

others had reacted to the tests were perhaps a trifle more inclined to be tolerant of the opinions of other people. From the differences in taste and smell which they had seen in respect to a relatively few substances they could believe the statement that no two people are exactly alike in their sensory reactions and proba-

bly never have been. Training and other environmental factors do have an influence on human perceptions and behavior, but it is safe to say that judgments of drinkers regarding the taste of beer and judgments of the Supreme Court regarding issues of law can not help differing because men are born different.

SCIENTIFIC EVENTS

THE NORWICH MEETING OF THE BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

THE annual meeting of the British Association for the Advancement of Science will be held at Norwich from September 4 to 11, under the presidency of Professor W. W. Watts. The only previous meeting of the British Association in the city of Norwich was in 1868 under the presidency of Dr. Joseph D. Hooker.

The inaugural general meeting will take place at 8:30 P. M. on Wednesday evening, September 4, when Professor Watts will deliver the presidential address, on "Form, Drift and Rhythm of the Continents."

The presidents of the sections and titles of their addresses are as follows:

Section A (Mathematical and Physical Sciences): Dr. F. W. Aston, "The Story of Isotopes."

Section B (Chemistry): Professor W. N. Haworth, subject to be announced.

Section C (Geology): Professor G. Hickling, "Some Aspects of Coal Research."

Section D (Zoology): Professor F. Balfour Browne, "The Species Problem."

Section E (Geography): Professor F. Debenham, "Some Aspects of the Polar Regions."

Section F (Economic Science and Statistics): Professor J. G. Smith, "Economic Nationalism and Foreign Trade."

Section G (Engineering): J. S. Wilson, "Stability of Structures."

Section H (Anthropology): Sir Arthur Smith Woodward, "Recent Progress in the Study of Early Man."

Section I (Physiology): Professor P. T. Herring, "The Pituitary Body and the Diencephalon."

Section J (Psychology): Dr. L. L. Wynn Jones, "Personality and Age."

Section K (Botany): F. T. Brooks, "Some Aspects of Plant Pathology."

Section L (Education): Dr. A. W. Pickard-Cambridge, "Education and Freedom."

Section M (Agriculture): Dr. J. A. Venn, "The Financial and Economic Results of State Control in Agriculture."

An evening discourse will be delivered on September 6, by Dr. S. J. Davies, dealing with "Diesel Engines in Relation to Coastwise Shipping." A second evening discourse will be delivered on September 10, by

Dr. C. S. Myers, on "The Help of Psychology in the Choice of a Career."

The Lord Mayor of Norwich, P. W. Jewson, and the Lady Mayoress will give a reception in the Castle Museum on the evening of September 5, and a garden party at Crown Point will be given during the week by H. M. Lieutenant for Norfolk, Russell J. Colman, and Mrs. Colman.

September 7 has been reserved for general excursions to places of interest, schools and industrial firms in the neighborhood of Norwich. Preceding the meeting a geological excursion of four days' duration under the direction of Professor P. G. H. Boswell is being arranged to examine the coastal and inland sections in Norfolk from Hunstanton (Lower Greensand, Red Chalk, Lower Chalk) *via* Morston (purple boulder clay and raised beach) and Weybourne (Weybourne Crag) to Cromer and Bacton (Cromer Forest Beds, Scandinavian Drift and Chalky Boulder Clay).

The societies in correspondence with the association consist of (a) Affiliated Societies undertaking local scientific investigations and publishing the results; and (b) Associated Societies of at least three years' standing, and not fewer than fifty members, formed for the purpose of encouraging the study of science.

Delegates of the Corresponding Societies will meet on September 5 and 10 to discuss matters of common interest to the societies and the association. The presidential address, by Professor P. G. H. Boswell, will deal with town and country planning.

Future annual meetings will be held as follows: 1936, in Blackpool; 1937, in Nottingham; 1938, in Cambridge.

INTERNATIONAL BIOLOGICAL CONGRESSES

UNDER authorization of the national entomological societies and of Section F of the American Association for the Advancement of Science, arrangements have been made with certain steamship companies for the transportation of those going from America to the Entomological and Zoological Congresses. These arrangements and certain European tours in advance of the congresses are also open to those attending the other congresses, or their friends, or to the university public in general. The European excursions will be as follows:

A. Mediterranean, Adriatic and Black Sea. Cruise, followed by a tour of Morocco, Spain and Portugal, June 29 to October 3. \$675, tourist class, and up.

