

period the rates for time-loans in the New York market were usually from four to four and a half per cent. for the best paper, Government securities thus indicating practically double the value of private credit. British consols sold at 96½, French *rentes* at 101.225, German 3½ per cent at 102, Spanish Fours 78¼ in London. Foreign Municipal Fours sell at par. During the same period the best railroad Four-per-cents sold in New York at about 105 and the Fives at 125.

**RAILWAY ARRANGEMENTS FOR THE
PITTSBURGH MEETING OF THE
AMERICAN ASSOCIATION.**

THE Local Committee for the Pittsburgh meeting of the American Association for the Advancement of Science and Affiliated Societies hereby announces the final arrangements made with the various Passenger Associations regarding rates and conditions connected with the purchase of tickets and extension of time limits.

The *Central, Trunk Line, Western, and New England Passenger Associations* have granted a rate of one fare and one third for the round trip, on the certificate plan.

Tickets at full fare for the going journey may be obtained from points within the territories of the *New England, Trunk Line, and Central Passenger Associations*, from June 19 to June 30 and from points within the territory of the *Western Passenger Association*, from June 19 to June 25 inclusive.

Delegates to the meeting should bear in mind the necessity of obtaining a *certificate* from the office where the ticket is bought. Do not make the mistake of asking for a *receipt*.

A special form of certificate has been issued for this Convention and anybody neglecting to obtain it, properly made out and signed by the selling agent, will be compelled to pay full fare on the return trip.

Certificates are not kept at all stations. It is essential that special inquiry be made regarding this matter at least thirty minutes before departure of train.

If the agent at the station where the ticket is bought is not supplied with certificates, he

will inform delegates at what station they can be bought. Buy a local ticket to the station designated and there take up a certificate and through ticket.

Upon arrival at Pittsburgh delegates should hand their certificates to the *Permanent Secretary* who will in turn hand them to the *Local Secretary* and special agent for endorsement. Even if certificates are properly made out and attested by the ticket agent at the selling office, they will not be honored for reduced fare on the return trip unless they are endorsed by the Local Secretary and validated by the special agent of the Railway Associations, and after being thus endorsed and validated they will not be honored for reduced rate on return trip unless they are deposited with the agents of terminal lines in Pittsburgh on or before July 9.

It has been arranged that a special agent of the Railway Associations will be in attendance to visé certificates on June 28, 29, 30, July 1, 2, and 3. A charge of twenty-five (25) cents for validating each ticket is made by the railways to defray cost of presence of special agent.

To prevent disappointment, it must be understood that the reduction on return journey is not guaranteed, but is contingent on an attendance of not less than 100 persons holding certificates obtained from the ticket agent at starting points showing payment of full first-class fare of not less than seventy-five (75) cents on going journey; provided, however, that if the tickets presented fall short of the required minimum and it shall appear that round trip tickets are held in lieu of certificates, they shall be reckoned in arriving at the minimum. This ruling regarding the minimum of 100 applies to the *Western, Central, Trunk Line, and New England Passenger Associations*. In each instance the return journey must be made by the same route traveled on the going journey, and it must be continuous.

If the necessary minimum is in attendance and certificates are properly made out and attested by the selling agent, acknowledged by the Local Secretary, validated by the special agent, and deposited with agents of ter-

minal lines in Pittsburgh on or before July 9, holders of same will be entitled up to August 31 to a continuous passage ticket by the route over which going journey was made, at one third the first-class limited fare.

Extraordinary concessions have been made for this Convention by the above-named Passenger Associations in allowing the purchase of tickets for the going journey eight days prior to any of the scheduled meetings and extending this privilege up to and including June 30. For obvious reasons this concession has been slightly modified as above noted by the Western Passenger Association. The extension of time limit on the return tickets to August 31 is decidedly out of the ordinary. An exception of the usual rule requiring the return journey to be made at least three days after adjournment, was granted at the earnest request of the Chairman of the Local Committee, Dr. W. J. Holland, expressed through the Chairman of the Transportation Committee, Col. Samuel Moody, Assistant General Passenger Agent of the Penna. Lines West of Pittsburgh.

The *Southeastern Passenger Association* will sell tickets on the regular certificate plan conditions, namely: Certificates to be issued in connection with going ticket three days before (Sunday not included) and two days after the first day of meeting, and to be honored for return tickets up to and including third day of adjournment. This means that tickets will be sold on June 25, 26, and 27 and honored for the return journey from June 28 to July 6 inclusive. Instructions regarding purchase of tickets, obtaining certificates, and having certificates acknowledged and validated at Pittsburgh are the same as those given above for the other Passenger Associations with the exception, however, that no certificate will be honored for the return ticket unless presented during the time that the meeting is in session or within three days (Sunday not included) after adjournment.

The *Transcontinental Passenger Association* has not granted a special rate for this Convention, but suggests that delegates using their lines avail themselves of the privileges afforded by purchasing a nine-months' tourist

ticket. This means transportation from extreme Western points to territory granting the rates above given, at two cents per mile, and is about equivalent to a rate of one fare and one third for the round trip.

The *Southwestern Passenger Association* has refused to grant any reduction of fare for this Convention.

GEORGE A. WARDLAW,
Local Secretary.

SCIENTIFIC NOTES AND NEWS.

THE Senate of Dublin University has voted to confer the degree of Doctor of Science on Professor J. Willard Gibbs, of Yale University.

DR. CARLOS FINLAY, of Havana, eminent for his work on yellow fever, has been given the degree of Doctor of Science by Jefferson Medical College, from which he graduated in 1855.

It appears from reports in the daily papers that American men of science—Dr. R. T. Hill, U. S. Geological Survey; Dr. Angelo Heilprin, Philadelphia Academy of Natural Sciences; Dr. T. A. Jagger, Harvard University, and Dr. E. O. Hovey, the American Museum of Natural History—have made careful observations of the geological conditions following the volcanic eruptions in the lesser Antilles.

PRESIDENT DAVID STARR JORDAN will leave on June 12 on the steamer *Sierra* for Samoa, where he will spend the summer in the investigation of the fishes and other marine animals of the Samoan islands. The work will be done for the United States Fish Commission, and Professor Vernon L. Kellogg, of Stanford University, will accompany Dr. Jordan.

MR. J. S. BUDGETT, F.Z.S., Balfour student of the University of Cambridge, left England on May 22 for Uganda, via Mombasa, on a mission from the Zoological Society of London. He will proceed to the southeastern corner of the Protectorate, and take up a station on the Semliki River, where he will collect mammals and birds, study the fishes, and endeavor to investigate the habits of the okapi in the forest of Mboga. Mr. Budgett, who has already paid two visits to the Gambia, is a