Baron de Geer since the return of the latter to Sweden. Dr. Antevs will demonstrate the field methods used by him to obtain a record of the retreat of the ice since the glacial epoch. The excursions will be held on October 6 and 7, and the geologists will begin their investigations at Springfield, Massachusetts, following the Connecticut River northward.

THE twelfth season of the Laguna Marine Laboratory of Pomona College will begin on June 21 and will last six weeks. Besides general classes in general biology and marine zoology, there will be opportunity for special investigators. Eight private laboratories are provided for individual work. Dr. W. A. Hilton will be in charge.

THE Division of Geology and Geography of the National Research Council has been informed by Professor Émile de Martonne, of

the Sorbonne, Paris, that he has undertaken to direct the publication of a collection of photographic albums of the French regions. About sixty albums of fifteen plates each are projected, each picture to be chosen by Professor de Martonne, and to have about four lines of descriptive text. A high-grade mechanical reproduction is contemplated. Each picture will be reproduced in the form of a lantern slide. The publisher is Baudinière, 23 rue du Caire, Paris.

UNIVERSITY AND EDUCATIONAL NOTES

DR. HOWARD M. RAYMOND has been appointed president of the Armour Institute of Technology, filling the office that was made vacant by the death of Dr. Frank W. Gunsaulus last year. Since the death of Dr. Gunsaulus, Dr. Raymond had been serving as acting president. He has been with the institute for twenty-seven years, and since 1903 he has been dean of engineering.

ARTHUR J. WOOD, professor of railway mechanical engineering, has been appointed to succeed Professor E. A. Fessenden as head of the department of mechanical engineering at the Pennsylvania State College. Professor Fessenden goes to the Rensselaer Polytechnic Institute.

DR. WALLACE CRAIG, professor of philosophy and psychology in the University of Maine, has resigned. He will spend a half year in Great Britain and Germany. Dr. H. M. Halverson, of Clark University, has been appointed professor of psychology in the University of Maine.

DR. CARROLL C. PRATT, instructor in experimental psychology at Clark University, has been appointed instructor in psychology at Harvard University, where he will be associated in the laboratory with Dr. Langfeld and Dr. Boring. Dr. Floyd H. Allport, instructor in psychology at Harvard has been called to an associate professorship at the University of North Carolina.

ASSOCIATE PROFESSOR JACOB O. JONES, of the department of mechanics at the University of Kansas, has been appointed associate professor of hydraulics in the College of Engineer-

ing and Architecture at the University of Minnesota.

DR. E. P. CHURCHILL has been promoted from the position of assistant professor of zoology in the University of South Dakota to the professorship of zoology.

DISCUSSION AND CORRESPONDENCE

THE THERMEL

IN the early literature thermoelectric generators were classified, regardless of use or character, according to the number of their parts, into thermocouples and thermopiles. Some years ago, when it became clear that thermoelectric thermometers of widely differing complexity were going to be frequently used interchangeably or in combination, it seemed desirable to have a single not too lengthy name for them. The word "thermoelement," though not fully satisfactory, seemed to be the only word in use which would answer, and was accordingly proposed, in a paper from this laboratory, as a shorter synonym for thermoelectric thermometer. Its rather wide adoption indicates that the idea of a single short name for all thermoelectric thermometers is generally welcome, but the somewhat equivocal term, thermoelement, has been the means of some confusion. Leading writers, even, have spoken of such things as "multiple *thermo-couples*," "thermocouple elements," "a multiple *thermo-couple* of four elements."

It therefore has seemed better to use the modified form "thermel." Logically, this may be taken as an abbreviation either of "thermoelement," or of "thermoelectric thermometer," both now in use. It is a handier word, even, than "thermometer" itself, and has received considerable approval. Since there appears to be, unfortunately, no authoritative body to which new terms can be referred for acceptance or rejection, we in this laboratory are taking the responsibility of using thermel in our publications, and recommend its general use. A thermel, then, may be a single thermocouple, or a *multiple thermel* or *thermopile*, containing more than one couple. Its distinguishing characteristic lies in being used for temperature