

1905	T.m. Padova	$\Delta\alpha$	$\Delta\delta$	Cf.	$\alpha$ app.	$\log p.A$	$\delta$ app.	$\log p.A$	Red. ad l. app.	*
Febr. 6	7 <sup>h</sup> 12 <sup>m</sup> 38 <sup>s</sup>	+0 <sup>m</sup> 23 <sup>s</sup> 80	+1' 50".8	10.10	2 <sup>h</sup> 22 <sup>m</sup> 25 <sup>s</sup> 24	9.322	+19° 15' 19".8	0.611	—0.03 —4".2	38
7	6 54 38	—0 29.96	—0 29.2	10.10	2 24 40.64	9.263	+19 52 57.0	0.595	—0.02 —4.1	41
8	7 9 38	—0 52.41	—1 46.5	10.10	2 27 0.94	9.326	+20 31 3.5	0.594	—0.02 —4.0	42
9	7 4 35	+0 9.44	+3 11.8	10.10	2 29 20.61	9.317	+21 8 4.5	0.584	—0.02 —3.9	43
10	7 20 11	—0 48.01	+0 56.1	10.10	2 31 44.12	9.374	+21 45 11.5	0.585	—0.02 —3.9	45

## Stelle di confronto.

*	$\alpha$ 1905.0	$\delta$ 1905.0	Autorità	*	$\alpha$ 1905.0	$\delta$ 1905.0	Autorità
1	1 <sup>h</sup> 16 <sup>m</sup> 39 <sup>s</sup> 39	— 8° 29' 59".0	AG. Ottakr. 276	25	1 <sup>h</sup> 57 <sup>m</sup> 46 <sup>s</sup> 85	+10° 54' 52".3	AG. Leipzig I 609
2	1 17 38.66	— 7 47 1.9	» » 278	26	1 58 12.30	+11 11 47.0	» » » 613
3	1 25 6.12	— 6 5 11.9	» » 303	27	1 58 45.06	+11 45 55.6	» » » 614
4	1 21 3.21	— 4 25 15.6	Val. 131	28	1 58 0.22	+11 53 23.0	» » » 612
5	1 24 30.40	— 3 41 16.4	1/2 (Schj. 455 + Par. 1842)	29	2 0 35.53	+12 38 7.5	» » » 622
6	1 27 17.01	— 3 37 7.1	1/2 (Ri. 331 + Yarn. 742)	30	2 5 42.79	+13 14 14.0	» » » 644
7	1 26 26.39	— 2 49 20.4	Riferita a * 8	31	2 4 29.31	+13 57 27.0	» » » 635
8	1 30 16.42	— 2 49 18.2	Val. 150	32	2 5 5.92	+14 34 23.7	» » » 642
9	1 21 16.27	— 2 41 40.9	Val. 132	33	2 5 19.44	+14 42 10.5	» » » 643
10	1 29 6.30	— 2 38 54.6	Par. 1933	34	2 13 59.15	+17 12 22.3	AG. Berlin A 643
11	1 26 46.74	— 1 56 48.0	Riferita a * 12	35	2 12 0.59	+17 20 45.8	» » » 636
12	1 31 1.08	— 1 53 30.2	AG. Nicol. 308	36	2 17 23.36	+17 58 26.1	» » » 655
13	1 28 38.20	— 1 15 42.4	BB. VI —1° 207	37	2 17 24.41	+18 37 56.9	» » » 656
14	1 27 8.78	— 1 3 30.5	AG. Nicol. 290	38	2 22 1.47	+19 13 33.2	Riferita a * 39 e a * 40
15	1 29 6.71	— 1 5 14.2	» » 300	39	2 20 21.34	+19 7 30.7	AG. Berlin A 670
16	1 31 0.03	— 0 22 49.3	» » 307	40	2 21 39.08	+19 26 14.5	» » » 675
17	1 28 6.96	— 0 21 42.5	» » 295	41	2 25 10.62	+19 53 30.3	» » » 685
18	1 29 42.99	— 0 15 11.3	» » 302	42	2 27 53.37	+20 32 54.0	» » » 772
19	1 29 55.12	+ 0 27 56.7	» » 303 m. p.	43	2 29 11.19	+21 4 56.6	Riferita a * 44
20	1 34 38.83	+ 0 28 0.5	» » 321	44	2 26 58.24	+21 2 24.4	AG. Berlin B 767
21	1 28 6.34	+ 0 31 54.6	» » 294	45	2 32 32.15	+21 44 19.3	Riferita a * 46 e a * 47
22	1 53 28.52	+ 9 37 44.0	Riferita a * 23	46	2 32 46.00	+21 36 33.6	AG. Berlin B 794
23	1 50 0.93	+ 9 43 14.8	AG. Leipzig II 732	47	2 36 5.65	+21 50 15.5	» » » 807
24	1 56 6.31	+10 22 49.1	AG. Leipzig I 601				

Padova, 1905 Febbrajo.

A. Antoniazzi.

## On the variable 47.1905 Aurigae.

The discovery of the variability of this star (= 48 Aurigae) by Mr. T. H. Astbury of Wallingford was announced by Professor Turner in the A. N. 4010. Observations made here fully confirm the variability of the star. The following elements of variation have been derived from observations on 19 nights communicated by the discoverer, and 10 made here by the writer:

Hove, 1905 May 12.

Maximum = 1905 April 6.3 (J. D. 2416942.3) +3<sup>d</sup>75 E and these elements, although necessarily at present somewhat approximate, cannot be far from the truth.

The variation is of the  $\delta$  Cephei type, the increase being considerably quicker than the decrease, the interval M—m being 1<sup>d</sup>1. The range of variation is about 0<sup>m</sup>55 (5<sup>m</sup>0 to 5<sup>m</sup>55).

A. Stanley Williams.

**Planet Mars.** (Telegramm aus Boston, Mass. vom 28. Mai.) Lowell telegraphs: Canals of Mars have been photographed here by Lampland Nilo Syrtis, Casius, Vexillum, Thoth, Cerberus, Helicon, Styx, Chaos, Liedus [Libneus?] and others, some appearing on more than twenty negatives. *Pickering.*

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