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### SCIENTIFIC NOTES AND NEWS

EDWARD BRADFORD TITCHENER, Sage professor of psychology at Cornell University, died on August 3, aged sixty years. Dr. Titchener was born in Chichester, England, and was called to Cornell University in 1892.

THE seventieth birthday, occurring on August 8, of Professor Henry Fairfield Osborn, president of the American Museum of Natural History, was celebrated on July 28 by the presentation of a Queen Anne cup made by Thomas Folkingham in 1711, and an illuminated book of resolutions containing the signatures of his colleagues and friends from all the world over. These signatures were made on individual slips of vellum and included nearly a thousand names. The design and decorations of the book were executed by William E. Belanski. The presentation took place in advance of Professor Osborn's birthday owing to the fact that he was obliged to be in the west on August 8. The committee in charge of the celebration have also invited Professor and Mrs. Osborn to be the guests of honor at a reception to be given on September 29, on which occasion the balance of the fund raised by his friends, amounting in all to nearly seven thousand dollars, will be presented to him for his research work.

DR. HENRY S. WASHINGTON, of the Geophysical Laboratory of the Carnegie Institution, has been nominated by the Italian government an officer of the Order of the Crown of Italy and has received from the Italian ambassador, Baron de Martino, the cross of the order in recognition of his work on the rocks and volcanoes of Italy.

DR. F. B. MUMFORD, since 1909 dean of the College of Agriculture and director of the experiment station of the University of Missouri, and his brother, Dr. H. W. Mumford, since 1922 dean and director of the Illinois College of Agriculture, recently received the honorary degree of doctor of agriculture from the Michigan State Agricultural College, where both were graduated thirty-six years ago.

THE University of South Dakota at the recent commencement exercises conferred upon Dr. L. S. Hulburt the honorary degree of doctor of laws. Dr. Hulburt is professor of mathematics, emeritus, in the Johns Hopkins University. Before going to the Johns Hopkins University in 1892 he was for four years professor of mathematics in the University of South Dakota.

MRS. ZELIA NUTTALL has been elected a fellow of the Royal Anthropological Society of Great Britain

and Ireland and a corresponding member of the Geographic Society of Philadelphia to fill the vacancy created by the death of Sir John Scott Keltie.

DR. R. RUGGLES GATES, of the University of London, received the doctorate of laws *in absentia*, at the commencement exercises of Mount Allison University, Sackville, N. B.

M. LEONARDO TORRES-QUEVEDO, engineer of bridges and roads of Spain, has been elected foreign associate of the Paris Academy of Sciences to succeed the late H. Kamerlingh Onnes.

THE Hanbury Memorial Medal, which is given for excellence in the prosecution or promotion of original research in the chemistry or natural history of drugs, has been awarded to Dr. T. A. Henry, director of the Wellcome Chemical Research Laboratories.

M. PIERRE SALET, of the Observatory of Paris, has been promoted from adjunct astronomer to astronomer, to succeed M. Bigourdan, who recently retired.

CARLOS G. BATES, recently director of the Rocky Mountain Forest Experiment Station of the Forest Service, has been appointed director of a new section in the Forest Products Laboratory, at Madison, Wis., which will work on biological problems.

DR. JOSEPH JASTROW, since 1888 professor of psychology at the University of Wisconsin, has retired and has been made emeritus professor of psychology.

THOMAS A. EDISON visited the Department of Agriculture in Washington on July 26 to discuss questions of rubber culture. He conferred with Drs. W. A. Taylor, chief, and Karl F. Kellerman, associate chief, of the Bureau of Plant Industry. A representative of the War Department attended this conference. Mr. Edison was accompanied by one of his assistants. He also conferred with officials of the Department of Commerce on the subject of rubber.

W. L. MCATEE, in charge of the division of food habits research of the Bureau of Biological Survey, recently returned from Europe, where he was from the middle of March to the middle of June on official business connected with the work of that bureau and the Bureau of Entomology. He investigated methods of propagation of waterfowl and other game birds, many of them the same species that occur in the United States. This work was carried on at nine establishments in France, Holland and Great Britain.