B. Kayak trip on German rivers, followed by tour of Morocco, Spain and Portugal, June 29 to October 3. \$575, third class; \$700, tourist class.

C. Paris, to Rhine, the Black Forest, the Alps, Italy and Madrid, August 13 to September 21. Considerably less than \$500, tourist class.

Particulars in regard to steamboat and railroad rates for the congresses on physiology, botany, entomology, zoology and neurology are given below. Reservations and further details can be obtained for Excursion C: Professor P. W. Claassen, Cornell University, Ithaca, N. Y. For other excursions and steamship bookings: Professor J. C. Bradley, 322 E. State St., Ithaca, N. Y.

The Fifteenth International Physiological Congress, Leningrad and Moscow, August 8-18. Arrangements within Russia, including numerous excursions, are in the charge of Intourist, Inc. It should be noted that passengers can be booked through to Leningrad and from Moscow for any Atlantic steamer and port (tourist, special or third class) for very much less than it would cost to book to the terminus of the steamer and then to buy rail tickets to and from Russia.

The Sixth International Botanical Congress, Amsterdam, September 2-7. The official steamer eastbound is the *SS. Statendam*, sailing on August 13. No particular steamer has been set aside for return. Botanists wishing to return with the entomological group may join the *Rex* at Nice (Villefranche) on September 13. The rates are the same as from Gibraltar.

The Sixth International Congress of Entomology, Madrid, September 6-12. Several interesting excursions are announced. Those going directly to the congress will sail on the *SS. Roma* on August 24, or the *SS. Rex* on August 31, according to the date finally fixed for the congress. The return will be on the *Rex* on September 16.

The Twelfth International Zoological Congress, Lisbon, September 14-21. The organizing committee announces reduction in French and Portuguese rail rates and in hotel rates. They also announce attractive excursions. Those going directly to and from this congress will sail on the *SS. Rex* on August 31, returning on *SS. Conte di Savoia*, sailing on September 27 from Gibraltar.

The Second International Neurological Congress, London, July 29 to August 2.

THE HAYDEN PLANETARIUM OF THE AMERICAN MUSEUM OF NATURAL HISTORY

THE Hayden Planetarium of the American Museum of Natural History is fast assuming its final form. The exterior of the square brick building at the corner of 81st Street and Central Park West is practically finished. The copper dome—the outer dome—is entirely completed, and has already been so treated that

it has taken on its permanent greenish color. The Park Department of the City of New York is making extensive preparations to beautify the grounds in which the planetarium stands, as well as to provide adjacent parking space for about one hundred cars. New trees and shrubbery are being planted, and a semicircular driveway approach from 81st Street constructed past the entrance to the building.

Work is also progressing very rapidly on the interior of the building. The circular chamber on the first floor, which is to house the Copernican Planetarium, will soon be ready for the instrument which is now receiving the final touches in the workshop of J. W. Fecker in Pittsburgh. This planetarium, which shows the solar system as it would appear if the sun and earth and the other planets were viewed from a distance off in space, is to be installed on the ceiling of this first-floor room. The sun is represented by a lighted globe and the planets and satellites by spheres which revolve on tracks around the sun. It is planned, eventually, to place around the walls of this hall various astronomical murals.

The second-floor hall, with its great 75-foot dome, the very top of which is some forty-seven feet from the floor, was built for the Zeiss Projection Planetarium. This planetarium shows the various aspects and phenomena of the sky as they appear to man as he stands and gazes from his earth out into space. The instrument, itself, which looks like a great dumb-bell pivoting at the center, is in reality an aggregation of over one hundred stereopticon machines which project on the dome overhead the semblance of the night sky. This dome is of perforated stainless steel, a type of material which has proved very satisfactory in improving acoustical properties, which are always a problem in a round room. At the time of writing, this dome is completely finished with the exception of its final coating of white paint.

The silhouette of the New York City sky-line which is cut out of the bottom row of the stainless steel plates (about ten feet above the floor), was copied from photographs taken in Central Park of the entire city sky-line as it is seen from that point. Back of this cut-out silhouette the wall is painted black, so the stars, when they reach the buildings, disappear naturally into the blackness, and likewise into the blackness of the oblique baffles at the side and just below the silhouette. This does away with the embarrassing difficulty of having the stars slide down over the fronts of the buildings in the silhouette and down the side-walls, as they would do if these were of solid material instead of baffles.

It is hoped that the planetarium will be open to the public by the middle of September, although it is possible that later this date may have to be moved to