The Boiling Point of Para-Cresol.[1]—In my article on *p*-cresol,[2] the literature citations omitted a determination by Clemmensen[3] which has just been found in his article entitled "Über eine allgemeine Methode zur Reduktion der Carbonylgruppe in Aldehyden und Ketonen zur Methylengruppe."

He describes (p. 61) the preparation of *p*-cresol from *p*-hydroxybenzaldehyde but makes no statement concerning the source of the *p*-hydroxybenzaldehyde or its purity. The product, after several distillations, finally boiled at the constant temperature of 201°, at 750 mm. pressure.

From these meager data I have calculated the boiling point at 760 mm. pressure by means of Equations 1 and 2 of my previous article. The values found are (1) 201.50° and (2) 201.54°. They afford no basis for modifying my views previously expressed and the boiling point of 202.32° given in my paper.

The object of this note is to complete the literature citations since Clemmensen's determination is one that might be indefinitely overlooked because of the title of his article.

CONTRIBUTION FROM
UNITED STATES PUBLIC HEALTH SERVICE,
WASHINGTON, D. C.

H. D. GIBBS

RECEIVED MAY 16, 1927
PUBLISHED AUGUST 5, 1927

High Vacuum Distillation.—Sufficient glass wool is placed in the distilling flask to extend slightly above the surface of the liquid. The vacuum distillation of very heavy sirups may be carried out in this way smoothly and without bumping.

CONTRIBUTION FROM THE
DEPARTMENT OF BIOLOGICAL CHEMISTRY,
SCHOOL OF MEDICINE,
WASHINGTON UNIVERSITY,
ST. LOUIS, MISSOURI

EDWARD S. WEST

RECEIVED MAY 23, 1927
PUBLISHED AUGUST 5, 1927

New Fermentation Tube.—In the determination of the qualities of different micro-organisms it is of fundamental significance to know whether the micro-organism is capable of growing in oxygen-containing, oxygen-free or other atmospheres.[1] Up to the present, different bothersome processes have been in use for this purpose. It was found that it is possible to avoid

[1] Published by permission of the Surgeon General, United States Public Health Service.

[2] Gibbs, THIS JOURNAL, **49**, 839 (1927).

[3] Clemmensen, *Ber.*, **47**, 51 (1914).

[1] Nord, *Protoplasma*, **2**, No. 2 (1927).