Circular No. 8613

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INTERNATIONAL ASTRONOMICAL UNION

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COMET P/1993 W1 = 2005 T1 (MUELLER)

E. J. Christensen has reported the recovery of comet P/1993 W1 (= 1993s = 1994 XXV) on CCD images taken with the 1.5-m reflector in the course of the Mt. Lemmon Survey, describing the object as having a condensed 8″ coma and a 20″ curved tail in p.a. 250°–280°. The recovery was confirmed at the Minor Planet Center via LONEOS incidental astrometry (0.59-m Schmidt telescope) by M. E. Van Ness, and earlier observations were subsequently also reported by F. Fratev (Zvezdno Obshtestvo Observatory, Plana, 0.25-m f/4.7 reflector). The indicated correction to the prediction on *MPC* 54168 is $\Delta T = -0.8$ day.

2005	UT	α_{2000}	δ_{2000}	Mag.	*Observer*
Oct.	6.93268	$2^h39^m18^s.35$	$-3°55'12''.2$	18.4	Fratev
	6.94519	2 39 18.06	−3 55 14.5	18.4	〃
	6.95448	2 39 17.90	−3 55 14.5	18.4	〃
	6.96144	2 39 17.56	−3 55 16.2	18.4	〃
	7.32842	2 39 08.90	−3 56 21.4	18.5	Van Ness
	7.35758	2 39 08.13	−3 56 26.4		〃
	7.41793	2 39 06.68	−3 56 36.5		〃
	7.43542	2 39 06.30	−3 56 39.4	18.0	Christensen
	7.44722	2 39 05.99	−3 56 41.7		〃
	7.44923	2 39 06.01	−3 56 41.7		〃

The following orbital elements by B. G. Marsden, Smithsonian Astrophysical Observatory, are from 83 observations spanning 1992–2005 (mean residual 0″.8):

Epoch = 1994 Sept. 5.0 TT

T = 1994 Sept.12.1603 TT ω = 30°.0222
e = 0.260528 Ω = 100.6625 } 2000.0
q = 4.249738 AU i = 16.4655
a = 5.746990 AU $n°$ = 0.0715391 P = 13.78 years

Epoch = 2008 May 14.0 TT

T = 2008 May 18.5222 TT ω = 29°.8348
e = 0.261149 Ω = 100.5697 } 2000.0
q = 4.214478 AU i = 16.4959
a = 5.704097 AU $n°$ = 0.0723475 P = 13.62 years

