

Waterman, chairman of the State Psychopathic Hospital Commission, at the last three.

The following subjects will be discussed: "The mental hygiene movement," Mr. Beers; "The mechanism of human behavior," Dr. Frankwood E. Williams, medical director of the National Committee for Mental Hygiene and editor of the *Mental Hygiene Quarterly*; "Mental hygiene and personal health," Dr. Thomas W. Salmon, of the Rockefeller Foundation; "Mental hygiene and education," Dr. C. Macfie Campbell, director of the Boston Psychopathic Hospital; "Mental hygiene and family life," Dr. Abraham Myerson, assistant professor of neurology at Tufts College; "Mental hygiene service for children," Dr. Arnold Gesell, professor of child hygiene, Yale University, and director of the University Psycho-Clinic; "The feeble-minded in the community," Dr. Walter E. Fernald, superintendent of the Massachusetts School for the Feeble-minded; "Mental hygiene in social work," Dr. Jessie Taft, director of the Department of Child Study of the Children's Aid Society and Children's Bureau, Philadelphia.

### SCIENTIFIC NOTES AND NEWS

DR. JOHN TROWBRIDGE, Rumford professor emeritus at Harvard University, died at Cambridge on February 18 in his eightieth year.

DR. JOHN DOW FISHER GILCHRIST, professor of zoology in the South African College at Capetown, has been elected president of the South African Association for the Advancement of Science for the meeting to be held at Bloemfontein in July.

MARSTON T. BOGERT, professor of organic chemistry, represented the National Academy of Sciences at the Benjamin Franklin Celebration in Park Row, New York City, on January 17. In the name of the academy, he presented a floral tribute in the form of a lightning flash, bearing the initials of the National Academy of Sciences and "symbolizing both Franklin's harnessing of the lightning and the brilliance of his scientific genius."

DR. DAWSON TURNER and Mr. D. M. R. Crombie have each been awarded a Makdougall-Brisbane medal by the Royal Scottish Society of Arts for their paper on "An investigation of

the ionized atmosphere around flames by means of an electrified pith ball."

DR. WILLIAM HOSKINS, of Chicago, consulting chemist, has been elected a director of the American Chemical Society.

THE South Africa medal and grant have been awarded to Dr. I. B. Pole Evans for his contributions to botanical science in South Africa.

PROFESSOR F. C. NEWCOMBE, instructor in botany in the University of Michigan for the last 33 years, and for the last 20 years head of the department, having reached the retiring age, has resigned his position and will leave the university at the end of the present academic year. Professor H. H. Bartlett has been elected chairman of the department.

DR. ANDERS SVEN HEDIN, of Stockholm, who spent thirteen years exploring Thibet and Eastern Turkestan, arrived in New York on February 13 on the Hamburg-American liner *Hansa*. He will lecture and will also visit American Indian ruins.

ARRIVING in Berkeley on February 8, Dr. A. Sommerfeld, professor of mathematical physics in the University of Munich, was for two weeks a guest of the department of physics of the University of California. He delivered a largely attended course of eight lectures on atomic structure and theories of radiation to the graduate students of that and related departments.

THE Clinical Congress of the American College of Surgeons, representing thirty-five states, is making a 14,000 mile cruise to South America, including Brazil, Uruguay, Chili and the Argentine. The party is composed of five hundred persons, including one hundred and sixteen American and Canadian surgeons and their families. The cruise, which will last two months, was arranged by Dr. Franklin H. Martin, of Chicago, and Dr. William J. Mayo, of Rochester, Minn.

DR. JAMES F. KEMP, professor of geology at Columbia University, will go to Porto Rico late in February to make a survey of the mineral resources of the island for the New York Academy of Sciences. He will also assist in a reconnaissance of the Virgin Islands preparatory to detailed geological investigations. Dr. Nathaniel L. Britton, director in chief of the New York Botanical Garden, sailed from New

York with Mrs. Britton on January 20 to prosecute their investigation of the flora of Porto Rico. The work is partly in press now and when completed will be published by the New York Academy of Sciences. Dr. Fred J. Seaver, also of the Botanical Garden staff, accompanied Dr. and Mrs. Britton at the special request of the Porto Rican government. He will make an intensive study of the fungi of the island from an economic aspect, and will return with the rest of the party on April 5.

AMONG grants made, as we learn from *Nature*, from the Bonaparte fund of the Paris Academy are: 2,000 francs to Wilfred Kilian to assist the publication of a geological bibliography of the south-east of France; 5,000 francs to Emmanuel de Margerie, for the preparation of the publication of a tectonic map of Eurasia; 15,000 francs to Jean Mascart, for the publication of a part of the astronomical work of Luizet; 3,000 francs to M. Mugnier-Serand for his researches on atmospherics in wireless telegraphy and their application to the prediction of storms; 15,000 francs to the Academy of Sciences for the publication of the catalogue of scientific periodicals in Paris libraries.

