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TWO VARIABLES OF BETA LYRAE TYPE WITH LONG PERIODS

Recommended for spectrographic and photoelectric observations are the two variables of Beta Lyrae type, EP Lyrae and HP Lyrae. Both objects have been formerly classified as RV Tauri type stars according to their periods when no spectrographic observations were available. Objective prism plates taken with the Sonneberg 50/70/172 cm Schmidt telescope revealed the early supergiant spectral types of both stars.

Data of the two stars:

	period	spectrum	range		max. brightness
			primary	second.	
EP Lyr	83 <sup>d</sup> .315	A1 + G1	0.6 <sup>m</sup>	0.2 vis. <sup>m</sup>	9.9 vis. <sup>m</sup>
HP Lyr	140.75	A1 + A1	0.5	0.5 pg.	10.5 pg.

Noteworthy are the secondary variations of brightness during primary minimum of EP Lyrae. These lead to the conclusion that the G component of this pair is intrinsically variable.

For further details see MVS 499 - 500 and 586 - 588 (forthcoming).

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