

Besides those mentioned above, the teaching staff will include the following: Franklin DeR. Furman, dean of the Stevens Institute of Technology; H. W. Harold, architect, Pittsburgh; Frederic G. Higbee, the State University of Iowa; Randolph P. Hoelscher, University of Illinois; George J. Hood, University of Kansas; Harvey H. Jordan, University of Illinois; A. E. Lofberg, Westinghouse Electric and Manufacturing Company, East Pittsburgh; Clair V. Mann, Missouri School of Mines; Henry W. Miller, University of Michigan, and author of the recent book on the famous German gun "Big Bertha"; P. J. Reich, American Bridge Company, Ambridge, Pa.; Robert L. Sackett, dean of the School of Engineering, Pennsylvania State College; Charles H. Schumann, Jr., Columbia University; William G. Smith, Northwestern University; Carl L. Svensen, Texas Technological College; William D. Turnbull, the Ohio State University; Frank M. Warner, University of Washington, and William E. Wickenden, president of the Case School of Applied Science.

The summer school is under the immediate direction of Harry P. Hammond, head of the department of civil engineering, Brooklyn Polytechnic Institute. Professor Frederic L. Bishop, of the University of Pittsburgh, is secretary of the society.

AWARD OF THE DANIEL GUGGENHEIM MEDAL FOR AERONAUTICS

THE second Daniel Guggenheim gold medal for notable achievement in aeronautics has been awarded to Dr. Ludwig Prandtl, professor at the University of Göttingen, Germany, "for pioneer and creative work in the theory of aerodynamics." Dr. Prandtl is one of the world's most eminent authorities on aerodynamics and other sciences underlying the art of aviation. He is also well known as an investigator and teacher of the laws of mechanics, thermodynamics and the flow of fluids, particularly air and other gases.

Last fall, Dr. Prandtl traveled eastward from his home city as a delegate to the World Engineering Congress in Japan at the end of October and the beginning of November. He presented an important paper at this congress. After the congress, he crossed the Pacific Ocean to the United States. He stopped at a number of our universities on his homeward journey, beginning with Stanford University and the University of California. He returned home in March, completing the trip around the world.

Dr. Prandtl visited New York in February and on that occasion was entertained at dinner at The Engineers' Club by a group of forty American engineers. Following the dinner he delivered an address before the Metropolitan Section of The American Society of

Mechanical Engineers. Dean George B. Pegram, of Columbia University, presided at the dinner. Dr. Elmer A. Sperry, past-president of The American Society of Mechanical Engineers and vice-president of the Daniel Guggenheim Medal Board, introduced Professor Prandtl on the occasion of his address.

Dr. Prandtl was born on February 4, 1875, at Freising, Germany, and attended the technical high school in Munich. He has been professor at the University of Göttingen since 1904. He has received many honors, among them the Great Gold Medal of the Royal Aeronautical Society of England in 1927 and the Grashof Medal of the Verein Deutscher Ingenieure in 1929. More than any other one man he stands out as the "father" of the present aerodynamic theory. He has written many treatises on subjects related to aviation and is a widely respected authority.

The members of the board which made the award are: *American*—W. F. Durand, E. P. Warner, Elmer A. Sperry, Arthur Nutt, Howard E. Coffin, Paul G. Zimmermann, E. E. Aldrin, Emory S. Land; *Foreign*—Griffith Brewer, England; Johann Schuette, Germany; Giulio Costanzi, Italy; Baron Chuzaburo Shiba, Japan. Dr. Rateau, of the Société Française de Navigation Aérienne, died before the ballot was cast.

The first award of the Guggenheim Medal for notable achievement in aeronautics was made to Orville Wright a year ago and the medal was presented to him in Washington on April 8 in connection with the celebration of the fiftieth anniversary of The American Society of Mechanical Engineers. This society is one of the two American organizations from which members of the Medal Corporation are chosen, the other being the Society of Automotive Engineers. In addition, five foreign organizations are represented on the board of award, one each in England, France, Germany, Italy and Japan.

The medal was founded in 1927 by the Daniel Guggenheim Fund for the Promotion of Aeronautics, of which Mr. Harry F. Guggenheim, now ambassador to Cuba, was then president. At the annual meeting on May 7 the following officers were elected: *President*, William B. Stout, representing the Society of Automotive engineers, president of the Stout Air Service; *Vice-President*, Captain E. E. Aldrin, manager, Aviation Department of the Standard Oil Development Company; *Secretary and Treasurer*, Alfred D. Flinn, director of the Engineering Foundation; *Executive Committee*, the president, Captain Aldrin and Mr. E. P. Warner, editor of *Aviation*.

