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SUPERNOVA 2005O IN NGC 3340

Y.-T. Chen, Graduate Institute of Astronomy, National Central University, Chung-Li, reports the discovery by the Taiwan Supernova Survey of an apparent supernova (mag $\sim$ 16.1) on unfiltered CCD images taken on Jan. 16.780 UT with the 1-m Lulin Observatory telescope. The new object had brightened to mag $\sim$ 15.2 on a confirming image taken on Jan. 20.650. SN 2005O is located at $\alpha = 10^{h}42^{m}18^{s}.32$, $\delta = -0^{\circ}22'41''.2$ (equinox 2000.0), which is $5''.3$ east and $4''.8$ south of the center of NGC 3340. Nothing was visible at this on an image taken on 2004 Dec. 27.855 (limiting mag $\sim$ 18.6).

COMETS C/2004 T8, Y5, Y6, Y7, Y8 (SOHO)

Further to *IAUC* 8469, following are the initial observations of additional Kreutz sungrazing comets found on SOHO website images.

Comet	2004	UT	α_{2000}	δ_{2000}	Inst.	F	*MPEC*
C/2004 T8	Oct.	4.179	$12^{h}26^{m}.0$	$-\ 5^{\circ}30'$	C3/2	HS	2005-B39
C/2004 Y5	Dec.	25.821	18 26.3	-25 53	C3/2	BZ	2005-B39
C/2004 Y6		25.983	18 25.7	-24 59	C2	HS	2005-B39
C/2004 Y7		26.267	18 27.3	-24 48	C2	HS	2005-B39
C/2004 Y8		26.738	18 33.3	-26 04	C3	HO	2005-B39

SATELLITES OF SATURN

The IAU Working Group on Planetary Science Nomenclature has approved the following new designations and names of satellites of Saturn:

Saturn XXXI	Narvi	=	S/2003 S 1
Saturn XXXII	Methone	=	S/2004 S 1
Saturn XXXIII	Pallene	=	S/2004 S 2
Saturn XXXIV	Polydeuces	=	S/2004 S 5

The WGPSN also notes that the spelling of three of the names of Saturn's satellites as given on *IAUC* 8177 was subsequently revised. The correct spelling is as follows:

Saturn XXIII	Suttungr	=	S/2000 S 12
Saturn XXVII	Skathi	=	S/2000 S 8
Saturn XXX	Thrymr	=	S/2000 S 7

2005 January 21 *Daniel W. E. Green*