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ASTRONOMICAL TELEGRAMS.

(Translations.)

CAMBRIDGE, MASS., April 16, 1902.

To Lick Observatory. (Received 11:00 A. M.)

BROOKS telegraphs that he has confirmed his discovery of a comet on April 14th; its position at 16^h (Eastern Standard Time), April 15th, was R. A. 23^h 8^m 10^s; Decl. + 27° 25'; its daily motion 12^m east and 2° south; brightish, with tail.

(Signed) E. C. PICKERING.

MT. HAMILTON, CAL., April 17, 1902.

To Harvard College Observatory. (Sent 9:30 A. M.)

To Students' Observatory, Berkeley.

Comet Brooks was observed by AITKEN on April 16-.9946 G. M. T. in R. A. 23^h 21^m 7^s.7; Decl. + 25° 12' 25".

(Signed) W. W. CAMPBELL.

CAMBRIDGE, MASS., April 17, 1902.

To Lick Observatory. (Received 1:00 P. M.)

Kiel cables that Comet Brooks was observed by POSTELMANN at Koenigsberg on April 16.5521 G. M. T. in R. A. 23^h 15^m 41^s.1; Decl. + 26° 6' 35".

(Signed) E. C. PICKERING.

BOSTON, MASS., April 27, 1902.

To Lick Observatory. (Received 10:00 A. M., April 28.)

Elements and ephemeris* of Comet 1902 *a* have been cabled from Kiel as follows:—

$T = \text{May } 7:12, \text{ G. M. T.}$

$\omega = 228^\circ 23'$

$\Omega = 52 \ 15$

$i = 66 \ 30$

Natural $q = 0.4512$.

(Signed) J. RITCHIE, JR.

To Dr. CAMPBELL, BERKELEY, CAL., May 2, 1902.

Lick Observatory. (Received 11:20 A. M.)

Elliptic elements† and ephemeris* of Comet 1902 *a* were computed by STEBBINS, CURTISS, WEYMOUTH, and LEUSCHNER as follows:—

* The ephemeris at four-day intervals is here omitted.

† According to a later message, these elements are referred to the Equator—not the Ecliptic.

$$\begin{aligned}T &= \text{May } 28.39, \text{ G. M. T.} \\ \omega &= 274^{\circ} 30' \\ \Omega &= 35 \quad 3 \\ i &= 71 \quad 50 \\ \text{Natural } q &= 0.5542 \\ e &= 0.3947 \\ \text{Period} &= 0.88 \text{ years.}\end{aligned}$$

This is a rough approximation. The orbit indicates probable identity of this comet with Comet 1748 II.

(Signed) A. O. LEUSCHNER.
