

of the hydration of salts in aqueous solutions. This subject, which constitutes one of the most important as well as one of the most difficult of the unsolved problems relating to solutions, is being attacked by two independent methods by Mr. Edward W. Washburn and Mr. Richard C. Tolman. A series of eight articles describing the researches made in the laboratory during the last two years is about to be submitted to the Carnegie Institution for publication. The research laboratory has been assisted on the financial side by a further grant of five hundred dollars from the trustees of the William E. Hale research fund, by a gift of two hundred dollars from Mr. Samuel Cabot and by one of three thousand dollars from one of the professors of the institute.

---

*THE AMERICAN SOCIETY OF NATURALISTS  
AND AFFILIATED SOCIETIES.*

THE American Society of Naturalists and affiliated societies will meet at the University of Michigan, Ann Arbor, in Convocation week. The Central Branch of the society will meet, but we understand that the Eastern Branch will hold no meeting this year. There will meet in conjunction with the American Society of Naturalists the American Zoological Society, the American Physiological Society, the American Association of Anatomists, the Society for Plant Morphology and Physiology and the American Society of Bacteriologists, the latter society having suspended its rules of meeting only in the eastern states.

THE American Psychological Association and the American Philosophical Association, which have in recent years met with the Naturalists, will meet this year at Harvard University. On this occasion Emerson Hall, the new building for philosophy and psychology, will be formally opened.

---

*THE NEW ORLEANS MEETING OF THE  
AMERICAN ASSOCIATION FOR THE  
ADVANCEMENT OF SCIENCE.*

THE people of New Orleans have organized local committees to take charge of the arrangements for the meeting of the association, which

will be held from December 29 to January 4. The permanent secretary writes from New Orleans that the local committees are enthusiastic and will work hard for the success of the meeting. That it will be an important and successful meeting is assured, provided the attendance is satisfactory.

The question of railroad rates has not as yet been thoroughly settled, but it seems likely that a one-fare rate will be secured from most of the railroad associations. The opportunity, therefore, to members of the association (especially from the northeast) to visit New Orleans, will be an exceptional one. New Orleans is a most interesting city on account of its historical associations, its cosmopolitan population, its extraordinary natural advantages, the wonderful flora of its parks and surroundings and the many important industries which center at the mouth of the great waterway of the United States.

Members who have not visited New Orleans should take advantage of this chance and members who are familiar with the city will gladly greet the opportunity to revisit it. Nearly all of the sections and affiliated societies will be accommodated in the lecture halls of the Tulane University (which is the state university of Louisiana) with new and well-equipped buildings. It is likely that the meeting of the Social and Economic Section will be held in the board of trade rooms in the central part of the city. The university itself is within easy access of the large hotels by trolley, the time occupied in the journey being about twenty-five minutes. The St. Charles Hotel has been chosen as hotel headquarters and promises of low rates to members are also made by the Grunewald, Cosmopolitan and other hotels. It will be well for members to write well in advance and engage rooms.

The honorary president of the local committee will be President E. B. Craighead, of the Tulane University. The executive president will be Professor George E. Beyer, of Tulane University; secretary, Henry M. Mayo, of the New Orleans Progressive League, and treasurer, Mr. Clarence F. Low, of the Liverpool, London and Globe Insurance Company. The subcommittees are formed as follows:

*Executive Committee.*—The general officers and the chairman of the subcommittees.

*Reception and Entertainment Committee.*—Dr. Isadore Dyer, Professor John R. Ficklen, Mrs. I. L. Lyons, Miss Ida Richardson, Mrs. J. P. Richardson, Miss Kate Minor, Mrs. J. R. Ficklen, Judge Charles Fenner, Mr. George Kanske, Miss Kate Gordon, Miss Grace King, Mrs. M. M. Davis, Mr. Charles Godchaux, Mr. E. B. Cushing, Professor B. V. B. Dixon, Mr. Lucien Lyons, Mrs. Craighead, Mr. Theodore Lyons, Captain I. L. Lyons.

*Hotels and Boarding Houses.*—Andrew Blakley, Theodore Grunewald, Joe Voegtli, J. K. Denechaud, Henry M. Mayo.

*Meeting Place and Equipment.*—Professor Wilkinson, Professor Creighton, Professor Caldwell, Jr., Professor Anderson, Professor Smith, Professor Barnett and Professor Miller.

*Membership Committee.*—James H. Dillard, L. W. Wilkinson, Professor W. B. Smith and Dr. J. W. Caldwell.

*Transportation Committee.*—Hunter C. Leake, Charles Marshall, J. Kemp Ridgely, Robert Strong, E. B. Cushing, D. C. Cunan.

*Press and Printing.*—John Dymond, Sr., John Dymond, Jr., Ashton Phelps, T. G. Rapin, Major T. E. Davis, Captain J. W. Bostick, Page M. Baker, Norman Walker, Robert Ewing, J. M. Leveque, J. Walker Ross, Henry Steir, Professor J. Hanno Deiler, Professor Alcée Fortier, A. Capdeville, Dr. Martin A. Aldrich, Dr. J. S. Barnett, Professor Walter Miller.

The executive committee of the council of the association consisting of the permanent secretary, the general secretary, the secretary of the council and all secretaries of sections will meet at the office of the permanent secretary in the St. Charles Hotel, at noon, on Thursday, December 28, to revise the program for the week and to make the final arrangements for the opening session of the association, which will be held in one of the large halls of the city, at ten o'clock, on Friday, December 29. The meeting will be called to order by the retiring president, Professor Farlow, who will introduce the president elect, Professor C. M. Woodward. Ad-

resses of welcome will be delivered by Governor Blanchard, by President Craighead and by Mayor Behrmann, and to these addresses President Woodward will reply. The addresses of the vice-presidents of sections will be distributed throughout the week in accordance with the plan adopted at the Philadelphia meeting of the association.

Special features of the meeting will include the address of the retiring president, Professor Farlow, and the public evening lectures will include, if possible, one by some eminent authority on the 'Panama Canal' and another on the subject of 'Irrigation and Drainage.' There will also be an important symposium under the auspices of Section K on the subject of yellow fever and other insect-borne diseases. In this discussion, it is hoped that prominent specialists from the north will take part and that addresses will be made by the men who have borne the brunt of the fight against yellow fever in New Orleans during the past summer, especially Dr. J. H. White, who has had charge of the situation for the Public Health and Marine Hospital Service, Dr. Souchon, president of the State Board of Health, and Dr. Kohnke, the health officer of New Orleans, and others.

The local committee will arrange for receptions and excursions to places of interest and route maps of the city will be prepared indicating points of historical interest. The folklore of Louisiana will be handled in an especially interesting manner before Section H.

The following affiliated societies have notified the permanent secretary that they will meet with the association at New Orleans: the American Chemical Society, the Botanical Society of America, the Fern Chapter, the Association of Economic Entomologists, the Southern Society for Philosophy and Psychology, the Society for the Promotion of Agricultural Science.

---

#### SCIENTIFIC NOTES AND NEWS.

LORD RAYLEIGH has been recommended by the council for election as president of the Royal Society at the anniversary meeting on November 30.