KG
11365
458

1879phae..proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

XG-113165.458

Book 14. Page 181 ~~H. C. 4447 for 15.20 read 15.87~~

~~" " " " " " " 15.07 " 15.73~~

~~" 15 " 71 " 4234 " 12.0 " 11.9~~

~~" " " 131 " 4572 " 20.87 " 20.93~~

~~" " " 132 Vlet 4563 " 10.89 " 10.13~~

~~" 17 " 39 H. C. 1225 " 20.77 " 20.73~~

~~" 17 " 44 " 4964 " 16.93 " 16.03~~

~~" " " 107 Neb. in Orion " 12.5 " 12.4~~

~~" " " 109 " " " " 32.0 " 31.0~~

~~" " " 123 " 17.7 read 17.8~~

~~" " " 125 " 14.6 " 14.7~~

~~" " " " " 14.6 " 14.4~~

~~" " " " " 23.8 " 23.5~~

~~" " " 202 H. C. 2343 " 12.7 " 13.0~~

~~Book 18. Page 6. H. C. 3987 for 33.5 read 33.9~~

~~" " " 10 H. C. 4302 for 7.3 read 3.7~~

" " " 34 Vesta for 397.6 read 400.9

" " " 39 " for 396.5 read 396.2

~~" " " 41 H. C. 4378 for 3.8 read 4.8~~

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879pnae.proj.:4590

~~Book 18 Page 108 G. C 4207 4290 for 14.3 read 14.6~~

~~" " " 109 " 4378 " 3.2 read 4.2~~

" " " 211 " ~~4487~~ (?) 2.52 read 2.65

~~" 18 " " " " 12.70 read 12.37~~

~~" 19 " 9 " 4487 " 2.46 " 2.52~~

~~" " " 73 " 4582 " 2.37 " 20.37~~

~~" " " " " " " 7.33 " 7.07~~ 7.73

~~" 20 " 122 " 4415 " 2.3~~ " 2.37

" 22 " 182 Neb. inclusion " 11.8 " 11.6

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879plae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Equatorial Stock.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

XG 11365.458

HARVARD
UNIVERSITY
LIBRARY
MAY 7 1956

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phtec.proj.-4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1979phdt..proj..1930

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Index.

Page.

10. Variables and Comp. Stars. (Estimates.)
12. Meas. of light of Nebulae - also examination of spectrum.
14. " " stars near Pole.
16. " " β Persei and δ Mu. +41° 25'.
18 " " distance and diameter with Phot. Mb.
20 " " light of stars, planets &c. - also spectra.
20a " " " " Moon.
32 " " " and diam. of Comets. - also spectrum.
36 " " " of Sats. of Mars.
38 Contin. of "Variables and Comp. Stars."
60 Wedge Photometer Tubes.
80 Obs. of Asteroids.
90 Settlement of Doubtful Cases with Meridian Circle.
100. Selection of Standard Comp. Stars near Var.
105. Location of Faint Comp. Stars near Var.
110. Rel. Est. of Comp. Stars for Var.
120. Nebulae (Light. Spectrum, and Diameter)
19. Meas. of Sawyer's Var.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

~~Variables and Comp. Stars.~~

Book.	Page.		
13	160.	R Leonis.	Phot. K.
"	164.	" "	
"	190.	" "	
"	199	" "	
"	203	R Virginis.	Phot. K.
14	19	S Cancri.	
14	46.	R Virginis.	
"	61.	S Cancri.	
✓17	91.	" "	Phot. Q.
✓~~17~~ "	181.	" " and comp. stars.	Phot. Q.
✓18	205.	Obs. of ~~Var.~~ R — and Comp. Stars.	Constellation not recorded
✓19	21.	~~S Coronæ~~.	Phot I.
✓ "	30.	" "	— " —
✓ "	34.	" "	— " —
✓20	190.	T. Cephei; stars near.	Phot. S.
✓21	54.	T Cephei. (U Ceph.?)	
✓ "	62.	Dm. +81° 25.	U Ceph.
✓22	6.	~~S Cancri~~. U Ceph.	Phot. S.
✓23	42.	Var. in Ursæ. (one estimate)	
✓ "	103.	Urs. " " head of Hydra (one est.)	
✓ "	144.	Var. in Puppis.	" "
✓~~24~~	198.	" " Urs. Min.	" "
✓25	80.	" " " "	(est.)
✓ "	98	" S Sagittæ	"
✓ "	140	" in Urs. Min.	"
26	34 ✓	" " Puppis.	Place est.
"	41	Susp. Var. in Cepheus.	est.
"	49	Var. in Urs. Min.	est.
"	50.	Susp. Var. in Cepheus.	est.
"	54	Var. in Urs. Min.	est.
"	76-7	" " Cepheus.	at normal lt.
"	84	Est. of β Ceti.	est.

Places of stars near β Aquilæ

Book.	Page.		
26	93.	Est. of β Ceti.	est.
"	96	" " " "	"
"	102	" " " "	"
"	102.4	Ceph. mb. stars in Ceph. mb.	108. β Ceti 109 111. mb.
"	114.	Susp. Var. in Cepheus.	
"	" 120	Est. of β Ceti.	est.
"	124.	S. V. in Cepheus.	mb.
"	132	β Ceti	133. β Ceti 140. β Ceti
"	149.	" "	"
"	"	Ceph. Nb.	
"	151.	Est. of β Ceti.	
"	"	" " S. V. in Cepheus.	mb.
"	156	" " "	mb.
"	159.	Est. of β Ceti.	mb.
"	162.	" " " "	mb.
"	176.	" " " "	mb.
"	185.	" " " "	est.
"	"	S. V. in Cepheus.	mb.
"	147.	Est. of β Ceti.	mb.
"	195.	Var. in Cepheus.	mb.
"	199.	Est. of β Ceti.	est.
"	214.	Susp. var. in Comp. of S.V. in Cas. Lacaille 2	mb.
~~27~~ 27	~~4~~ 40	~~Comp. Stars for S.V. in Cas.~~ Var. in Puppis.	est. Places of stars -
"	119	" " "	est.
"	120	" " "	average of comp. stars.
"	168	R Coronæ.	Phot 4?
"	175.	" "	Places of stars
"	177	" "	1 magn. star. Thumb pr
28	5.	Sawyer's Var.	est.
28	79	β Serp. Est. of β Serpentis.	mb.
"	91.-105.	Sawyer's Var.	Phot J but readings look like Phot H?
"	104.	Probs. Sawyer's Var.	Phot H?
"	109-111.	Sawyer's Var.	Phot H.
"	115.	Est. of β Serpentis.	mb.
"	119.	" "	mb.
"	120.	Sawyer's Var.	Phot H
"	123.	Est. of β Serpentis.	mb.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

~~Variables, and Comp. Stars.~~

Book.	Page.		
28	124–174.	Prob. Sawyer's Var. throughout.	Phot. H
"	170–190.	" " " "	Phot H
"	141. 182–190.	Est. of θ Serpentis. Sawyer's Var.	n.b. Phot H.
"	191–216.	Sawyer's Var. observed more or less between these pages.	
"	194.	Est. of θ Serpentis.	n.b.
29	3–14.	Sawyer's Var.	Phot H
"	14.	" "	Phot H
"	23–42.	" "	Phot H
"	54–5.	" "	Phot H
"	54	Est. of θ Serpentis.	n.b.
"	80–3.	Sawyer's Var.	Phot H
"	121–132.	" "	Phot H
30	50. 163	Var. in "Puppis est. 192. θ Serp. est. 8 Phot. diff. of 2 stars. U Tauri. (Estimate.)	
"	90	Est. of R. Cygni. – also stars v and w with Phot. H.	✓
"	95	Est. of R Androm.	✓
"	106.	" " S Arietis.	✓
"	126	" " S Cet.	✓
"	127	" " O "	✓
"	132	" " S Orionis.	✓
"	137–8	" " R Urs. Min.	✓
"	139	" " Var. in Puppis.	✓
"	150.	" " S Geminorum.	✓
"	176.	" " " "	✓
"	"	" " T "	✓
"	183.	" " S+T " also places of stars	✓
"	192 193	" " T U "	✓
"	194.	" " R "	✓
"	196.	" " R Urs. Min.	✓
"	198.	" " " " "	✓
"	204.	" Var. in Puppis.	✓

✓ (con. on p. 30a)

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Meas. of Light of Nebulae. – also Ex. of spectrum.

Book.	Page.		Book.	Page.		Book.	Page.	
13	176	G.C. (light) a	15	161	G.C.	17	169.	G.C.
"	212.	" " a	"	175.	"	"	173.	"
14	1.	" " a	"	177.	"	"	175.	"
"	57.	" (spec. only)	16	35.	"	"	191.	"
"	60.	" " "	"	37.	Ring Neb.	"	195.	"
"	82.	" " "	17.	5	G.C.	"	198.	"
"	93.	" " "	"	29.	"	"	200	"
"	97.	" " "	"	35.	"	"	201	"
"	154.	" " "	"	36	"	"	203	"
"	159	Ring Neb. "	"	41.	"	18	3	"
"	180.	" " (light)	"	44.	"	"	19	"
"	182.	G.C. (" + spec.)	"	50.	"	"	40	"
"	184.	" (light)	"	59.	+41° 4004.	"	46	"
"	195.	" (" + spec.)	"	66.		"	52	"
"	213.	" " " "	"	64.	+41° 4004.	"	58	"
15	1.	" (light)	"	65.	G.C.	"	65	"
"	31.	" "	"	71.	+41° 4004.	"	67	"
"	34.	Ring Neb. (light)	"	82.	G.C.	"	75-7	"
"	46.	G.C. "	"	90.	G.C.	"	101-2.	"
"	48.	Ring Neb. light	"	94.	"	"	108-9.	"
"	51.	G.C. (light + spec.)	"	97.	"	"	112.	"
"	53.	" " " "	"	100.	Neb. in Orion.	"	145.	H.C. 4.
"	57.	" " " "	"	105.	" " "	"	146.	H.C. 1.
"	70.	" " " "	"	110.	G.C.	"	151.	" "
"	73.	" " " "	"	111.	Neb. in Orion.	"	152.	" 4.
"	92	" (spec)						
"	93.	"	"	113.	" " "	"	153.	" 2.
"	102.	"	"	127.	G.C.	"	207.	G.C.
"	104.	"	"	131.	Neb. in Orion.	19	4.	"
"	124.	"	"	136.	G.C.	"	23	"
"	129.	"	"	164.	"	"	33	" ?

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Meas. of Light of Nebulae – also. &c. of Spectrum.

