

Dr. W. B. Burnett: "Rubber."

Mr. Foster Robertson: "Synthetic Resins."

Second Series: Lectures on Professional Opportunities in Various Industries—What the Chemist and Chemical Engineer Have Done, Are Doing, and Can Probably Accomplish in These Fields

Dr. H. E. Foote: "Industrial Gases."

Mr. E. J. Casselman: "Glass."

Dr. H. A. Ambrose: "Petroleum Production."

Dr. D. R. Stevens: "Petroleum Refining."

Dr. E. W. Reid: "Solvents."

Dr. P. B. Davidson: "Paper."

Mr. C. F. Goldthwait: "Textiles."

Dr. R. N. Wenzel: "Fatty Oils and Soaps."

Dr. T. M. Andrews: "Cottonseed Products."

Dr. G. J. Cox: "Sugar."

Dr. M. W. Mead: "Zymochemistry."

Mr. E. R. Harding: "Foods."

Dr. H. K. Salzberg: "Dairy Products."

Dr. R. F. Beard: "Carbonated Beverages."

Dr. J. J. Enright: "Bacteriology, Chemistry and Public Health."

Dr. G. D. Beal: "Pharmaceuticals."

Dr. L. H. Cretcher: "Synthetic Medicinals."

W. A. HAMOR,
Assistant Director

SEPTEMBER 21, 1932

A COURSE IN ANIMAL SOCIOLOGY AT HARVARD UNIVERSITY

A NEW course at Harvard University, tracing the development of animal sociology from fish and insect groups to modern human societies, has been announced. The first course of its type to be given at the university, it covers the wide field of social behavior in every range of the animal kingdom.

The course has been arranged by the Department of Sociology, and will be conducted under the direction of Dr. Pitirim A. Sorokin, professor of sociology, and Professor William Morton Wheeler, professor of entomology, and associate curator of insects at the Museum of Comparative Zoology. Lectures will also be given by a distinguished group of specialists who have recently completed important investigations on the subject of animal sociology.

The object of the new course is to acquaint students with the wide range of social and collective behavior in the animal kingdom, and to examine the more significant types of this behavior. The large amount of recent investigation of the communal behavior of insects, birds and especially of the monkeys and anthropoids has yielded results of much theoretical interest to the student of anthropology and human sociology. Owing to the vast extent of the field, the lectures in the course have been apportioned among several specialists. Dr. Roderick Macdonald will present the material on aggregations in the lower invertebrates

and fishes, and Dr. Wheeler on the aggregations and communities of insects. Accounts of the family life of amphibia and reptiles will be presented by Mr. Arthur Loveridge. Flocks of birds and herds of lower mammals will be treated by Dr. Glover M. Allen, and the primitive communities of monkeys and apes by Dr. Earnest A. Hooton and Mr. H. J. Coolidge, Jr. A final lecture, comparing human and animal sociology, will be given by Professor Sorokin.

A considerable amount of illustrative material for the lectures has been accumulated. The Harvard Film Foundation has collected films to illustrate the social life of insects, birds and other forms of animal life. Also, by special arrangement and through the courtesy of Mr. Martin Johnson, some of his recent animal and ape films have been loaned for use in the course.

THE CENTURY OF PROGRESS EXPOSITION AND THE AMERICAN CERAMIC SOCIETY

THE American Ceramic Society will join the engineering societies of America in a week's program which the authorities of the Century of Progress Exposition have designated as "Engineers' Week." The proposed program has two objectives: (1) to provide arrangements so that the visiting engineers may see the exhibits of special interest to them under favorable circumstances, and (2) to provide means for bringing before ceramists, and thus before the public, through addresses and demonstrations, some of the contributions of ceramics to man's progress.

On Wednesday, June 28, 1933, the several societies will have a joint program tentatively arranged as follows: Members will meet at 9:30 A. M., in a suitable locality, such as the court of the Hall of Science, to receive the coat lapel decoration (to identify the delegates throughout the day) and to form in groups to be taken to the various exhibits as selected; a description of the exhibits to be visited will either be available at this point or will have been received by the members earlier. A suitable number of properly qualified guides will be on hand to take the groups to the points desired.

Each of the exhibits to be visited will put on special programs relating to the exhibitor's work. It is suggested that at the exhibits, in addition to any machinery or equipment demonstration the exhibitor may put on, the officials and scientific men whose work relates to the subject of the exhibit be present and perhaps make brief addresses.

