SCIENCE

A WEEKLY JOURNAL DEVOTED TO THE ADVANCEMENT OF SCIENCE, PUBLISHING THE OFFICIAL NOTICES AND PROCEEDINGS OF THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE.

EDITORIAL COMMITTEE: S. NEWCOMB, Mathematics; R. S. WOODWARD, Mechanics; E. C. PICKERING Astronomy; T. C. MENDENHALL, Physics; IRA REMSEN, Chemistry; CHARLES D. WALCOTT, Geology; W. M. DAVIS, Physiography; HENRY F. OSBORN, Paleontology; W. K. BROOKS, C. HART MERRIAM, Zoology; S. H. SCUDDER, Entomology; C. E. BESSEY, N. L. BRITTON, Botany; C. S. MINOT, Embryology, Histology;

H. P. BOWDITCH, Physiology; WILLIAM H. WELCH, Pathology: J. McKEEN CATTELL, Psychology.

Friday, November 27, 1903.

THE ST. LOUIS MEETING.

CONTENTS:	
The St. Louis Meeting	673
Science and Medicine in the Modern University: Professor C. S. Sherrington	675
The New Agricultural Education: Dr. A. C. True	684
Scientific Journals and Articles Societies and Academies:—	687
The National Academy of Sciences. The Academy of Science of St. Louis: Professor William Trelease. The Biological Society of Washington: F. A. Lucas. The Torrey Botanical Club: F. A. Earle. Clemson College Science Club: F. S. Shiver. The Geological Society of American Universities: Ralph Arnold and De Witt C. Wiley.	688
Discussion and Correspondence:— The Mexican Cotton Boll Weevil: Dr. L. O. HOWARD	693
Shorter Articles:—	
Some Insect Reflexes: Professor Vernon L. Kellogg. Notes on the Vegetation of the Transvaal: Joseph Burtt Davy. Brain-Weights of Brothers: Dr. E. A. Spitzka.	693
Recent Zoopaleontology:— Schlosser's Literaturbericht; American Oligocene Microfauna; Triassic Reptilia; Cretaceous Reptiles; Jurassic Reptiles: H. F. O	699
Scientific Notes and News	702
University and Educational News	704

MSS, intended for publication and books, etc., intended for review should be sent to the responsible editor, Protessor J. McKeen Cattell, Garrison-on-Hudson, N. Y.

Local arrangements have now been nearly completed for the St. Louis meetings, beginning with December 28 and running through convocation week. the exception of the address of President Remsen, on Monday evening, for which the Odeon-a large hall near at hand -has been secured, and possibly one or two other public evening lectures, all the meetings will be held in the Central High School. This is a modern building with good internal arrangements. situated on Grand Avenue between Bell and Finney Avenues, with convenient car service to the residence and business districts of the city. Ample rooms for all the sections of the American Association and for the affiliated societies are provided, and a suggestion made in Science early in the year has been acted on by furnishing each section with a lounging room, adjoining its meeting room. The officials of the board of education have cooperated with the principal of the school and the local committee in adapting the rooms to the purposes of the meeting by substitution of seats for desks in many rooms, and by the

provision of comfortable arm-chairs in the lounging rooms.

674

Hotel headquarters of the American Association and of several of the affiliating societies have been placed at the Southern Hotel; others will be at the Planters House, and still others, doubtless, in other downtown hotels—the disposition, apparently, being to centralize hotel headquarters, as the meeting places are centralized, even though but a part of the expected members can be accommodated in a single hotel at the holiday season when the hotels of a commercial city are most crowded because of the influx of traveling men who at other times are distributed over the country. The local committee, however, promises ample and good accommodations for the largest number who can attend the meetings, and have secured reasonable and in most cases reduced rates for the occasion.

The railroads promise the customary rate of one and one third fare for the round trip, from all parts of the country, on the certificate plan.

So far as can be judged from the information now in hand, the sections of the association and of the affiliating societies will have full and attractive programs, so arranged as to prevent the simultaneous presentation of papers interesting to the members of different organizations standing for similar divisions of sciences; and a little conference between the various secretaries and arrangement with the local secretary will readily ensure the entire absence of this disturbing feature of some meetings.

Sessions for the most part are limited

to morning and afternoon hours, a lunch being provided in the school building by the local committee for every day but Thursday, when, after the noon adjournment, members will go to the exposition grounds, where they will be given a buffet luncheon by the exposition authorities and afterwards, in parties of convenient size, shown through the buildings by the chiefs of departments, under whom the exhibits are in process of installation. Not the least part of the interest in this afternoon will lie in the opportunity to inspect the magnificent new buildings of Washington University, which are to be occupied at the close of the exposition.

Some unusual degree of care has been taken to prevent a clash of interests in the evenings of the week, Monday evening being reserved for the address of the retiring president, Dr. Remsen, and the other evening events, so far as the local committee could adjust them, being placed with this end in view.

advantage—or disadvantage—of meeting in convocation week is that the diversions and hospitalities incident to a meeting in the summer vacation are not possible. The local committee, however, has studied to provide for their scientific guests all the opportunities that can be utilized for seeing the interesting features of St. Louis and testing the hospitality of its citizens; and it is probable that the various secretaries will so adjust their programs as to make it possible for members to see what they care to see of the engineering, chemical, manufacturing and scientific sights of the city.

In the way of specific diversions, aside from the visit to the World's Fair, may be noted one or more evening lectures of general scientific interest, the annual dinners of the American Society of Naturalists and the Sigma Xi Honorary Scientific Society, each followed by an address by a prominent speaker, and the annual banquet of the trustees of the Missouri Botanical Garden, which is one of the notable events of the year, and for which personal invitations will be extended to as large a number of the distinguished guests of the city as can be provided for.

These statements should make clear that provision has been made for one of the most successful and one of the pleasantest meetings of the American Association for the Advancement of Science and the American Society of Naturalists, with the many organizations that meet in affiliation with them; and the members of the bodies that are to meet in St. Louis should at once put their respective secretaries in possession of titles and abstracts of the papers that they propose presenting, so that the detailed programs may be prepared in the best manner.

In addition to the sections of the association, all of which except Section K are to meet this winter, the following affiliated societies are to hold meetings in St. Louis during convocation week: The American Anthropological Association, The American Chemical Society, The American Mathematical Society—Chicago Section, The American Microscopical Society, The American Physical Society, The American Psychological Association, The American

Society of Naturalists—and with it the Central Branch, The American Society of Zoologists-Central Branch. The Association of Economic Entomologists. The Association of Plant and Animal Breeders, The Astronomical and Astrophysical Society of America, The Botanical Society of America, The Central Botanists' Association, The Fern Chapters, The Geological Society of America, The Sigma Xi Honorary Scientific Society, The Society for Horticultural Science and The Society for the Promotion of Agricultural Science. The Botanical and Entomological Clubs of the association will also meet informally at times that will not conflict with the corresponding sections.

In our next issue the details of the arrangements for the meetings will be given, and the preliminary announcement, which will be mailed to members about the first of December, will contain full information as to hotels, railroad tickets, etc.

Believe me, it is a difficult thing for a stranger, even at your invitation, to address you on an occasion like the present. So many significant events crowd in upon him and time for reflection is needed to weld into a connected whole the impression he would wish to offer to you. Not that the growth and doings of this university have not been followed and watched with interest by us in the old country. On the contrary, your activity has been felt, not

^{*} Address given at the formal opening of the new laboratory for physiology, pathology and medicine of the University of Toronto, on October 1, 1903.