Book.	Page.	
19	39.	Dumb Bell Neb.
"	64.	G.C.
"	69.	H.C. 2.
"	73.	Dumb Bell Neb.
"	190.	G.C.
20	117.	"
"	122.	"
"	132.	H.C. 6.
"	144.	" "
22.	64-v.	~~Neb. in Androm.~~ G.C. 1v6v.
"	110.	" in Orion.
"	182-4.	" " "
"	188-191.	" " "
"	197-201.	" " "
25v	6d	G.C.
"	71.	"
"	110.	Copeland's Neb.
"	134	" "
27	44	Several G.C's.
"	v2.	G.C. 1112. (spectrum).
"	"	" " 1461, 1463.
"	109-111.	G.C. 1461. &c.
"	211.-6.	G.C. 1423. &c.
28	2	" 2413.
"	4	~~+55° 1724, 1725 compared by Phot. H.~~
"	6	G.C. 4173.
29	2	Light of Plan. Neb.
30	4	G.C. 4v94.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Meas. of Stars near Pole.

13.	106.
"	197.
"	207.
14	14.
"	37.
"	44.
"	47.
"	54.
"	65.
26	106-7.
"	111-3.
"	115-6.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Meas. of β Persei and δ Mu. +41° 2v.

Rec. Book	Page.		Date.	Plate.
13.	182.	β Persei.	Apr. 2, 1879. 182 - 183	K.
15.	209.	" " and 7.3 magn. Phot. L.	Oct. 29, ". 209 - 218	L
16.	14.	" " " " " " "	Oct. 30, ". 14 - 16	L
17.	75.	" " Eye est.	Jan. 23, 1880. 75 - 77	
"	80.	" " " " and Phot. N.	Jan. 26, ". 80 - 85	N
"	86-7.	" " Phot. N.	Jan. 28-9, ". 86 - 87	N.
"	135.	" " Eye est.	Mar. 12, ". 135	
18	178	δ Mu. +41° 2v. Phot. J	Sept. 21, ". 178 - 9	I.
"	186.	" " " " "	Sept. 23, " 186 - 197	I.
19	3.	" " " " "	Sept. 28, " 3 - 10	I.
"	18.	" " " " "	" " " 18	I.
"	20-22	β Persei.	Sept. 29, " 20 - 22	R.
"	23.	" "	" " "	R.
"	24.	" "	" " "	R.
"	44.	δ Mu. +41° 2v. Phot R	Oct. 3, " 44 - 63	R
"	74.	" +41° 30. (6 exts only)	Oct. 6, " 74 - 75	R.
"	76.	β Persei.	Oct. 7, " 76 - 7	R.
"	79.	" "	" " " 79 - 108	R.
"	120.	" "	Oct. 9, " 120 - 2	R.
"	125.	" "	Oct. 10, " 125 - 6	R.
"	128.	" "	" " " 128 - 38	R.
"	145.	" "	Oct. 12, " 145 - 6	R.
"	160.	" "	Oct. 24, " 160 - 4	R.
"	204	" "	Nov. 2, " 204 - 210	R.
"	212	β Persei prob.	" " " 212 - 16	Polar.
20	1	" " " con.	" " " 1 - 14	"
"	61.	" "	Nov. 19, ". 61 - 62	R.
"	64.	" "	" ", " 64 - 70	R.
"	75	" "	Nov. 21, " 75 - 77	R.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Meas. of β Persei and Dm. +41° 2v com.

Book.	Page.		Date.	Phot.
20	81-103.	β Persei.	Nov. 22, 1880.	R.
"	158-167	" "	Dec. 9, "	Polar.
"	199.	" "	Dec. 22, " 199-201	R.
"	203.	" "	" " "	Polar.
"	205.	" "	" " "	"
"	206.	" "	" " " 206-208	"
21	22-39.	" "	Jan. 1, 1881.	"
"	174 Dm. +41°30.		Feb. 6, 7".	"
"	175 Dm. +41° 2v. 203.		" " "	"
22	22-60.	Dm. +41° 2v.	Feb. 17, "	"
"	69.	" " "	Feb. 22, "	R.
"	72.	" " "	" " "	R.
"	79.	" " "	" " "	R.
"	122-134.	" " "	Mar. 14, 15".	Polar.
"	146-172.	" " "	Mar. 24, 25"	"
"	187.	" " "	Mar. 28, "	"
	198-201	" " "	Apr. 2, "	"
"	202-216.	" " "	Apr. 3, "	R.
23	1-24.	" " "	" "4 "	R.
"	33-6.	" " "	Apr. 6, "	Polar.
"	62-v.	" " "	Apr. 11, "	"

See page 70 for Measurements of U. Ophiuchi

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

and diam.

Measts. of distance & Phot. Em.

13.	172.	54 Leonis.
"	179.	56 Aurigæ.
14.	112.	β Cephei.
"	123.	" "
"	135.	Interval between images on scale.
"	140.	Transits of Polaris over ruled plate.
"	143.	β Cephei.
15	78.	Diam. of Jupiter.
"	85.	Transits of Polaris over ruled plate.
"	91.	Diam. of Jupiter.
"	92.	S.C. & 72.
"	203.	Diam. of Saturn.
16	25.	" " Ansæ.
"	55.	" " "
"	63.	" " "
"		
(47)	124-6	Transits of Polaris for wire intervals.
(48)	213.	ε Ursæ Minoris.
(50)	16-7	Components Rack & Pinion.
(50)	160-1	Wire intervals.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Harvard Variable = U Ophiuchi.

1882. Aug. 11. 9h sidt.

" " 13. 3 "

" " 17. 5 "

" " 19. 3 "

" " 21. 11h "

" " 22. 12h 6 "

" " 24. 10 "

" " 25. 12 "

" " 26. 9 "

" " 28. 12 "

" " 29. 23 "

" " 30. 9h "

" Sept. 1. 23 "

" " 3. 3 "

" " 9. 9h "

" " 15. 9 "

" " 18. 12 "

" Oct. 4. 6h "

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

of stars. planets &c. – also spectrum.

Measts. of light. ~~Phot. Mn.~~

14.	143.	γ Draconis. Phot. H.	X	✓
"	145.	" " " " .	X	✓
"	199	Triple star near pole. Phot. H.		✓
"	203.	" " " " " "		✓
15	7.	" " " " " "		✓
"	25.	Dm. + 89° 37. a. " "		✓
16	70.	ζ Aquarii and small star. "(Polar Phot.)		∧
16	133.	Mars. Saturn, & Aurigae, & Urs. min. Phot. A.		
"	135.	" " Capella " " " " "		
"	139.	" " & Aurigae " " " " "		
"	202.	Star obs. by Prof. Hall. Phot. I.	X	
17	114-25.	Light of Pallas. Phot. Q.		
"	130.	" " Uranus. ~~(Polar. Phot.)~~ Phot. Q		
~~17~~	141.	" " " ——"—— " "		
"	142.	" " Juno. " "		
"	144.	" " Uranus. " "		
"	147.	" " Juno. Phot. 2. "		✓
"	150.	" " Uranus. ~~(Polar. Phot.)~~ " "		
"	151.	" " Ceres. " "		
"	154.	" " Juno. Phot. 2. " "		
"	158.	" " Ceres. " "		
"	"	" of ε and β Urs. min. Eye set.		
"	201.	" " ι Draconis. Phot. Q.	?	
"	202.	" " β Urs. maj. " "	?	
18	15	" " Vesta " "		
"	32-40.	" " " " "		
"	57.	Spec. of Dm. +0° 4743.		
"	122.	Oz. 17461. Spec. and light.		
"	129.	μ Sagittarii.		
"	134.	Oz. 17461.		
"	214	Spec. Nova Cygni.	X	

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Insects. of light of stars, planets &c, con. -also spectra.

20. 43. ζ Capric. Phot. S.
" 140. ζ Tauri. " "
" 154. Star spectrum.
" 177. ζ Tauri. Phot. S.
" 194-5. Spectrum of moon, ζ Orionis and Phot. S. on 1911'30.
" 210. " " 2 stars.
21 13. Spectra and colors of a series of stars.
" 17-22 Star spectra. (transits)
" 50. " "
" 104. " "
" 125. " " (U. A.)
" 142-145. " " and colors. (U. A.)
" 171. " " " "
" 176. Star with singular spectrum.
22 21. Jupiter compared with Venus. Phot. R.
" 63. " " " " " " (without lenses.)
" 65-6. Spectra and color of stars. (U. A.)
" 90. Jupiter compared with Venus. " " " "
" 91. " " " Saturn. " " " "
" 98-102. Comparison of Jupiter, Venus and Saturn. Phot. R.
" 104-6 " " " " " " " "
" 112-4 " " " " " " " "
" 116, 120. Spectra and color of stars (U. A.)
" 140-5. " " " " " "
" 173-6. Three stars in vicin. of Orion compared for Dr. Draper. Phot. I.
" 176-9. Spectra and color of stars. (U. A.)
" 181. Dr. Draper's stars. Phot. I.
" 193-4. Spectra and color of stars. (U. A.)
23. 25-7 " " " " " "
" 28-32 " " " " "
" 38-61. " " " " "

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Measts. of light of stars, planets &c. — also spectra, con.

Book.	Page.	
23.	68.-81.	Spectra and color of stars.
"	83-100.	" " " " "
"	104-9	" " " " "
"	112-119.	" " " " "
"	124-5.	" " " " "
~~23~~	~~126-9.~~	~~Measts of light of moon.~~
"	134-136.	Exam. of star spectra.
~~"~~	~~142-143.~~	~~Measts of light of moon.~~
~~"~~	~~144.~~	~~" " " " "~~
"	148.	Spectra and color of Sun. 2 obs.
"	150-153.	" " " of stars.
"	165-6	" " " " "
~~"~~	~~172-6~~	~~Measts of light of moon.~~
"	186-199.	Spectra and color of stars.
~~24.~~	~~47-51.~~	~~Measts of light of moon.~~
"	186-7	Spectra and color of stars.
"	163-170.	" " " " "
"	177-179.	" " " " "
"	190.	" " " " "
"	193-217.	" " " " "
25	2	" " " " "
"	2-9.	" " " " "
"	14	" " " " "
"	20-23.	" " " " "
"	26-29	" " " " "
"	36	Light of Mer. Plat. Stars, Phot. H. (Published)
"	40-41.	" " " " " " " ~~(All but 2 obs. put.)~~
"	44.	Spectra and color of stars.
"	66-67.	" " " " "
"	80.	Light of Mr. P. Stars. " " (Published)

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Measts. of light of stars, planets &c. — also spectra &c.

