

following statement of the number of individuals who have made application to the bureau for positions and the number of laboratories and other institutions which have applied for men forms an interesting comment upon the activities of this bureau and of the service which it is rendering to the departments of physiology, biochemistry, pharmacology and pathology in the country. The figures which are given for the years between 1924 and the present time indicate a steady growth in the services of this organization. As will be seen by consulting the tables, there was a steady growth until the year 1929.

Academic year	Positions open	Positions wanted
1924-25.....	14	17
1925-26.....	23	29
1926-27.....	18	14
1927-28.....	40	41
1928-29.....	47	48
1929-30.....	70	90
1930-31.....	43	151
1931-32.....	20	150

The sharp rise in 1929 was due to increased publicity secured by placing cards in the programs which were sent to all members of the federation. Again in 1930 there was quite a marked increase in the number of applicants, due to the wider publicity given its activities.

For the past two years this number has been practically uniform, about 150 men and women who desire positions or changes of location having written in. On the other hand, the institutional demand has dropped off, due, of course, to the curtailment of institutional and laboratory activities owing to the necessity for retrenchment in expenses.

At the meeting of the federation, which was held in Philadelphia, Dr. H. B. Lewis, of the University of Michigan Department of Physiological Chemistry, was elected to succeed Dr. Edmunds in the directorship of this bureau, and he has now assumed the work so that future applications should be sent to him instead of to Dr. Edmunds.

APPROPRIATIONS FOR GRANTS-IN-AID BY THE NATIONAL RESEARCH COUNCIL

At its June meeting, the National Research Council's Committee on Grants-in-Aid made thirty-four grants for the support of individual research, as follows, from sixty-four applications received:

J. S. Foster, professor of physics, McGill University, observations on the flash spectrum of the total solar eclipse, August 31, 1932, and investigations of the Stark effect; Curtis R. Haupt, instructor in physics, Pomona College, the probability law for electron impact in mercury vapor; Harold Osterberg, research assistant in

physics, University of Wisconsin, the elastic vibrations of crystal plates; Joel Stebbins, director, Washburn Observatory, University of Wisconsin, the amplification of photoelectric currents with the thermionic tube; Karl S. Van Dyke, professor of physics, Wesleyan University, the piezo-electric effect.

Richard H. Frazier, assistant professor of electrical engineering, Massachusetts Institute of Technology, the precise determination of the specific heats of various metals; Gleason W. Kenrick, assistant professor of electrical engineering, Tufts College, statistical studies of field intensities in the low frequency region of the radio spectrum.

John G. Aston, assistant professor of chemistry, Pennsylvania State College, the heat capacities of simple organic nitrogen compounds; W. L. Beuschlein, professor of chemical engineering, University of Washington, the hydrogenation of coal in various dispersion media; Barnett F. Dodge, associate professor of chemical engineering, Yale University, the solubility of gases in liquids at high pressures, and equilibria in organic chemical reactions at high pressures; E. C. Gilbert, professor of chemistry, Oregon State Agricultural College, the thermochemistry of hydrazine and its compounds; Robert Taft, associate professor of physical chemistry, University of Kansas, the micro-structure of metals.

Edward W. Berry, professor of paleontology, the Johns Hopkins University, the fossil plants of Wankie, Rhodesia; Walter H. Bucher, professor of historical geology, University of Cincinnati, completion of the geological mapping of the Wells Creek Basin in Tennessee; Marius R. Campbell, principal geologist, U. S. Geological Survey, evidence of rock folds due to lateral pressure in the North Atlantic Coastal Plain; C. H. Crickmay, assistant professor of geology, University of Illinois, the geologic structure and stratigraphy of Mt. Jura, California; Paul H. Dunn, fellow in geology, University of Chicago, the correlation of Silurian strata in the Mississippi Valley; John B. Leighly, assistant professor of geography, University of California, meteorologic observations in the Marquesas Islands; Evans B. Mayo, instructor in mineralogy and petrography, Cornell University, the regional geology of the area of the eastern slope of the Sierra Nevada, south of Mono Lake, California; B. E. Warren, professor of physics, Massachusetts Institute of Technology, determination of the structure of feldspars by means of x-rays; Alfred O. Woodford, professor of geology, Pomona College, the characteristic longitudinal profile of water courses.

Clarence A. Mills, professor of experimental medicine, University of Cincinnati, temperature adaptation in animals; Robert A. Moore, instructor in pathology, Western Reserve University, the relation of disease of the prostate gland to senescence; Charles W. Turner, associate professor of dairy husbandry, University of Missouri, the hormones stimulating the growth and physiological activity of the mammary gland.

