

ERRATUM

To the paper 'The Profiles of Fraunhofer Lines in the Presence of Zeeman Splitting' by J. M. Beckers, *Solar Phys.* **9**, 372.

A comparison of the expressions for the magneto-optical effects in the solar atmosphere given by Rachkovsky (1962) and Beckers (1969a) show a factor of two differences (Stenflo, 1970). This is the result of a mistake in the derivation of Equation (10) in the paper by Beckers. The expressions for dR_b , dR_p , and dR_r in that equation should be multiplied by a factor 2. This in turn leads to a doubling of the expressions for q_R and q_W given in Equations (13) and (14) of Beckers (1969a) and Equations (3), (5) and (8) of Beckers (1969b). Because of this mistake the magneto-optical effects discussed in Section 4 of Beckers (1969a) were underestimated. In good approximation these effects should be doubled also.

In Beckers (1969b) Table I the strength for the Quadrupole $M \rightarrow M \pm 1$ and $J \rightarrow J - 1$ components should be $(J \pm 2M + 1)^2 (J \mp M) (J \mp M - 1)$.

J. O. STENFLO, *Lund*

J. M. BECKERS, *Sacramento Peak Observatory*

References

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Rachkovsky, D. N.: 1962, *Izv. Krymsk. Astrofiz. Observ.* **27**, 148.
Stenflo, J. O.: 1970, *Proc. IAU Symp. No. 43* in Paris (ed. by R. Howard), in press.