

a little following the variable to be 11.5. Two other stars lying respectively south and south preceding the variable were assumed to be 11.2 and 11.0. There is some little doubt respecting the absolute magnitudes of these comparison stars, as there are considerable differences between the visual and photographic brightness of a number of the stars in this region. But the relative photographic magnitudes were carefully determined. The variable, however, is very much fainter on the photographs than it is in the telescope. On

Hove, 1901 March 4.

March 3 with a  $2\frac{3}{4}$  inch refractor it appeared considerably brighter than either BD. +43°731 or BD. +43°733 (both 9.1), and certainly not less than 9.0 mag. There must be a difference of considerably over a magnitude therefore between the photographic and visual brightness of this star, which is No. 978 of Mr. Espin's list of »Stars with remarkable Spectra« (A. N. 3286). It is there entered as being R, and with spectrum of type IV!

A. Stanley Williams.

### New Variable Star 69.1901 Andromedae.

To the list of variables should be added a star not included in the BD. whose approximate place for 1855 is

$$\text{RA.} = 0^{\text{h}} 43^{\text{m}} 5 \quad \text{Decl.} = +33^{\circ} 35'.$$

On 1900 Oct. 5 this star was  $<11^{\text{m}} 2$ ; but on 1901 Febr. 16 it had risen to  $10^{\text{m}} 7$ , and on March 10 to  $10^{\text{m}} 2$ . These values for its magnitude have been arrived at by

comparisons with three stars not contained in the BD. whose magnitudes and roughly estimated places for 1855 are as follows:

<i>a</i>	$10^{\text{m}} 4$	$0^{\text{h}} 42^{\text{m}} 8$	$+33^{\circ} 35'$
<i>b</i>	9.7	$0^{\text{h}} 42.9$	$+33^{\circ} 31\frac{1}{2}'$
<i>c</i>	11.2	$0^{\text{h}} 43.0$	$+33^{\circ} 30'$

Edinburgh, 21 East Claremont Street, 1901 March 11.

Thomas D. Anderson.

### Nova (3.1901) Persei

osservata al Piccolo Meridiano di Arcetri.

1901	$\alpha$ app.	$\delta$ app.	Red. ad 1901.0		$\alpha$ 1901.0	$\delta$ 1901.0
Febr. 25	$3^{\text{h}} 24^{\text{m}} 29^{\text{s}}.79$	$+43^{\circ} 34' 2''.9$	$-1^{\text{s}}.66$	$-9''.6$	$3^{\text{h}} 24^{\text{m}} 28^{\text{s}}.13$	$+43^{\circ} 33' 53''.3$
26	29.72	3.4	$-1.64$	$-9.5$	28.08	53.9
27	29.66	4.3	$-1.62$	$-9.4$	28.04	54.9

Lo splendore di questa stella fu riscontrato in Arcetri, in queste tre belle sere, tanto nel crepuscolo, quanto durante la notte, minore di  $\alpha$  Aurigae, e maggiore di  $\beta$  Aurigae ed  $\alpha$  Persei.

Arcetri-Firenze, 1901 Marzo 5.

B. Viaro.

### Nova (3.1901) Persei.

Telegramm aus Jurjew (Dorpat), eingegangen März 21, Mittags:

»März 20 Helligkeit Nova Persei nimmt wieder zu. Pokrowsky.«

### Beobachtungen von kleinen Planeten.

(449) [1899 EU]. 13. März  $12^{\text{h}} 0^{\text{m}} 0$  Heid. RA. =  $189^{\circ} 43'$  PD. =  $88^{\circ} 14'$  Gr.  $11^{\text{m}} 5$  tgl. Bew.  $-14' -5'.^*)$

1901 GC. 13. März  $11^{\text{h}} 38^{\text{m}} 0$  Heid. RA. =  $151^{\circ} 32'$  PD. =  $81^{\circ} 7'$ .

1901 GD. 13. März  $11^{\text{h}} 38^{\text{m}} 0$  Heid. RA. =  $152^{\circ} 50'$  PD. =  $79^{\circ} 44'$ .

Heidelberg, 1901 März 14.

M. Wolf.

\*) Den Theilnehmern der Centralstelle als »Planet 1901 GH vielleicht 449« telegraphisch mitgetheilt. Die Ephemeride in Veröff. R. I. Nr. 13 ist fehlerhaft. Herr J. Möller hat eine im Anschluss an vorstehende Beobachtung verbesserte Rechnung mehreren Sternwarten brieflich zugehen lassen. Kx.

Planet (449) [1899 EU]. 17 Marzo  $9^{\text{h}} 8^{\text{m}} 2$  t. m. Roma AR. =  $188^{\circ} 57' 46''$  PD. =  $87^{\circ} 52' 27''$  Gr.  $11^{\text{m}} 0$ . Millosevich.

Inhalt zu Nr. 3697-98. A. Antoniazzi. Comete e Pianeti. 1. — V. F. Ascarza. Nota sobre la longitud de onda de la raya verde (1474 K) del espectro de la corona solar. 23. — J. Bauschinger. Bahnen der kleinen Planeten (457) bis (463). 23. — E. Millosevich. Quarta parte dell'Ephemeride di (433) Eros. 25. — Ch. André. Sur le système formé par la Planète double (433) Eros. 27. — A. Stanley Williams. New Variable Star 68.1901 Persei. 29. — Th. D. Anderson. New Variable Star 69.1901 Andromedae. 31. — B. Viaro. Nova (3.1901) Persei. 31. — Nova (3.1901) Persei. 31. — M. Wolf. Beobachtungen von kleinen Planeten. 31. — Millosevich. Planet (449) [1899 EU]. 31.