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VARIABLES IN NGC 188

Four variables have been found in the old galactic cluster NGC 188 on plates taken with the Schmidt Camera 135/200/400 cm of Karl Schwarzschild Observatory. The stars S 8279 and S 8280 had been noticed by Dr. Richter first and have been recovered independently by the author. Three of the new variables proved to be pulsating stars with ultra-short periods.

1855.0

S 8278 Cep	0 <sup>h</sup>	33. <sup>m</sup> 9	+84°28'	Ecl.	17. <sup>m</sup> 0	-17. <sup>m</sup> 5	
					min = 243 8331.492 + 0. <sup>d</sup> 74055.E		
S 8279 Cep	0	36.0	+84 26	RRs	16.2	-16.9	
					max = 243 8246.381 + 0. <sup>d</sup> 143829.E		
S 8280 Cep	0	36.1	+84 27	RRs	16.2	-16.8	
					max = 243 8246.383 + 0. <sup>d</sup> 1503085.E		
S 8474 Cep	0	33.3	+84 33	RRs	17.0	-17.5:	
					max = 243 8246.454 + 0. <sup>d</sup> 126246.E		

Sonneberg Observatory, 15 September 1964

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