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COMET P/2007 B1 (CHRISTENSEN)

E. J. Christensen reports his discovery of a comet on CCD images obtained with the Catalina Sky Survey's 0.68-m Schmidt telescope (discovery observation tabulated below); four stacked 30-s discovery images, taken in good seeing, show a slightly condensed 10″ coma, while four stacked 90-s follow-up images reveal a 15″ tail oriented toward p.a. 220°–250°. Following posting on the Minor Planet Center's 'NEOCP' webpage, several other CCD observers have noted the object's cometary appearance, including G. Sostero and L. Donato at Remanzacco, Italy (0.45-m f/4.4 reflector, Jan. 20.04–20.09 UT; coma diameter 10″ with a 16″ tail toward p.a. 250°); D. Mayes at Table Mountain (0.6-m reflector, Jan. 20.4); and L. Buzzi at Varese, Italy (0.60-m f/4.6 reflector, Jan. 20.0; 60 stacked 15-s exposures show a compact 10″ coma with a possible elongation in p.a. $\sim$ 230°).

2007 UT	α_{2000}	δ_{2000}	Mag.
Jan. 17.27421	$8^h57^m29^s.84$	$+32^\circ 29' 41''.0$	18.6

The available astrometry, the following preliminary elliptical orbital elements, and an ephemeris appear on *MPEC* 2007-B25.

$$\begin{array}{lll} T = 2007\ \text{Feb. } 8.351\ \text{TT} & \omega = 54^\circ.294 & \\ e = 0.57317 & \Omega = 76.702 & \Big\}\ 2000.0 \\ q = 2.42086\ \text{AU} & i = 12.114 & \\ a = 5.67165\ \text{AU} & n^\circ = 0.072969 & P = 13.5\ \text{years} \end{array}$$

COMET C/2006 P1 (McNAUGHT)

Unfiltered-CCD total-magnitude estimates in daylight: Jan. 13.14 and 14.13 UT, −5.0 (A. Nakamura, Kuma, Ehime, Japan, 7.2-cm reflector; integrated coma diameter 1′.4); 15.48, −5.2 (K. Hornoch, J. Srba, and E. Brezina, Vsetin Observatory, Czech Republic, 6.3-cm reflector + neutral-density filter; aperture size 8′). Further visual total-magnitude estimates: Jan. 16.94, −2.8 (S. J. O'Meara, Mauna Loa, HI, U.S.A., 10×50 binoculars, daylight; 0°.5 tail); 18.50, −2.1 (A. Pearce, City Beach, W. Australia, naked eye; 4°.5 tail); 20.51, −0.7 (Pearce; 23° tail; tail synchrones easily visible).

COMET 183P/KORLEVIĆ-JURIĆ

Comet P/2006 Y1 = 1999 DN_3 (cf. *IAUC* 8786) has been numbered 183P (cf. *MPC* 58485).

2007 January 20 *Daniel W. E. Green*