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INTERNATIONAL ASTRONOMICAL UNION**

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COMET P/2007 Q2 (GILMORE)

An apparently asteroidal object discovered by Alan C. Gilmore on CCD images taken with the Mount John University Observatory 1-m reflector (discovery observation tabulated below), and posted on the 'NEOCP' web-page, has been found to show a diffuse coma and a tail 6''–8'' long in p.a. 320° on a co-added 600-s image obtained by K. Sárneczky and L. L. Kiss on Aug. 30.6 UT with the Siding Spring 1.0-m reflector. Also, Q.-z. Ye, Guangzhou, China, writes that four stacked 120-s CCD images obtained by C.-S. Lin with the Lulin Observatory 1.02-m *f*/8 reflector on Aug. 27.7 UT in strong moonlight (seeing $\sim 1''.0$) show a possible weak coma of diameter $\sim 1''.9$ with a wide, short tail $\sim 3''$ long in p.a. $\sim 340^\circ$ – 10° .

2007 UT	α_{2000}	δ_{2000}	Mag.
Aug. 22.58265	22 ^h 44 ^m 16 ^s .31	–0°46'07".9	19.1

The available astrometry, the following preliminary elliptical orbital elements, and an ephemeris appear on *MPEC* 2007-Q43.

$$\begin{array}{rcl}
 T = 2007 \text{ Aug. } 23.465 \text{ TT} & \omega = 162^\circ.931 & \\
 e = 0.67176 & \Omega = 172.256 & \\
 q = 1.83906 \text{ AU} & i = 10.235 & \\
 a = 5.60282 \text{ AU} & n^\circ = 0.074318 & P = 13.26 \text{ years}
 \end{array}
 \left. \vphantom{\begin{array}{rcl}} \right\} 2000.0$$

COMET C/2007 Q3 (SIDING SPRING)

An apparently asteroidal object discovered by D. M. Burton with the 0.5-m Uppsala Schmidt telescope in the course of the Siding Spring survey (discovery observation tabulated below), and posted on the 'NEOCP' web-page, has also been found to show cometary appearance by Sárneczky and Kiss, who on Aug. 30.8 UT found a 6'' coma and 12''-long tail in p.a. 290° on a 1800-s co-added image taken with the 1.0-m reflector at Siding Spring. Also, N. Teamo and J. C. Pelle write that CCD exposures taken on Aug. 29.6 with a 0.35-m reflector at Punaauia, Tahiti, show the comet's FWHM image to be larger than those of neighboring stars of similar brightness.

2007 UT	α_{2000}	δ_{2000}	Mag.
Aug. 25.76023	3 ^h 28 ^m 35 ^s .22	–46°39'40".7	17.8

The available astrometry, preliminary parabolic orbital elements ($T = 2009$ Oct. 19.198 TT, $q = 2.31933$ AU, $\omega = 0^\circ.675$, $\Omega = 151^\circ.078$, $i = 66^\circ.275$, equinox 2000.0), and an ephemeris appear on *MPEC* 2007-Q44.