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INTERNATIONAL ASTRONOMICAL UNION**

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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 ~ 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 ~ 15.2 on a confirming image taken on Jan. 20.650. SN 2005O is located at $\alpha = 10^{\text{h}}42^{\text{m}}18^{\text{s}}32$, $\delta = -0^{\circ}22'41''2$ (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 ~ 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 | <i>MPEC</i> |
|-----------|------|--------|-------------------------------|-----------------|-------|----|-------------|
| C/2004 T8 | Oct. | 4.179 | $12^{\text{h}}26^{\text{m}}0$ | $-5^{\circ}30'$ | 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 |