

COMMISSION 27 OF THE I. A. U.  
INFORMATION BULLETIN ON VARIABLE STARS  
NUMBER 581

Konkoly Observatory  
Budapest  
1971 September 18

V 1057 CYGNI

In a further search for early photographs of this star (cf. Robinson and Harwood, IBVS 568, 1971), it was found on the "Photographische Sternkarten", Vol.X, Blatt 198 (Palisa and Wolf, Wien 1931), from a plate taken 1905, July 26 by Wolf. The star then was slightly fainter than  $m_{pg}=16.5$ . The plate contains what is obviously a plate fault just to the east of the star, resembling a small bright nebula, that is not seen on another plate, taken 1901, July 12 by Wolf (Die Milchstrasse und die kosmischen Nebel, Bild 12, Potsdam 1925). On this latter plate the magnitude of the star also appears to be around 16.5, rather somewhat fainter.

The star was also found, with a magnitude definitely fainter than 16.5, on the reflector plate covering regions 44 and 46 in Isaac Roberts' Atlas of 52 Regions, a Guide to Herschel's Fields (D. Klumpke Roberts, Paris 1929). The plate was taken 1896, October 10, and shows some coma, but not the probable plate fault.

Thus V 1057 Cygni seems to have brightened just slightly between 1896 and 1921, when its magnitude was 16.3 (Robinson and Harwood, op. cit.). It then remained as a low-amplitude T Tauri variable ( $16.0+0.3$ , Meinunger and Wenzel, MVS 5:9, 1971) up to the brightening of about 6 magnitudes and spectral change in 1969 (Welin, Astr. and Ap. 12, 312, 1971, Herbig and Harlan, IBVS 543, 1971).

The comparison stars used are h and k in Meinunger and Wenzel, op. cit.

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