A. D. F.

THE RETIREMENT OF THE PRESIDENT OF THE UNIVERSITY OF CALIFORNIA

PRESIDENT WILLIAM WALLACE CAMPBELL, who, on commencement day nearly one year ago, announced

that he purposed to retire from the active service of the University of California 14 months later, on July 1, 1930, will resume his residence on Mount Hamilton, following his retirement from the presidency of the university three months hence.

William H. Crocker, chairman of the board of regents, by the authority of the regents, recently extended to President Campbell the invitation of the board that he continue to serve as director of Lick Observatory and as an astronomer in Lick Observatory from and after July 1, 1930, and until, two years hence, he should attain the age of seventy years.

President Campbell was unable to accept this valued invitation to remain in active service, with responsibilities for the directing of the observatory and for the continuous pursuit of astronomical research as an active astronomer. He felt that his decision, as publicly announced in May, 1929, was a wise one; but he informed the regents through Chairman Crocker that he would be greatly pleased to continue his residence on Mount Hamilton, with principal purpose to renew his astronomical studies and to continue them so long as his physical health and mental vigor should justify.

It has been in accord with his most ardent desires that he possess the privilege of taking up again his astronomical work at the Lick Observatory, under the auspices of the University of California. The regents accordingly, and by unanimous vote, determined that following his retirement on July 1, 1930, he should bear the titles, president emeritus of the University of California, director emeritus and astronomer emeritus of the Lick Observatory.

The regents further invited President and Mrs. Campbell to occupy the residence on Mount Hamilton which was built for them in 1894, and in which they resided continuously from that date until they came to the president's house in Berkeley in 1923, and to which in the past seven years they have frequently returned for short stays. However, and largely in consequence of their period of residence in the mild

climate of the Berkeley campus, they will probably not be in actual residence on Mount Hamilton during the winter months, where the storms are frequently severe.

AWARDS OF THE FRANKLIN INSTITUTE

THE medal meeting of the Franklin Institute, Philadelphia, will be held on the afternoon of May 21. On this occasion honorary membership will be conferred on Dr. Mortimer Elwyn Cooley, dean emeritus of the College of Engineering of the University of Michigan, and on Dr. Henry Leffmann, of the Franklin Institute. The Certificate of Merit will be presented to Heyman Rosenberg, of the Parker-Kalon Corporation, New York City. Medals will be presented as follows: *Longstreth Medals* to Ervin George Bailey, Fuller-Lehigh Company, Fullerton, Pennsylvania, and to Charles Weyl, assistant professor of electrical engineering, University of Pennsylvania; the *Wetherill Medals* to Charles Sumner Chrisman, West Chester, Pennsylvania, and to William Nicholson Jennings, Philadelphia, Pennsylvania; the *Levy Medal* to Dr. Floyd Karker Richtmyer, professor of physics, Cornell University; *Henderson Medals* to George Hannauer (posthumous award), represented by George Hannauer, Jr., Chestnut Hill, Massachusetts; Edgar Marvin Wilcox, Hannauer Car Retarder Company, Gibson, Indiana; the *Clark Medal* to Henry Latham Doherty, Cities Service Company, New York City; *Cresson Medals* to Norman Rothwell Gibson, The Niagara Falls Power Company, and to Irving Edwin Moulthrop, The Edison Electric Illuminating Company, Boston; the *Franklin Medals and Certificates of Honorary Membership* to Dr. John Frank Stevens, former chief engineer of the Panama Canal, and to Sir William Henry Bragg, director of the Royal Institution of Great Britain. The two Franklin medalists will present papers. Dr. Stevens will speak on "A Momentous Hour at Panama" and Sir William on "The Meaning of the Crystal." A dinner in honor of the medalists will be given in the evening at the Bellevue-Stratford Hotel.

SCIENTIFIC NOTES AND NEWS

PROFESSOR EDMUND BEECHER WILSON, of Columbia University, and Professor Sir John Bretland Farmer, of the Imperial College of Science and Technology, have been elected honorary fellows of the Royal Microscopical Society, London.

DR. L. O. HOWARD, on the nomination of the Entomological Society of Washington, has been elected an honorary member of the Washington Academy of Sciences. This action was taken in recognition of his

distinguished contributions to entomology, his intimate connection with scientists and scientific work in Washington and his services to the academy as member and officer since its foundation.

THE Trudeau Medal for meritorious service will be awarded to Dr. Henry Sewall, of Denver, according to an announcement made at the opening meeting at Memphis, Tennessee, of the convention of the National Tuberculosis Association.