Circular No. 8487

Central Bureau for Astronomical Telegrams
INTERNATIONAL ASTRONOMICAL UNION
Mailstop 18, Smithsonian Astrophysical Observatory, Cambridge, MA 02138, U.S.A.
IAUSUBS@CFA.HARVARD.EDU or FAX 617-495-7231 (subscriptions)
CBAT@CFA.HARVARD.EDU (science)
URL `http://cfa-www.harvard.edu/iau/cbat.html` ISSN 0081-0304
Phone 617-495-7440/7244/7444 (for emergency use only)

V2361 CYGNI = NOVA CYGNI 2005

N. N. Samus, Institute of Astronomy, Moscow, inform us that the designation V2361 Cyg has been given to this nova (cf. *IAUC* 8483, 8484).

S. Ciroi, F. Di Mille, and P. Rafanelli, Department of Astronomy, University of Padova, report that a spectrum (range 446–680 nm; typical resolution 1.5 nm) of this nova, taken on Feb. 12.195 UT at the 1.2-m telescope of the Asiago Astrophysical Observatory (+ Boller & Chivens spectrograph) is dominated by the Balmer emission lines Hα and Hβ with at least three absorption systems on their blue wings, characterized by velocities of −3200, −6500, and −7500 km/s. Emission lines of Fe II multiplets 37, 38, 42, 49, 57, and 74; of O I 9 and 10; and of N II 3, 36, 63, and 66 are present in the spectrum.

CCD *V* magnitudes forwarded by E. O. Waagen, AAVSO: Feb. 12.4637 UT, 10.13 (S. Dvorak, Clermont, FL); 13.7750, 10.28 (R. Miles, Stourton Caundle, Dorset, England); 14.7985, 10.40 (Miles). Visual magnitude estimates: Feb. 14.183, 10.2 (R. J. Bouma, Groningen, The Netherlands); 15.138, 10.3 (K. Hornoch, Lelekovice, Czech Republic).

SUPERNOVA 2005ai IN NGC 2314

S. Taubenberger, Max-Planck-Institut für Astrophysik, Garching; F. Patat, European Southern Observatory; and S. Benetti, Istituto Nazionale di Astrofisica, Padua, on behalf of the ERTN (cf. *IAUC* 7987), report that a fully reduced spectrum (range 360–880 nm; resolution 1.3 nm) of SN 2005ai (cf. *IAUC* 8486), obtained on Feb. 14.83 UT by M. Alises at the Calar Alto Observatory 2.2-m telescope (+ CAFOS), shows it to be a type-Ia supernova. The spectrum is very similar to that of SN 1994D (Patat *et al.* 1996, *MNRAS* **278**, 111) at $\sim$ 1 month past maximum light.

COMET C/1997 E2 (SOHO)

An additional Kreutz sungrazing comet (cf. *IAUC* 8483):

Comet	1997 UT	α_{2000}	δ_{2000}	Inst.	F	*MPEC*
C/1997 E2	Mar. 5.281	$23^h22^m.2$	$-6^\circ57'$	C3	XL	2005-C38

SUPERNOVA 2005af IN NGC 4945

Visual magnitude estimates: Feb. 14.826 UT, 13.3 (A. Pearce, Nedlands, W. Australia); 15.135, 12.6 (W. Souza, São Paulo, Brazil).

2005 February 15 *Daniel W. E. Green*