DR. GEORGE KEMMERER, professor of chemistry in the University of Wisconsin, and Dr. W. H. Rich, of the United States Bureau of Fisheries, are making this summer a scientific study of the water of the lakes on Kodiak Island, Alaska. Professor Kemmerer has

assisted Dr. E. A. Birge, of the University of Wisconsin and the State Geological and Natural History Survey, in the studies he is directing of plant and animal life in Wisconsin lakes, and the ability of the lakes to sustain such life.

DR. CHARLES WARDELL STILES, chief of the division of zoology of the Hygienic Laboratory, Washington, D. C., has been appointed delegate from the United States to the tenth International Zoological Congress, to be held in Budapest, Hungary, September 4 to 9. Dr. Stiles also will attend meetings of the International Committee on Zoological Nomenclature, which will convene in Budapest on August 28, and will be in session until September 4.

W. C. PARKINSON has left Peru to return to Washington after having completed the work he was engaged upon as consulting magnetician at the Huancaayo Observatory.

PROFESSOR WARREN D. SMITH conducted the annual summer camp for geology of the University of Oregon in the Willamette Mountains from June 15 to July 15, during which time he combined teaching with his personal research on some of the interesting problems of that region. In August he will be engaged as consulting geologist for the Reclamation Bureau on the Owyhee Irrigation Project Dam near Adrian, Ore., and still later in the summer will be occupied with special work in Lake County in connection with a suit concerning artesian water conditions.

THE topographical department of the Danish General Staff despatched a survey expedition to Greenland on May 25 of this year. It is under the command of Captain F. C. Jørgensen, and is based on Disko Island. The projected program of survey work will probably take thirty years to carry out. In addition, the expedition will supervise the construction of seismographic and wireless stations at Scoresby Sound.

DR. W. M. JARDINE, secretary of agriculture, gave the principal address on August 1, before the East Lansing meeting of the Country Life Conference.

SIR JOHN BLAND-SUTTON will present, on behalf of the Royal College of Physicians, London, an address of congratulation to the University of Toronto at the commemoration, on October 6, of the centenary of the granting of the charter of King's College, Toronto, now the University of Toronto.

SIR JOHN MACPHERSON, professor of psychiatry in the University of Sydney, New South Wales, has been nominated for Maudsley lecturer for 1928.

WHILE returning from work in the field in the vicinity of Salem, Ky., on the geology of the Smith-

land Quadrangle, Dr. Stuart Weller, professor of paleontologic geology for many years at the University of Chicago and assistant geologist on the Kentucky Geological Survey since 1920, died suddenly on August 5 in the automobile of a friend. Dr. Weller was fifty-seven years old.

A BRONZE plaque commemorating the life and work of Jacques Loeb, to be placed in the entrance of the auditorium, next to the tablet erected to Dr. C. O. Whitman, the founder of the laboratory, was unveiled at Woods Hole on August 4. Ten-minute addresses were made by Dr. Frank R. Lillie, president of the board of trustees and until 1926 director of the laboratory; by Dr. Simon Flexner, director of the Rockefeller Institute, of which Dr. Loeb was a member at the time of his death, and by Dr. Hardolph Wasteneys, of the University of Toronto, who was one of Dr. Loeb's students.

THE Society of Sciences, Letters and Arts of l'Aveyron has erected a monument in memory of the botanist, Hippolyte Coste.

*Popular Astronomy*, quoting from *Ciel et Terre*, reports that on the occasion of the distribution of prizes to the students in the Seminary and College of St. Catherine, where Donati received his education up to the time of his entrance to the university, the life of this noted astronomer was commemorated. The authorities of the city, Cardinal Maffi and a number of distinguished citizens assisted in the ceremonies. On December 16, through the aid of a committee of citizens of Pisa, a bronze tablet was placed on the house where Donati was born, and on the same day the one hundredth anniversary of his birth was celebrated. On this occasion Professor Marco Salvadori, of the College of St. Catherine, reviewed his life.

EDWARD S. HARKNESS has given the sum of \$250,000 to Memorial Hospital, New York City, for the purchase of four grams of radium, doubling the supply now possessed by the hospital.

AN International Congress of Neurologists and Alienists opened on July 26, under the patronage of President Doumergue, at the Château of Blois, Paris, Professor Raviart, of Lille, presiding. The congress, which will last for five days, is being attended by four hundred delegates from seventeen countries.

