

office increased as time went on, and the high quality of service rendered the people of the state engendered confidence in the work. With the increase of personnel to the staff and a multiplication of tasks, including research, control, quarantine, publication and the manifold activities involved in keeping track of insect pests and informing the people of the state about them, Dr. Britton's work gradually shifted in emphasis from research to administration.

In conclusion, he sums up the character of Dr. Britton in the following words:

A man's accomplishments depend on his personal qualities. Dr. Britton adhered to sound principles in his personal affairs and his relations to members of his staff and other associates in his profession, as well as to his community. Although inherently conservative and personally rigidly adherent to an ethical code which demanded honesty, integrity and candor, he was at the same time liberal in his judgment, tolerant in his decisions, disinterested and generous. To the members of his staff he was always stimulating. Interested in every phase of their activities and demanding intelligent application to the task at hand, faithful performance, loyalty and devotion to the public welfare, at the same time he neither interfered unduly in their work nor evaded responsibility for their acts. He was excessively careful in giving them credit for whatever they accomplished. Those outside the Experiment Station with whom the state entomologist cooperated in many phases of entomological work found him an ideal associate, and the community in which he lived benefited by his presence. In spite of his manifold tasks and remarkable productivity, he took the oscillations of fortune philosophically, confident of the outcome, unperturbed, saved from fretfulness by a serene disposition and a sense of humor.

#### IN HONOR OF JULIUS HERMAN FRANDSEN

At the thirty-fifth annual meeting, held at Lafayette, Ind., of the American Dairy Science Association, a tribute was paid to Professor Julius Herman Frandsen, professor of dairy industry at the Massachusetts State College, "in recognition of outstanding service to dairy science in America, particularly in the conception, advocacy and establishment of the *Journal of Dairy Science* which he so carefully nurtured and successfully edited and managed for eleven years—a substantial and far-reaching contribution of inestimable value to the advancement of dairy research, teaching and practice."

Dr. H. B. Ellenberger, professor of animal and dairy husbandry at the University of Vermont and head of the department, presented the tribute. He stated that this was the third time that such an honorary tribute had been paid by the association to one of its members. In 1933 Professor Wilber J. Fraser, of Illinois, founder of the association, was presented with a framed "token of appreciation" for his "clear vision of the possibilities in advancing the cause of scientific dairy-

ing through a closer organization of the workers in the field" and for eminent service to the industry. In 1934 a similar "tribute" was presented to Dr. Otto F. Hunziker, of Chicago, for "outstanding leadership in dairy research and education" and in association affairs, and in 1935 a framed "tribute" was given to Dr. Martin Mortensen, of Iowa, in recognition of his "eminent service to the dairy industry . . . and his devotion to our association."

Dr. Ellenberger then gave the following particulars in regard to Dr. Frandsen's life and work:

Professor Frandsen was born in Story County, Iowa, the central county of the central state of the cornbelt. He was raised on a farm and has been associated with dairying in one form or another all his life. He is a graduate of Iowa State College in the class of 1902, where I was a student with him and from which he received a Master of Science degree in 1904. In 1906 Matilda Madison, another I.S.C. graduate, became his wife and very active life partner.

From 1904 to 1907 Professor Frandsen was engaged in commercial work with Professor Mortensen. In 1907 he was appointed the first professor of dairy industry at the University of Idaho, where he remained as head of the department until 1911 when he became professor of dairy husbandry at the University of Nebraska. While there he was instrumental in securing the erection of the dairy building, dedicated in 1917, then recognized as the finest college dairy building in the country and still ranking as one of the best.

Leaving the University of Nebraska in 1921 to become dairy editor of farm papers, he again returned to teaching and research in 1926 as professor of dairy industry at the Massachusetts State College, the position which he now holds.

Professor Frandsen served as president of the Official Dairy Instructors' Association, as this organization was then named, during 1913 and 1914. In his presidential address of 1913 he made a strong plea for the establishment of a journal to be published by our association in the interest of dairy science and research. From that time through 1914-16, he at every opportunity advocated the establishment of such a journal. This ambition was realized, when at its 1916 annual meeting, this association approved the establishment of the *Journal of Dairy Science* and designated Professor Frandsen as editor-in-chief. It is interesting to note that this action was taken in Flint Laboratory, Amherst, Massachusetts, the building in which Professor Frandsen now has his office.

As editor of the *Journal of Dairy Science* from May, 1917, to January, 1928, Professor Frandsen has been the means of arousing, encouraging and advancing dairy research in a way and to an extent now recognized as outstanding and important.

