

COMMISSION 27 OF THE I. A. U.
INFORMATION BULLETIN ON VARIABLE STARS

NUMBER 709

Konkoly Observatory
Budapest
1972 August 15

VARIABLE COMPACT GALAXY OR SUPERNOVA
IN A COMPACT GALAXY

The compact galaxy at

R.A. = $22^{\text{h}}17^{\text{m}}3$, Decl. = $+08^{\circ}35'$ (1950)

has on two different nights the following apparent magnitudes:

September 21, 1952 $m_{\text{v}}=17.4$ $m_{\text{p}}=17.9$

July 30, 1954 $m_{\text{v}}=17.0$ $m_{\text{p}}=17.7$

This compact galaxy has a faint halo. The spectrum of the system is now being checked by professor Oke with his scanner at Palomar and direct pictures are being taken by one of our students with the 48-inch Schmidt.

As I mentioned at Brighton it will be important to observe the brighter variable compact galaxies (like 1 Zw 1) as often as possible with small telescopes. When an outburst occurs stations with large telescopes should be informed immediately, so that spectra can be obtained which will enlighten us about the phenomena involved.

August 10, 1972

F. ZWICKY
Dorfstrasse 95
CH 3073 Gümligen/BE
Switzerland