Circular No. 8614

**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)

*COMET P/2005 T2 (CHRISTENSEN)*

E. J. Christensen reports his discovery of a comet on CCD images taken with the Mt. Lemmon Survey 1.5-m reflector, the object showing a moderately condensed 7″ coma with a faint 10″ tail spanning p.a. 220°–240° on four co-added 180-s frames (discovery observation tabulated below).

| 2005 UT | $\alpha_{2000}$ | $\delta_{2000}$ | Mag. |
|---|---|---|---|
| Oct. 7.21163 | $0^h49^m48^s.96$ | $+18°35'58''.7$ | 19.9 |

The available astrometry, the following preliminary orbital elements, and an ephemeris appear on *MPEC* 2005-T66.

$$\begin{array}{lll} T = 2005\ \text{Mar. } 18.933\ \text{TT} & \omega = 56^\circ.235 & \\ e = 0.42490 & \Omega = 258.152 & 2000.0 \\ q = 2.25287\ \text{AU} & i = 8.762 & \end{array}$$
$$a = 3.91735\ \text{AU} \qquad n^\circ = 0.127121 \qquad P = 7.75\ \text{years}$$

*COMET P/2005 T3 (READ)*

M. T. Read reports his discovery of a comet on CCD mosaic images obtained with the Spacewatch 0.9-m *f*/3 reflector, the object noted as diffuse with a short tail toward the southeast (discovery observation below). Follow-up observations by J. V. Scotti with the 1.8-m *f*/2.7 reflector on Oct. 8.41–8.48 UT show a possible very faint tail.

| 2005 UT | $\alpha_{2000}$ | $\delta_{2000}$ | Mag. |
|---|---|---|---|
| Oct. 7.33306 | $2^h00^m18^s.71$ | $+12°27'31''.9$ | 20.6 |

The available astrometry, the following very preliminary orbital elements, and an ephemeris appear on *MPEC* 2005-T67.

$$\begin{array}{lll} T = 2004\ \text{Nov. } 20.230\ \text{TT} & \omega = 337^\circ.154 & \\ e = 0.26759 & \Omega = 27.805 & 2000.0 \\ q = 5.92218\ \text{AU} & i = 5.804 & \end{array}$$
$$a = 8.08584\ \text{AU} \qquad n^\circ = 0.042866 \qquad P = 22.99\ \text{years}$$

*(809) LUNDIA*

A. Kryszczynska, Poznan Astronomical Observatory, and colleagues have reported on *CBET* 239 that their observations indicate a binary nature for (809) and call for additional photometry and direct imaging.

2005 October 11  *Daniel W. E. Green*