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ON THE SHORT PERIOD LIGHT VARIATION OF NOVA CYGNI 1975
(V 1500 Cyg)

The photoelectric observations of the short period light variation detected in Nova Cygni 1975 (Tempesti, 1975a; Koch and Ambruster, 1975a), pursued at the Teramo Observatory till the beginning of October, showed a steady decrease of the amplitude from O^m_{15} to O^m_{03} in V light. However on October 27 Marcocci et al. observed an amplitude as great as O^m_{26} (Marcocci et al., 1975); therefore the range of the fluctuation appears to be highly variable. Also the shape of the light curve results strongly variable from one cycle to the other, with differences even greater than those appearing among the light curves already shown in this Bulletin (Tempesti, 1975b; Semeniuk, 1975).

The period on the contrary shows only small variations around a mean value of about O^d_{139} . The Teramo observations allowed to secure light minima at J.D. $_{\odot}$ 42665.438, 665.572, 667.409, 667.552, 670.368, 670.503 and 688.440; maxima at J.D. $_{\odot}$ 665.483, 667.463, 670.437, 670.564, 681.377 and 688.383. These determinations, together with other published times (Koch and Ambruster, 1975a and b; Semeniuk, 1975; Lindgren and Lindegren, 1975), give indication of a continuous variation of the period length which ranges from O^d_{137} to O^d_{141} with an O-C period, if any, of the order of 20 days, although the possibility that abrupt changes have occurred cannot be ruled out.

From the available material no conclusive evidence could be drawn about the existence of two kinds of maxima or minima which should alternate yielding a value O^d_{28} for the period.

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