

Necrology

MARION MYER JACOBSEN, Albany, N.Y.; 51; clinical psychologist; former member of the faculty of Washington University Medical School in St. Louis, Mo.; 8 Nov.

HAROLD W. MERRITT, Wood Ridge, N.J.; 57; retired professor of physics at Cooper Union School of Engineering, New York, N.Y.; 8 Nov.

ARTHUR F. ST. ANDRE, Whippany, N.J.; 41; senior research chemist at Ciba Pharmaceutical Products; 24 Oct.

HORATIO B. WILLIAMS, Greenwich, Conn.; 78; physiologist; professor emeritus at Columbia University; 1 Nov.

Education

■ A research center for fundamental studies of skin diseases is under construction at the Stanford University School of Medicine in San Francisco. Establishment of the Stanford Dermatology Research Laboratories will be financed by funds totalling \$115,000 from public and private sources. University property adjacent to the medical school is being remodeled for the purpose, and the laboratories should be ready for use in December.

Eugene M. Farber, head of the division of dermatology at Stanford, will direct the new research center, which will consist of laboratories for skin pathology, experimental mycology, and cutaneous physiology. The first of these three laboratories will be named the Herbert L. Harband Skin Pathology Laboratory in memory of a young Stanford graduate who died earlier this year. Members of his family have made available a fund of \$30,000 for construction and operation of the pathology facilities.

A grant of \$75,000 from the U.S. Public Health Service and \$10,000 in gifts from various private donors completed the \$115,000 fund needed to get the center started. This amount will cover costs of construction, equipment, staff, and research for at least 3 years.

■ George N. Shuster, president of Hunter College, and C. P. Rhoads, director of the Sloan-Kettering Institute, have jointly announced a new graduate program for the training of laboratory associates in the biological sciences. This program, which is to be initiated in February 1956, is designed to assist in alleviating the acute shortage in personnel qualified for positions in research laboratories and to serve the interests of individuals who desire further training in this area. It will be offered by the science faculties at Hunter College with the co-operation of some of the faculty of the

Sloan-Kettering Division of Cornell University Medical College at the Sloan-Kettering Institute.

A grant from the Alfred P. Sloan Foundation makes it possible to initiate this venture. This program is open to qualified college graduates who have majored in the sciences. Courses offered during the first semester will include an introduction to biophysical methods, mammalian physiology, microbiological and blood techniques, problems of microbiology, modern problems in zoology, and advanced blood chemistry. There will also be an opportunity for a practical internship.

Two graduate assistantships paying \$750 each are available to students who are prepared to study full time. Course fees are \$10 per credit. Individuals interested in the program may secure further information from the Office of Admissions of Hunter College, 695 Park Ave., New York 21, N.Y.

■ The University of Rochester has announced that tuition in the School of Medicine and Dentistry has been increased from \$800 to \$900.

■ The Institute for Cardiovascular Research of the Hahnemann Medical College and Hospital held open house ceremonies on 31 Oct. for preview display of its new research laboratories in the Mary Bailey Building, which is adjacent to the hospital.

■ The Institute of Statistics at North Carolina State College is sponsoring a 7-day intensive short course in "Statistical methods for research workers in industry and the physical sciences" 12-18 Feb. 1956. This program is designed to acquaint research workers in industry and the physical sciences with modern techniques of statistical analysis and experimental design.

Three lecture series will be given, one on elementary statistical analysis, one on regression analysis, and the third on experimental design. Guest lecturers will include W. G. Cochran, Johns Hopkins University; S. L. Crump, University of Rochester; and J. S. Hunter, American Cyanamid Company.

A registration fee of \$100 will be charged and enrollment will be limited to the first 50 applicants. For further information write to Institute of Statistics, North Carolina State College, Box 5457, Raleigh, N.C.

