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**INTERNATIONAL ASTRONOMICAL UNION**

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*COMET C/2005 A1 (LINEAR)*

R. Kracke reports the LINEAR discovery of a comet (discovery observation below). After posting on the 'NEO Confirmation Page', other observers have confirmed the cometary nature on CCD images, including C. Jacques and E. Pimentel (Belo Horizonte, Brazil; 0.30-m reflector, Jan. 14.3 UT; coma diameter  $\sim 15''$  and a noticeable  $75''$ -long tail in p.a.  $313^\circ$ ) and J. Young (Table Mountain 0.6-m reflector, Jan. 14.5, moderate cirrus clouds; slightly elongated  $12''$  coma of mag 15.0 and a  $1'$ -long broad tail in p.a.  $295^\circ$ ).

2005	UT	$\alpha_{2000}$	$\delta_{2000}$	Mag.
Jan.	13.48135	$13^{\text{h}}51^{\text{m}}08.43^{\text{s}}$	$-17^\circ22'57''.6$	15.4

The available astrometry, the following preliminary parabolic orbital elements, and an ephemeris appear on *MPEC* 2005-A56.

$$\begin{array}{rcl}
 T = 2005 \text{ Apr. } 10.933 \text{ TT} & \omega = 261.840 & \\
 & \Omega = 356.082 & \left. \vphantom{\begin{array}{l} \omega \\ \Omega \end{array}} \right\} 2000.0 \\
 q = 1.07894 \text{ AU} & i = 69.490 &
 \end{array}$$

*SUPERNOVA 2005C*

T. Boles, Coddendam, England, reports the discovery of an apparent supernova (mag 18.4) on unfiltered CCD images taken on Jan. 11.051 and 13.036 UT. The new object is located at  $\alpha = 11^{\text{h}}15^{\text{m}}29^{\text{s}}.42$ ,  $\delta = +60^\circ45'05''.5$  (equinox 2000.0), which is  $\approx 3''.0$  west and  $10''.7$  north of the center of its apparent host galaxy. SN 2005C is not present on Boles' images from 2004 Apr. 21 and Nov. 20 (limiting mag 19.5) or on Digitized Sky Survey plates from 1993 (limiting red mag 21.0) or 1994 (limiting blue mag 21.5).

*SUPERNOVA 2004gy*

Further to *IAUC* 8461, M. Modjaz, R. Kirshner, and P. Challis report that a spectrogram of SN 2004gy (cf. *IAUC* 8460), obtained at Mt. Hopkins by W. Brown on Jan. 10.49 UT, reveals it to be a type-II supernova, probably within a few weeks past explosion. The spectrum consists of a blue continuum and Balmer-line P-Cyg features, with an emission-dominated  $\text{H}\alpha$  component. The host-galaxy redshift, measured from narrow  $\text{H}\alpha$  emission lines in the nucleus, is 0.0269; adopting this redshift, the expansion velocity derived from the minimum of the  $\text{H}\beta$  line is  $\sim 10000$  km/s.