Book.	Page.		
25	192.	Light of δ Aquilae and stars fol.	Phot. I.
"	135-7	" " Iner. Phot. Stars.	" H. (Published)
"	139	" " " " "	" " (")
"	154	Color and Spectrum of V Coronae.	
"	155-8	Light of stars fol. δ Aquilae.	" I.
"	159-162.	" " " " β Aquarii.	" "
"	164.	Spectrum of R Ceti.	
"	184-7	Spectra and color of stars.	
"	196.	" of stars.	
"	201.	" " "	
"	207-211.	Light of Iner. Phot. Stars.	Phot. H. (All but 631 prob.)
26	4	Color and light of I Aquarii.	
"	12	Light of In. P. 631.	Phot. H. (Published)
"	14-26.	" " " " 3637. + others.	Phot. R. prob. (")
"	33-4	" " " " 631 " "	" " " (All but (225. prob.)
"	42	" " " " 321.	" " " incomplete;
"	45-6	" " " " 1225 ~~and 1226~~	" " "
"	46	Spec. and color of H. A. Cen. Irreg. #92.	
"	149.	Color of DM. +56° 2986.	
27	16-7.	Exam. of ε Orionis, stat. in Orion &c.	
"	22.	Color of star near ε Leonis.	
"	29.	+16° 2266. (Band sd.)	
"	52.	Exam. of spectrum of Var. in Perseus.	
"	56.	+57° 2713. (Position.)	
"	97-102.	Expts on spectra of several stars.	
"	115.	+19° 2796. (Color + Spec.)	
"	122-7.	Transits of star spectra.	
"	133-4.	Stars fol. γ Virginis with Fraser Photometer.	
"	167-174	" " ε Leonis and δ Leonis " " "	
"	175-6.	Comparison of Mercury with Venus &c.	

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj.4590

Measts. of light of stars, planets &c. — also spectra, con.

Book.	Page.		
27	179.-180.	Comparison of Mercury with Venus. Phot. R.	•
"	194-5.	" " " " " " " " prob.	•
"	204-5.	Mars fol. & Leonis, with wedge.	
28	1	Est. of Venus.	•
"	5.	Color and spectra of stars.	
"	4.	+5° Rel. 1724. 1725 compared with Phot. H.	• ^
"	9.	Light of Σ 946. Phot. H.	• ^
"	15.	Σ 1830	
"	19.	Comparison of Planets & stars. (Est.)	•
"	20.	Σ 1909. Phot. H.	^ ^
"	22.	Mars & Regulus.	
"	23.	θ Serpentis. Phot. H.	^ ^
"	26.	" " " "	^ ^
"	27.	Dbl. * Vol. XI. Phot. 2 (Polar. phot.)	• ^
"	34.	θ Serpentis 4 "	• ^
"	37.	θ " Phot. H.	• ^
"	38	Σ 2590. Phot. H.	• ^
"	42.	Σ 1625. (Light). Polar. phot.	• ^
"	44.-5	θ Serpentis. " " "	• ^
"	50.-65.	Σ 2655 &c. (light & color.) Polar. phot. (H prob.)	• ^
"	67.	Spectrum and color of U. A. Leg. 176.	
"	67-70.	Σ 2590. (light) Polar. phot.	• ^
"	72-3	Σ 2 &c. " " " .	• ^
"	77-9.	Σ 1625 &c. (light) " " ,	• ^
"	81-2.	Position of lines in spectrum of α Herculis.	
"	109	Σ 2590 (light) Polar. phot.	• ^
"	190.	Est. of Plan. Neb. H. C. No. 1.	
"	191-2	" " " " " " " " "	
"	193	" " " " " " " " 2.	
"	195.-7	Σ 3044 (light) Polar. phot.	• ^
"	198.	Est. of Plan. Neb.	
"	213.	Looked for Plan. Neb.	

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Measts of light of stars, planets &c. — also spectra, con.

Book.	Page.		
29	44-6.	Σ 3044 and 2220. Polar. phot.	.^
"	112.	Color and type of star.	
"	192.	θ Serpentis. Phot. H.	.^
"	193	Double Star with Photometer. (Polar.)	.^
30	39-40.	π Aristis and a double star, Phot. H.	.^
"	44-5.	" " " " " " " "	.^
"	49-50.	Double Star Phot. H. [illegible]	.^
"	95	Spectrum of R Cygni and R Andromeda.	
"	101.	" " ζ Cetí.	
"	127	" " o "	
"	154.	Light of ε Orionis. Phot. R.	.^
"	212-3.	" " ζ " " " .	.^
31	12.	Spectrum and color of R Andromeda.	
"	17-18	Light of σ Orionis. Phot. H.	.^
"	18-19.	" " ζ " Polar. Phot.	.^
"	32-3.	" " Ll. 10527-9. " "	.^
"	36	" " Σ 405. " " .	.^
"	49.-50.	" " 38 Gem. and K Gem. Polar. Phot.	.^
"	73-7.	" " π Aristis and several other doubles. Polar. Phot.	.^
"	82-6.	Occultation of Jup. II.	
"	86-7.	Light of a double star. Phot. H.	.^
"	122-4.	Occultation of Jup. I.	
"	203-7.	Occultation " " "	
32	16-22	" of star near Jup.	
"	23-5.	38 Gem. and K Gem. (Phot. H.)	.^
"	26-32.	17 and ζ Cancri, K Gem. Σ 2 &c. with Polar photometer.	.^
"	40	K Gem. with photometer H.	.^
"	42	Colors of several stars.	
"	64-5.	Light of M. P. 2182-3. Polar. phot. Pub.	^
"	69.	" " " 2234-5. " " . Pub.	^

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Measts. of light of stars, planets &c – also spectra con.

Book.	Page.		
32	70-4.	Light of several H.P. stars. Phot. H. [Pub.]	
"	74	~~Color of H.P. 33v7-2.~~	
"	84-6.	Light of several H.P. stars with Photometer. H.	Pub.
"	90	44 Cancri. Phot. H.	
"	93	" " " "	
"	213	Color and Spectrum of α Cygni.	
33	26	Star near τ Sagittarii. Color and spectrum.	
"	94-9.	+68°16 4v and 16k6 compared with Photometer R.	
"	206.	Color of α Aurigae.	
"	208	Light of U.A. 3k. Phot. H.	
"	209-210.	" " " 490, 496, v14, 3k. Polar. phot.	
"	21v	" " " 490 &c. Phot. H.	
34	4	" " " 490 &c. " "	
"	6	" " " 142 with Phot. H.	
"	10	" " " 142 " " "	
"	23.-4,-v.	" " several stars with Lodge.	
"	24-v.	" " " " &c. " " "	
"	64	" " obs. 239. Phot. H.	
3v	30	Spectrum of U Gem.	
"	123-4	Expts with Spectrum Photometer.	
"	132	Spectrum Photometer.	
"	166-8.	Expts with ~~Spectrum Photometer~~. Toothed Spectroscope.	
"	182-3.	Spectrum Photometer.	
"	191	Toothed Spectroscope.	
"	192-3.	α Gem. &c. with Direct Vis. Spectroscope.	
"	194-5.	α Gem. &c. with direct vis. spec.	
"	196-206.	Stars with Spectrum Photometer.	
"	214	Spectrum of U Gem.	
"	215-6.	~~Spectrum Photometer~~. Toothed Spectroscope.	
36	1-v	Toothed Spectroscope.	
"	12-25	" "	

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Measts of light of stars, planets &c. – also spectra com.

Book.	Page.	
36	32–9.	Toothed Spectroscope.
"	42	Spectra of Stars.
"	42–5.	Toothed Spectroscope.
"	65–74.	Spectrum Photometer.
"	75–86.	Toothed Spectroscope.
"	91–94.	" "
"	95–103	Spectrum Photometer.
"	109–118	" "
"	128–153.	Toothed Spectroscope.
"	156–165.	Spectrum Photometer.
"	168–177.	" "
"	213–8	" "
37	17–36.	" "
"	85–103.	" "
"	113–7.	" "
"	121–5.	" "
"	140–1.	Toothed Spectroscope.
"	147–150.	" "
"	161–6.	" "
"	195–7.	Spectrum Photometer.
"	202–6.	Toothed Spectroscope.
38	7–10	Stars fol. γ Serpentis with wedge.
"	12–3.	" " ζ Aquilae &c. " "
"	20–29.	" " γ Pegasi &c. " " and Phot. S.
"	40–56.	" " δ Aquilae &c. with Phot. S.
"	58–61.	" " θ Ceti &c. " " " and wedge.
"	62–6.	Spectrum Photometer.
"	67–9.	Stars fol. γ Pegasi. with Phot. S. and wedge.
"	69–75.	Spectrum Photometer.
"	76	Stars fol. γ Eridani.

(Con. on p. 30.)

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj.4590

Measts of light of Moon.

Book.	Page.
23	126-9.
"	142-3.
"	145.
"	172-6.
24	49-51.
26	27-32
"	42-45.
"	84-91.
"	93-97.
"	156.-8.
"	163-6.
"	175.-7.
"	178-183.
27	73-78.
"	80-83.
"	85-95.
"	102-6.
"	139-162.
"	181-193.
"	195-196.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj.4590

Measts of light of stars, planets &c. – also spectra (Con. from p. 29)

Book.	Page.	
38	81-7.	Spectrum Photometer.
"	87	Stars fol. θ' Ceti
"	93	" near N.P. 307.
"	94	" fol. ε Pegasi.
"	" -102.	" " θ' Ceti. &c. with Phot. I and wedge.
"	107-117.	Spectrum Photometer.
"	118-121.	" "
"	127-130.	" "
"	136-7.	Stars fol. ε Orionis and ε Leonis.
"	143	" " ε Piscium &c. with wedge.
"	145	" " γ Eridani " "
"	157-161.	" " γ Pegasi &c. with Phot. I.
"	164-7	" " ε Piscium &c. " " "
"	173-8.	" " ε Ceti &c. " " "
"	179-184.	Spectrum Photometer.
"	185	Toothed Spectroscope.
"	186-193.	Spectrum Photometer.
"	196-201.	Stars fol. γ Geminorum &c. Phot. I.
~~"~~	~~208~~	~~Sun. + + K° 4 8 A. V. 2~~
"	209-213.	Spectrum Photometer.
39	1	Stars fol. ε Tauri with wedge.
"	4-12.	" " ε Orionis &c. " " and Phot. I.
"	17-20.	" " γ Eridani &c. " " " " "
"	38	" " ε Tauri with wedge.
"	43-5.	" " ε Leonis " Phot. I.
"	46-52.	Spectrum Photometer.
"	53-5.	Stars fol. ε Orionis with Phot. I.
"	59-60.	" " ε Hydrae " " "
"	64-5.	" " ε Leonis " " "
"	78-87.	" " ε Tauri &c. " " "

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Measts of light of stars, planets &c. — also spectra. con.

