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NOTE ON V 1329 CYGNI = HBV 475

This emission line variable star was found by Kohoutek (1969) and its lightcurve was investigated by Stienon et al. (1974). They found a periodicity of about 960 days together with some irregular fluctuations.

We took yellow plates (103a-D+GG495) with the 31.4 cm f/16 refractor of the Wilhelm Foerster Observatory, Berlin and blue plates (Orwo ZU 2) with the 30 cm f/5 fourlens astrograph of the Observatorium Hoher List of the University of Bonn. The magnitudes of the star on these plates, listed in Table 1, were obtained by measuring the plates with an iris photometer. The magnitudes of the comparison stars, given in Table 2, are based on photoelectrical measurements kindly communicated by Dr. Kohoutek.

From our yellow observations, we found fluctuations of about 1.5^m in V within a few hundred days. But also, short time lightcurve activity occur as is shown by the last four blue plates taken within a time interval of 10 days and showing an amplitude of about 0.5^m in B.

We acknowledge the support by the Hoher List Observatory for carrying out the observations and the use of measuring instruments and we thank Dr. Kohoutek, Hamburg for communicating his photoelectric measurements.

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References:

- Kohoutek, L., 1969, I.B.V.S. No. 384
Stienon, F.M., Chartraud, M.R., Shao, C.Y., 1974, Astron.J. 79, 47

Table 1
Observations

| Spectral Range | Date (J.D. geo.) | Mag. | N |
|----------------|--------------------------|--|---|
| V | 2443010 ^d 504 | 13 ^m .17±0 ^m .05 | 6 |
| | 3372.401 | 12.55 | 6 |
| | 3525.230 | 11.7 ±0.1 | 5 |
| | 3579.624 | 12.5 | 5 |
| | 3677.421 | 12.94±0.05 | 4 |
| | 2881.637 | 14.0 ±0.1 | 5 |
| B | 3374.527 | 12.96±0.05 | 7 |
| | 3713.482 | 14.27 | 6 |
| | 3718.449 | 14.04 | 6 |
| | 3719.435 | 13.76 | 7 |
| | 3723.517 | 14.19 | 5 |

N: Number of used comparison stars

Table 2

Adopted magnitudes of the comparison stars
(designation according to Kohoutek 1969)

| Star | V | B-V | Star | V | B-V |
|------|---------------------|---------------------|------|---------------------|---------------------|
| a | 10 ^m .16 | +1 ^m .07 | f | 13 ^m .59 | +0 ^m .82 |
| b | 10.34 | 1.07 | g | 13.46 | 1.02 |
| c | 11.06 | 1.22 | 7 | 12.90 | 0.80 |
| d | 11.61 | 1.39 | 42 | 13.62 | 0.49 |