THE combined meeting of the Section of Neurology of the Royal Society of Medicine and the American Neurological Association was opened on July 25 by a reception at the Royal Society of Medicine; guests were received by Sir James Berry, president of the society, and Lady Berry. Sir James Purves-Stewart, president of the section, gave an address on "Mount

Athos, a Survival of the Middle Ages." The Hughlings Jackson lecture was delivered by Dr. Charles L. Dana. During the afternoon demonstrations on pathological subjects were given, followed by a dinner in the evening.

A TOUR of delegates to the third World's Poultry Congress has been arranged so that European and other delegates may visit some of the more important educational marketing and poultry raising sections of the eastern United States. The party left Ottawa on August 4 and after visiting a few places in Canada proceeded to Cornell University, Ithaca, N. Y. Later the poultry and egg markets of New York City will be visited and the delegates will proceed through New Jersey to inspect the more important poultry raising sections of that state. Finally a visit will be made to the United States Department of Agriculture, where the visitors will be made acquainted with the work carried on by the Bureau of Animal Industry and the Bureau of Agricultural Economics.

THE International Conference on Flour and Bread Manufacture, postponed last year on account of technical difficulties, will definitely take place in Prague, Czechoslovakia, in September, 1927, under the auspices of the Czechoslovakian government. The exact date and full details of the program are yet to be determined. The preparatory committee has the following officers: *Chairman*, Jan Jolinek; *Editor*, Francis Hruska; *Secretary*, Karel Krtinsky.

A STATE clearing house of information on problems of delinquency and juvenile criminology was planned at a recent meeting of ten leading Wisconsin social workers sponsored by the Wisconsin Conference of Social Work. A plan for holding child guidance clinics in some 30 Wisconsin communities was also approved. Professor Kimball Young and Professor Robert West, of the University of Wisconsin, and Dr. R. E. Bushong, director of the Milwaukee County Mental Hygiene Clinic, were appointed to map out the work to be done by these clinics.

THE first National Fuels Meeting sponsored by the American Society of Mechanical Engineers will be held at St. Louis, from October 11 to 13.

*Industrial and Engineering Chemistry* reports that at the annual dinner of the American Welding Society held in New York City recently, President F. M. Farmer announced the donation of an award, the gift of Samuel Wylie Miller, to be presented by the society annually in appreciation of work of outstanding merit in advancing the art and science of welding. The award is a gold medal, which will be known as the Miller Medal.

R. H. FINCH, of the Lassen Volcanic Observatory,

informs us that a museum to make better known the natural history of Lassen National Park was opened with a formal dedication ceremony on July 4. It is situated on the shore of Manzanita Lake near the northwestern entrance of the park. The museum was erected by Mr. and Mrs. B. F. Loomis as a memorial to their daughter Mae and they plan to turn it over to the National Park Service as soon as the boundary of the Lassen National Park is extended to include the area in which the museum is located. A pictorial history of the recent activity of Lassen Peak is the most striking part of the exhibit, though the wild life and the different kinds of lavas in the park are well displayed.

WE learn from the *Journal* of the American Medical Association that for two years about fifty members of the faculty of the University of California and assistants have been investigating the cause of pyorrhea. The Carnegie Corporation and various dental societies furnished about \$100,000 to carry on this work. Some of the experiments seem to show that in animals and man a condition approximating pyorrhea can be induced by "slight upsets in the acid-base balance of their diet." On account of this seeming "tangential direction" which the research took, the stomatologic research committee of the university requested the Carnegie Corporation to send the following men to California for consultation on this problem: Dr. Lafayette P. Mendel, Sterling professor of physiologic chemistry, Yale University; Dr. Elmer V. McCollum, professor of biochemistry, the Johns Hopkins University School of Hygiene and Public Health, and Dr. Edward H. Hatton, professor of pathology and special research investigator, Northwestern University Medical School, Chicago. Dr. Mendel first made the trip, and Dr. McCollum went late in July. Dr. Hatton was expected to arrive early in August. Heretofore, research into the cause of pyorrhea has been largely through the approach of bacteriology rather than of nutrition.

