It seems probable that the phenomenon of resolution of bands at low temperatures may be characteristic of compounds having certain cyclic systems. If this is the case, a spectroscopic study of solutions of compounds at liquid air temperatures may serve as a ready means of recognizing the presence of such characteristic cyclic systems as are present in the porphyrins. In particular we hope that a differentiation between the porphyrins and the closely related chlorophyll derivatives may be possible. A very large number of these compounds have been prepared in this laboratory in a high state of purity and their spectra at low temperatures will be examined in the near future.

A CORRECTION

Due to a mistake in the preparation of Table VII, p. 134, in our article on "The Decomposition of Nitrogen Pentoxide at Low Pressures" in these PROCEEDINGS, 16, 129–135 (1930), the time which is given in the first column is incorrect. The values given should each be multiplied by 2.3, the conversion factor for changing from the natural to Brigg's logarithms. The constants given in the Table are correct, because they were calculated with the correct time.

H. J. Schumacher