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 INFORMATION BULLETIN ON VARIABLE STARS
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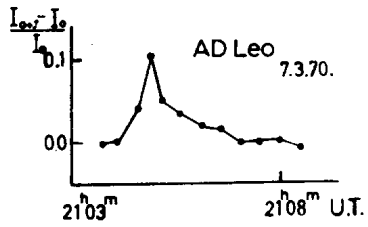
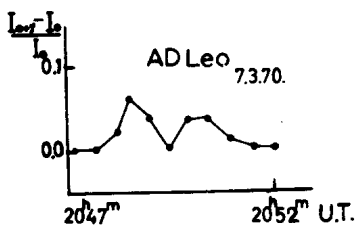
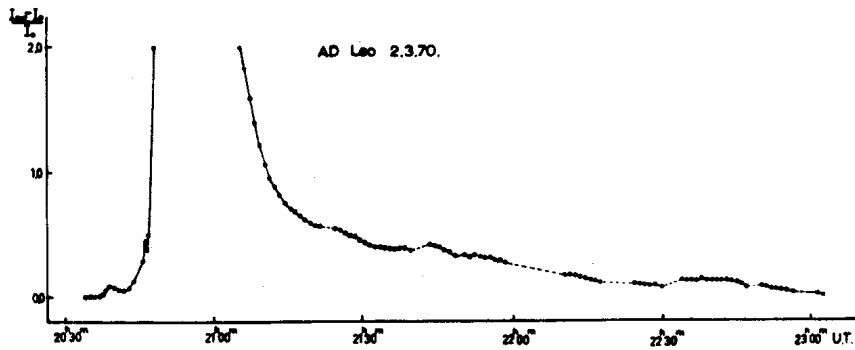
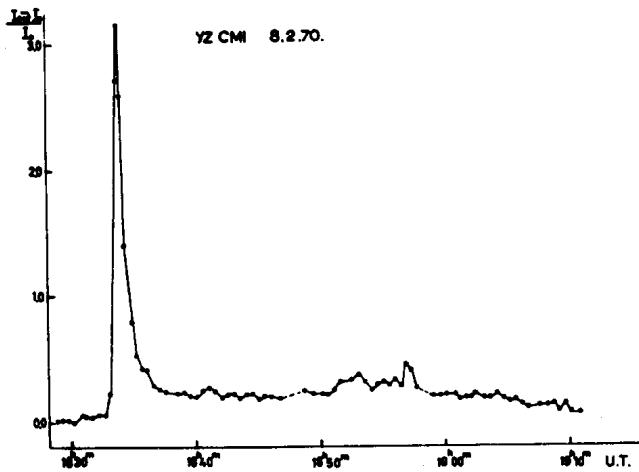
Konkoly Observatory
 Budapest
 1970 June 29

PHOTOELECTRIC OBSERVATIONS OF FLARE STARS

YZ CMi, AD Leo and BD +13°2618 were monitored photoelectrically with the 64-cm meniscus telescope of the Crimean Astrophysical Observatory during (and partly outside) the periods of cooperative observations in 1970. The photometric system was the same (similar to B) as in our previous observations. The dates and UT of coverage are given in Table I. Table II contains the following characteristics of flares: moments of maxima (UT); durations of flares before and after maxima, t_b and t_a (in minutes); amplitudes of flares Δm_p in stellar magnitudes; the limiting amplitude of a flare Δm_{lim} which could be detected; integrated intensities P (in minutes); and the air masses $M(z)$. The detailed description of the manner in which these characteristics should be obtained was given earlier (1). The light curves of flares in relative intensities are given on the figures.

Table I

Date 1970	UT of coverage
	YZ CMi
Febr 8	1710-1913
	AD Leo
March 2	2028-2138, 2140-2203, 2210-2217, 2223-2231, 2233-2247, 2249-2255, 2303-2306, 2310-2317, 2332-2338, 2346-2357, 2359-0000
March 3	0000-0009, 0013-0045, 0048-0130, 0133-0143
March 4	1707-1816, 1818-1830
March 7	1805-1817, 1841-1911, 1916-1930, 1932-1950, 2009-2304, 2307-2311, 2321-2332, 2343-0000
March 8	0000-0200, 1809-1830, 2217-2250, 2302-2315, 2326-2346
March 10	1700-1715, 1730-1747, 1752-1812, 1824-1846, 1847-1900, 1903-1916
March 12	1654-1753, 1801-1945, 1959-2019, 2031-2038, 2048-2218, 2339-0000
March 13	0000-0014
	BD +13°2618
March 31	1847-2017, 2035-2045, 2052-2131, 2132-2231, 2233-2344
April 1	0002-0024, 0025-0045, 0050-0100
April 9	1855-1907, 1909-2024, 2027-2101, 2103-2130, 2132-2152, 2202-2217, 2223-2347, 2355-2402



