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HARVARD COLLEGE OBSERVATORY

ANNOUNCEMENT CARD 1006

New Comet. — Dr. Shapley announces from the Oak Ridge Station of Harvard Observatory the discovery of a comet by M. K. Vainu Bappu, Bart J. Bok, and Gordon A. Newkirk, Jr. The comet was found on a photograph made with the 24-33-inch Jewett-Schmidt telescope.

1949 July 2.30537
R.A. 19h 47m.0
Dec. +38° 36'
Magnitude 13
Description 7 (no tail; diffuse; central condensation)
Daily motion: 3m.6 west; 29' north

The discovery is confirmed on two Jewett plates taken the following night by Bok and Vainu Bappu. The latest approximate position is

1949 July 3.168 R.A. 19h 43m.9, Dec. +39° 01'.

HARLOW SHAPLEY

1949 July 5

3a

HARVARD COLLEGE OBSERVATORY

ANNOUNCEMENT CARD 1007

Comet Bappu-Bok-Newkirk. — The following positions of Comet Bappu-Bok-Newkirk have been received:

Table with columns: 1949 U.T., R.A. 1949.0 (h m s), Dec. (° ' "), Mag., Observer. Rows include observations by Bappu, Hamid, Newkirk, Schmitt, and Van Biesbroeck.

HARLOW SHAPLEY

1949 July 8

3b

HARVARD COLLEGE OBSERVATORY

ANNOUNCEMENT CARD 1008

Comet Bappu-Bok-Newkirk. — The following elements and ephemeris of Comet Bappu-Bok-Newkirk have been received:

Table with columns: Observer (Hamid, Bappu; Maxwell; Cunningham), Date (1949 Nov. 22.91546 U.T., Nov. 22.585, Nov. 22.938), and orbital elements (omega, Omega, i, q).

EPHEMERIS, 1949.0 (Cunningham, \*Bappu)

Table with columns: 1949 U.T., R.A. (h m s), Dec. (° ' "), p, r, and Mag. (4, 6). Rows show dates from July to August.

New Object. — Three positions of a rapidly moving object, discovered by Dr. W. Baade, have been obtained by Dr. Robert S. Richardson and Dr. Seth B. Nicholson with the 48-inch Schmidt telescope on Palomar Mountain:

Table with columns: 1949 U.T., alpha (1950.0), delta (1950.0). Rows show positions for June and July.

Magnitude 15
The position of the observatory is
116° 51' 8 W, 33° 21' 4 N

HARLOW SHAPLEY

1949 July 11