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COMET C/2006 F1 (KOWALSKI)

R. A. Kowalski reports the discovery of a comet on CCD images taken in poor seeing (4″ FWHM) with the 1.5-m reflector in the course of the Mt. Lemmon Survey (discovery observation tabulated below); the object appeared slightly condensed with a diameter of ≈ 8″, elongated in p.a. ≈ p.a. 265° (though no obvious tail). On images taken with the same telescope by E. J. Christensen on Mar. 23.5 UT, the object displays a condensed 8″ coma and a 10″ tail in p.a. ∼ 245°. CCD images taken by P. Birtwhistle with a 0.40-m *f*/6 Schmidt-Cassegrain reflector at Great Shefford, U.K., on Mar. 23.1 show the object with a 8″ coma and a tail 15″ long in p.a. 245°.

2006 UT	α_{2000}	δ_{2000}	Mag.
Mar. 21.49155	16ʰ21ᵐ29ˢ.96	+2°00′22″.3	18.8

The available astrometry, the following parabolic orbital elements, and an ephemeris appear on *MPEC* 2006-F20.

$$T = \text{2007 May 19.709 TT} \qquad \omega = 208^\circ.890$$
$$\Omega = 124.985 \quad \text{2000.0}$$
$$q = 1.93896 \text{ AU} \qquad i = 21.585$$

SUPERNOVA 2006at, 2006av, 2006aw

Further to *IAUC* 8666, L. A. G. Monard reports his discovery of two apparent supernovae on unfiltered CCD images:

SN	2006 UT	α_{2000}	δ_{2000}	Mag.	*Offset*
2006av	Feb. 19.776	2ʰ57ᵐ46ˢ.48	–36°42′26″.2	18.3	30″ W, 38″ N
2006aw	Mar. 15.747	5 04 18.18	–63 34 57.3	14.9	7″ W, 2″ S

Additional approximate magnitudes from Monard for 2006av in ESO 356-22: Jan. 31.757 UT, [18.5; Feb. 28.80, 18.7 ± 0.4 (mediocre conditions; stacked images); Mar. 5.735, 19.0 ± 0.2; 20.774, 18.3 ± 0.3. Nothing is visible at the location of 2006av on the Digitized Sky Survey in all bands (including limiting red mag 20.5). Additional approximate magnitudes for 2006aw in ESO 85-G38: Feb. 16.783, [18.5; Mar. 15.858, 14.9 ± 0.2; 19.751, 15.2. Nothing is present at the location of 2006aw on a red Digitized Sky Survey image (limiting mag 20.5).

SN 2006at (cf. *IAUC* 8687) has been confirmed to be a type-II supernova by S. Blondin *et al.* (details on *CBET* 441).

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