

The assistance of Marvin E. Baldwin in supplying the AAVSO visual estimates of XZ Cygni is gratefully acknowledged.

REFERENCES

- Baldwin, M. E. 1973, JAAVSO, 2, 14.
 Blazhko, S. N. 1922, Astron. Nachr., 216.
 Pop, V. 1975, Information Bull. on Variable Stars, No. 990.
 Smith, H. A. 1975, P.A.S.P., 87, 465.
 Taylor, M. 1975, JAAVSO, 4, 25.

THREE UNUSUAL VARIABLES IN CYGNUS

KAREN MEECH
 Maria Mitchell Observatory
 Nantucket, MA 02554

Abstract

Three suspected variables in Cygnus were examined on the plates of the Maria Mitchell Observatory. All three prove to be of unusual type:

- S4802 is apparently semiregular with cycles on the order of 80 days;
S4831 is probably RV Tauri type with half cycle lengths ranging from 120 to 160 days;
S4846 is an unusual star with long-period semiregular cycles interrupted by intervals of relative quiescence. A beat phenomenon may be present.

Details on these stars are published in the Information Bulletin on Variable Stars of the International Astronomical Union.

* * * * *

THE LIGHT VARIATIONS OF V SAGITTAE

ROBERT McCORMICK ADAMS
 80 S. Main Street
 Florence, MA 01060

Abstract

The light curve of this nova-like star displays three types of variations: (1) Brightening of up to three magnitudes associated with the ejection of hot gas from either or both components of the close binary, (2) eclipses whose shapes vary from cycle to cycle, (3) irregular and very rapid fluctuations, called "flickering."

This flickering was observed visually on several nights in October, 1978, when the star appeared to change brightness by up to 0.6 mag. in several seconds.

* * * * *