Circular No. 8697

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)

POSSIBLE NOVA IN CYGNUS

S. Nakano, Sumoto, Japan, reports the discovery by H. Nishimura (Miyawaki, Kakegawa, Japan) of a possible nova (mag 10.5) on two Kodak T-Max 400 films taken on Apr. 2.807 UT using a Pentax 6×7 camera (+ 200-mm *f*/4.0 lens; 60-s exposures). Nishimura provided the following position for the new object: $\alpha = 21^{\rm h}11^{\rm m}32^{\rm s}$, $\delta = +44^{\rm o}48'02''$ (equinox 2000.0), noting that nothing was present at this location on his films taken on Mar. 28 (limiting mag 12) or on earlier patrol films back to Oct. 2001. Following a request to the AAVSO, R. Miles (Stourton Caundle, Dorset, England) reports a confirmation of the object at $V = 8.5 \pm 0.3$ on a CCD image taken on Apr. 4.995, providing the following precise position end figures: $32^{\rm s}.34$, $03''.9$ (uncertainty estimated as $\pm\ 0''.3$). Miles states that nothing is visible at this location on a Digitized Sky Survey image. H. Yamaoka, Kyushu University, notes that a very red star of mag ~ 14 in several star catalogues has position end figures $\sim 31^{\rm s}.9$, $03''.3$.

SUPERNOVAE 2006bg, 2006bh, 2006bi, 2006bj

Four additional apparent supernova have been reported from unfiltered CCD images: 2006bg and 2006bi by R. Holmes, Charleston, IL (cf. *IAUC* 8677; 2006bg with V. Hoette, and 2006bi with H. Devore and P. Miller); 2006bh by L. A. G. Monard (cf. *IAUC* 8693); and 2006bj by R. Quimby (cf. *IAUC* 8680).

SN	2006 UT	α_{2000}	δ_{2000}	Mag.	*Offset*
2006bg	Mar. 27.28	$11^{\rm h}35^{\rm m}25^{\rm s}.17$	$+54^{\rm o}57'37''.4$	18.4	$16''.5$ W, $2''.3$ N
2006bh	Apr. 2.12	22 40 16.10	−66 29 06.3	14.8	$48''$ W, $22''$ S
2006bi	Mar. 25.39	13 59 11.52	+27 52 17.5	18.1	$0''.2$ W, $2''.6$ N
2006bj	Mar. 26.19	12 22 19.16	+ 7 37 25.3	17.3	$1''.1$ E, $1''.1$ N

Additional approximate magnitudes for 2006bg: 1993 Apr. 25, [21.0 (Palomar Sky Survey, red); 2006 Jan. 26.38 UT, [20.4 (Holmes); Apr. 2.18, 18.3 (Holmes). Additional magnitudes for 2006bh in NGC 7329: Jan. 17.751, [17.5; Apr. 3.086, 14.6 ± 0.1. Nothing is visible at the location of 2006bh on the Digitized Sky Survey (limiting red mag 20.5). Additional magnitudes for 2006bi: 1996 July 8, [21.0 (PSS, red); 2006 Feb. 19 and 24, [20.2 (Holmes); Mar. 27.31, 18.2 (Holmes). Additional approximate magnitudes for 2006bj: 2005 May 9, [19.0; 2006 Apr. 2.17, 17.2. A spectrum of 2006bj taken on Mar. 3.34 by S. C. Odewahn and F. Deglman shows it to be a young type-II supernova (details on *CBET* 460).

2006 April 5 *Daniel W. E. Green*