#### APPOINTMENT OF DR. BRUNO ROSSI AT CORNELL UNIVERSITY

DR. BRUNO ROSSI, research associate at the University of Chicago, formerly professor and head of the

department of physics at the University of Padua, has been appointed associate professor of physics at Cornell University. Dr. Rossi lost his position at Padua in 1938 when the racial laws went into effect. After spending some time at the Bohr laboratory in Copenhagen, he received a fellowship at the University of Manchester, working with P. M. S. Blackett, Langworthy professor of physics in the university. A correspondent writes:

Dr. Rossi is recognized as one of the five leading investigators in the field of cosmic radiation. In recent years he has published more than thirty papers on the subject and has conducted an incredible number of investigations, some of which are yet unpublished. Dr. Hans Bethe, of Cornell University, with whom Dr. Rossi will be associated, states, "There is hardly any paper on the subject of cosmic radiation in which Rossi's name is not quoted repeatedly." As a result of his research the original, as well as the most exact and recent work on the production of "showers" in cosmic radiation was pro-

duced. This led to a confirmation of the quantum theory of radiation up to tremendous energies of electron volts.

Dr. Rossi has been associated with many of the greatest physicists. Together with Fermi, Nobel-Prize laureate, now of Columbia University, in 1930 he calculated the effect of the magnetic field of the earth on cosmic ray particles, long before work on this problem was undertaken in America. Professor Arthur H. Compton, who called him to the University of Chicago, entrusted to him the planning of a large part of the extensive ray work done at that institution.

At Cornell, Dr. Rossi will develop cosmic ray research, and will work closely with Dr. Bethe and Dr. Robert F. Bacher in nuclear physics and with Dr. Lyman G. Parratt in x-rays. He will also collaborate with Professor Peter J. W. Debye, who joined the faculty as head of the department of chemistry on July 1.

In 1938 Dr. Rossi married Miss Nora Lombroso, granddaughter of Lombroso, the well-known Italian criminologist. They will establish their residence in Ithaca in time for the fall opening of the university.

## SCIENTIFIC NOTES AND NEWS

THE honorary degree of doctor of science was conferred on Dr. L. O. Grondahl, director of research and engineering of the Union Switch and Signal Company, Pittsburgh, Pa., at the commencement exercises of St. Olaf College, Northfield, Minn. Dr. Grondahl is an alumnus of the college.

DR. GUSTAV EGLOFF, director of research for the Universal Oil Products Company, was awarded the degree of doctor of science at the commencement exercises at the Armour Institute of Technology in recognition of "his outstanding contributions in the field of petroleum refining."

ACCORDING to *Nature* the Franqui Prize of half a million francs has been awarded by the Franqui Foundation Committee to Dr. Pierre Nolf, professor of pathology and therapeutics at Liège, for his contributions to science.

DR. H. VINCENT, professor at the Collège de France, formerly inspector-general of the Health Service of the French Army, has been elected vice-president of the Paris Academy of Sciences.

AT the recent meeting in New York City of the American Society of Clinical Pathology, Dr. A. V. St. George, of New York, was inducted into the office of president for the coming year. The following officers were elected: *President-elect*, Dr. J. L. Lattimore, Topeka, Kans.; *Vice-president*, Dr. Ralph G. Stillman, New York City; *Executive Committee*, Dr. L. W. Larson, Bismarck, N. D.; Dr. C. H. Manlove, Portland, Ore.; *Board of Censors*, Dr. R. F. Peterson, Butte, Mont.; Dr. L. C. Todd, Charlotte, N. C.; *Board of*

*Registry*, Dr. L. G. Montgomery, Muncie, Ind.; Dr. I. Davidsohn, Chicago. The Gold Medal for excellence in the scientific exhibit was awarded to Dr. John Eiman and Dr. Charles G. Grosseup for their exhibit on "Fundamental Factors Governing the State of Hydration of the Body in Health and Disease."

AT the forty-third annual meeting of the American Society for Testing Materials on June 25, Dr. William M. Barr, chief chemical and metallurgical engineer of the Union Pacific Railroad Company, was elected president; Herbert J. Ball, vice-president, and Roger C. Griffin, Dr. Paul D. Merica, Jerome Strauss, Stanton Walker and C. H. Fellows, members of the executive committee.

DR. ARTHUR S. GALE, of the University of Rochester, has been made dean emeritus of the physical sciences.

DR. ALBERT P. MATHEWS, since 1918 Andrew Carnegie professor of biochemistry in the College of Medicine of the University of Cincinnati, retired on July 1. He has been succeeded by Dr. Milan A. Logan, assistant professor of biochemistry at Harvard University.

DR. C. W. METZ, member of the staff of the Carnegie Institution of Washington, has been appointed professor and head of the department of zoology at the University of Pennsylvania. He succeeds Dr. C. E. McClung, who retired at the close of the academic year.

DR. PAUL C. MANGELSDORF, vice-director of the