COMMISSION 27 OF THE I. A. U.
INFORMATION BULLETIN ON VARIABLE STARS
NUMBER 350

Konkoly Observatory
Budapest
1969 May 13

PERIODS OF VARIABLES 5 AND 9 IN M13

Variables 5 and 9 (notation from Sawyer, 1955) in the globular cluster M13 = NGC 6205 have been investigated utilizing 57 recent plates taken on the Yale one-meter and U.S. Naval Observatory 1.5 meter reflectors. The following characteristics for the stars have been obtained (photographic magnitude and heliocentric dates are used):

Var	Max.	Min.	Epoch	Period	Class
5	14.6	15.3	2440046.7820	0$381793	RRc
9	14.6	15.3	2440038.8121	0.392713	RRc

The period derived for Variable 5 also fits the seven old observations by Shapley (1915) but fails to fit those of Kollnig-Schattschneider (1942). However, the Kollnig-Schattschneider observations fit reasonably well the period of Variable 9. Since the two stars form a close double (separation 2.5") and at the time she made her observations, Kollnig-Schattschneider did not know that both components are varying, it appears that her observations actually refer to the second star and were misidentified. Details of this investigation will be published elsewhere.

5 May, 1969

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