Interstate Snow Survey Conference, *chairman in charge of arrangements*, George D. Clyde, Utah State Agricultural College, Logan; Western Society of Naturalists, *president*, G. H. Ball, University of California, Los Angeles; Western Society of Soil Science, *president*, L. C. Wheeting, State College of Washington, Pullman.

ELECTIONS TO FELLOWSHIP OF THE ROYAL SOCIETY

ELECTIONS to fellowship of the Royal Society, London, on March 19 are as follows:

Burn, J. H., professor of pharmacology, Oxford; formerly dean of the College of the Pharmaceutical Society; distinguished for his work in physiology and pharmacology and on the principles and methods of biological standardization.

Burnet, F. M., assistant director of the Walter and Eliza Hall Institute for Medical Research, Melbourne; distinguished for his researches in bacteriology, especially on avian and mammalian viruses.

Dixon, M., lecturer in biochemistry, Cambridge; distinguished for his work on tissue respiration and respiratory catalysis.

Dodds, E. C., professor of biochemistry, Middlesex Hospital Medical School; distinguished for his investigations in biochemistry in relation to physiology and medicine and especially in the synthetic production of oestrogenic agents.

Fage, A., principal scientific officer, Aerodynamics Department, National Physical Laboratory; distinguished for his contributions to the experimental study of aero- and hydrodynamics, particularly in relation to turbulent flow.

Fairley, N. H., consulting physician in tropical diseases; Colonel, A.A.M.C.; physician and director of special research, Hospital for Tropical Diseases, London; distinguished for his researches in tropical medicine.

Hall, P., university lecturer in mathematics, Cambridge; distinguished for his contributions to pure mathematics, particularly in the theory of groups.

Hanes, C. S., senior scientific officer, Low Temperature Research Station, Cambridge; distinguished for his researches in botany and biochemistry, and particularly for the first enzymatic synthesis of starch.

Henderson, G. H., professor of mathematical physics, Dalhousie University, Halifax; distinguished for his work in radio-activity and particularly in the investigation of pleochroic haloes.

Hilditch, T. P., professor of industrial chemistry, Liverpool; distinguished for his work on the chemistry of natural fats.

Hindle, E., regius professor of zoology, Glasgow; distinguished for his work in parasitology, and on the cytology of artificial parthenogenesis.

Holmes, A., professor in geology, Durham; distinguished for his work in petrology and the applications of radio-activity to geological problems.

Newitt, D. M., assistant professor in chemical technology, Imperial College, London; distinguished for his work on high pressure technology and for his researches on combustion.

Paterson, C. C., director of the Research Laboratories, General Electric Company, Wembley; distinguished for his work in promoting physical and industrial research.

Roberts, J. K., assistant director of research, Colloid Science Laboratory, Cambridge; distinguished for his investigations by physical methods on adsorption and other surface phenomena of importance in catalysis.

Skinner, H. W. B., Wills research fellow and lecturer in spectroscopy, Bristol; distinguished for his work on the x-ray spectroscopy of the solid state leading to results of importance in the theory of the structure of metals.

Thoday, D., professor of botany, Bangor; distinguished for his researches in plant physiology, particularly those dealing with photosynthesis, causal anatomy and the water relations of plants.

Todd, A. R., professor of chemistry, Manchester University; distinguished for his researches in organic chemistry, notably the synthesis of vitamin B_1 and other natural compounds of physiological importance.

Trueman, A. E., professor of geology, Glasgow; distinguished for his work in paleontology, particularly on the molluscan faunas of the coal measures.

Wilson, A. H., university lecturer in mathematics, Cambridge; distinguished for his contributions to the electronic theory of solids and for his work on the properties of metals.

MEDAL DAY AT THE FRANKLIN INSTITUTE

TWO men whose contributions to science have had their influence upon our war industries were among those honored by the Franklin Institute at the annual Medal Day exercises on April 15.

Dr. Jerome Clarke Hunsaker, general coordinator of the Naval Research and Development Board and chairman of the National Advisory Committee for Aeronautics, received the Franklin Medal for his distinguished contributions to aeronautical research and development. Dr. Hunsaker designed the NC type of flying boat which made aviation history on its transatlantic flight in 1919. He also designed the *Shenandoah*, the first large airship to be built in this country, and has played a conspicuous part in the later developments of technical advancement of aviation.

A second Franklin Medal was presented to Dr. Paul Dyer Merica, vice-president of the International Nickel Company of Canada. Dr. Merica has received world-wide recognition for his work in the hardening of alloys and in the development of heat treatment of alloys, so that they have an increased usefulness in the industrial field. His preeminence in the field of metallurgy is as much due to his success in adapting many alloys to commercial purposes as to his discovery of the principle of precipitation hardening, a principle of the utmost importance in these days when alloys find a multitude of applications in diversified war industries.