THE departments of the University of Georgia Medical Department, Augusta, that were affected by the recent school fire are being renovated; the roof, the only part that burned, is being restored. The damage was estimated at \$16,000. Space in the south wing, heretofore unused, is being converted into quarters for the department of experimental surgery with a large operating room, three rooms for research and an office. The space formerly used by the surgical department on the first floor will be taken over by the department of public health. The medical department is appealing to the legislature now in session for an increased appropriation of \$20,000 a year for maintenance to replace a similar amount that

has been received for the last five years from the Carnegie and Rockefeller foundations, which contract has expired. The public-spirited citizens of the community and "official Augusta" contributed a similar amount to that given by the foundations, and these funds were used chiefly to inaugurate full-time departments in medicine, surgery and obstetrics.

## UNIVERSITY AND EDUCATIONAL NOTES

A GIFT to the Yale library of \$100,000 in memory of Albert DeSilver, '10, has been announced. The fund has been given to carry out the wish which Mrs. John Bradley Lord, of Greenwich, Conn., expressed shortly before her death in February, 1926, that a fund be established at Yale in memory of her son, Albert DeSilver. The income is to be used for the purchase and care of books and periodicals in the field of chemistry.

AN anonymous gift of £10,000 has been received by the University of Wales for the encouragement of research.

DR. A. WARREN STEARNS has been appointed dean of the medical school of Tufts College. He succeeds Dr. Stephen Rushmore, who has resigned to enter private practice.

DR. PAUL WHITELY, of the University of Chicago, has been appointed associate professor of psychology at Colgate University. Dr. Donald A. Laird, director of the laboratory of psychology, has been promoted to be professor of psychology and chairman of the department.

DR. EARLE B. MILLER, of the University of Wisconsin, has been appointed professor of mathematics and physics at Illinois College, Jacksonville.

DR. E. H. KETTLE, professor of pathology and bacteriology in the Welsh National School of Medicine, has accepted a professorship of pathology in the University of London. Dr. Bronislaw Malinowski, reader in the university, has been appointed to the university chair of anthropology, and Dr. W. H. Linnell has been appointed to a readership in pharmaceutical chemistry.

## DISCUSSION AND CORRESPONDENCE

### A NEW AGRICULTURAL PROFESSION

ABOUT twenty years ago the consulting agriculturist giving advice to farm owners for a consideration was almost unknown in the United States, although at that time Mr. George T. Powell, the well-known fruit grower, was one of the first pioneers in this profession. Then came various other "agricultural ex-

perts," "farm advisers," "consulting agriculturists" and "farm doctors," as they styled themselves—all more or less (principally less) competent—and most of them not staying in business very long. Soon after began the development of extension work and the county agricultural agent system paid for by federal, state and local funds. This system not only has been of great service to American agriculture but has had the effect of stimulating the farmer's desire for more information and advice especially adapted to his own particular farm conditions.

Overwhelmed as extension workers and county agents have been with constantly increasing demands for special service, it has been well-nigh impossible for them to devote any large proportion of their time to any one individual or company without offending other farm owners who felt that they were entitled to an equal amount of service. Yet it is evident that, if a farmer needs technical assistance, he must not only be given preliminary plans but also be assisted to work them out to a successful conclusion in full detail. Only one who has actually done it realizes the amount of time and work entailed in preparing a complete farm operating plan, including rotations, seed, fertilizer and spraying schedules, production and cost estimates and an operating budget. But when it comes to taking over the management of one or more farms only the professional agricultural consultant is free to devote himself to such work.

In following the development of the profession of consulting agricultural engineer, it is interesting to note the trend of state and federal agricultural agencies toward "service at cost." Thus county agent work itself has been partially supported by fees paid by the farmers themselves. Extension specialists making special inspections for farmers now have their traveling expenses paid by those whom they serve. An increasing number of agricultural bulletins is being sold instead of distributed free. Cow-testing associations formed by the agricultural colleges employ their own testers. And more recently in Illinois a group of farmers organized by the Agricultural College has hired its own salaried farm cost accountant to keep its members' books. So it is natural that the federal and state extension divisions should see in the consulting agricultural engineer a means of augmenting their own efforts with a saving of their time and appropriations. Where calls for special service are received some of these government agencies are now referring such inquiries to competent agricultural consultants. And as the demand for such professional services increases, it is believed that the agricultural colleges will help to meet it by offering special courses to train men for the profession of consulting agricultural engineer.