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INTERNATIONAL ASTRONOMICAL UNION**

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COMET P/2005 XA₅₄ (LONEOS-HILL)

A new comet (with a well-developed tail $\approx 20''$ long to the west-northwest) discovered by R. Hill on Catalina survey images taken on Jan. 6 was found by T. Spahr, Minor Planet Center, to be identical with an object found by LONEOS on Dec. 4 and designated 2005 XA₅₄ (with two nights of observations on *MPS* 155505). Additional astrometry and orbital elements ($T = 2006$ Mar. 8.04 TT, $q = 1.7764$ AU, $\omega = 15^\circ 45'$, $\Omega = 144^\circ 23'$, $i = 16^\circ 90'$, equinox 2000.0, $P = 15.1$ years) appear on *MPEC* 2006-A26.

2005/6 UT	α_{2000}	δ_{2000}	Mag.	Observer
Dec. 4.37744	9 ^h 20 ^m 54.64 ^s	+3°00'13.2"	18.5	LONEOS
Jan. 6.41154	9 56 51.97	+3 42 03.8	17.1	Hill

(60558) 2000 EC₉₈

Y.-J. Choi and P. R. Weissman, Jet Propulsion Laboratory, report the detection of a cometary coma on *B*, *V*, *R*, and *I* images of the Centaur object (60558) taken on 2005 Dec. 30.50 UT with the Palomar 5-m reflector (+ Large Format Camera); a 600-second *R*-band exposure shows a coma of total mag 17.5 extending $\sim 20''$ from the nuclear condensation. Confirming images of the cometary nature were obtained by Choi on 2006 Jan. 1 and by D. Polishook on images obtained at Wise Observatory on Jan. 2. The object was discovered by Spacewatch (discovery observation below from *MPEC* 2000-E64 and *MPS* 11487).

2000 UT	α_{2000}	δ_{2000}	Mag.
Mar. 3.41164	11 ^h 10 ^m 57.58 ^s	+4°40'25.0"	21.0

SUPERNOVA 2006A IN NGC 7753

Further to *IAUC* 8646, T. Boles the discovery, on an unfiltered CCD image taken on Jan. 2.856 UT, of an apparent supernova (mag 18.1) located at $\alpha = 23^{\text{h}}47^{\text{m}}03^{\text{s}}.78$, $\delta = +29^\circ 28' 55''.7$, which is $\approx 13''.6$ west and $5''.1$ south of the center of NGC 7753. W. Li, confirmed 2006A on a Lick Observatory image from Jan. 5.108 (Boles measuring position end figures 03^s.81, 55^{''}.6 from the KAIT image). Traces of 2006A are also visible on an unfiltered CCD image taken by G. Rogers (Long Crendon, England, 0.40-m reflector) on Jan. 4.794. Nothing is visible at this position on Boles' images from 2005 Sept. 24 and Oct. 10 (limiting mag 19.5) or on Digitized Sky Survey images from 1991 (limiting red mag 21.0) and 1993 (limiting blue mag 20.5).