Elements of Comet 1882 I (Wells).

From my own observations of March 19, April 5 and 22 I have computed the following elements of Comet Wells.

$$\begin{aligned} T &= 1882 \text{ June } 10.50946 \text{ Gr. M. T.} \\ \pi &= 53^\circ 55' 52''.2 \\ \delta &= 204 \ 53 \ 34.8 \\ i &= 73 \ 46 \ 32.0 \end{aligned} \left. \vphantom{\begin{aligned} T \\ \pi \\ \delta \\ i \end{aligned}} \right\} \text{mean Equ. } 1882.0$$

$$\log q = 8.7821104.$$

$$\begin{aligned} \text{Middle Place (C—O):} \\ \Delta \lambda \cos \beta &= + 2''.3 & \Delta \beta &= + 0''.1 \end{aligned}$$

O. C. Wendell,

Assistant at Harvard College Observatory.

Comet 1882 III (Barnard).

This Comet was found on the morning of Sept. 14 at three o'clock, local time. It was quite distinct 2' diameter and of about the tenth magnitude or fainter. From two ring-micrometer comparisons with λ Geminorum (B.A.C. 2398) the comet was, at 4^h31^m50^s Nashville mean time, in α 7^h17^m33^s.7; δ + 16° 44' 52" (as afterward reduced from my observations, by Mr. Chandler).

The following morning observations showed it to have a daily motion of 54' toward the south east; it being on that morning (Sept. 15) in α 7^h19^m14^s δ + 15° 56' 5" as obtained with the finder. When found the comet was round without a trace of tail.

My last observation of it was on October 16. a. m. It was quite bright, easily visible in a 1¹/₄ inch finder and had a smudge of a tail pointing away from the sun. This comet was discovered while engaged on my regular comet sweeps.

Nashville Tenn., U. S. A., 1883 Jan. 8.

E. E. Barnard.

Entdeckung eines neuen Planeten (232) durch Herrn J. Palisa.

Die Centralstelle für astr. Telegramme erhielt folgendes Telegramm, welches sofort an die Theilnehmer, ausserdem an das Observatorium Cambridge, Mass., behufs Mittheilung an Amerikanische Sternwarten und an Lord Crawford, Dun Echt, weiter befördert wurde.

Planet Palisa 1. Februar 10^h24^m7 M. Z. Wien: α app. = 151° 15' 15" δ app. = +9° 49' 45"
Bewegung —11' und +7' Grösse 12.3.

Weiss.

Nachträglich lief folgende schriftliche Mittheilung ein, in der Declination vom 1. Febr. etwas abweichend (vielleicht in Folge genauerer Reduction?):

Jan. 31 11^h41^m43^s M. Z. Wien, (232) α = 10^h 5^m40^s.85 δ = + 9° 42' 23".9
Febr. 1 10 24 45 " " 10 5 0.99 + 9 49 3.1
Tägl. Bew. —42^s und +7'.

J. Palisa.

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