At 12:30 there will be luncheon at the place or places which will later be determined when the restaurant plans are fully developed by the exposition. Afterwards short speeches and science demonstrations are proposed. At 2:30 or 3:00 o'clock trips to the

exhibits will be resumed. At 7:00 p. m., there will be a banquet at the Stevens Hotel. It is hoped that among the guests at the banquet there will be distinguished engineers from abroad. For those who may not be able to attend the banquet (the hotel seating capacity is about 2,400) a special lighting display may be provided at the exposition grounds.

The week of June 25 at the exposition is to be made notable by the fact that the American Association for the Advancement of Science will begin its annual meeting on Monday, June 19, continuing through to Friday, June 30. Fifty distinguished scientific men from other countries have received special invitations to participate in this meeting.

The American Ceramic Society has definitely scheduled its 1933 summer meeting at the Century

of Progress Exposition during the week of June 25, participating in the engineers' banquet with suitable joint programs with the several engineering societies, as well as with the American Association for the Advancement of Science.

The personnel of the local committee on arrangements for the American Ceramic Society is: R. A. Beverly (chairman), 3754 N. Central Park Ave., Chicago; Dr. L. I. Shaw, Western Electric Company, Department 7434, Hawthorne Station; F. L. Steinhoff, editor, *Brick and Clay Record*, 59 E. Van Buren Street; H. V. Kaepfel, editor, Industrial Publications, Inc., 59 E. Van Buren Street; D. F. Alberty, Northwestern Terra Cotta Company, 2525 Clybourn Ave., and W. C. Lindemann, A. J. Lindemann and Hoverson Company, Milwaukee, Wisconsin.

SCIENTIFIC NOTES AND NEWS

PROFESSOR ALBERT EINSTEIN will deliver the Herbert Spencer lecture at the University of Oxford in 1933.

THE International Congress of Physiology at its recent meeting in Rome decided to hold the next congress in Moscow, when Professor Ivan Pavlov will doubtless be president.

DR. WALTER B. CANNON, George Higginson professor of physiology at the Harvard Medical School, has been elected an honorary member of the Barcelona Academy of Medicine.

DR. ALOIS F. KOVARIK, professor of physics at Yale University, was the recipient on July 2 of an honorary doctorate of science from Charles University in Prague, and on June 10 of the Memorial Medal from Comenius University in Bratislava. He gave lectures in May and June at these universities and at Brno. During his sabbatical leave he also visited many of the physical laboratories and radium institutes in Europe.

At the forty-eighth meeting of the American Astronomical Society held in Cambridge, Massachusetts, on September 2, the following officers were elected: *Vice-president*, Benjamin Boss; *Secretary*, R. S. Dugan; *Treasurer*, F. C. Jordan; *Councilors*, F. R. Moulton, Harriet W. Bigelow, D. W. Morehouse and Otto Struve; *Member of the Division of Physical Sciences, National Research Council*, J. A. Miller. The next meeting of the society will be held at Atlantic City, from December 27 to 29, in affiliation with the American Association for the Advancement of Science.

DR. JENNINGS C. LITZENBERG, Minneapolis, was elected president of the American Association of Ob-

stetricians, Gynecologists and Abdominal Surgeons at its recent annual meeting in French Lick, Indiana.

DR. SHIRLEY W. WYNNE, health commissioner of New York, will celebrate, October 8, the twenty-fifth anniversary of his association with the city department of health. He was appointed assistant to the commissioner in 1920 after having spent thirteen years as medical inspector, assistant registrar and chief of the division of statistical research. He became deputy commissioner in 1926 and commissioner in 1928, succeeding Dr. Louis I. Harris.

DR. MARTIN FROBISHER, JR., has been appointed associate in epidemiology at the Johns Hopkins School of Hygiene and Public Health. He resigned as associate in pathology and bacteriology at the Johns Hopkins University in 1928 to join the Rockefeller Institute for Medical Research in New York. The last three years have been spent in Brazil, where he has been engaged in research on yellow fever for the International Health Division of the Rockefeller Foundation. Dr. Frobisher recently recovered from an attack of yellow fever.

PROFESSOR GEORGE F. ECKHARD, who has been professor of structural engineering at the University of Vermont and the State Agricultural College since 1915, has been appointed dean of the College of Engineering to succeed the late Josiah W. Votey, who died last year. Professor Eckhard was appointed acting dean at the time of Dean Votey's death.

DR. O. J. FARRELL has been appointed professor of mathematics at Union College.

DR. T. D. BECKWITH has been appointed associate professor of bacteriology at the University of California at Los Angeles.