

COMMISSION 27 OF THE I. A. U.
INFORMATION BULLETIN ON VARIABLE STARS
NUMBER 494

Konkoly Observatory
Budapest
1970 December 8

NOVA SAGITTARII 1970 = SVS 1728.

The nova was found on a 8° objective-prism plate taken 1970 July 29 by R. Bartaja and T. Vashakidse at Abastumani with the 70-cm reflector. The approximate coordinates as measured on the BD-Atlas are $\alpha = 18^{\text{h}}27^{\text{m}}34^{\text{s}}.01$, $\delta = -18^{\circ}48' +1''$. (1855) The spectral region covered is $\lambda\lambda 3700-5000$ at a dispersion of about 160 Å/mm at H_{γ} . The magnitude of the nova on this plate is near $m_{\text{pg}} 13^{\text{m}}$. The appearance of the spectrum is as follows: bright lines H_{β} , H_{γ} , H_{δ} ; N_1 is fainter than H_{β} , the intensity of $\lambda 4363$ is approximately equal to that of H_{γ} , a faint broad $\lambda 4640$ is present. The spectrum seems to have been obtained at the beginning of the nebular stage, so that the star was probably about 5 magnitudes down from the maximum light. The nova is invisible on the spectral plates taken in 1968 with the same limiting photographic magnitude.

Sternberg Astronomical Institute
Moscow, 30 Nov. 1970

V. ARHIPOVA,
O. DOKUCHAEVA