ERRATA.

HEATS OF COMBUSTION OF OCTANES.

T. W. RICHARDS AND R. H. JESSE.

Vol. 32 (1910):

P. 289, line 13, for 4.179 read 1/4.179.

P. 292, line 24, for 110.11 read 114.14.

P. 292, table, last two columns should contain the following figures in order (instead of those given): 5448, 5442, 5454, 5444, 5439 (Kilojoules); 1304, 1302, 1305, 1303, 1301 (Calories).

P. 292, second line below table, for "5247 to 5261" read "5439 to 5454."

P. 293, line 5, for "5253" read "5445."

P. 296, table, the last five numbers in the second column of figures should read "5448, 5442, 5454, 5444, 5439."

P. 296, table, the last five numbers in the last column of figures should read "5482, 5474, 5487, 5477, 5472."

P. 297, line 2, for "688" read "880;" lines 4, and 9, for "172" read "110;" line 4, for "hydrogens" read "hydrogen molecules;" line 11, for "344" read "220" and for "300" read "424."

P. 298, line 13, for "5256" read "5448;" line 14, for "5250," "5261," and "5252" read "5442," "5454," and "5444," respectively; line 15, for "5247" read "5439."

The authors are indebted to Professor W. A. Noyes of Illinois and Professor W. A. Roth, of Greifswald for the discovery of some of these errors, which are in part mere misprints and in part due to an unfathomable mistake in the assumed molecular weight of octane. Fortunately, none of the conclusions of the paper is at all affected by the mistakes, because all of the octanes were equally affected by them.

CORRECTION.

The last half of the sentence at the foot of page 89 (January number of THIS JOURNAL) instead of reading, "and the molal concentration of the H^+ ion $^2 \times 10^4$ being plotted as ordinates," should read, "and the molal concentration of the H^+ ion $\times 10^4$ being plotted as ordinates.[2]" The number (2) refers to a foot-note and does not mean the square of the H^+, as the reading would indicate.

[CONTRIBUTION FROM THE DEPARTMENT OF CHEMISTRY, UNIVERSITY OF CINCINNATI.]

INTERPRETATIONS OF SOME STEREOCHEMICAL PROBLEMS IN TERMS OF THE ELECTRONIC CONCEPTION OF POSITIVE AND NEGATIVE VALENCES.

I. ANOMALOUS BEHAVIOR OF CERTAIN DERIVATIVES OF BENZENE.

BY HARRY SHIPLEY FRY.

Received December 15, 1913.

The fundamental principles employed in various applications of the