Grants, Fellowships, and Awards

■ The National Science Foundation will extend its fellowship awards program during 1956 to include approximately 40 senior postdoctoral fellows in life and

physical sciences and closely allied fields. Under the broadened program fellowships will be awarded in mathematical, physical, medical, biological, engineering and other sciences, including anthropology, psychology (other than clinical), geography, and certain interdisciplinary fields.

To be eligible for the new awards, candidates must be citizens of the United States with demonstrated ability and special aptitude for advanced training and productive scholarship in the sciences. In addition, candidates must have at least 5 years experience beyond the science doctorate or its equivalent.

Fellows will be selected on the basis of ability as evidenced by letters of recommendation, academic records, and other evidence of attainment. Successful competitors will be announced in March 1956. Stipends of from \$4000 to \$10,000, adjusted to match as closely as is feasible the regular salaries of the award recipients, may be applied toward study or research in an accredited nonprofit institution of higher learning in the United States or abroad.

Applications may be obtained from the Division of Scientific Personnel and Education, National Science Foundation, Washington 25, D.C. Completed material must be received by 16 Jan. 1956.

■ The Educational Testing Service, Princeton, N.J., has announced that it is offering two fellowships in psychometrics for 1956-57. These are renewable research fellowships that provide for training in the Princeton offices of the Educational Testing Service in addition to a full-time program of graduate work for the Ph.D. degree at Princeton University in psychological measurement, mathematics, and allied fields.

Students in the program are offered a broad training in various fields of psychology, including experimental, social, and theoretical. Special training is also given in modern quantitative methods as applied to problems in learning and attitude measurement as well as in the techniques of developing aptitude and achievement tests.

Suitable undergraduate preparation may consist either of a major in psychology with supporting work in mathematics, or a major in mathematics with some work in psychology. However, in choosing fellows primary emphasis is given to superior scholastic attainments and demonstrated research ability rather than to specific course preparation.

To be considered for a fellowship in psychometrics, a candidate must either (i) have taken the Graduate Record Examinations in 1955; or (ii) register by 6 Jan. to take these examinations on 21 Jan. Fellowship applications are closed on 6 Jan. 1956.

■ The Lalor Foundation has announced details of the 1956 series of summer awards that it is granting for research in the biological sciences. There are to be 40 of these awards, an increase of 30 percent over 1955. They are designed to go to younger members of college and university faculties, with an age limit of 40 years.

The Lalor faculty summer research awards are for advanced research that employs chemistry or physics to attack problems in any field of biology. The studies may be carried on at any institution of the award holder's choice.

Stipends ordinarily will not exceed \$900 for a single man or woman, \$1100 for a married person working at his home institution, or \$1200 for a married person whose principal program is at another institution. Transportation costs and other expenses must be met by the candidate.

For the last several years the Lalor Foundation has supported a number of postdoctorate summer fellowships at the Marine Biological Laboratory at Woods Hole, Mass. Now, however, the M.B.L. fellowships are being consolidated into the enlarged program, and it is suggested that men and women interested in work at Woods Hole and eligible under the faculty summer award plan, should consider submitting applications under that newer plan.

Inquiries should be addressed: Director, Lalor Foundation, 4400 Lancaster Pike, Wilmington 5, Del. Final date for receipt of completed applications is 14 Jan. 1956, and notification regarding appointment may be expected by 15 Mar.

■ Continuing a program that began in 1951, the National Foundation for Infantile Paralysis will again offer fellowships during the calendar year 1956 for medical students interested in vacation-time study. The dean of each approved medical school in the United States has been asked to nominate six candidates for these awards: two for research in the biological and physical sciences related to medicine; two for public health and preventive medicine; and two for physical medicine and rehabilitation. Students must have completed 1 year in medical school to be eligible for the research fellowships and 2 years for each of the other types of awards.

Fellowships provide for full-time consecutive study during a period when the student has a minimum of 8 weeks of free time. The stipend paid will be \$200 a month for a minimum of 2 months and a maximum of 3 months.

During 1955, 77 schools participated in this program and 309 students received fellowships for vacation study. Since 1951, 824 medical student fellowships have been awarded.