Book.	Page.	
39	88–9.	Spectrum Photometer.
"	94	Stars fol. & Orionis with wedge.
"	97	" " & Can. Venis. " "
"	98–100.	Spectrum Photometer.
"	111	Stars fol. & Leonis with wedge.
"	112	" " & Virginis. " Phot. S.
"	119–122.	Palisáo stars with Phot. S.
"	125–6.	" " " " "
"	127–130.	Stars fol. & Leonis &c. " "
"	131	Spectrum Photometer.
"	132–9.	Stars fol. & Virginis &c. " " and wedge.
"	144–7.	Spectrum Photometer.
"	155	Stars fol. & Hydrae &c. with wedge.
"	157–162.	" " " γ Leon. &c. with Phot. S.
"	166–177.	" " " θ Leonis &c. " wedge. and Phot. S.
"	191–201.	" " " δ Oph. &c. " " " " "
"	206	" " " ζ Oph. &c. " Phot. S. " wedge.
40	10–15.	" near R Sagittae &c. with wedge.
"	22–5.	" fol. δ Aquilae &c. with Phot. S.
"	37–8.	" near Pole. Phot. S.
"	44	" " R Scuti with wedge.
"	48	" " γ Oph. " "
"	60–7.	" " R Serpentis &c with wedge.
"	69–70.	" " Pole. Phot. S.
"	75–8.	" " " " "
"	79–86.	" " S Coronae &c. with wedge.
"	87	Stars in Stab. of Androm.
"	92–4.	Light of new Star in Stab. of Androm. & neighb. stars. (with wedge.)
"	100–1.	" " " " " " " " " — also spectrum. (with wedge)
"	109–118.	" " " " " " " " " " " " " "
"	118–123	" " " " " " " " (several series) " "

(con. on p. 50)

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj.4590

Measts. of Light and Diameter of Comets. — also spectrum.

Book.	Page.					
19	70.	Comet near Cor. Bor.				S. Tr. P. Tr.
24	17-20	Comet b. 18H.			(light)	P. Tr.
"	22-23	"	"	"	"	P.
"	25-29	"	"	"	"	Tr. S.
"	31-33	"	"	"	"	S.
"	37-38	"	"	"	"	Tr.
"	41	"	"	"	Elong. of nucleus.	
"	56-58	"	"	"	light.	Phot. H. with 4 mag. star. S. P.
"	66-67	"	"	"	"	Tr.
"	79-80	"	"	"	"	Tr.
"	83	"	"	"	"	S.
~~"~~	~~86-89~~	~~"~~	~~"~~	~~"~~	~~"~~	
"	92-93	"	"	"	"	Tr.
"	96-101	"	"	"	"	S. Phot. H. and star.
"	98-101	"	"	"	"	Tr. S.
~~"~~	~~104~~	~~"~~	~~"~~	~~"~~	~~"~~	
"	107-9	"	"	"	Disturbance in comet.	
"	117-119	"	"	"	light. P. Tr.	
"	121	"	"	"	No " " "	
"	123	"	"	"	" " " "	" — P.
"	124	"	"	"	"	
"	136-9	"	"	"	"	S.
"	179-181	"	"	"	"	Tr. S. P.
"	185-6.	"	"	"	"	Tr. P.
"	191-2	"	"	"	"	P. S.
25	69.	"	"	"	"	Tr. P.
"	109	"	"	"	"	Tr. S.
~~"~~	~~146~~	~~"~~	~~"~~	~~"~~	~~"~~	Rej. Not comp. star given.
"	149	"	"	"	"	P. S. Tr.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Measts. of Light and Diameter of Comets, - also Spectrum

Book	Page.	
~~24~~ 25	~~22~~ 22	~~Comet c 1881. Light~~
24	120-2.	Comet c 1881. Light.
"	104	
"	134-5.	Diam. of nucleus &c. of Comet c 1881.
"	143.	Light. " " " "
33	93	Light of Comet Pons-Brooks with Phot. Q.
"	96.-7.	" " " " " " " "
"	109	Spectrum " " " "
"	116.	" " " " "
"	121-2.	Light " " " " " " " " -also spectrum.
"	125	Spectrum " " " "
"	129	" " " " "
"	140	" " " " "
"	142	" " " " "
"	153.	" " " " "
"	216.	" " " " "
34	13	" " " " "
"	148	" " " " "
"	156	" " " " "
"		
19	66.	" and light of Comet near Cor. Bor.
"	70	" " " " " " " "

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Light of Sats. of Mars.

Book.	Page.
26	61
"	70.
"	74.-v.
"	81 - 3.
"	87
"	91
"	104.-v.
"	109.
"	113.
"	127 - 9.
"	139.
"	144-v
"	162.
"	174.
27	2-3.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Con. from p. 11.

Variables and ~~Comp. Stars.~~ (estimates.)

Book.	Page.		
31	12. 9.	Est. of R Androm. Plans also.	✓
"	32.	Rel. " " components. W Tauri	✓
"	38	Est. of R Gem.	✓
"	45.	" " Var. in Puppis.	✓
"	51.	" " S Gem.	✓
"	63.	" " " " & T Gem.	✓
"	113	S. V. +31° 1K Est.	✓
"	143.	Est. of S Gem. and R Gem.	✓
"	144. 148	S Aurigae. R Gem? stars identified	✓ ✓
"	157	S Gem.	✓
"	162	" "	✓
"	165.	U Gem.	✓
"	177.	S Gem.	✓
"	190.	U Gem.	✓
"	192-3.	S Gem., R Gem., and S. V. near.	✓
"	199 200	Region of U Gem. R Persei	✓ ✓
"	201.	U Leonis and T Geminorum.	✓
"	202.	S and U Gem. - also T Virginis.	✓
32	10-13.	V Leonis, T Leonis, 43 a U Puppis, and S Aurigae.	✓
"	24	S. V. + 61 Gem.	✓
"	25.	S Gem. and U Gem.	✓
"	40 41	S and U Gem. Plans of stars near T Leon.	✓ ✓
"	42-3.	T Leonis and T Virginis.	✓
"	49	V Gem.	✓
"	50-1.	V Scorpii and S Gem.	✓
"	56-7.	U. S. and T Gem. - also V Scorpii.	✓
"	58	U Gem.	✓
"	62-3.	" "	✓
"	68	U and S Gem.	✓
"	71	U Gem.	✓

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Variables and Comp. Stars, Eot.

Book.	Page.	
32	77.	U Gem.
"	82-3.	" "
"	88-90.	" " and other Variables. 32,99. R. Cygni
"	101 104	X Cygni; Places of stars.
" 110	112	V Leonis and T Virginis. Places for R Com. Ber.
" 113-115.		" S " " " ; Places for U Gem.
" 141	134-138 146	S Coronae; Places; serpentis; S Ursae.
"	147 148; 149	X Cygni; S Librae; R Serp. Places
"	150	R Ophiuchi. S Serp.; T Serp. R Ursae.
"	154 155	R Librae
"	156-174.	R Librae, R. Coronae, R Oph. T Bootis, S and T Oph. Nov. 16
"	176	S Oph.
" 187	189	V Oph.
" 193	195.	R Lacertae.
"	198.-200	R Scorpii.
"	202-3.	S. V. near S Oph., V Scorpii.
"	207	Y Virginis.
"	210.	S "
"	213. 6	S Cygni.
"	218 1, 12, 22	" " Places
33	24	S and T Sagittarii.
"	25-6.	S. V. near S Oph. and R Coronae.
"	28 1-2	S. V. " " " R Delph.
"	123	" " " "
"	124 134, 143	T Pegasi, R Peg. and R Lacertae. Comp. Stars
"	144	R Persei.
"	147	S. V. near S Oph.
"	153.	" " " "
"	155. 180	R Arietis. T Arist: Places
"	183.	U Gem.
"	187-8. 191	T Pegasi and R Pegasi.
"	206	S Aurigae and U Gem.
"	211-2.	S Cassiop, R Arietis &c.

Nov. 18

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Variables and Comp. Stars. Est.

Book.	Page.			
34	3	U Gem.	✓	
"	8	91c Tr. Herculis.	✓	
"	9-10.	3v R Lyncis.	✓	
"	11	R Vulpec.	✓	
"	31	R Persei.	✓	
"	39	T Herculis.	✓	
"	40, 110	T Tauri	✓	
"	45	S Pegasi.	✓	
"	48-9.	R Vulpec.	✓	
"	40, 55	S. V. of Vol. VI.	✓	Nov. 19
"	64	" " " " U Puppis; places	✓ ✓	
"	65-6.	R Cetí.	✓	
"	68	" "	✓	
"	75-6.	R Monoc.	✓	
"	81 82	S.V. Vol. VI.	✓	
"	90 85, 88 93, 96	S Cetí &c. S Ag. T Pisc. etc.; W Virg. Ag. etc.	✓ ✓	
"	101, 3, 7,	R Persei.	✓ ✓ ✓	
"	121-	S.V. +0° 4843 and 4840.	✓	
"	125	" " " "	✓	
"	131-133, 146, 149, 160, 188-196, 206	U Gem.	✓	
"	210.	S and R Tauri.	✓	
"	211.-2.	V Tauri.	✓	Nov. 26
35	1	R Persei.	✓	
"	3-9.	T Tauri, &c.	✓	
"	23-4.	U, S and T Gem. - also U Cancri.	✓	
"	25, 26, 30	U Gem.	✓	
"	45-7.	U Puppis.	✓	
"	49	U Gem.	✓	
"	53-4.	V, S and T Tauri.	✓	
"	149	U Gem.	✓	
"	153	" "	✓	

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Variables and Comp. Stars. Est.

Book.	Page.		
35	154	U Geminorum.	✓
"	162	" "	✓
"	164 166, 174	" "	✓ ✓
"	182	" "	✓
"	190	" "	✓
"	196	" "	✓
"	214	" "	✓
36	6 131	R Virginis.	✓ ✓ Nov. 28
38	202	2 Ursæ Min. + 4 K° Ks. N. V. (2) Estimate.	✓ ✓
40	10,12,13,14, 44,45,46,67,85-86	Wedge Phot. Obs.	✓
40	87 112 2,100,109-111	New star in Neb. of Andromeda.	✓
113	91 to	" " " " " " "	✓
"	114 to 123	" " " " " " "	✓
124	127	Wedge Phot. Obs.	✓
"	126	R Cygni. " "	✓ ✓
"	129,130,131 136 147 146	T Pegasi etc.	✓
"	152	S Arietis.	✓
"	159-160	χ Cygni, and ν Cygni.	✓ Nov. 29
"	161	Star in Neb. of Andromeda.	✓
"	162-7.	Est. of χ Cygni etc.	✓
"	169	" " T Pegasi	✓
"	172	" " S Arietis.	✓
"	174	New star in Neb. of Andromeda.	✓
"	180	T Piscium.	✓
"	199 216	Star in Neb. of Andromeda.	✓
41	1, 3, 6.	Est. of Gore's New Star.	✓
"	9.10,11,12 13,14,1	" " Nova Coronæ.	✓ ✓
"	15, 23, 26, 30, 34, 41	Neb. of Andr. Wedge Phot.	✓ ✓
40	42	31 Cratoris and 3 Camelopardi, (Variation telegraphed by Sherman but not confirmed)	✓
"	43	Nova Coronæ.	✓
"	47	N. V. 83.	✓
"	49.	T Cygni Nova Coronæ.	✓

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Variables and ~~Comp. Stars~~ Est.

