The Stellar Coefficient of Absorption.
S. Chandrasekhar, Cambridge.

In a recent paper\textsuperscript{1)} Unsöld has referred to some numerical errors in the formulae (due to Stobbe) for the atomic photoelectric absorption by the $L$-shell. Actually these errors were noticed by the writer more than a year ago and the corrected formulae which were communicated by Dr. Bertha Swirles were published by her in the Proceedings of the Royal Society [Vol. 141, p. 554, 1933, see equations (35), (37) and (48)]. Here it is only necessary to point out that in the usually used formula ($\alpha = 5.62 \cdot 10^{19} \frac{\chi^2}{aT^{1/2}}, \kappa = \alpha P \bar{\chi}$), 5.62 has to be replaced by 5.30 as a consequence of this correction. This difference is "astrophysically" insignificant. A more important correction however is that due to the absorption by the "free-free" transitions which introduces a factor $(1 + 1.52 \cdot 10^{-5} T)$ [cf. E. A. Milne and S. Chandrasekhar, M. N. R. A. S., 5 Vol. 92, p. 185 equation (125'')].

\textsuperscript{1)} ZS. f. Astrophys. 8, Heft 1.