Honorary membership of the institute was conferred upon Senator George Wharton Pepper "in

consideration of his inspiring leadership in the movement to reincarnate in our time the homely virtues" of Benjamin Franklin.

Pure science was recognized in the awards of the Elliott Cresson Medals to Dr. Claude S. Hudson, of the National Institute of Health, and to Dr. Isidor I. Rabi, of Columbia University. The former thus receives recognition for his distinguished investigations into the chemistry of sugars, which has greatly enriched our knowledge of the subject. Dr. Rabi receives the award for the development of the Rabi magnetic resonance method of investigating the nucleus of the atom.

Awards of the Longstreth Medal, for an ingenious construction of a thread grinding machine, were made to Ralph E. and Ernest V. Flanders and to Charles Maxwell Kearns for the application of methods for measuring strains in aircraft propellers under flight conditions.

The frequent uses of concrete in structural work gives importance to the research of Duff A. Abrams, who discovered the fundamental bases for concrete and reinforced concrete mixtures. Mr. Abrams received the Frank P. Brown Medal in recognition of his work.

Three Howard N. Potts Medals were awarded: To Dr. Jesse W. Beams, for his contributions to the problems of high-speed rotation which have met with many applications in the development of ultra-high-speed centrifuges; to Harcourt C. Drake, for the development of a rail fissure detection car which has done much to reduce loss of life and property on railroads, and to Dr. Bernard Lyot, the French astronomer, for his method of studying the sun's corona in the absence of a total eclipse.

The Louis E. Levy Medal for the best paper to appear in the *Journal of The Franklin Institute* has been awarded for the year 1941 to Dr. John Donovan Strong, of the California Institute of Technology, for his paper entitled "On a New Method of Measuring the Mean Height of Ozone in the Atmosphere."

Certificates of Merit were awarded to the Goodyear Tire and Rubber Company for their production of an improved safety tire; to Dr. John J. Grebe, inventor of an ingenious metal sun blind, and to Walter Larkin, of Philadelphia, for an admirable design of a circular knitting machine.

The awards were presented by Charles S. Redding, president, at the meeting of the Franklin Institute on April 15. Senator George Wharton Pepper spoke on "Franklin as a Guide in Our Affairs of To-day" at the annual dinner, which was held in the evening.

SCIENTIFIC NOTES AND NEWS

PROFESSOR FREDERICK G. KEYES, head of the department of chemistry and director of the research laboratory of physical chemistry at the Massachusetts Institute of Technology, has been awarded the 1942 Theodore William Richards Medal of the Northeastern Section of the American Chemical Society for "distinguished achievement in chemistry."

THE annual medal of the American Institute of Chemists, awarded for "outstanding service to the science of chemistry and the profession of the chemist in America," will be presented on May 16 at the Claridge Hotel, Atlantic City, N. J., to Professor William Lloyd Evans, emeritus professor of chemistry at the Ohio State University, president in 1941 of the American Chemical Society.

DR. LEO LOEB, emeritus professor of pathology at the School of Medicine of Washington University, St. Louis, was presented on March 3 with the Award of Merit and Gold Medal of the St. Louis Medical Society.

RENO H. SALES, chief geologist of the Anaconda Copper Mining Company, Butte, Mont., has been awarded for distinguished engineering achievement the 1942 Egleston Medal of the Columbia University Engineering Schools Alumni Association. It will be presented to him at the seventy-first annual dinner of the alumni on April 23.

THE honorary doctorate of laws was conferred on February 23 on commemoration day at the Johns Hopkins University on Dr. Ross Granville Harrison, chairman of the National Research Council and Sterling professor of biology, emeritus, at Yale University; on Dr. Frank R. Lillie, emeritus professor of zoology and embryology at the University of Chicago, and on Dr. Henry A. B. Dunning, director of the research laboratory and president of Hynson, Westcott and Dunning, Inc.

PROFESSOR C. LOVATT EVANS, F.R.S., Jodrell professor of physiology at University College, London, has been elected an honorary member of the Sociedad Argentina de Biologia.

IT is stated in *Nature* that the Committee of the Athenaeum, London, under the provision which empowers the annual election of a certain number of those of distinguished eminence in science, literature or the arts, or for their public services, has elected to membership Professor P. M. S. Blackett, Langworthy professor of physics, University of Manchester, and T. D. Kendrick, keeper of British and Medieval Antiquities, British Museum.