

INFORMATION Tel:

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The Astronomer

PRODUCTION:

ANNE HURST.

Comet Kohler (1977m)

Founded 1964

Hurst has obtained the following semi-precise visual positions using 26cm reflector:

| | | | |
|------------------|-------------------|---------------------|---------|
| 1977 Sep 10.8340 | UT RA 15h 35m 10s | +27° 30' 15" (1950) | m1 10.4 |
| 10.8715 | 15 35 13 | +27 29 03 | 10.4 |

Observations made on Sep 11 again gave $m_1=10.4$ using defocussed star images of BAA sequence for R CrB. Coma dia est $2\frac{1}{2}'$, well condensed, with a mag 12 stellar type condensation north of centre. P. Birtwhistle has calculated the following 2-day ephemeris from an original telexed by Marsden and has added magnitude data:

| | | | | | | | |
|-------------|------------------------|----------|------------|-------------|------------------------|----------|-------|
| 1977 Sep 12 | 15h 37 ^m .5 | +27° 06' | $m_1=10.4$ | 1977 Sep 22 | 15h 59 ^m .9 | +23° 27' | m_1 |
| 14 | 15 41 .6 | +26 25 | | 24 | 16 05 .0 | +22 38 | 9.7 |
| 16 | 15 45 .9 | +25 42 | | 26 | 16 10 .2 | +21 48 | |
| 18 | 15 50 .5 | +24 59 | 10.1 | 28 | 16 15 .7 | +20 55 | |
| 20 | 15 55 .1 | +24 14 | | 30 | 16 21 .3 | +20 00 | 9.4 |

Additionally Peter advises that the above data suggests that perihelion will occur on approx T=1977 Nov 10 with $q=.991$ AU, at which time the comet's mag should be about $m_1=8.1$

Ephemeris extensions can be obtained by telephoning the Editor at the end of Sep and written reports should be submitted at that time. Photographic negatives should be sent as soon as possible for measurement.

Amor-type Object

Marsden telexes that Wilde has discovered this object and an ephemeris follows:

| | | | |
|-----------------------------------|----------|------------------------------------|----------------|
| 1977 Sep 9 22h 54 ^m .2 | +16° 44' | 1977 Sep 19 23h 00 ^m .3 | +17° 39' |
| 14 22 57 .2 | +17 26 | 24 23 03 .7 | +17 37 Mag 15. |

It is unclear whether the magnitude is photographic or photovisual but observers with prime focus capability are encouraged to attempt exposures and to send negatives for scrutiny with accurate times of start and finish to the Editor.