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SUPERNOVA 2005ck

Independent discoveries of a supernova in the Abell galaxy cluster 1656 have been reported on unfiltered CCD images by H. Pugh and W. Li (LOSS/KAIT; cf. *IAUC* 8541) and by R. Quimby, F. Castro, P. Hoefflich, J. C. Wheeler (all at the University of Texas), and C. Gerardy (of Imperial College); Quimby's group used the ROTSE-IIIb telescope (cf. *IAUC* 8508). Pugh and Li provide the following precise position for SN 2005ck: $\alpha = 13^{\text{h}}02^{\text{m}}18^{\text{s}}.72$, $\delta = +28^{\circ}20'45''.5$ (equinox 2000.0), which is $58''.3$ east and $24''.3$ south of the center of an apparent host galaxy. Quimby *et al.* report position and figures $18^{\circ}77'$, $43''.8$ for the new object. Approximate magnitudes for SN 2005ck: 2004 Dec. 15, [18.8 (ROTSE-IIIb)]; 2005 Jan. 14, [18.8 (ROTSE-IIIb)]; Apr. 17.26 UT, [19.5 (KAIT)]; May 23.25, [18.5 (KAIT)]; June 1.26, 19.0: (KAIT; hint of object near limit of image); 5.27, 18.7 (ROTSE-IIIb); 8.25, 18.6 (ROTSE-IIIb); 12.24, 18.6 (KAIT); 13.24, 18.5 (KAIT). Quimby adds that a spectrum (range 420–890 nm) of SN 2005ck, obtained on June 13.22 with the 9.2-m Hobby-Eberly Telescope (+ Marcario Low-Resolution Spectrograph) by S. C. Odewhan and E. Terrazas, shows it to be a type-Ia supernova; the spectrum is very similar to that of SN 1994D near maximum light (Patat *et al.* 1996, *MNRAS* **278**, 111). Using 1994D as a template, they find an approximate redshift of $z = 0.08$, ruling out any association to the neighboring Coma-cluster galaxies, leaving the host as yet unidentified.

SUPERNOVA 2005ci IN NGC 5682

M. Modjaz, R. Kirshner, and P. Challis, Harvard-Smithsonian Center for Astrophysics, report that a spectrogram (range 340–740 nm) of SN 2005ci (cf. *IAUC* 8541), obtained by M. Calkins on June 12.34 UT with the F. L. Whipple Observatory 1.5-m telescope (+ FAST), shows it to be a type-II supernova. The spectrum consists of a flat continuum and P-Cyg lines of $\text{H}\alpha$ and $\text{H}\beta$. Adopting the NED recession velocity of 2291 km/s for the host galaxy (from Falco *et al.* 1999, *PASP* **111**, 438), the expansion velocity derived from the minimum of the $\text{H}\beta$ line is ~ 13000 km/s.

VARIABLE STAR IN NORMA

Further to *IAUC* 8540, S. Laloe (Centre de Donnees de Strasbourg) writes that the so-called USNO-A1.0 star of red mag 18.4 is actually a USNO-B1.0 star.