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# The Astronomer

Founded 1984

1979 May 15.

Production:  
Anne Hurst.

## Supernova in NGC 4321

Further to the announcement on Circular 35, a chart and sequence are now available via AAVSO Circular 102. The sequence is preliminary:

1, 12.8; 2, 13.0; 3, 13.2;  
4, 13.3; 5, 14.1; 6, 14.4;  
7, 14.5; 8, 15.4.

The discovery, by Johnson, is only the third supernova to be found visually in history,

(others by Hartwig and Bennett). A possible PRE-DISCOVERY photo has been received at TA HQ from Finland and is under analysis.

All further reports should be sent to Nigel Henbest of 55, Colomby St., London, SE10

(Tel: 01-853-0574) who will undertake an analysis which will appear in 'The Astronomer' in due course. Latest observation by Hurst: 1979 May 14.91UT, 12.8v (26cm reflector).

## Nova-Like Object in Vulpecula

It would appear that this object has been relatively bright (mag 10) since mid-1978. All readers should check any negatives of this region taken in the last two years and send any possible positive results to the Editor as soon as possible. Actual negatives are preferred, on loan, for the analysis. Extension to the sequence on Circ. 35 from visual transfer (V Sge) by D. Branchett and G. Hurst: 2, 7.8; 3, 8.2; 4, 8.8; 5, 9.0; 6, 9.4; 7, 9.7; 8, 10.0; 10, 10.7; 9, 11.0; 11, 11.8; 12, 12.1; 13, 12.4.

## Z Cam

Several observers have reported that the long standstill (since 1976 June) has ended and the star is currently just below mag 13. Observations, please, to Melvyn Taylor, Variable Star Editor of The Astronomer.

## EDITORIAL NOTICES

The Editor/Secretary of TA will be on holiday from May 20-25 and will not be contactable during this period. Telephone alerts will continue but no circulars will be issued until our return. Any persons coming to the June 9 meeting who have not sent in their form, please do so without delay.

G.H. Hurst.

