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INTERNATIONAL ASTRONOMICAL UNION**

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COMET C/2007 H1 (McNAUGHT)

R. H. McNaught reports his discovery of a new comet on CCD images taken with the 0.5-m Uppsala Schmidt telescope in the course of the Siding Spring Survey (discovery observation tabulated below), the object then reported as having a 12'' coma and a 25'' tail in p.a. 250°. Following posting on the Minor Planet Center's 'NEOCP' webpage, several CCD astrometric observers have commented on the cometary appearance of this object. G. Hug (Scranton, KS, 0.30-m Schmidt-Cassegrain reflector) reports that his images from Apr. 18.44 UT show the comet to be slightly diffuse. E. Guido and G. Sostero, remotely using a 0.25-m *f*/3.4 reflector at Mayhill, NM, write that the co-adding of twenty 60-s unfiltered exposures, taken on Apr. 18.46–18.47, reveals the presence of a coma nearly 20'' in diameter and a broad tail nearly 1' long toward p.a. 250°; co-adding ten 60-s unfiltered exposures taken on Apr. 19.47 shows a coma that is nearly 17'' in diameter (total mag \sim 16.3) and a tail almost 45'' long toward p.a. 255°. N. Teamo and S. Hönig report that images obtained with a 0.41-m *f*/8 reflector at Punaauia, Tahiti, on Apr. 19.6 show a 14'' coma and a 2/2 tail in p.a. 252°.

2007	UT	α_{2000}	δ_{2000}	Mag.
Apr.	17.78663	21 ^h 59 ^m 34. ^s 74	−9°09'15.9''	16.1

The available astrometry, the following preliminary parabolic orbital elements, and an ephemeris appear on *MPEC* 2007-H32.

$$\left. \begin{array}{l} T = 2007 \text{ June } 15.828 \text{ TT} \\ q = 2.61460 \text{ AU} \end{array} \right\} \begin{array}{l} \omega = 181.324 \\ \Omega = 147.663 \\ i = 11.002 \end{array} \left. \vphantom{\begin{array}{l} T \\ q \end{array}} \right\} 2000.0$$

COMET C/2007 E2 (LOVEJOY)

Further visual total-magnitude estimates (cf. *IAUC* 8820): Mar. 24.66 UT, 8.7 (J. Drummond, Gisborne, New Zealand, 8-cm refractor); Apr. 12.17, 7.7 (J. J. Gonzalez, Asturias, Spain, 25×100 binoculars); 16.67, 7.9 (S. Rae, Hamilton, New Zealand, 10×50 binoculars); 18.68, 8.0 (Rae).

COMET 2P/ENCKE

Visual total-magnitude estimates with 25×100 binoculars: Apr. 13.85 UT, 7.7 (J. J. Gonzalez, Asturias, Spain); 14.50, 7.4 (M. Lehký, Bacetin, Czech Republic); 17.85, 6.7 (Gonzalez).