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Konkoly Observatory
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ON THE VARIABLE STARS IN FIELD OF M2

The three variable stars discovered by R. Margoni and R. Stagni in the field of the globular cluster M2 = NGC 7089 (IBVS 239, 1967 Dec. 9) were estimated on 64 Moscow plates (J.D. 2437078 - 277). All three variables belong to the RRc-type with the following elements:

x"	y"	Max. J.D. hel. 2437...	Period	Max.	Min.	A	M - m
- 189	- 707	138.210	0.3619	15 ^m .6	16 ^m .2	0 ^m .6	0 ^p .40
+ 235	- 502	138.512	0.3193	15.8	16.2	0.4	0.50
+ 400	+ 74	138.276	0.2863	15.8	16.2	0.4	0.42

All the magnitudes are given in the photographic system of V.I. Kulikov (VS 13, 400, 1961).

Sternberg State Astronomical
 Institute Moscow,
 8th February 1968

B. V. KUKARKIN

NEW VARIABLE WITH SYMBIOTIC SPECTRUM

One of the variable stars discovered in VSF 193 in Sagittarius is the symbiotic-spectrum star, MH_α 208-51, or No. 313 in the Merrill-Burwell (Astrophys. J., 112, 72, 1950) list of stars whose spectra show H_α in emission:

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Position (1900)		Max	Min	
18 ^h 31 ^m 59 ^s	-22° 46'7	14.0	15.3	Sp. M6e
Primary Min. = 2429850 + 850 ^d n				

The light curve and period closely resemble those of CI Cygni, with long duration of maximum and comparatively short minima (cf, Aller, L.H. Pub.Dom.Astrophys.Obs., 2, 321, 1953). In CI Cyg two almost nova-like outbursts have been observed, one by N. Greenstein (Bull. Harvard Coll. Obs. No. 906, 1937) on Harvard plates of 1911, and another in May, 1937, on plates of the Maria Mitchell Observatory (AAVSO Abstracts, October 1966). No such outbursts have been found for MH_α 208-51. Both stars merit extensive observation.

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