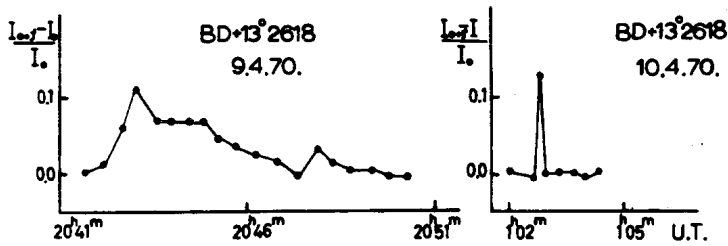
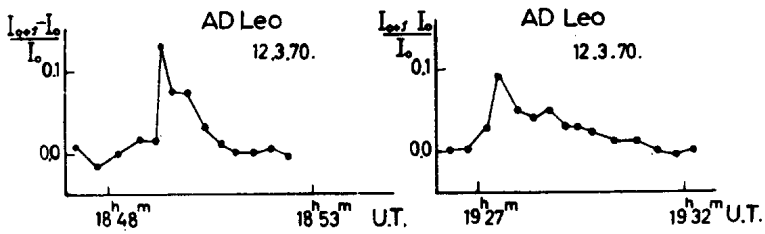
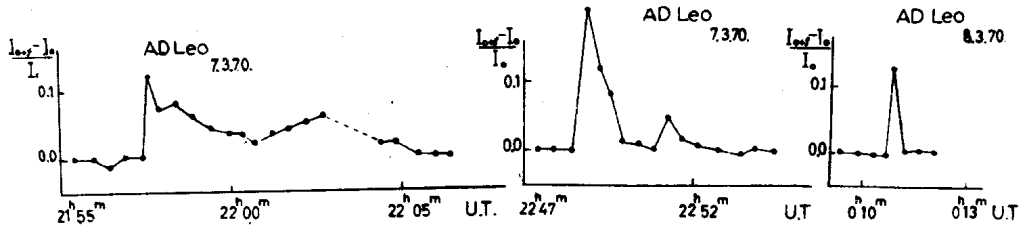
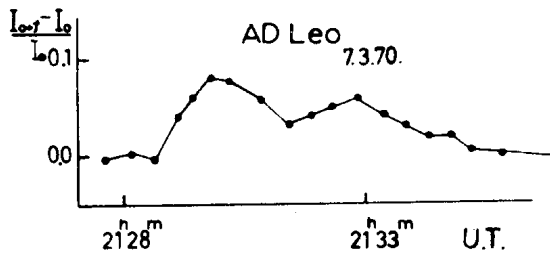


Table I - Continued

Date 1970	UT of coverage
April 10	0004-0047, 2104-2146, 2230-2300
April 21	1836-1931, 1936-2023, 2030-2315
April 25	1832-1941, 1944-2002, 2004-2132, 2135-2232
April 26	1854-1942, 2019-2054
April 27	2230-2242, 2244-2349, 2357-2416
April 28	0028-0047, 0055-0102, 1845-1905, 1928-2130, 2219-2238, 2240-2311, 2325-2335, 2339-2447
April 29	0053-0101

Table II

Date and UT of flare maximum	t_b	t_a	Δm_B	Δm_{lim}	P	M(z)
Febr 8 18 33.7	1.0	36	1.25	0.06	10.8	1.5
March 2 20 55.0	10:	65	>0.75	0.05	>316	1.1
7 20 48.5	0.7	2.7	0.06	0.04	0.09	1.1
7 21 04.9	0.7	2.1	0.10	0.04	0.09	1.1
7 21 29.8	1.2	5.2	0.08	0.04	0.28	1.1
7 21 57.6	0.2	7.6	0.12	0.04	0.40	1.1
7 22 48.8	0.2	3.7	0.20	0.04	0.17	1.2
8 00 10.8	0.2	0.4	0.12	0.04	0.04	1.5
12 18 49.3	0.5	1.7	0.13	0.04	0.11	1.1
12 19 27.5	0.7	3.5	0.09	0.04	0.14	1.1
April 9 21 43.0	1.0	6.0	0.11	0.03	0.25	1.2
10 01 02.8	0.1	0.2	0.13	0.03	0.02	1.3

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(1) A. D. Andrews, P. F. Chugainov, R. E. Gershberg, V. S. Oskanjan,
IBVS No. 326, 1989.