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INTERNATIONAL ASTRONOMICAL UNION

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COMET C/2006 L1 (GARRADD)

Gordon J. Garradd reports his discovery of a diffuse comet on images taken with the 0.5-m Uppsala Schmidt telescope in the course of the Siding Spring Survey (discovery observation below). Follow-up observations by R. H. McNaught on June 6.4 UT show a 15'' tail in p.a. 150°.

2006 UT	α_{2000}	δ_{2000}	Mag.
June 4.37559	10 ^h 02 ^m 22.77 ^s	-34°18'56.0"	17.9

The available astrometry, the following preliminary parabolic orbital elements, and an ephemeris appear on *MPEC* 2006-L35.

$$\left. \begin{array}{l} T = 2006 \text{ Oct. } 17.242 \text{ TT} \\ q = 1.49940 \text{ AU} \end{array} \right\} \begin{array}{l} \omega = 336.615 \\ \Omega = 101.716 \\ i = 143.222 \end{array} \left. \vphantom{\begin{array}{l} T \\ q \end{array}} \right\} 2000.0$$

COMETS C/2006 G3, C/2006 J1–J3, C/2006 K5 (SOHO)

Additional comets have been found on SOHO website images (cf. *IAUC* 8718) — all being Kreutz sungrazers except *C/2006 K5* (no known group). *C/2006 J1* was very small, slightly diffuse, and too faint for photometry. *C/2006 J2* was small, stellar, and faint (mag \sim 8.0). *C/2006 J3* was slightly diffuse and reached mag 7.7 on May 4.496 at 6.4 R_{\odot} ; it showed a 162'' tail on May 4.538 at 5.9 R_{\odot} . *C/2006 K5* was extremely faint, peaking at mag \sim 8.5 at May 22.196, and measurer K. Battams could only find it in about 10 images. *Corrigendum*: *C/2006 G3* was found by J. Sachs, not H. Su (cf. *IAUC* 8717).

Comet	2006 UT	α_{2000}	δ_{2000}	Inst.	F	<i>MPEC</i>
<i>C/2006 J1</i>	May 3.213	2 ^h 44 ^m .6	+14°13'	C2	HS	2006-L20
<i>C/2006 J2</i>	4.413	2 50.7	+14 43	C2	HS	2006-L20
<i>C/2006 J3</i>	4.479	2 51.5	+14 46	C2	TH	2006-L20
<i>C/2006 K5</i>	22.113	4 12.5	+22 43	C3	HS	2006-L20

CORRIGENDA

On *IAUC* 8710, “RS Ophiuchi”, line 9, for Pashcen, read Paschen,
 On *IAUC* 8718, “Comet *C/2006 HW*₅₁”, line 1, for R. H. McNaught
 read G. J. Garradd