

THE SHORELINE OBSERVER



*Newsletter for the
Shoreline Amateur Astronomical Association*

President- Peter Burkey

Vice President- Steve Tuls

Secretary/Treasurer- Rob Tuls

Robert Wade, Editor

May 1991

May Meeting

The May meeting of the Shoreline Amateur Astronomical Association will be held on May 16th, beginning promptly at 7:00 PM in the West Ottawa Middle School Planetarium in Holland, Michigan. Refreshments will be provided. The agenda will be as follows:

- | | |
|-----------|--|
| 7:00-7:15 | Socializing. Refreshments will be provided by Phil Sherman. |
| 7:15-7:30 | The May Night Sky by Sandy Plakke and Constellation of the Month by Bob Wade. |
| 7:30- | Video showing or SAAA Starbow! Quiz. Observing after the meeting, weather permitting. Bring a scope. |

Executive Board Meeting

The meeting was held April 25th with Pete Burkey, Rob Tuls, Steve Tuls, Arlin Ten Kley, Sandy Plakke, and Michelle Tuls present. We summarized Astronomy Day 1991 all present agreed it was a great success. There were plenty of interested people, and everyone did a great job working with them. We would like to give a special thanks to Arlin Ten Kley, Mark Logsdon, Steve Tuls, Rob and Michelle Tuls, Bob Wade, Sandy Plakke, Jim Hotchkiss, and Phil Sherman for their dedication and work.

3882 62nd Street
Holland, Michigan 49423



We formulated ideas for a corporate sponsor for allowing kids to build telescopes at LibertyFest. Other ideas were pinhole telescopes and a sundial.

Our May star party will take place at Bob Wade's house on May 10th or 11th (both nights if it's clear!). The 22" dobsonian will be available for use. We would also like a public viewing party at Kollen Park on May 17th. The June star party will be held June 14th or 15th. The June club meeting will be on Thursday, June 20th.

Respectfully submitted by Rob Tuls

1991 Observing Program

Due to our infamous cloudy weather, there has not been much of a change in our point standings. We now have four members in the running.

Peter Burkey.....30 points
Mark Logsdon.....130 points
Steve Tuls.....80 points
Bob Wade.....145 points

Supernova!

IAU Circular No. 5239: SUPERNOVA 1991T IN NGC 4527

Central Bureau for Astronomical Telegrams
INTERNATIONAL ASTRONOMICAL UNION
Postal Address: Central Bureau for Astronomical
Telegrams, Smithsonian Astrophysical Observato-
ry, Cambridge, MA 02138, U.S.A.

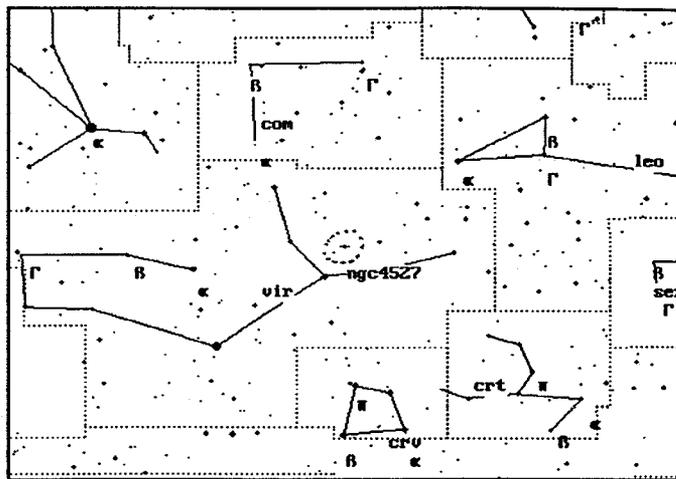
Telephone 617-495-7244/7440/7444 (for emergency
use only)

TWX 710-320-6842 ASTROGRAM CAM
EASYLINK 62794505

MARSDEN or GREEN@CFA.BITNET
MARSDEN or GREEN@CFAPS2.SPAN

E. Waagen, AAVSO, reports the discovery of a
supernova by Stephen Knight, Waterford, ME, in
NGC 4527 (R.A. = 12h31m.6, Decl. = +2 56',
equinox 1950.0). The object has been independ-
ently reported by Robert O. Evans, Hazelbrook,
N.S.W.; by M. Villi and G. Cortini, Monte Co-
lombo, Italy; and by Wayne Johnson, Anza, CA.
Visual magnitude estimates: Apr. 4.48 UT, [15
(Evans); 9.9, [15 (Villi and Cortini); 13.17, 14
(Knight); 14.14, 13.6 (Knight); 15.6, 13 (Evans);
15.9, 13.0 (Villi and Cortini); 16.26, 13.5 (John-
son).