Book	Page.			
41	62, 63 66	R Leporis.		✓
"	64	Gyc's stars, and R Leporis wedge phot. ~~Stars~~		✓
"	117-120.	T Aurigæ.		✓
"	125. to 130.	R Can. Min. &c.	wedge phot	✓
"	143 146, 152	R Orionis.	"	✓
"	154 to 159 162	R Gem. S Can. Min, U Ori.	"	✓
"	167-8. 169	S Can. Min. R Com.	"	✓
"	174-6. 178	V Gem. U Ori.	"	✓
"	193	S Can. Min. R Mon.	"	✓
42	1	U Gem. and U Leonis. S Can. Min.	"	✓
"	23	V Cancri, U Gem. R Com.	"	✓
"	29, 30, 31.	T Cancri, Nova Orionis &c. U Gem.	"	✓
"	33.	R Comæ.	"	✓
"	49-50.	T Librae. Z Virginis, S. Virginis.	"	✓
"	50-69	S Librae.	"	✓ — Nov. 30
"	71	U. Boötis and S Coronae.	"	✓
"	74-87.	~~Several estimates~~ of Variables.	"	✓
"	89-93	T Aquarii.	"	✓
"	99-126.	Several est. of Variables.	"	✓
"	129-138.	" " " "	"	✓
"	143-6.	" " " "	"	✓ — Dec. 2
"	150-8.	" " " "	"	✓
"	163-4	" " " "	"	✓
"	169-191.	Est. of 2 Var. & S Cet. & Pisc.	"	✓
"	195-212.	" " several variables.	"	✓
"	213.	" " " "	"	✓ — Dec. 5
"	214-7.	" " Nova Orionis.	"	✓
43	1-2	" " several variables.	"	✓
		" " two "	"	✓

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

~~Variables and Comp. Stars. (Cont.)~~

Book.	Page.			
43	6-14.	Est. of several var.	wedge phot.	✓
"	26-31.	" " " "	"	✓
"	34-6.	" " " "	"	✓
"	39-~~40~~.	" " Z Gem.	"	✓
"	~~45~~, 46?	" " S. "	Z Gem. (haze) "	✓
"	58	" " Y "	"	✓
~~"~~	~~61~~ 61	~~" " U Puppis.~~	"	✓
"	65-6.	" " 2 Var.	"	✓
"	72-5.	" " several var.	"	✓
"	102-3	" " Var.	"	✓
"	107/108	" " U Gem.	"	✓
"	H1 112	" " " "	"	✓
~~"~~	~~114 var.~~	~~" " " "~~	clouds interrupt "	✓
"	119 120	" " " "	"	✓ — Dec. 7
"	132-140.	" " several var.	"	✓
"	144-9.	" " " "	"	✓
"	153-8.	" " " "	"	✓
"	163-172	" " " "	"	✓
"	177-181.	" " " "	"	✓
"	186-7	" " Var.	"	✓
"	190-8.	" " "	"	✓
"	203.	" " S Librae.	"	✓
"	208-216.	" " several var.	"	✓
44	1	" " R Leonis.	"	✓
"	5	" " Y "	"	✓
"	9	" " " "	"	✓
"	14	" " R Coronae.	"	✓
"	18-20.	" " Var.	"	✓
"	28	" " "	"	✓
"	35	" " U Librae.	"	✓

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Variables, Est.

Book.	Pge.			
KK	100.	R Librae.	new wedge	✓
"	105.	" "	"	✓
"	105-109.	Est. of Var.	"	✓
"	129-134.	" " "	"	✓
"	142 1K3.	" " +62° 96.	"	✓
"	149.	" " " "	"	✓
"	159-161 166-175.	" " Var. SCeph	"	✓ ✓
"	178-9.	" " "	"	✓
"	183-5.	" " "	"	✓
"	191-2.	" " "	"	✓
"	197	" " "	"	✓
"	201-5	" " "	"	✓
"	211 216	" " R Hrs. nus.	"	✓
KK	1-7	" " Var.	"	✓
"	14 1K	" " "	"	✓
"	47 K3	" " "	"	✓
"	50	" " S.D. -K° 269.	"	✓
"	55 69, 74, 81, 82	S Cetti " " "	"	✓
KJ	139.	" " R Scorpii.	"	✓
K6	209	" " SV. -20° 3243.	"	✓
KJ	5	" " " " W Scorpii	"	✓
KJ	112, 119	" " 93-Ophiuchi.	"	✓
"	107-109	" " Y Scorpii.	"	✓
"	129 128-125 133 139	" " Y Scorpii. J, R, S, Scorp	"	✓
"	140	" " S and T Scorpii.	"	✓
"	147-149	" " U Librae.	"	✓
"	152 155-7.	" " Var.	"	✓
"	167. 170.	" " "	"	✓
"	177 178. 185 180	" " "	"	✓
"	195-197. 198	" " "	"	✓
"	200 203.	" " "	"	✓

Dec. 10, 45, 87 R Cass. ✓

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Variables.

Book.	Page.				
Pp	75, 76, 80 to	Ecl. of Var.	new wedge ✓	48, 38	Spectr. Var
"	85.	" " "	" ✓	41	" "
"	135/138	" " "	" ✓	48, 117, 118	new wedge ✓
"	144/145	" " "	" ✓	122, -128	" ✓
"	150	" " "	" ✓		
"	193 to 195, 7.	" " "	" ✓		
491-3.		" " "	" ✓		
"	11-13.	" " "	" ✓		
"	97	" " "	" ✓		
"	162-165.	" " "	" ✓		
"	178, 180. to	" " "	" ✓		
"	124.	" " "	" ✓		
"	201-203, 207.	" " "	" ✓		
"	210, 213. to	" " "	" ✓		
501, 4.		" " "	" ✓		
"	24-44, 47-49	" " "	" ✓		
"	51-53. 57. 65.	" " "	" ✓		
"	65, 71, 74, 80, &c.	" " "	" ✓		
"	84. 91. 95, 101.	" " "	" ✓		
"	103, 104, 105.	" " "	" ✓		
"	110, 111-115, 152, 159.	" " "	4 places ✓		

Dec. 14

" 162, 163. " " "

" 167, 8, 9, 170. " " "

" 183: 4. 5, 6. " " "

" 191, 2 " " "

" 194, 5, -202. " " "

" 211. " " "

501 8, 9, 10-16. " " "

" 29 " " "

" 44-6. " " "

" 50-1. " " "

" 55-62. " " "

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Variables.

Book.	Page.	
V1	6V	Est. of Var.
"	79	" " "
"	101	" " "
"	103 – 111.	" " "
"	117	" " "
"	120	" " "
"	121	" " "
"	133	" " "
"	140 – 2.	" " "
"	148 – 150.	" " "
"	155 – 160.	" " "
"	161, 2, 9.	" " "
"	172 – 4.	" " "
"	180 – 3.	" " "
"	184 – V.	" " "
"	194	" " " in Cluster.
"	195 – 9.	" " "
"	204	" " "
V2	1 – V.	" " "
"	10 – 15.	" " "
"	20	" " "
"	35	" " "
"	43 – 6.	" " "
"	V0 – V.	" " "
"	75, 86, 92.	" " "
"	94. – 6.	" " "
"	99 – 102.	" " "
"	105 – 7.	" " "
"	113	" " "
"	117	" " "

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Variables.

Book.	Page. No.-2.	Est. of Var.
"	154	" " "
"	157-160.	" " "
"	169, 172.	" " "
"	182	" " "
"	184-199.	" " "
"	205, 211, 212.	" " "
"	217, 8, 9,	" " "
"	1, 6, 17, 21-2,	" " "
"	24, 25, 28,	" " "
"	32, 35, 41, 42,	" " "
"	44, 54.	" " "
"	77.	" " "
"	83-5.	" " "
"	90-1.	" " "
"	99-102, 109-110.	" " "
"	116-8.	" " "
"	122-130,	" " "
"	155-7.	" " "
"	162.	" " "
"	172-5. 179-181.	" " "
"	185-8,	" " "
"	192-5,	" " "
"	200-2.	" " "
54	8-11.	" " "
"	16-8.	" " "
"	22-6.	" " "
"	33-4.	" " "
"	37	" " "
"	42-3,	" " "

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj.4590

Variables.

Book.	Page.	Est. of Var.
V	73-77.	Est. of Var.
"	80-82.	" " "
"	84-5.	" " "
"	92-4.	" " "
"	104	" " "
"	132-140.	" " "
"	142	" " "
"	147	" " "
"	161, 2.	" " "
"	166 - 170	" " "
"	180 -2.	" " "
"	192	" " "
V	7 - 12.	" " "
"	14-18.	" " "
"	20 - 1.	" " "
"	38 - 44.	" " "
"	51 - 3.	" " "
"	59	" " "
"	69 - 73.	" " "
"	75 - 9.	" " "
"	84, 87	" " "
"	91, 92.	" " "
"	100 - 104.	" " "
"	106 - 9.	" " "
"	118.	" " "
"	122, 3.	" " "
"	133.	" " "
"	141.	" " "
"	142 - 4.	" " "
"	152 - 6.	" " "

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Variables.

Book.	Page.	Est. of Var.
vv	164-v.	" " "
"	177	" " "
"	183, 185.	" " "
"	204-6.	" " "
v6	8-9.	" " "
"	12-13.	" " "
"	19-20.	" " "
"	21-32.	" " "
"	44-8.	" " "
"	84	" " "
"	123-135.	" " "
"	136-7.	" " "
"	140-2.	" " "
"	144-6.	" " "
"	151-2.	" " "
"	154-7.	" " "
"	160-170.	" " "
"	176-184.	" " "
"	192-5.	" " "
"	199	" " "
"	203, -4.	" " "
"	210	" " "

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj.4590

Con. from p. 31.

Measts of light of stars, planets &c. – also spectra, con.