FROM the Loutreuil fund of the Academy 5,000 francs have been given to the Association lyonnaise for excavations in the prehistoric deposits of Solutr , and 2,000 francs to Charles Le Morvan for the publication of a map of the moon.

At the annual general meeting of the British Association of Economic Biologists, held on Friday, January 26, the following officers and council were elected for the year 1923: *President*, Professor E. B. Poulton, F. R. S.; *Treasurer*, Dr. A. D. Imms; *Secretaries*, General and Botanical, Dr. W. B. Brierley; Zoological, Dr. J. Waterston; *Editors*, Botany, Dr. W. B. Brierley; Zoology, Mr. D. Ward Cutler; *Council*, Dr. W. F. Bewley, Professor V. H. Blackman, F.R.S., Mr. F. T. Brooks, Mr. A. B. Bruce, Dr. E. J. Butler, C.I.E., Dr. J. W. Munro, Sir John Russel, F.R.S., Professor J. H. Priestley, D.S.O., Professor J. H. Ashworth, F.R.S., Dr. T. Goodey, Mr. A. D. Cotton, Mr. W. E. Hiley. Professor V. H. Blackman and Sir John Russel were appointed vice-presidents.

DR. CHARLES GREELEY ABBOT, of the Smith-

sonian Institution, will speak before the Syracuse Astronomical Society on March 2, at 8 o'clock. Before the lecture there will be a dinner in honor of Dr. Abbot.

PROFESSOR E. V. MCCOLLUM, of the Johns Hopkins University, addressed the Public Health Association of Rochester and the Rochester Section of the American Chemical Society on February 2 on "Diet and health."

DR. A. J. McLAUGHLIN, surgeon of the United States Public Health Service, former commissioner of public health of Massachusetts, addressed the annual meeting of the Boston Health League at the Twentieth Century Club on February 14 on "The control of communicable diseases."

At the annual general meeting of the British Association of Economic Biologists, held at the Imperial College of Science on January 26, Professor R. T. Leiper, M.D., gave an address on the study of helminthology.

A LECTURE on "Intersexuality and the determination of sex" was delivered by Professor Goldschmidt, of the University of Berlin, at the University of Liverpool on February 15.

SIR EDWARD SHARPEY SCHAFER, professor of physiology in the University of Edinburgh, has accepted the invitation of the trustees to be the first Victor Horsley lecturer. The lecture will probably be delivered in the autumn.

PROFESSOR ZSCHOKKE, of the faculty of zoology in the University of Basle, is lecturing this term at the University of Cambridge on the European fauna.

A PROGRAM commemorative of the work of Charles Goodyear, who did the original work on the vulcanization of rubber in and near New Haven, will be given by the Rubber Division of the American Chemical Society at the spring meeting. The division plans the erection of a tablet in Goodyear's memory. It also is the announced intention of Dr. Bruni, of Milan, Italy, to be present at the meeting and to present a paper on his late researches on the acceleration of vulcanization.

CARL PAUL GOERZ, founder and until the time of his death head of the Optische Anstalt C. P. Goerz A. G., of Berlin, died on January 14. Mr. Goerz started in business in 1886 in

a single room. The Goerz factories now cover several acres in Berlin-Friedenau and Berlin-Zehlendorf, with branch factories in Cassel, Leipzig and several other places. At the present time there are over three thousand employees, making practically everything required in the photographic and scientific field. Mr. Goerz was sixty-nine years old and remained to the last the active head of these enterprises.

MR. E. W. NELSON, the scientific superintendent of the marine laboratory at the Bay of Nigg near Aberdeen, died on January 17.

THE one hundred and nineteenth meeting of the American Physical Society will be held in Room 301, Fayerweather Hall, Columbia University, New York, on Saturday, February 24, 1923.

THE anniversary meeting of the Royal Anthropological Society was held in London on January 23.

THE Royal Microscopical Society has established a section to deal with the practical use of the microscope in connection with industrial research.

At the International Exhibition of Photography, Optics and Cinematography, to be held at Turin in May and June next, prizes will be given for various kinds of films—among others, films of scientific subjects.

WE learn from the *Journal of Industrial and Engineering Chemistry* that after conducting exhaustive hearings on the bill to appropriate funds for the recovery of the helium which is constantly going to waste from the natural gas wells of the southwest, the committee on public lands of the House of Representatives has decided that the bill should have gone to the committee on military affairs in the first place. The result is that there is no possibility of passage of the bill at this session.

THE Bermuda Biological Station will be open for research this summer, as usual, for some six weeks or more, beginning early in June. The laboratory is provided with running sea water, the needful glassware and usual reagents, but does not furnish microscopes, dissecting instruments or other personal apparatus. It has accommodations for a limited number of persons who desire to pursue

investigations on specific biological topics; but no formal instruction will be given. The facilities of the station are offered free of charge to competent investigators. Special, very low, rates for transportation from New York to Bermuda and return are guaranteed. Persons desiring to take advantage of this opportunity should communicate promptly with the director of the station, who will be glad to furnish additional information as to facilities and expenses. Applicants should state the nature of the investigation proposed, the animals or plants which will be needed in the work, and any special appliances desired, addressing the director, Professor E. L. Mark, Museum of Comparative Zoology, Cambridge 38, Massachusetts.

