

Jewett, vice-president of the American Telephone and Telegraph Company, *chairman*; Professor Edwin F. Gay, of the economics department, and Dr. W. J. V. Osterhout, member of the Rockefeller Institute for Medical Research, to advise the president and fellows of Harvard College in making a selection among the investigations proposed by any member of the instructing, scientific or administrative staff of the university. The following have received grants for scientific research:

Irving W. Bailey, professor of plant anatomy, to study the cytology of living cambium and differentiated tissues.

Gregory P. Baxter, Theodore William Richards professor of chemistry, for two years, to enable him to continue a study of the temperature of the ice-point on the absolute scale.

Raoul Blanchard, professor of geography, to make in Eastern Canada a geographical inquiry from a human and economic point of view.

Percy W. Bridgman, Hollis professor of mathematics and natural philosophy, to enable him to continue investigations on the properties of matter under high pressure.

Emory L. Chaffee, professor of physics, and Theodore Lyman, director of the Jefferson Physical Laboratory, for an investigation of light sources and apparatus for isolating portions of the spectrum.

Lemuel R. Cleveland, assistant professor of protozoology, to permit him to study the relation of protozoa *in vivo* and *in vitro* to bacteria, and the life cycles of amebae.

William J. Crozier, professor of general physiology, for a study of the nature of central nervous processes.

Chester L. Dawes, assistant professor of electrical engineering, for a study of the electrical characteristics of ionized gas films.

William Duane, professor of biophysics, to continue researches on the physical properties of radiation, and on certain physical characteristics of living tissues.

Edward M. East, professor of genetics, for genetic researches on the genera *Nicotiana* and *Fragaria*.

Merritt L. Fernald, Fisher professor of natural history, to be used in connection with the further investigation of the relic floras of Newfoundland.

Norris F. Hall, instructor in chemistry, to be used to secure the services of an assistant and to pay for supplies to investigate the nature of acidity.

Leigh Hoadley, assistant professor of zoology, to study the early ontogenetic phenomena associated with embryonic segregation with special reference to vertebrates.

Grinnell Jones, associate professor of chemistry, to continue his investigation of the properties of solutions, inasmuch as moving his laboratory and technical difficulties have interfered with the original schedule.

Edwin C. Kemble, associate professor of physics, and Franzo H. Crawford, instructor in physics, to be spent for apparatus to continue the study of molecular spectra and the Zeeman effect in gases.

Alexander McAdie, director of the Blue Hill Observatory, to permit him to study the physics of the air, especially the thermodynamics of water vapor, and the quick determination of heights of cloud bases to enable aviators to get the speed of wind.

Noel Ewart Odell, lecturer on geology, to permit him to study dynamic metamorphism in Scotland and Scandinavia preliminary to a research on static metamorphism in mountain regions in the Canadian Rocky Mountains.

George H. Parker, director of the zoological laboratory, to permit him to spend six weeks at a marine laboratory in Florida or Bermuda, to study color changes in the skins of semi-tropical fishes.

Frank A. Pattie, Jr., instructor in psychology, to study the gregarious instinct in chickens through observations of their behavior when hatched in isolation.

Harlow Shapley, director of the Harvard College Observatory, to enable him to continue research on variable stars and the dimensions of the galaxy.

Derwent S. Whittlesey, assistant professor of geography, to enable him to study the chorography of a coastal locality in northern New England in order to make comparisons with the upland interior visited in 1926.

TESTIMONIAL TO DEAN KIMBALL, OF CORNELL UNIVERSITY

A TESTIMONIAL volume has been presented Professor Dexter S. Kimball, dean of the College of Engineering of Cornell University, by the Schenectady Section of the American Institute of Electrical Engineers. The presentation was made after Dean Kimball had delivered the fifth annual Steinmetz Memorial Lecture at Schenectady on March 8.

The lectureship was founded in 1925. The four previous lectures and their subjects were Dr. Michael I. Pupin, "Law, Description and Hypothesis in the Electrical Science"; Dr. Ernst J. Berg, "The Solution of Transient Phenomena by Elementary Mathematics"; Dr. Robert A. Millikan, "Spectroscopic Prediction," and Dr. Max Mason, "Substitutes for Experience."

The testimonial given Dean Kimball was in the form of a parchment book, bound in blue morocco, with a hand-tooled inscription. The fly-leaf, as well as the testimonial page, is hand-lettered and beautifully illuminated.