Book.	Page.	
40	124-9.	Light of Variables + Comp. Stars with wedge.
"	130-1.	" " star in Neb. of Androm. " "
"	136-7.	" " " " " " " " "
"	138-154.	" " Variables + Comp. Stars " "
"	157-160.	" " " " " " " "
"	161	" " Star in Neb. of Androm. " "
"	162-7.	" " Variables and Comp. Stars " "
"	168-172.	" " " " " " " "
"	180	" " " " " " " "
41	1-	" and spectrum of Gore's 4th Star. (= Nova Orionis.)
"	5	" " Spectrum " " " "
"	6	" " " and comp. stars " "
"	14	Light of Nova Orionis with wedge.
"	26	" " " " " " "
"	30	" " " " " " " " comp. stars for "
"	34-5.	" " " " " " " "
"	40-1.	" " " " " " " "
"	49	" " " " " " " "
"	50-1.	Spectrum of +43° 1555.
"	62	Light of Comp. Stars for R Leporis. with wedge.
"	66	" " " " " " " – also spectrum of R. with wedge.
"	68	" " " " " T Tauri " "
"	70-1.	" " Stars in Pleiades with Pritchard's Wedge Photometer.
"	73	" " comp. star for Nova Androm. " " " "
"	73-4.	" " Stars in Pleiades " " " "
"	116-120.	" " Comp. Stars for R Monoc. &c. with wedge.
"	125	" " " " " R Orionis " "
"	126-7	" " " " " R Gem. " "
"	128-130.	" " " " " R Orionis &c. " "
"	132	" " " " " R Can. Min &c. " "
"	133	" " Stars in Pleiades with Pritchard's Wedge.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj.:4590

Measets of light of stars, planets &c. — also spectra, con.

Book.	Page.	
41	138	Light of Comp. Stars for S Can. Min., with wedge.
"	139	" " " Stars in Pleiades with Pritchard Wedge.
"	141	Nova Orionis and comp. stars with wedge.
"	143	Light of Comp. Stars for R Can. Min., with wedge.
"	146	" " " V Gem. " "
"	152	Nova Orionis & comp. stars, "
"	154	Comp. Stars for R Monoc. ~~&c.~~, and S Can. Min. with wedge.
"	158	Comp. Stars for U Cancri, with wedge.
"	162-3.	" " " T Can. Min., " "
"	166-9.	" " " R Corvi &c. " "
"	174-6.	" " " T Cancri &c. " "
"	177-9.	" " " " " & U Gem. " "
"	193	" " " R Corvi " "
42	1	" " " R Virginis " "
"	23	" " " R Comae " "
"	29-31.	" " " T Librae &c. " "
"	33	" " " S Librae " "
"	49-50.	" " " U Bootis & S Cor. " "
"	50-69.	" " " Variables " "
"	70	Stars fol. γ Pegasi with Phot. R. (Lum. of Vis.)
"	71	Comp. Stars for T Aquarii, with wedge.
"	72	Stars fol. γ Pegasi. Phot. R. (Lum. of Vis.)
"	73-4.	Spectrum &c. of S Cygni.
"	74-87.	Light of Comp. Stars for Var. with wedge.
"	88	Stars fol γ Pegasi. Phot. R. (Lum. of Vis.)
"	89-93.	Comp. Stars for Var. with wedge.
"	99-126.	" " " " " "
"	129-138.	" " " " " "
"	143-6.	" " " " " "
"	150-8.	" " " " " "

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj.4590

Measts of light of stars, planets &c. – also spectra.

Book.	Page.	
42	163-4.	Comp. Stars for Var. with wedge.
"	169-191.	" " " " " "
"	195-212.	" " " " " "
"	213.	" " " Nova Cygni " "
"	214-7	" " " Var. with wedge.
43	1-2	" " " " " "
"	6-10.	" " " " " "
"	26-31.	" " " " " "
"	34-6.	" " " " " "
"	39-40.	" " " Z " " "
"	45-6.	" " " Z " " "
"	50	" " " T Gem. " "
"	61	" " " U Pyxidis " "
"	65-6.	" " " Var. " "
"	72-5.	" " " Var. " "
"	102-3.	" " " " " "
"	107-8	" " " " " "
"	111-2.	" " " U Gem. " "
"	114-5.	" " " " " "
"	119-120.	" " " " " "
"	132-140.	" " " several Var. " "
"	144-9.	" " " " " "
"	153-8.	" " " " " "
"	163-172.	" " " " " "
"	177-181.	" " " " " "
"	186-7.	" " " " " "
"	190-8.	" " " " " "
"	203-	" " " S. Librae " "
"	208-216.	" " " Var. " "
44	1	" " " R Leonis " "

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj.4590

Measts of light of stars, planets &c. — also. Spectrum.

Book.	Page.	
44	5	Comp. Stars for V Leonis with wedge.
"	9	" " " " " " "
"	14.	" " " R Cratoris " "
"	18-20	" " " Var. " "
"	28	" " " " " "
"	35.	" " " U Librae " "
"	100-1	" " " R " " New Wedge.
"	105-109.	" " " Var. " " "
"	110.	Stars fol. η Serpentis " " "
"	116-121	" " Standards " " "
"	122-8	" near Pole. " " "
"	129-134.	Comp. Stars for Var. " " "
"	134-8.	Stars near Pole + Comp. Stars " " "
"	142-3	Near Var. A +62°596 " " "
"	143-7.	Stars near Pole. " " "
"	148-9.	+62°596 and Comp. Stars " " "
"	149-150.	Stars near Pole " " "
"	151-3.	Comp. Stars for S Cephei " " "
"	154-5	Stars fol. γ Pegasi " " "
"	159-161.	Comp. stars for. S Cephei " " "
"	161-5.	Stars fol. γ Pegasi. " " "
"	166-174	Comp. Stars for Var. " " "
"	178-9	" " " " " " "
"	181-2.	Stars fol. γ Pegasi " " "
"	183-5.	Comp. Stars for Var. " " "
"	189-191.	Stars fol. γ Pegasi " " "
"	191-2	Comp. Stars for Var. " " "
"	197	" " " " " " "
"	201-5.	" " " " " " "
"	214-6.	" " " R Urs. min. " " "
45	1-7.	" " " Var. " " "

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj.4590

Measts of light of stars, planets &c. – also spectra.

Book.	Page.	
45	14–16.	Comp. Stars for R Draconis with new wedge.
"	42–3.	" " " ζ Cetí " " "
"	66–7.	Stars fol. ε Orionis " " "
"	69–70.	Comp. stars for ζ Cetí. " " "
"	70–1.	" fol. ε Orionis " " "
"	76–7.	" " " " " " "
"	81–2.	Comp. stars for ζ Cetí " " "
"	87	" " " R Cassiop. " " "
46	62–3	Light of stars in Pleiades " " "
"	70–1.	" " " " " " " "
"	82	" " " " " " " "
"	90–1.	" " " " " " " "
"	102–9.	" " " " " " " "
"	117–8.	" " " " " " " "
"	173–4.	" " " " " " " "
"	179–180.	" " ζ V. -20° 32 + 3 + Comp. St. " " "
"	184–5.	" " " " " " " "
"	209	" " " " " " " "
47	5	" " " " " " " "
"	107–113.	Comp. Stars for 93-Oph. + ζ Scorpii " " "
"	116–120.	" " " Var. " " "
"	126–8.	" " " " " " "
"	133–5.	" " " " " " "
46	140	Color and Spectrum of ζ V. -20° 32 + 3
47	147–	Comp. Stars for U Librae with new wedge.
"	152–7.	" " " Var. " " "
"	167–170.	" " " " " " "
"	177–8.	" " " " " " "
"	185–6.	" " " " " " "
"	195–8.	" " " " " " "

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Measts of light of stars, planets &c. – also spectra.

Book.	Case.	
K7	200–3.	Comps. Stars for "Scorpii" with new Hedge.
"	207–8.	" " " Var. " " "
K8	31	" " " " No. 93. " " "
"	36	Spectrum of Peters new Var.
"	41	" " " " "
"	72–86.	Comps. Stars for Var. " " "
"	113–4.	" " " " " " "
"	117–8.	" " " " " " "
"	122–8.	" " " " " " "
"	136–8.	" " " " " " "
"	144–7.	" " " " " " "
"	150–1.	" " " " " " "
"	193–7.	" " " " " " "
"	211–2.	" " " " " " "
"	1–2.	" " " " " " "
"	11–13.	" " " " " " "
K9	97–9.	" " " " " " "
"	162–5	" " " " " " "
"	171–188.	" " " " " " "
"	141–5.	" " " " " " "
"	201–214.	" " " " " " "
50	1–4	" " " " " " "
"	41–5.	" " " " " " "
"	47–57.	" " " " " " "
"	59–65.	" " " " " " "
"	68–74.	" " " " " " "
"	77–84.	" " " " " " "
"	90–95.	" " " " " " "
"	98–105.	" " " " " " "
"	107–114.	" " " " " " "

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj.4590

Measts of light of stars, planets &c. – also spectra.

Book.	Page.	
~~50~~	~~44+45.~~	
"	166-170.	Comp. Stars for Var. with new wedge.
"	208-210.	Stars fol. & Priors. with new wedge.
51	94	Spectrum of Dra. + 43° 3571.
52	126	Color of Peters Star Var.
53	39	Spectrum of +41° 4004.
56	143-44.	Comp. Stars for S.V. +62° 96. with new wedge.
58	8-11	Effects. with Phots. H+R.
"	70-71	" " Auxiliary Lines A, B, + C.
"	150.	Spectrum of D.M. -10° 5057
61	51,54,	Meas. of light of Nova. Phot. R. 1 1
"	63,72.	" " " " " " " 1 1
"	80-82	" " " " " " " 1 1
"	84-85	" " " " " " " 1 1
"	87-88	" " " " " " " 1 1
"	89-90	" " " " " " " 1 1
"	93-94	" " " " " " " 1 1
"	96-97	" " " " " " " 1 1
"	100-101	" " " " " " " 1 1
"	105-106	" " " " Copeland's Nova Phot. R. 1 1
"	110-111	" " " " " " " 1 1
"	120-121	" " " " " " " 1 1
"	122-130	" " " " Nova. " " 1 1
"	132+133	" " " " Copeland's " " " 1 1
"	144-145	" " " " " " " 1 1
"	149-150	" " " " Nova. " " 1 1
"	153-154	" " " " Copeland's " " " 1 1
"	156-160	" " " " " " " 1 1
"	161-167	" " " " Nova " " 1 1
"	169-170	" " " " Copeland's " " 1 1

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Measts. of light of stars, planets &c. - also spectra.

