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://www.cfa.harvard.edu/iau/cbat.html` ISSN 0081-0304
Phone 617-495-7440/7244/7444 (for emergency use only)

COMET P/2008 R4 (KORLEVIĆ)

G. V. Williams, Minor Planet Center, has identified recovery observations of comet P/1999 WJ_7 (cf. *IAUC* 7368) on Sept. 3 in incidental astrometry obtained with the Spacewatch 0.9-m telescope by T. H. Bressi. A request by B. G. Marsden to J. V. Scotti for confirming observations yielded images with the same telescope on Sept. 9.4, in which Scotti notes that the comet is slightly diffuse with a 0'.14 tail in p.a. 201°. The indicated correction to the prediction on *MPC* 59598 is $\Delta T = -0.3$ day.

2008 UT	α_{2000}	δ_{2000}	Mag.
Sept.3.24478	$0^h09^m59^s.68$	$+4°59'39''.4$	20.3

The new astrometry, together with the following revised orbital elements and an ephemeris, appear on *MPEC* 2008-R53.

$$\text{Epoch} = 2010 \text{ Feb. } 13.0 \text{ TT}$$
$$T = 2010 \text{ Feb. } 8.1984 \text{ TT} \qquad \omega = 154°.5443$$
$$e = 0.315128 \qquad \Omega = 290.5650 \quad 2000.0$$
$$q = 3.182125 \text{ AU} \qquad i = 2.9758$$
$$a = 4.646302 \text{ AU} \qquad n° = 0.0984108 \qquad P = 10.02 \text{ years}$$

COMET P/2008 R5 (LINEAR-NEAT)

Williams has also identified recovery observations of comet P/2001 TU_{80} (cf. *IAUC* 7753) on Sept. 8 in incidental astrometry obtained with the Spacewatch 1.8-m telescope by Scotti. Again, a request to Scotti for confirmation yielded images with the 0.9-m reflector on Sept. 9.4 that show a coma diameter of 6'' and a faint tail extending 0'.16 in p.a. 225°. The indicated correction to the prediction on *MPC* 54171 is $\Delta T = -0.3$ day.

2008 UT	α_{2000}	δ_{2000}
Sept.8.43387	$6^h13^m37^s.98$	$+18°59'47''.5$

The new astrometry, together with the following revised orbital elements and an ephemeris, appear on *MPEC* 2008-R54.

$$\text{Epoch} = 2008 \text{ Nov. } 30.0 \text{ TT}$$
$$T = 2008 \text{ Dec. } 9.2712 \text{ TT} \qquad \omega = 355°.0388$$
$$e = 0.470561 \qquad \Omega = 109.1065 \quad 2000.0$$
$$q = 1.940235 \text{ AU} \qquad i = 6.5812$$
$$a = 3.664697 \text{ AU} \qquad n° = 0.1404905 \qquad P = 7.02 \text{ years}$$

2008 September 9 *Daniel W. E. Green*