The inscription reads:

In honor of Charles Proteus Steinmetz his friends and admirers have endowed the annual Steinmetz Memorial Lectures which are delivered by eminent scientists and engineers under the auspices of the Schenectady Section of the American Institute of Electrical Engineers.

The testimonial:

THIS TESTIMONIAL
IS PRESENTED TO
DEXTER SIMPSON KIMBALL
DEAN OF THE
COLLEGE OF ENGINEERING
CORNELL UNIVERSITY
WHO ON MARCH 8TH, 1929,
DELIVERED THE FIFTH ANNUAL
STEINMETZ MEMORIAL LECTURE
ON
MODERN ENGINEERING ECONOMICS

THE PACIFIC DIVISION OF THE AMERICAN ASSOCIATION FOR THE ADVANCE- MENT OF SCIENCE

THE thirteenth annual meeting of the Pacific Division of the American Association for the Advancement of Science is to be held at the University of California on its Berkeley campus from June 19 to 22, according to the announcement of the executive committee. Seventeen of the thirty-one societies associated with the Pacific Division have arranged sectional programs, in addition to the general program of the association.

The Pacific Division prize, an award of \$100, is announced for an important scientific contribution reported at this meeting. This is the first time that this prize, announced at the Pomona College meeting last summer, will have been awarded.

Officers of the Pacific Division of the American Association for the Advancement of Science are: *President*, Walter S. Adams, Mount Wilson Observatory, Pasadena; *vice-president*, Ernest G. Martin, Stanford University; *secretary-treasurer*, Arthur G. Vestal, Stanford University; *executive committee*, S. J. Barnett, Roy E. Clausen, L. B. Loeb and J. H. Moore, University of California; J. O. Snyder, Stanford; O. F. Stafford, University of Oregon, and Bernard Benfield, consulting engineer, San Francisco.

The Southwestern Division of the American Association for the Advancement of Science will hold its session jointly with the Pacific session, this being the fourth meeting of this kind.

Professor T. D. Beekwith is chairman of the general committee on arrangements, appointed by President W. W. Campbell, of the University of California. Subcommittees on local affairs, reception and entertainment and excursions have been appointed.

SCIENTIFIC NOTES AND NEWS

THE presentation of the John Fritz medal recently awarded to President Hoover will be made officially at a dinner at the White House on April 15. The

medal represents the highest award of the four great national engineering societies in mining, mechanical, electrical and civil engineering. It was awarded to President Hoover not in recognition of any single achievement but on the basis of his entire record.

DR. ARISTIDES AGRAMONTE, of Havana, the only surviving member of the yellow fever commission to Cuba, is one of those on whom congress has conferred a gold medal, carrying the award of merit and an annual pension, "for past service far above and beyond the call of duty."

THE American Institute of Mechanical Engineers has joined with the American Society of Electrical Engineers in recommending to the Institution of Civil Engineers of Great Britain that the Kelvin medal be awarded to Professor Arthur E. Kennelly, of Harvard Engineering School, for his research in fields so widely explored by the late Lord Kelvin. The award, which is given every three years, was created in 1902 to commemorate Lord Kelvin's researches in ocean telegraphy and electrical measuring devices. The Institution of Civil Engineers of Great Britain accords the American engineering societies the privilege of nominating persons to receive the award.

MANCHESTER UNIVERSITY proposes to confer an honorary degree of doctor of science upon Sir Ronald Ross in recognition of his work in the prevention of malaria. It is proposed that the degree shall be conferred at the university's commemoration of Founder's Day on May 15, which is two days after his seventy-second birthday.

THE degree of doctor of science will be conferred by the University of Dublin in July on Dr. Francis William Aston, F.R.S., of Trinity College, Cambridge.

DR. ADOLF SCHMIDT, formerly director of the meteorological magnetic observatory at Potsdam, and Dr. Hans Spemann, professor of zoology in the University of Freiburg (im Breisgau), have been elected corresponding members of the Prussian Academy of Sciences, and Dr. Edwin Schroedinger, professor of theoretical physics, has been elected to membership.

DR. MAX VON LAUE, professor of theoretical physics in the University of Berlin, and Dr. Arnold Sommerfeld, professor of theoretical physics in the University of Munich, have been elected honorary members of the Leningrad Academy of Sciences.

SEVEN members of the new Italian Academy in the section of mathematics and physical sciences have been appointed by the king of Italy as follows: Professor Filippo Bottazzi, who for many years occupied