Book	Page	
61	170	Comp. of star s with star m Phot. R.
"	171	" " " " " " 5. " H.
"	172-173	Meas. of light of Nova. Phot. R.
"	174-175	" " " " Copeland's Nova. Phot. R.
"	175-176	" " s & m Phot. R.
"	176-177	" " light of Copeland's Nova. Phot. R.
"	182-183	" " " " " " " "
"	184-185	" " " " " " " "
"	187-188	" " " " " " " "
"	193.	" " " " " " " "
"	195-196	" " " " " " " "
"	199-200	" " " " " " " "
"	201-202	" " " " " " " "
62.	20.	Comp. of stars s & m (Nova) Phot. R.
"	26.	" " " " " " " "
"	27.	" " " s & j " "
"	34	" " " s & m " "
"	38	" " " s & j " "
"	39-40	" " " s & m " "
"	44	" " " s & j " "
"	167-168	Meas. of light of Nova. Phot. R.
"	182-183	" " " " " " (prob.)
"	189-190	" " " " " " "
"	197-198	" " " " " " "
"	206-207	" " " " " " "
63	21	Spectrum of S.D. -21°4867
"	56-57	Meas. of light of Nova. Phot. R. (prob.)
"	60-61.	" " " " " "
"	85-101	Photometric meas. of ~~two ft. x's meas S Pavonis~~ Comp. Nova for. var. vc. Polar. phot.
"	119-120.	Meas. of light of Nova. Polar phot.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Measts. of light of stars, planets etc. - also spectra.

Book	Pages	
63	121-124	Photometric measts. of Comp. stars for T. Cephei. Polar phot.
"	160-161.	Measts. of comps of S Cephei. Phot. R.
64.	112-113.	Measts. of Light of Nova. Polar phot.
"	143-1444.	" " " " " " "
"	146-147	" " " " " Phot. R.
"	149-150	" " Jupiter I + II with Phot R
"	152-153	" " Light of Nova. Polar phot.
"	154-155	" " Jupiter I + II. Phot. R.
"	161-162	" " " " " " "
"	172-173	" " " " " " "
"	176-177	" " Light of Nova. " "
"	182-184	" " " " " " "
"	192-193	" " Jupiter I + II. " "
"	200-201	" " Light of Nova. " "
"	205-206	" " 1 bright double star 14 Camelopardi. " "
"	208-215	" " 7 bright double stars " "
65	1-9	" " " " " " " "
"	10-20	" " 10 " " " " "
"	22-27	" " 4 " " " " "
"	35-36.	" " Light of Nova. " "
"	42-46.	" " 3 bright double stars. " "
"	47-55.	" " 9 " " " " "
"	57-67.	" " 6 " " " " "
"	73-78.	" " 4 " " " " I + H.
"	83-84	" " 1 " " star. " "
"	87-89.	" " " " " " "
"	91-92	" " " " " " "
"	97-100	" " 2. " " stars " "
"	100-108	" " 4. " " " "
"	110-113	" " 2 " " " "

Continued on p. 120.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Wedge Photometer Zones.

Book.	Page.	
38	30 ✓	Trial of Wedge Series 1.
"	31	" 2.
"	32	" 3.
"	35	" 4.
"	36	" 5.
"	37	" 6.
"	38	" 7.
"	61	" 8.
"	80	" 9. and 10.
"	81	" 11
"	91	" 12
"	92	" 13-14.
"	102	" 15.
"	103	" 16.
"	104	" 17-8.
"	117	" 19
"	122	" 20.
"	123	" 21, -2.
"	124	" 23
"	125	" 24
"	131.	" 25-6.
"	135	" 27 Zone discontinued.
"	151	" 28
"	181	" 29.
"	186	" 30.-1.
"	208	" 32.-3.
"	209	" 34
39	10	" 35.
"	20.	" 36.
"	22.	" 37.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Hodge Photometer Zones.

Book.	Page.	
39	2K	Series 3A.
"	2A	" 39.
"	33	" K0.
"	3K	" K1.
"	3A	" K2.
"	39	" K3.
"	K6	" KK.
"	9K	" KV.
"	96	" K6 and K7.
"	1K3	" KA.
"	1KA	" K9.
"	1K9.	" V0.
"	"	" V1.
"	1V0.	" V2.
"	1V1.	" V3.
"	1V6.	" VK.
"	1A2.	" VV.
"	1A9.	" V6. and 7.
"	190.	" VA
40	1.	" V9.
"	6.	" 60.
KK	206-A.	" 1 with new Hodge.
"	209-210.	" 2 " " "
"	211-K.	" 3 " " "
KV	A-10.	" K " " "
"	12-13.	" V " " "
"	17-1A.	" 6 " " "
"	3K-36.	" 7 " " "
"	36-K1.	" A " " "
"	K3-9.	" 9 " " "

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Hodge Photometer Tours.

Book.	Page.				
45	52-4.	Series II with new Hodge.			
"	207-9.	" 12	"	"	"
"	216-A.	" 13	"	"	"
46	6-9.	" 14	"	"	"
"	10-13	" 15	"	"	"
"	13-16.	" 16	"	"	"
"	A3-6.	" 17	"	"	"
"	91-3.	" 18	"	"	"
"	99-101.	" 19	"	"	"
"	175-184.	" 20	"	"	"
49	25-33.	" 21	"	"	"
"	36-45.	" 22	"	"	"
"	51-57.	" 23	"	"	"
"	60-3.	" 24	"	"	"
"	66-71.	" 25	"	"	"
"	74-8.	" 26	"	"	"
"	A2-5.	" 27	"	"	"
"	105-9.	" 28	"	"	"
"	110-117.	" 29	"	"	"
"	126-130.	" 30	"	"	"
"	135-9.	" 31	"	"	"
"	140-151.	" 32	"	"	"
"	155-9.	" 33	"	"	"
"	195-7.	" 34	"	"	"
50	9-12.	" 35	"	"	"
"	17-23.	" 36	"	"	"
"	122-8	" 37	"	"	"
"	129-139.	" 38	"	"	"
"	140-6.	" 39	"	"	"
51	21-7.	" 40	"	"	"
"	30-3.	" 41	"	"	"

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Hodge Photometer Tapes.

Book.	Pages		
V1	72-7.	Series K2	with Star Hodge.
"	87-92.	" K3	" " "
"	97-7	" KK	" " "
"	186-7.	" Kv	" " "
"	207-212.	" K6	" " "
V2	116-122.	" K7	" " "
"	126-133.	" K8	" " "
"	135-8.	" K9	" " "
"	141-5.	" V0	" " "
V3	57-62.	" V1	" " "
"	65-71.	" V2	" " "
"	211-6.	" V3	" " "
V4	KK-51.	" V4	" " "
"	52-9.	" VV	" " "
"	60-8.	" V6	" " "
"	98-10K.	" V7	" " "
"	182-190.	" V8	" " "
"	192-200.	" V9	" " "
"	203-210.	" 60	" " "
"	21K-220.	" 61	" " "
V6	K9-57.	" 62	" " "
"	V8-61.	" 63	" " "
"	62-69	" 6K	" " "
"	70-7K.	" 6V	" " "
"	7K-76.	" 66	" " "
"	89-92.	" 67	" " "
"	92-98.	" 68	" " "
"	99-101.	" 69	" " "
"	101-109.	" 70	" " "
"	111-115.	" 71	" " "

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Hedge Photometer Tones.

Book. Page.
v6 116-120 Series 72 with new Hedge.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj.4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj.4590

Meas. of U. Ophiuchi.

Rec. Book	Page							
K28	91-104	U. Ophiuchi	comp	with	star	g	72 × 4 =	288
" "	105	"	"	"	"	"	3 × 4 =	12
" "	108	"	"	"	"	"	3 × 4 =	12
" "	109-111	"	"	"	"	"	6 × 4 =	24
" "	120	"	"	"	"	"	3 × 4 =	12
" "	124-148	"	"	"	"	"	117 × 4 =	468
" "	149-174	"	"	"	"	"	126 × 4 =	504
" "	178-180	"	"	"	"	"	15 × 4 =	60
" "	182-187	"	"	"	"	"	21 × 4 =	84
" "	188-190	"	"	"	"	"	12 × 4 =	48
" "	191-194	"	"	"	"	"	15 × 4 =	60
" "	195-196	"	"	"	"	"	3 × 4 =	12
" "	198-202	"	"	"	"	"	12 × 4 =	48
" "	203-216	"	"	"	"	"	66 × 4 =	264
" 29	3-14	"	"	"	"	"	57 × 4 =	228
" "	18-19	"	"	"	"	"	3 × 4 =	12
" "	23-42	"	"	"	"	"	96 × 4 =	384
" "	54-55	"	"	"	"	"	9 × 4 =	36
" "	80-83	"	"	"	"	"	12 × 4 =	48
" "	121-132	"	"	"	"	"	63 × 4 =	252
								2856

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Meas. of U. Cephei.

Rec. Book	Page						
R. 19	44-63	U Cephei	Comp. with	81° 30			96 × 4 = 384
" "	74-75	"	"	"	"	"	6 × 4 = 24
" 21	174-175	"	"	"	"	"	6 × 4 = 24
" "	178-~~184~~ 179	"	"	"	"	81° 26	9 × 4 = 36
" "	182-203	"	"	"	"		120 × 4 = 480
" 22	22-60	"	"	"	"	81° 26	225 × 4 = 900
" "	69	"	"	"	"	"	3 × 4 = 12
" "	72-75	"	"	"	"	"	18 × 4 = 72
" "	79-89	"	"	"	"	"	57 × 4 = 228
" "	122-130	"	"	"	"	"	48 × 4 = 192
" "	131-134	"	"	"	"	"	15 × 4 = 60
" "	147-168	"	"	"	"		108 × 4 = 432
" "	169-172	"	"	"	"	81° 26	18 × 4 = 72
" "	187-188	"	"	"	"	"	6 × 4 = 24
" 4	198-201	"	"	"	"	"	18 × 4 = 72
" "	202-216	"	"	"	"	"	72 × 4 = 288
" 23	1-18	"	"	"	"	"	84 × 4 = 336
" "	19-24	"	"	"	"	"	24 × 4 = 96
" "	33-36	"	"	"	"	"	18 × 4 = 72
" "	62-65	"	"	"	"	"	18 × 4 = 72
" 69	63-72	"	"	"	"	"	42 × 4 = 168

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj.1590

Meas. of β Persei

R. Book	Pages					
R 19	20	β Persei	Comp. with	π	Persei	3 × 4 = 12
"	21 - 22	"	"	"	"	3 × 4 = 12
"	23	"	"	"	"	3 × 4 = 12
"	24	"	"	"	"	3 × 4 = 12
"	76 - 77	"	"	"		9 × 4 = 36
"	79	"	"	"		3 × 4 = 12
"	80 - 108	"	"	"	ω	Persei 138 × 4 = 552
"	120 - 122	"	"	"	"	" 9 × 4 = 36
"	125 - 126	"	"	"	"	" 6 × 4 = 24
"	128 - 138	"	"	"	"	" 51 × 4 = 204
"	145 - 146	"	"	"	"	" 6 × 4 = 24
"	181 - 184	"	"	"		18 × 4 = 72
"	204 - 210	"	"	"		30 × 4 = 120
"	212 - 216	"	"	"		27 × 4 = 108
R 20	1 - 14	"	"	"		72 × 4 = 288
" "	61 - 62	"	"	"	ω	Persei 8 × 4 = 32
" "	64 - 70	"	"	"	"	" 34 × 4 = 136
" "	75 - 77	"	"	"	"	" 12 × 4 = 48
" "	81 - 103	"	"	"	"	" 99 × 4 = 396
" "	158 - 167	"	"	"		42 × 4 = 168
" "	199 - 201	"	"	"	ω	Persei 9 × 4 = 36
" "	203	"	"	"	"	" 3 × 4 = 12
" "	205 - 208	"	"	"	"	" 15 × 4 = 60
R 21	22 - 39	"	"	"		84 × 4 = 336
						2748

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj.74590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj.4590

Obs. of Asteroids.