The following position was measured by R. H.
McNaught, Anglo-Australian Observatory, from
an Uppsala Southern Schmidt photo taken Apr.
15.5: R.A. = 12h31m36s.91, Decl. = +2 56'28".3;
offsets from the nucleus are 25".7 east, 44".4
north. A nearby star of mag about 16 is located at
R.A. = 12h31m42s.80, Decl. = +2 55'15".1. J.
Mueller, Palomar Observatory, reports that an
IVN (near-infrared) plate taken Apr. 10 with the
Oschin Schmidt Telescope failed to show the
supernova.



General area where NGC 4527 is located.

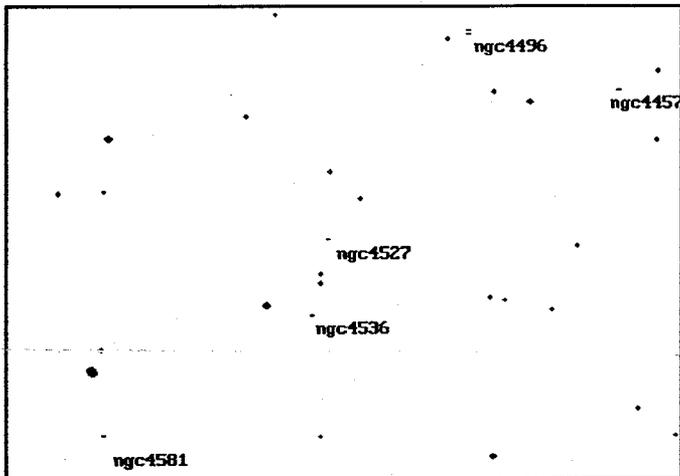
E. Cappellaro, Padua Observatory, reports: "G.
Cutispoto (Catania Observatory) obtained the
following photometry under non-photometric
conditions with the European Southern Observa-
tory 1-m telescope on Apr. 16.35 UT, V = 12.9,
B-V = +0.1, U-B = -0.6, V-R = +0.1. A CCD spec-
trogram (range 350-830 nm) obtained by F. La
Franca (Padua University) and C. Goldschmidt
(Edinburgh University; correction to IAUC 5237,
line 5 from bottom) at the ESO 2.2-m telescope
shows a blue, almost featureless continuum, with
only two strong lines having P-Cyg profile and
absorption measured at 424 and 494 nm. The
bright magnitude, the blue color, and the lack of
the Balmer lines seem to indicate a type-I SN
before maximum." R. P. Kirshner,
Harvard-Smithsonian Center for Astrophysics,
notes that the feature from 424 to 494 nm is also
present on a spectrum obtained on Apr. 16.18 UT
by J. Peters with the 1.5-m reflector at the
Whipple Observatory. The spectrum is highly
unusual but is certainly not that of a classic
type-II or type-Ia supernova near maximum; it
could well be that of a type-I supernova in its very
early stages.

IAU Circular No. 5246: SUPERNOVA 1991T IN NGC 4527

J. Menzies, South African Astronomical Observa-
tory, telexes photometry of SN 1991T made at
SAAO, indicating the star's brightening (cf. IAUC
5239): Apr. 17.96 UT, J = 11.73, H = 11.16, K =
10.93 (observer B. Carter); V = 12.4, B-V = +0.11,
U-B = -0.71 (observer C. Koen).

A. C. Gilmore reports the following photometry obtained with the 0.6-m Cassegrain reflector at Mt. John University Observatory on Apr. 21.52

T: $V = 11.84 \pm 0.01$, $U-B = -0.8 \pm 0.2$, $B-V = -0.10 \pm 0.01$, $V-R = +0.08 \pm 0.01$.



**3.0 degree window centered on NGC 4527.
SAO stars to magnitude 11.0 are also plotted.**

Visual magnitude estimates: Apr. 17.01 UT, 12.5 (H. Dahle, Oslo, Norway); 18.00, 12.3 (D. Rodriguez, Madrid, Spain; CCD); 18.84, 12.0 (J. pero, Madrid, Spain); 19.5, 12.5 (R. Evans, Hazelbrook, N.S.W.); 19.99, 12.0 (S. Korth, Dusseldorf, Germany); 20.93, 11.9 (K. G. Andersson, Solna, Sweden); 21.94, 12.2 (M. Villi and G. Cortini, Mt. Colombo-Forli, Italy).

Daniel W. E. Green