Students interested in fellowships of this type should apply to the deans of their respective schools who will provide the necessary application forms. These must be submitted to the National Foundation for approval before the program begins. Six to 8 weeks should be allowed for administrative action by the National Foundation.

■ The National Science Foundation has announced 225 grants that amount to about \$3.46 million that were awarded during the quarter ending 30 Sept. for the support of basic research in the natural sciences, for conferences in support of science, and for exchange of scientific information. This is the first group of awards to be made during fiscal year 1956. Since the beginning of the program in 1951, more than 1875 such awards have been made, totaling about \$20.8 million.

Miscellaneous

■ The permanent office of the executive secretary of the American Nuclear Society has been established at the Oak Ridge Institute of Nuclear Studies, Oak Ridge, Tenn. W. W. Grigorieff, recently elected executive secretary, succeeds William M. Breazeale of Pennsylvania State University, who has acted in an interim capacity since the founding of the society in January 1955. Grigorieff is chairman of the University Relations Division of ORINS.

The society's journal, *Nuclear Science and Engineering*, will be published by Academic Press, Inc., 125 E. 23 St., New York 10, N.Y., and will be devoted to papers describing original work in the fields of interest to the society. The first issue of the journal will be published in February 1956.

The new journal will be devoted to the experimental and theoretical study of atomic nuclei, not excluding those lines of research that may be expected to throw light on the nature of the nuclear forces—that is, on the one hand, the quantum theory of fields, and on the other hand, the investigation of the elementary particles. However, there is no rigid delimitation of the scope of the journal.

The emphasis will be laid on the publication of original papers, including extended reports of completed research as well as shorter notes announcing new results or presenting remarks and suggestions. An effort will be made to provide, whenever this may appear useful, longer review articles or shorter reports dealing with questions of topical interest. Moreover, as occasion arises, the journal will publish book reviews and news items of interest to nuclear physicists.

The international character of the journal is insured by the composition of the editorial board, which includes representatives from all countries or groups of countries in which nuclear studies are being pursued.

Contributions may be sent to the editor, Prof. L. Rosenfeld, Dept. of Theoretical Physics, The University, Manchester, England, either directly, or preferably through the intermediary of one of the members of the editorial board of the country or region in which the author is working.

■ The Intestinal Research Institute has been incorporated in New York State as a nonprofit educational, research foundation for the study of intestinal diseases. The incorporators are Earl J. Halligan, international secretary general of the International Academy of Proctology and director of surgery, Jersey City Medical Center; Alfred J. Cantor, editor of the *American Journal of Proctology*; Louis Wegryn, president of the International Academy of Proctology; and Paul Lahvis, chairman of the Foreign Chapters Committee of the academy.

An initial project on the possible virus etiology of ulcerative colitis is planned. Eminent virologists in the United States have been contacted, and a grant for this study will be established.

A research laboratory to study the etiology and pathogenesis of ulcerative colitis has also been established at 147-41 Sanford Ave., Flushing, N.Y., headquarters of the International Academy of Proctology.

Intestinal Research Institute funds will come primarily from contributions and grants. An initial grant of \$3000 has been provided by the International Academy of Proctology. All physicians are offered an opportunity to affiliate with the Intestinal Research Institute as contributing founders. For full details write to the Intestinal Research Institute, 147-41 Sanford Ave., Flushing, N.Y.

■ *To Enrich Mankind* is the title of a 25-minute color motion picture just prepared for the American Society of Mechanical Engineers. The film is designed "to explain to the public the significance of the role mechanical engineering plays in the development of our country."

A series of cuts shows how mechanical engineers contribute to the development of farm machinery, home appliances, aircraft, machine tools, rockets, atomic reactors, printing presses, and so forth.

Prints of the film are available on loan, without charge to schools, television stations and nonprofit organizations. Interested persons should write to Barbara A. Brown, Public Relations Dept., ASME, 29 West 39 St., New York 18.