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SUPERNOVAE 2005aj AND 2005ak

Further to *IAUC* 8486, T. Puckett and J. Newton report the discovery of an apparent supernova (mag 18) on an unfiltered CCD frame taken with the 0.60-m automated supernova patrol telescope on Feb. 18.02 UT (and confirmed on frames taken by G. Sostero, Remanzacco, Italy, with a 0.25-m reflector on Feb. 18.87, the magnitude also reported as 18). The new object is located at $\alpha = 2^h58^m48^s.85$, $\delta = +75^o45'13''.8$ (equinox 2000.0), which is $8''.6$ east and $51''.7$ north of the center of UGC 2411. Nothing is present at this location on images taken by Puckett on 2002 Feb. 11 and 2003 Feb. 21 (limiting mag $\sim$ 20.0).

Puckett adds that he and B. Kerns have discovered another apparent supernova (mag 15.7) on an unfiltered CCD frame taken with the 0.60-m automated supernova patrol telescope on Feb. 23.41 UT. SN 2005ak is located at $\alpha = 14^h40^m32^s.06$, $\delta = +3^o30'37''.1$ (equinox 2000.0), which is $1''.9$ east and $2''.9$ north of the center of the apparent host galaxy. Nothing is present at this location on images taken by Puckett on 2002 Feb. 13 and 2003 Apr. 1 (limiting mag $\sim$ 20.0). SN 2005ak was confirmed on CCD frames taken by A. Sehgal, Osoyoss, BC, with a 0.5-m reflector on Feb. 24.45 at mag 15.7.

SUPERNOVA 2005al IN NGC 5304

Further to *IAUC* 8482, C. Jacques reports the discovery of an apparent supernova (mag 15.1) by E. Pimentel, T. Napoleao, C. Colesanti, and himself on unfiltered CCD images taken at Belo Horizonte, Brazil, on Feb. 24.16 and 26.95 UT. SN 2005al is located at $\alpha = 13^h50^m00^s.33$, $\delta = -30^o34'34''.2$ (equinox 2000.0), which is $14''.8$ west and $7''.5$ north of the center of NGC 5304. Nothing is visible at this location on a CCD image taken on Feb. 15.29 (limiting mag 18.3) or on a Digitized Sky Survey image from 1975 (limiting red mag 20.0).

COMETS C/2005 B3 AND C/2005 B4 (SOHO)

Continuation to *IAUC* 8487 (C/2005 B3 is a Kreutz sungrazer, while C/2005 B4 belongs to the Meyer group):

Comet	2005 UT	α_{2000}	δ_{2000}	Inst.	F	*MPEC*
C/2005 B3	Jan. 26.821	$20^h53^m.6$	$-20^\circ26'$	C3	XL	2005-D18
C/2005 B4	30.688	20 56.6	-16 11	C2	BZ	2005-D18

2005 February 27 *Daniel W. E. Green*