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NEW FLARES IN THE PLEIADES

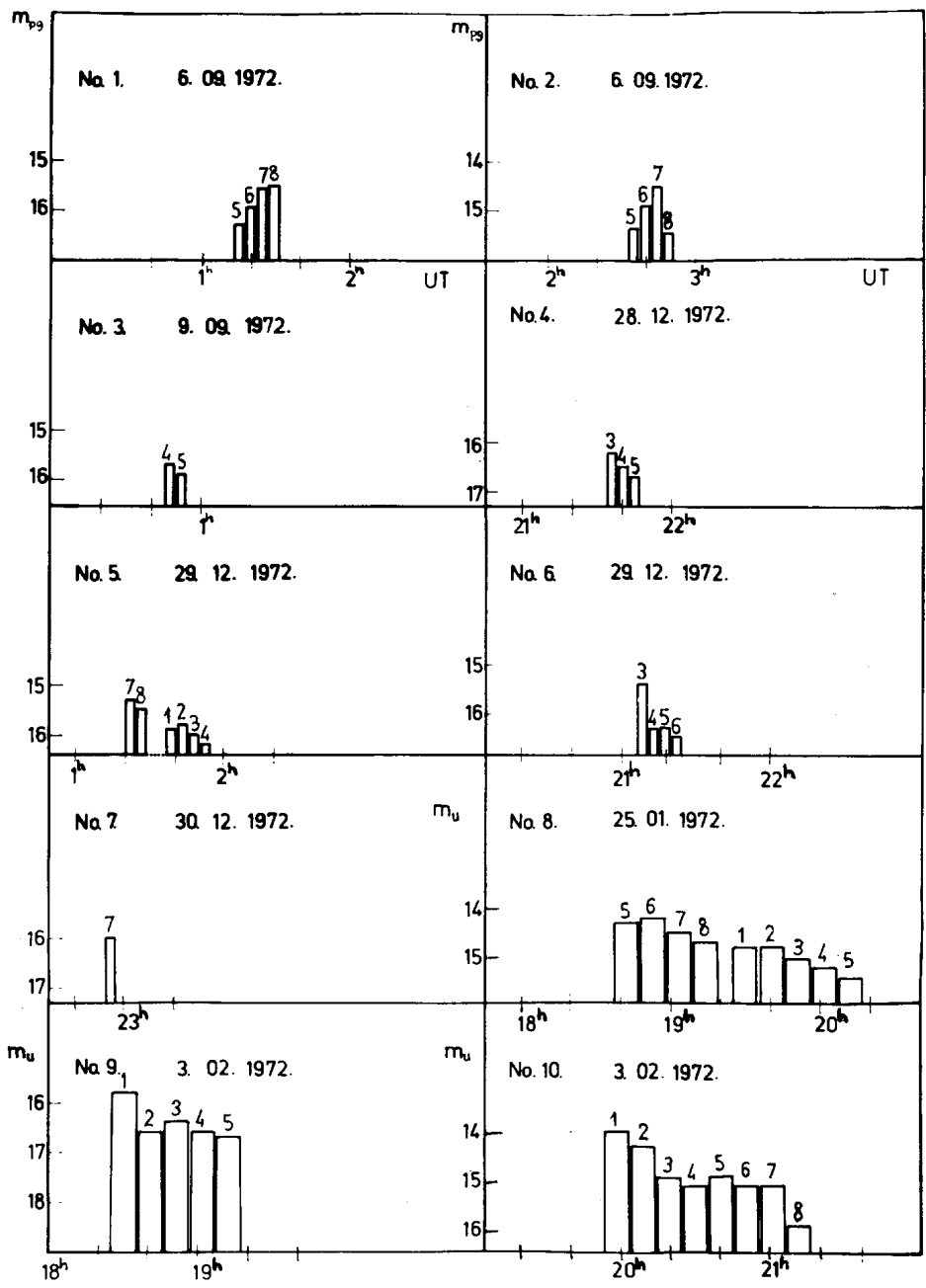
In course of searching flares in the Pleiades ten new flares were observed in 28 hours of effective observational time in the period from September 6, 1972 to March 7, 1973. Among the stars flared up seven new flare stars were discovered. The observations were made on 103a-0 plates without or with UG₁-1 mm filter (12.4 hours and 15.6 hours, respectively). The exposure time was 4 minutes on the direct plates and 10 minutes on the UV plates. The necessary informations about our flares are summarized in the Table. Figures Nos 1 - 10 show the brightnesses of the flares in course of the time.

Table

No	Design.	α (1900)	δ (1900)	Δm (pg) (u)	m_{\min} (pg) (u)	Date
1	K14=Ton36	3 ^h 36 ^m 4	+23°35'	1.5	17.0	Sept.6, 1972
2	K15	3 42.7	22 24	1.6	16.1	Sept.6, 1972
3	K16	3 39.7	22 42	0.9	16.6	Sept.9, 1972
4	K17	3 33.2	23 59	1.1	17.3	Dec.28, 1972
5	K18=Ton82	3 41.5	23 58	1.1	16.4	Dec.29, 1972
6	K19	3 49.6	24 25	1.4	16.8	Dec.29, 1972
7	K20	3 41.5	24 36	1.3	17.3	Dec.30, 1972
8	K21=Ton75	3 38.9	24 56	1.7	15.9	Jan.25, 1973
9	K22	3 37.0	24 00	3.2	19.0	Feb. 2, 1973
10	K23=HII2368	3 43.7	23 8	2.4	16.4	Feb. 2, 1973

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(Numbers at the top of the columns are the serial numbers of the exposures on the plate.)