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FURTHER OBSERVATION OF RAPID OSCILLATIONS IN VW Hyi

During the supermaximum of VW Hyi in December 1972, oscillations of VW Hyi were observed with periods in the range 28 to 34 secs (Warner and Harwood, IBVS No.756, 1973; Warner and Brickhill, MNRAS, in press).

A further supermaximum started on November 22, 1973 and we have observed this extensively using the McClean 24 inch refractor in Cape Town and the Elizabeth 40 inch reflector at Sutherland. As with the previously observed supermaximum, no oscillations were detected throughout the maximum of the outburst, but rapid periodic variations were seen on 6th December 1973 when VW Hyi was well down the recovery part of its light curve.

The behaviour is quite complex, with evidence of changes in period. Periods of 31.0 and 33.6 secs are seen in power spectra of the light curve. These were present at the beginning of the observing run but died out during the run. A detailed analysis is being undertaken.

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20th December, 1973.

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NOVA IN LARGE MAGELLANIC CLOUD

J.A. Graham reported in IAU Circ. 2605 the discovery of a nova in the L.M.C. at (1975) 5h15.5m -69°41'.

An examination of patrol photographs by B. Ward (Tirau) and R. North (Blenheim) provide the following observations:

1973 Oct. 29 U.T.	Nova invisible < 13 ptg.	B.Ward
Nov. 16.44 U.T.	Nova invisible < 13.3 ptg.	R.North
19.43 U.T.	Nova = 13.4 ptg.	R.North
26.36 U.T.	Nova = 11.6 ptg.	B.Ward

Magnitudes were determined by comparison with the sequence by Bok and Bok (MNRAS, 121, 1960). R.L. Millington, Carter Observatory, reported the nova at magnitude 14.0 visual on December 7.

1973 Dec.26

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