BETWEEN July 1 and October 1, 1923, there will be no routine teaching of undergraduate students at Stanford University Medical School. During this period properly qualified graduates in medicine and medical students of this and of other schools are invited to participate in medical and surgical work, including specialties, in the capacity of special workers. The workers will be expected to assist in the diagnosis and treatment of patients in the outpatient departments, laboratories and wards. Opportunity to make special studies of clinical and laboratory problems will be offered in certain subjects. The minimum period of attendance will be four weeks. Applications, which should give an outline of the medical experience of the applicant, should be sent to the Dean, Stanford University Medical School, 2398 Sacramento Street, San Francisco, before June 1, 1923. A more detailed statement will be sent on application.

THREE donors have given \$6,000,000 to the endowment fund of the New York Public Library—John D. Rockefeller, Jr., \$3,000,000; Payne Whitney, \$2,000,000; Edward S. Harkness, \$1,000,000. Added to the present fund of approximately \$15,500,000 the amount will enable the library now to operate its reference department without a deficit and to make up arrears in binding, cataloguing and purchasing, but \$500,000 more annually will be necessary to meet the natural development of the library. The number of books consulted annually has increased one hundred per cent. in eleven

years, and the annual number of readers 200 per cent., from 400,275 in 1911 to 1,225,778 in 1922. Cost of operation advanced 113 per cent. in the same period.

THE *British Medical Journal* states that the announcement is made from Canada that 2,715 claims have already been received for the prize of \$100,000 offered by Lord Atholstan, of Montreal, for the discovery of a cure for cancer; claims have come from forty-one different countries. It is pointed out, however, that claimants must satisfy a recognized medical faculty or leading medical society in his or her own country first that there is some scientific basis to justify the experimental investigation of the professed cure, and that any cases said to have been successfully treated were in fact cases of cancer.

### UNIVERSITY AND EDUCATIONAL NOTES

SUBSCRIPTIONS to the Harvard endowment fund reached a total of \$13,892,605.29 on January 1, according to figures now made public. Of the sum, \$10,910,825.31 had actually been paid in on that date, against a corresponding figure a year earlier of \$9,776,706.89.

A BEQUEST of \$200,000 for the establishment of a department of clinical surgery has been ordered paid by trustees of the estate of Edward A. W. Hunter to the University of Pennsylvania by Judge Thompson in the orphans' court. The fund awarded the university will establish the "Agnew and Hunter Department of Clinical Surgery" in memory of Drs. D. Hayes Agnew and Charles D. Hunter.

A BILL now pending in the Texas Legislature provides for an appropriation of \$200,000 for the establishment of a State College of Technology and Textile Engineering.

J. LEIGHTON STUART, president of Peking University, has announced a contingent gift of \$75,000 by the China Medical Board of the Rockefeller Foundation. Mr. Stuart recently arrived in the United States to speak in the interest of a campaign to raise \$1,000,000 necessary for the removal of the university from its present temporary quarters to its new site by September, 1924.

DR. WALLACE W. ATWOOD, president of

Clark University, who was granted a three-months' leave of absence by the board of trustees to visit Europe, has returned. He visited universities and colleges in Scotland, England, Belgium, Germany, Holland, France and Switzerland. He made engagements with several scholars to occupy the visiting professor's chair in geography at Clark for six months or a year.

E. A. MILLER, formerly field agent for the states relations service, United States Department of Agriculture, who for the past four months has been professor of rural economics and sociology in Oklahoma Agricultural and Mechanical College, has been named director of the Extension Division of the college, succeeding W. A. Conner, whose resignation became effective on January 1.

DR. ROBERT A. LAMBERT, assistant professor of pathology and bacteriology in the Yale University School of Medicine since 1919, is severing his connection with the university to assume the professorship in the department of pathology at São Paulo, Brazil. The chair is filled by an appointee of the Rockefeller Foundation, the professor of pathology being a member of the faculty of the school, and in academic matters to be under the direction of the dean, but appointed in cooperation with the Rockefeller Foundation.

### DISCUSSION AND CORRESPONDENCE

#### RESEARCH IN MARINE BIOLOGY

TO THE EDITOR OF SCIENCE: Under the above heading Professor W. J. Crozier<sup>1</sup> has recently advocated a permanent marine biological laboratory in a tropical or semitropical situation, as a continuation of the work of the Department of Marine Biology, Carnegie Institution, so ably directed by the late A. G. Mayor. Dr. Crozier's letter seems to be a special plea for a subtropical institution. Some of his arguments, however, will not hold water. He says:

Those whose varied experiences have provided an adequate background for judgment in this matter are unanimous in the conviction that the most suitable locations are to be found on the shores of tropical or semi-tropical seas.

<sup>1</sup> SCIENCE, December 29, 1922, p. 751.