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SUPERNOVAE 2005en AND 2005eo IN UGC 4132

Two apparent supernova in UGC 4132 have been discovered on unfiltered CCD images: both objects independently by T. Puckett and M. Peoples (cf. *IAUC* 8601) and by the Lick Observatory Supernova Search program (KAIT, via R. R. Prasad and W. Li, with 2005eo first spotted by E. Lee on the Sept. 29.54 image; cf. *IAUC* 8604). SN 2005eo was also independently found by P. Berlind while undertaking spectroscopy for 2005en on Sept. 29 at Mt. Hopkins. The tabulated data below are from Puckett.

SN	2005 UT	α_{2000}	δ_{2000}	Mag.	*Offset*
2005en	Sept. 27.19	$7^h59^m12^s.61$	$+32^\circ55'00''.5$	17.5	$5''.8$ W, $6''.9$ N
2005eo	Sept. 27.19	7 59 13.94	+32 55 19.7	18.3	$11''.0$ E, $26''.1$ N

Li provides position end figures $12^s.64$, $54'59''.4$ for SN 2005en, and $13^s.98$, $18''.4$ for 2005eo. Approximate magnitudes for 2005en: 2005 Mar. 2 UT, [20.0 (Puckett); 25, [20.0 (Puckett); Apr. 4.15, [19.5 (Li); Sept. 28.51, 17.0 (Li). Approximate magnitudes for 2005eo: Mar. 2, [20.0 (Puckett); 25, [20.0 (Puckett); Apr. 4.15, [19.5 (Li); Sept. 28.51, 17.5 (Li); 29.17, 18.0 (S. Faworski, Elizabeth, IL, via Puckett); 29.54, 17.5 (Li).

M. Modjaz, P. Challis, and R. Kirshner, Harvard-Smithsonian Center for Astrophysics; and T. Matheson, National Optical Astronomy Observatory, report that a spectrogram (range 350–740 nm) of SN 2005en, obtained by Berlind on Sept. 29.50 UT with the F. L. Whipple Observatory 1.5-m telescope (+ FAST), reveals it to be a type-II supernova, with Hα and Hβ P-Cgy profiles and other elements in absorption. Adopting the NED recession velocity of 5227 km/s (from Falco *et al.* 1999, *PASP* **111**, 438) for the host galaxy, the expansion velocity derived from the minimum of the Hβ line is 7000 km/s. A spectrogram of 2005eo, taken by Berlind on Sept. 29.55, reveals it to be a type-Ic supernova around maximum; the spectrum is similar to spectra of SN 1994I (Filippenko *et al.* 1995, *Ap.J.* **450**, L11) taken around maximum.

COMETS 171P/SPAHR AND 172P/YEUNG

Permanent numberings have been given recently (cf. *MPC* 54797) to two additional comets: 171P/1998 W1 = 2005 R3 (cf. *IAUC* 8599) and 172P/2001 CB_{40} = 2002 BV (cf. *IAUC* 7896).

2005 September 29 *Daniel W. E. Green*