

1875 JAN. 86. ... 64 S

| Date. | Name of Object. | Weight. | App. AR. at Transit. |
|---------|-----------------|---------|----------------------|
| 1875 | | | h m s |
| Febr. 1 | 2nd Limb | 5 | 17 17 27.11 |

The weights are estimated at the time of observation, they are reckoned from 0 to 10; the letters attached

ched to the weights signify as follows. b. boiling; c. cloudy; d. diffused; f. faint; u. unsteady.
 Adopted Latitude 37°49'53"3 S.
 Adopted Longitude 9h 39m 54sec. 8 E. of Greenwich.
 12. Februar 1875.
Robth. J. Ellery, Government Astronomer.

Note on the double star, H 546.

This pair is described by Sir *John Herschel* as follows:
 RA. = 14^h12^m ± } P = 40° ± 5.6 mag. Third class.
 Decl. = -11°28' ± } Red: blue very pretty.
 The distance of the pair is not given, nor the magnitude of the small star. Not being able to find any bright star catalogued in this place, I examined the vicinity a few night since with a 6-in. refractor, and after some search succeeded in identifying the pair. *Herschel's* place is largely in error both in RA. and Decl., the later amounting to about 1°7'. This star is B. A. C. 4777, and its place (for 1830 as above) is, —

RA. = 14^h16^m5^s.6,
 Decl. = -12°34'44".

In that Catalogue it is entered as a 7th magnitude star and on this occasion appeared, to be about that, or perhaps a little brighter. The companion is of *Herschel's* 11th magnitude, and about 30", or 40" from the primary in the direction of 40°. The colors are not very striking in a small aperture. It is not found in any other catalogue of double stars. There is no doubt of the identity of this with *Herschel's* pair.
 Chicago, May 10, 1875.

S. W. Burnham.

Todes-Anzeige.

Am 14. Juni, gegen 6 Uhr Morgens, entschlief, nach nur einiger Tage Leiden, der Direktor der hiesigen Sternwarte,

Professor Dr. Heinrich Louis d'Arrest,

wovon der Unterzeichnete, mit Schmerz über das frühe Hinscheiden seines Freundes, den Lesern dieser Zeitschrift Mittheilung macht.

Sternwarte Kopenhagen, 18. Juni 1875.

H. C. F. C. Schjellerup.

Inhalt:

Zu Nr. 2043—2044. *A. Marth.* Ephemerides of the Satellites of Saturn. 1875. 33. — *d'Arrest.* Auffindung neuer, ausgezeichnete Fixstern-Spectra vom III. und IV. Secchi'schen Typus. 53. — *Robth. J. Ellery.* Observations of the Moon and Moon Culminating Stars made at the Melbourne Observatory. 59. — *S. W. Burnham.* Note on the double star, H 546. 63. — *H. C. F. C. Schjellerup.* Todes-Anzeige. 64.

Kiel. 1875, Juni 25.

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5.

Kreismicrometer-Beobachtungen am Sechsfüßer zu Düsseldorf.

(17) Thetis. (10.11) Grösse.

| | M. Zt. Düsseldorf | RA. | Decl. | |
|-----------------|---|--|--------------|------------------------|
| 1875, Januar 26 | 9 ^h 36 ^m 40 ^s .8 | 9 ^h 49 ^m 31 ^s .72 | +15°11' 38"8 | 8 Vergl. mit * a (9.1) |
| 30 | 9 47 54.1 | 9 46 12.64 | +15 38 28.2 | 8 " " b (9) |
| Februar 1 | 10 34 11.2 | 9 44 25.47 | +15 52 29.0 | 6 " " c (9.5) |
| 7 | 9 58 28.4 | 9 38 54.93 | +16 34 8.6 | 10 " " d (9.5) |

Vergleichsterne.

| 1875 | * Gr. Mt. Oert. 1875.0 | Schb. Oert. f. d. Beob.-Tag | |
|-----------------|---------------------------|-----------------------------|---------------------------------------|
| Januar 26 a 9.1 | 148°55' 21"2 +15°13' 39"1 | 148°55' 40"6 +15°13' 37"0 | Argelander Bonn. Beob. Bd. VI, p. 91. |
| 30 b 9 | 147 44 20.6 +15 38 49.0 | 147 44 41.3 +15 38 46.8 | " Bd. VI u. Foerster A. N. 1383. |
| Februar 1 c 9.5 | 143 35 11.4 +15 52 34.6 | 143 35 33.0 +15 52 33.2 | " Bd. VI, p. 91. |
| 7 d 9.5 | 143 27 6.5 +16 35 34.1 | 143 27 29.4 +16 35 32.5 | Becker 2 neue Berlin. Beob. |

