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NEW VARIABLE STARS IN THE CENTRAL REGION
OF THE GLOBULAR CLUSTER M 15 = NGC 7078

By blinking some 103a-0 photographs of the globular cluster M 15 taken at Asiago at the cassegrain focus of the 122 cm telescope (scale: 1 mm = 10²6) the following new variable stars have been found in the central region:

Var.No.	x"	y"	m _p	Küstner's No.
106	-30.3	+12.8	15.5-16.0	438
107	-32.5	-21.8	15.5-15.9	424
108	-32.4	-51.1	15.5-15.9	425
109	+12.7	-31.3	15.5-16.1	633
110	+31.7	-37.4	15.5-16.0	726
111	+41.7	- 0.7	15.3-16.2	777
112	+55.5	+35.0	15.3-16.3	822

Magnitudes of the new variables have been determined in about thirty plates by visual estimates with stars of Johnson and Schwarzschild (Ap.J. 113,630,1951). All of the variables belong to the RR Lyrae type; Nos.106 to 110 very likely are RR-c stars of small amplitude.

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