Henry Borsook, assistant professor of biochemistry, California Institute of Technology, the heat of combustion of organic compounds of physiological importance; Charles Chupp, professor of plant pathology, Cornell

University, the taxonomy and relationships of the fungus genus, *Cercospora*; L. R. Cleveland, assistant professor of protozoology, Harvard University Medical School, the protozoa of termites and roaches from Java and Ceylon; Margaret C. Ferguson, research professor of Botany, Wellesley College, a cytological and genetical study of *Petunia*; J. Douglas Hood, professor of biology, University of Rochester, the Thysanoptera of Trinidad and of Northeastern America.

Frances Densmore, collaborator, Bureau of American Ethnology, Smithsonian Institution, tribal songs of Indians of the Gulf States; Melvin R. Gilmore, curator of ethnology, Museum of Anthropology, University of Michigan, the ethnological significance of botanical

specimens from the Indian Pueblos of the Rio Grande Valley, New Mexico.

J. E. Evans, professor of psychology, Iowa State College, the relation between the reaction time and skill of automobile drivers; John A. McGeech, professor of psychology, University of Missouri, the relation between retroactive and reproductive inhibition.

Applications to be considered at the next meeting of the Committee on Grants-in-Aid must be filed with the committee before October 15, 1932.

W. H. HOWELL,

Chairman, National Research Council

SCIENTIFIC NOTES AND NEWS

SIR JOSEPH LARMOR will retire from the Lucasian professorship of mathematics in the University of Cambridge on September 30. He will be succeeded by Dr. Paul Adrien Maurice Dirac, fellow of St. John's College.

PROFESSOR E. F. BURTON, of the department of physics at the University of Toronto, has been appointed head of the department and director of the McLennan Physics Laboratory, to succeed Professor J. C. McLennan, who retired on June 30.

THE University of Oxford conferred the honorary degree of D.C.L. on Lord Moynihan on the occasion of the delivery of the Romanes Lecture. The subject of the lecture was "The Advance of Medicine."

SIR GEORGE NEWMAN will deliver the Harveian Oration of the Royal College of Physicians, London, on October 18.

DR. MAX PLANCK, professor emeritus of theoretical physics at the University of Berlin, received recently a Goethe Medal from the German Government.

DR. CARL E. CORRENS, director of the Kaiser Wilhelm Institute for Biology, has been awarded the Harnack Medal of the Kaiser Wilhelm Association.

THE Bisset Hawkins Gold Medal of the Royal College of Physicians, London, has been awarded to Dr. T. H. C. Stevenson, for work when superintendent of statistics in the office of the Registrar General.

SIR HENRY S. WELLCOME recently visited for the first time the new buildings of his alma mater, the Philadelphia College of Pharmacy and Science. Preceding a luncheon given in his honor, Sir Henry placed a wreath on the grave of Dr. W. W. Keen. In the afternoon, at the college, he was presented with a facsimile reproduction of his graduation thesis and replicas of the molds and models that accompanied it. He plans to place these in the London museum which he founded.

THE American Society of Clinical Pathologists has elected to honorary membership Charles Achard, professor of clinical medicine in the Faculty of Medicine, member of the Institute and the Academy of Medicine, Paris; Charles F. Craig, Colonel U. S. Army, Retired, director of the department of tropical medicine, Tulane University, and Dr. E. C. Dodds, Courtauld professor of biochemistry in the University of London and chemical pathologist to the Middlesex Hospital.

AT the annual meeting of the American Society for Testing Materials the following officers were elected: Mr. Cloyd M. Chapman, consulting engineer, as president (1932-1933); Mr. William H. Bassett, metallurgical manager of the American Brass Company, as vice-president (1932-1934), and the following as members of the executive committee (1932-1934); Messrs. H. A. Gardner, J. O. Leech, J. T. MacKenzie, J. C. Ramage and H. S. Vassar.

ON the occasion of the retirement of Alvin Frank Linn from the chair of chemistry at Wittenberg College, a luncheon was given in his honor by the faculty at which a tribute was presented to him transcribed on a plaque in the style and manner of the medieval illuminators.

DR. D. H. MENZEL, assistant astronomer at the Lick Observatory of the University of California, has been appointed assistant professor of astrophysics at Harvard University.

DR. C. D. LEAKE, professor of pharmacology at the University of California, has been given the additional title of librarian of the State Medical Library.

DR. A. A. SCHAEFFER has been appointed chairman of the department of biology in Temple University.

PROFESSOR GIUNIO SALVI, who holds the chair of normal human anatomy, has been chosen rector of the University of Naples.