

COMMISSION 27 OF THE I. A. U.
INFORMATION BULLETIN ON VARIABLE STARS
NUMBER 452

Konkoly Observatory
Budapest
1970 July 18

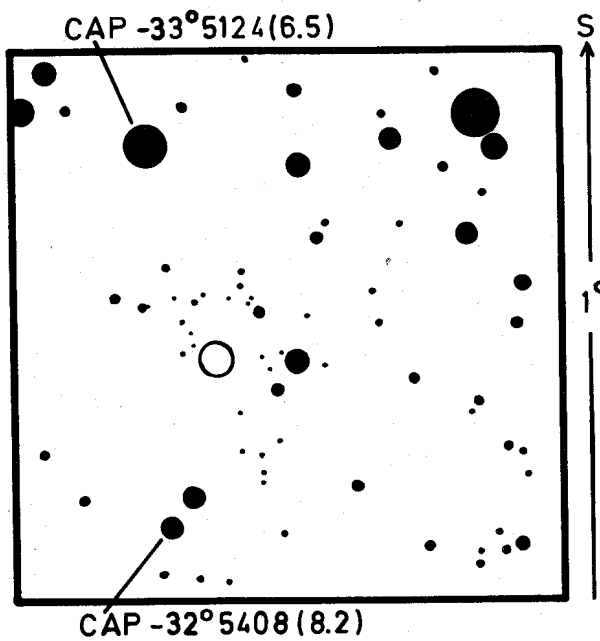
NOVA SAGITTARII 1969, BV 1262

Nova Sagittarii 1969 was discovered on Bamberg plates taken by I. Paterson with the 10cm Tessar cameras located at Mount John University Observatory, New Zealand. Exposures of 60 minutes were all made with Gevaert 67A50 plates. The limiting magnitude of these plates is about 12.8. The position of the nova is: RA=18^h28^m3, D=-32°39' (1950); $\alpha_{III}=1^{\circ}52'$, $\delta_{III}=-10^{\circ}42'$ (1950). The magnitudes were determined by use of an iris photometer. The Argelander Step Method was used in conjunction with the selected areas of Brun and Vehrenberg (1) and certain selected stars having published photoelectric magnitudes (2). The results are given below. Because of the

Date	Julian Date	Magnitude
1969 23 June	2440395.0208	below 12.8
8 July	410.0049	7.1
10 July	412.9826	6.9
13 July	415.9459	7.6
6 Aug.	439.9125	8.7
7 Aug.	440.9160	8.8
16 Aug.	449.8806	8.8
5 Sept.	469.8507	10.7

apparent brightness of the nova the selected areas of Brun and Vehrenberg could not be used and other comparison stars had to be found for the first three dates on which the nova could be seen. The published B magnitudes of HD 163667, HD 170040, HD 170279 and HD 170320 were then used for these three dates.

Application of Arp's results for nova in M31(3) to the rate of decline leads to $M = -6.7$ at maximum light and an apparent distance of 5300 parsecs. Lying as it does near the plane of the Galaxy, the nova may be appreciably obscured. The assumption has been made that the nova reached maximum light on JD 2440413. Below is the finding chart for Nova Sagittarii 1969 made from the plate taken at time of maximum brightness.



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- (1) Brun, A., and Vehrenberg, H. 1965, Atlas of Harvard-Groninger Selected Areas (Düsseldorf: Treugesell-Verlag).
- (2) Blanco, V.M., Demers, S., and Fitzgerald, M.P. 1968, Photoelectric Catalogue, Pub. of U.S. Naval Obs. 2nd series, Vol. XXI.
- (3) Arp, H.C. 1956, A.J., 61, 15.