PROCEEDINGS
OF THE
CHEMICAL SECTION,
OF THE
FRANKLIN INSTITUTE.

[*Stated Meeting, held at the INSTITUTE, Tuesday, Feb. 18, 1890.*]

HALL OF THE FRANKLIN INSTITUTE.

PHILADELPHIA, February 18, 1890.

Mr. T. C. PALMER, President, in the Chair.

Members present: Profs. Sadtler, Smith, Trimble, Drs. Hooker, Keiser, Keller, Wahl, Messrs. Rowland, Macfarlane, Palmer, W. H. Bowers, Williams, Frankel, Galt, Jayne and four visitors.

Mr. Edw. K. Stevens, Forty-second and Locust Streets, was nominated for membership.

The resignation of H. N. Rittenhouse was presented, and on motion accepted.

Dr. E. H. Keiser presented a paper "On the Synthesis of Fumaric Acid," which was referred for publication in the JOURNAL.

Prof. E. F. Smith presented a paper on the electrolytic method as applied to palladium. (Referred for publication.) After the reading of the paper Prof. Smith exhibited six platinum dishes, containing, respectively, depositions of palladium, silver, nickel, cadmium, mercury and iron, obtained by the electrolytic methods described by him in this and former papers.

Dr. Hooker spoke of the compound obtained from pyrrol by picric acid. On heating a mixture of equal molecules of the two at 58° to 60° until the picric acid is dissolved and cooling rapidly, long red needles crystallize out, which were rapidly dried by pressure between filter paper. If the mixture be heated above 60° the compound is not obtained. The method of analysis employed consisted in exposing a weighed quantity to the air and weighing again. This was repeated until weight became constant. The loss represented the pyrrol evaporated. The residue showed the melting-point of picric acid. Theory required 22.6 per cent. pyrrol for a compound of equal molecules of picric acid and pyrrol. Obtained 22.6, 22.7 and 22.9 per cent. loss.

Dr. Keller then presented a paper on Symmetrical Tetrabromacetyl, which was referred for publication.

At the conclusion of the meeting, the election of Mr. Edw. Stevens, as a member of the Section, was announced.

The meeting then adjourned.

H. W. JAYNE, *Secretary pro tem.*