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TESTS OF TWO SUSPECTED  $\delta$  SCUTI - VARIABLES.

Frolov (1970) has listed 45 bright stars as suspected members of the  $\delta$  Scuti-class of variables and Breger (1969) determined the boundaries of the appropriate instability strip in the  $M_V - (b-y)$  plane. Observations of two of Frolov's stars are described here.

HR 5062 (HD 116842) was observed photoelectrically for 20 hours during 3 nights of March & May, 1971. The 38-cm siderostat refractor fed the Pierce-Blitzstein dual-channel photometer so that HR 5062 and the comparison star, BD + 55° 1602 were monitored simultaneously. Intermediate band filters with peak wavelengths at 4861 Å and 4995 Å were used. During the observing periods, the star failed to reveal any clear variation above a scatter of slightly less than  $0^m.03$ . Even if one assumes that the large scatter is due to possible beat phenomenon, an unambiguous light maximum should have been detected within the 20 hours of observation.

HR 2123 (HD 40873) has also been suspected as a light variable by Danziger & Dickens (1967). This star was observed for 2 nights during November, 1971 for a total of 9 hours with the refractor and photometer described above. The Johnson & Morgan (1951) V filter was used.

BD + 51<sup>c</sup> 1150 and BD + 51<sup>o</sup> 1151 were used as comparison stars on different nights. HR 2123 failed to reveal any light variability in excess of 0.<sup>m</sup>01.

These results imply that either these stars are not really pulsating or, even if they do pulsate, that the amplitudes of their luminosity variations are not yet large enough to establish them as members of  $\delta$  Scuti-class.

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