(53) Calypso. (11.12) Grösse.

| | | | | |
|---------------|--|---|------------|--------------------|
| 1875, April 9 | 10 ^h 55 ^m 14 ^s .8 | 12 ^h 20 ^m 47 ^s .30 | + 4°8'10"3 | 6 Vergl. mit * (8) |
|---------------|--|---|------------|--------------------|

Vergleichstern.

| | | | | | |
|-----------|-------------|-----------|------------|-----------|------------------|
| April 9 8 | 181°31'42"8 | +4°5'53"5 | 181°32'8"6 | +4°5'42"9 | Bessel Zone 159. |
|-----------|-------------|-----------|------------|-----------|------------------|

(68) Leto. (11) Grösse.

| | | | | |
|----------------|---|--|-----------|-----------------------|
| 1875, April 26 | 11 ^h 3 ^m 16 ^s .5 | 14 ^h 44 ^m 4 ^s .20 | -15°2'4"5 | 10 Vergl. mit * (7.8) |
|----------------|---|--|-----------|-----------------------|

Vergleichstern.

| | | | | | |
|--------------|------------|------------|-------------|------------|--------------------------|
| April 26 7.8 | 220°48'3"7 | -15°0'17"3 | 220°48'31"9 | -15°0'32"3 | Bessel Zone 247 und 248. |
|--------------|------------|------------|-------------|------------|--------------------------|

(108) Hecuba. (11.12) Grösse.

| | | | | |
|----------------|--|---|---------------|----------------------|
| 1875, April 11 | 14 ^h 46 ^m 29 ^s .0 | 13 ^h 44 ^m 16 ^s .61 | --14°50' 55"1 | 7 Vergl. mit * a (8) |
| 24 | 10 9 26.2 | 13 34 11.36 | -14 10 20.7 | 6 " " b (9) |
| 26 | 12 35 45.7 | 13 32 36.13 | -14 3 20.6 | 5 " " c (9) |

Vergleichsterne.

| | | | | | |
|--------------|--------------|-------------|--------------|--------------|-----------------------------|
| April 11 a 8 | 207° 4' 49"4 | -14°54' 7"9 | 207° 5' 14"7 | -14°54' 22"0 | Argelander Zone 298, Nr. 21 |
| 24 b 9 | 202 13 9.4 | -14 11 23.8 | 202 13 36.0 | -14 11 38.6 | Bessel Zone 242 |
| 26 c 9 | 205 11 36.0 | -14 1 42.1 | 205 12 3.1 | -14 1 57.0 | " " " |

(113) Amalthea. (gut 10.11) Grösse.

| | | | | |
|--------------|--|---|-------------|----------------------|
| 1875, Mai 24 | 11 ^h 16 ^m 32 ^s .3 | 15 ^h 28 ^m 35 ^s .73 | -10°15' 2"7 | 8 Vergl. mit * a (9) |
| 30 | 11 25 21.1 | 15 23 19.60 | -10 10 13.0 | 6 " " * a (9) |
| Juni 3 | 11 50 46.4 | 15 20 9.09 | -10 9 40.8 | 8 " " * b (8.9) |

Vergleichsterne.

| | | | | | |
|--------------|--------------|--------------|-------------|--------------|--|
| Mai 24 a 9 | 232°37' 31"2 | -10°11' 56"2 | 232°38' 4"4 | -10°12' 10"8 | Encke ₂ u. Bessel ₂ Astr. Nachr. 27 Bd. p. 20. |
| 30 a 9 | 31.2 | 56.2 | 5.1 | 10.6 | " " " " |
| Juni 3 b 8.9 | 228 57 23.2 | -10 12 12.8 | 228 57 56.7 | -10 12 27.3 | Rümker Astr. Nachr., 26. Band, pag. 61. |

86. Bd.

5