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 INFORMATION BULLETIN ON VARIABLE STARS  
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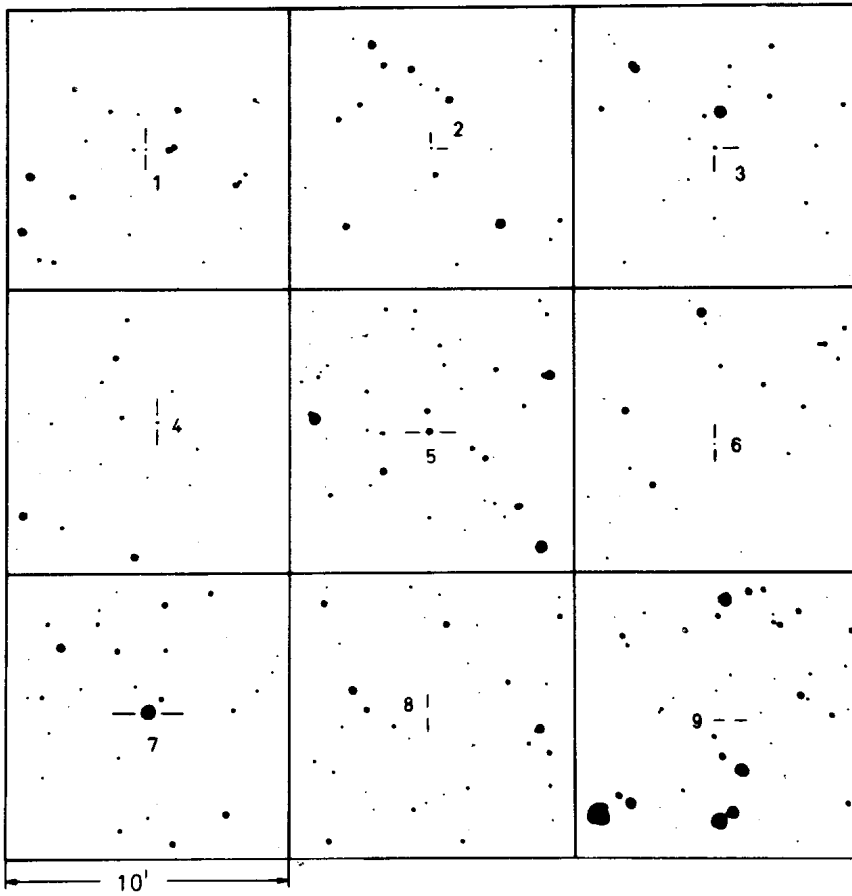
Konkoly Observatory  
 Budapest  
 1975 February 27

NINE NEW VARIABLE STARS IN A FIELD AROUND  $\mu$  Cep

For a variable star search in stellar associations a total of 21 blue plates centered on  $\mu$  Cep have been obtained in 1961/62 with the B-objective (Sonnefeld four lens system F/5; F=206 cm) of the Bruce double camera of the Heidelberg-Königstuhl Observatory by one of the authors (E.H.G.). Each plate covers a field of about 6.6 x 8.3 square degrees. Two pairs of plates have been searched for variable stars, resulting in the discovery of nine variables, not designated in the GCVS (1969), GCVS 1. and 2. Suppl. (1971/1974) and the CSV catalogs I and II. For the estimates of the range of variability we used a sequence of B-magnitudes, derived by means of photographic transfer of a photoelectric sequence in the nearby cluster NGC 7128 (Hoag, A.A. et al. 1961, Publ. US Naval Obs. Vol. 17 part 7). This transfer has been done with the astrograph of the Hoher List Observatory (same four lens system F/5; F=150 cm). The preliminary results are given in the table. The accuracy of the coordinates corresponds to the positional accuracy of the Bonner Durchmusterung. The remarks in the last column refer to the estimated colours on the POSS-charts, where "r" means, that the star is brighter on the red print, "b", that the star is brighter on the blue print and "r=b", that the star has roughly the same brightness on both prints. The identification charts, which are enlargements from two original plates, have north up and east to the left.

Details will be published elsewhere.

No.	RA <sub>1900</sub>	D <sub>1900</sub>	Max	Min	colour
1	21 <sup>h</sup> 23 <sup>m</sup> 38 <sup>s</sup>	+61 <sup>o</sup> 56 <sup>'</sup> 7	16 <sup>m</sup> 5	17 <sup>m</sup> 2	r=b
2	24 40	55 34.7	16.1	(17.6	r=b
3	30 56	55 07.9	15.0	15.8	r
4	31 37	55 28.8	15.5	16.1	r
5	35 16	61 00.1	13.8	14.6	r=b
6	47 03	57 09.6	16.3	17.2	r
7	54 52	59 52.7	11.3	11.9	b
8	59 21	61 27	16.6	17.1	r=b
9	22 06 53	61 17	16.6	17.4	r



E. H. GEYER  
 F. GIESEKING  
 Astronomische Institute der  
 Universität Bonn  
 Observatorium Hoher List