Book.	Page.	
45	18 – 33.	Obs. of several Asteroids.
"	56 – 65.	" " " "
"	68 – 4	" " Juno
"	72 – 5	" " Asteroids.
"	78 – 80.	" " "
"	83 – 6.	" " "
"	88	" " Juno.
"	195 – 8	" " Asteroids.
"	205 – 7.	" " "
"	213 – 5	" " "
46	1 – 5.	" " "
"	17 – 18.	" " "
"	35 – 62.	" " "
"	63 – 9.	" " "
"	78 – 81	" " "
"	87 – 90.	" " "
"	95 – 8.	" " "
"	101 – 7.	" " "
"	109 – 111.	" " "
"	116 – 7.	" " "
"	119 – 124.	" " "
"	174 – 9.	" " "
"	182 – 4.	" " "
"	185 – 6.	" " "
"	188 – 190.	" " "
"	195 – 7.	" " "
"	208	" " "
"	210 – 211.	" " "
47	6 – 7.	" " "
48		" " "

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj.-4590

Nos. of Asteroids.

Book.	Page.	
48	125-8.	Nos. of Asteroids.
"	111-2.	" " "
"	115-6.	" " "
"	119-121.	" " "
"	133-5.	" " "
"	152-4.	" " "
"	158-9.	" " "
"	173-4.	" " "
"	184-5.	" " "
"	191-2.	" " "
"	198-200.	" " "
"	201-3.	" " "
"	207-8.	" " "
49	3-5.	" " "
"	14-15.	" " "
"	20-2.	" " "
"	55-6.	" " "
"	57-9.	" " "
"	64-6.	" " "
"	72	" " "
"	80-2.	" " "
"	91-4.	" " "
"	101-3.	" " "
"	123-6.	" " "
"	152-4.	" " "
"	127-8.	" " "
"	191	" " "
"	194	" " "
50	17	" " "
"	27-33.	" " "

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Book.	Page.	No. of Asteroids.
V 0	35 - 8.	No. of Asteroids.
"	47 - 6.	" " "
"	57 - 8	" " "
"	106 - 7.	" " "
"	116 - 121.	" " "
"	146 - 8.	" " "
"	174 - 177.	" " "
"	182 - 3.	" " "
"	184 - 191.	" " "
"	193 - 4.	" " "
"	212 - 3.	" " "
V 1	6 - 7.	" " "
"	36 - 7.	" " "
"	42 - 3.	" " "
"	67	" " "
"	84 - 5.	" " "
"	94 - 5.	" " "
"	113 - 4.	" " "
"	125 - 6	" " "
"	154 - 5.	" " "

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae..proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John C. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj.4590

Settlement of Doubtful Cases with Inter. Circle.

Book.	Page.
K	111–146.
"	193–K.
46	26–35.
"	125–133.
"	141–154.
"	159–166.
"	4A–56.
"	70–7.
"	84–96.
"	100–1.
47	114–116.
"	121–5.
"	130–2.
"	141–6.
"	150–2.
"	158–160.
"	165–6.
"	172–6.
"	193–5.
"	199–200.
"	206–7.
"	211–K.
KA	K2–5A.
"	65–71.
"	87–96.
"	130–3.
"	138–140.
"	155–7.
"	160–172.
53	131–140.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Settlement of Doubtful Cases with Mer. Circle.

Book.	Pages.
√3	143-150.
"	162-9.
"	189.
"	203-210.
√K	104-131.
"	201-2.
"	211-3.
√√	1-3.
"	18-20.
"	36-7.
"	49-51.
"	67-9.
"	74-5.
"	79-84.
"	87-91.
"	96-100.
"	105-6.
"	114-118.
"	120-1.
"	125-6.
"	129-132.
"	138-140.
"	166-7.
"	189-191.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae..proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj.4690

Selection of Standard Comp. Stars near Variables.

Book.	Page.	
50	149.	For δ Cassiop.
"	150.	" δ Persei.
"	157	" δ Cassiop.
"	174	" R Aurigæ.
"	203	" R Lyncis.
"	204-6.	" R Ursæ maj.
"	207	" T Ursæ maj.
"	211	" " " "
"	216-7.	" δ " "
51	19	" δ Boötis.
"	29	" R Ursæ min.
"	34	" δ Boötis.
"	39	" R Ursæ min.
"	64	" R Draconis.
"	70-1.	" δ Cygni.
"	71-2.	" T Cephei.
"	74-81	" δ " and R Cassiop.
"	100-1	" R Draconis.
"	102-3.	" δ Cygni.
"	115-6.	" T Cephei and δ Cephei.
"	127	" T Cassiop.
"	128-9.	" R "
"	160-2.	" δ and T Cephei.
52	170.	" R Aurigæ.
"	181.-2.	" δ Cygni.
"	210-2.	" R Camelop. & T Cephei.
53	193-4.	" δ Cassiop.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj.4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj.4690

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Locations of Faint Comps. Stars near Var.

Book.	Page.	
50	54-6.	near T Cassiop.
"		
"		

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj.4690

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj.4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae..proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Rel. Estimates on Comps. Stars for Var. – also Hodge Means.

Book.	Page.	
V1	130-1	For R Ursæ Maj. (Rel. Est.)
"	132-3	" " " " " "
"	168	" " " " " "
"	20V	" S Cephei. " "
V2	24-28	" " " (" " and Hodge Means)
"	33-V	" " " " " " "
"	107	" R Lyncis. " "
"	116-7	" " " " "
"	123-6.	" Polaris Aver Var. " "
"	134-V.	" " " " " "
"	140-1.	" " " " " "
"	154-V.	" " " " " "
"	177-8.	" " " " " "
"	184-V.	" " " " " "
"	20V-	" R Aurigæ. " "
"	217	" R Canelop. " "
"	218	" T Cephei. " "
"	219.	" R Aurigæ " "
V3	40-1.	" R Cassiop. " "
"	42.	" T " " "
"	44-V.	" S Cephei. " "
"	77	" R Canelop. " "
"	116,117.	" R Lyncis " "
"	194-V.	" S Cassiop. " "
"	202	" " " " "
V4	33.	" " " " "
"	41	" T Ursæ Maj. " "
"	105	" R Ursæ Min. " "
"	142-V.	" R Aurigæ " " " " "
"	151	" R Draconis " "

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Book.	Page.	Rel. Est. on Comp. Stars for Var. — also Hedge measts.
V4	156.	For S Bootis (Rel. Est.
"	157-9.	" R Urs. Min. (" " and Hedge measts.)
"	161	" S Bootis. " "
"	162	" R Urs. Min. " "
"	162-4.	" R Draconis. " "
"	176-8.	" S Cephei. " "
"	179-180.	" R Draconis " "
"	191-2	" " " " "
V5	V6-9.	" R Urs. Maj. " "
"	85,	" S Cygni " "
"	86.	" R Cassiop. " "
"	92.	" S Cygni " "
"	122-3.	" " " " "
"	132-3.	" S Urs. Maj. " "
"	140-1.	" " " " " "
"	160-4.	" T Cephei. " "
"	164-5.	" R Camelop. " "
"	168	" S Urs. Maj. " "
"	176-	" T " " " "
"	182-3.	" " " " " "
"	184	" S Bootis " "
V6	20-1.	" S Persei " "
"	33-4.	" " " " "
"	42-5,	" " " " "
"	45-8.	" R Aurigae " "
"	135-6.	" T Cassiop.
"	148-150.	" S and T Urs. Maj. " "
"	158-9.	" R Urs. Min. " "
"	171	" S Cassiop. " "
"	177.9.	" T Cephei, R Cam. " "

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj.4590

Rel. Est. of Comp. Stars for Var. – also Sledge measts.

Book.	Page.	
V6	192-9	For R Urs. maj. (Rel. Est.)
"	203	" V " " " "
"	208-9.	" V.V. +62° 796 " " and Sledge measts.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj - 4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj.4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Nebulae.

(Light, spectrum and diameter.)

~~Nebs. of Diam. of Nebulae.~~

Book.	Page.		
13	176.	a	Light.
"	212.	a	"
14	1	a	"
"	5-7.		Spectrum.
"	60.		"
"	22.-3.		"
"	93.-5.		"
"	97.		"
"	154.-5.		"
"	159.		"
"	180.		Light.
"	182.		" and spectrum.
"	184.		"
"	195-6.		" " "
"	213		" " "
15	1		"
"	31		"
"	34		"
"	46		"
"	48		"
"	51.		" " "
"	53		" " "
"	57		" " "
"	70		" " "
"	72		
"	79-82		Diam. G.C. 4628
"	92-5.		Diam and Spectrum
"	102-3.		" " "
"	124-7		"
"	129-133.		" " " and light.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Nebulae.

(Light, spectrum and diameter.)

Book.	Page.		
	141-4.	Spectrum, diam., and light.	
	175-6.	"	" "
	177-181.	"	" " "
16	35-7	"	" " "
17	4-5	"	"
	29-30.	"	" "
	35-39.	"	" " "
	41-4.	"	" " "
	45-54.	"	" " "
	59-64.	"	" " "
	71-73.	"	" " "
	88-92.	"	" " "
	94-5	"	" "
	97-8	"	" "
	100.-109.		" Neb. in Orion.
	110	"	
	113-5		" " " "
	127-9	"	" "
	131-4		" " " "
	156-7	"	" "
	164-6	"	" "
	169-170.	"	" "
	173-9.	"	" "
	180-5.		Neb. for constant.
	189-190.		" " "
	191.	"	" "
	195	"	
	198-211.	"	" "

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Nebulae.
Light, Spectrum and Diameter.

Book	Page				
	3 – 11.	Spectrum and light.			
"	19 – 20.	"	"	"	(mem. with Phot. H.)
"	40 – 46	"	"	"	(also diam.)
"	52			"	
"	54	"			
"	64 – 5	"	"	"	
"	67	"	"	"	
"	75 – 7.	"	"	"	
"	101 – 2	"	"	"	
"	108 – 9	"	"	"	
"	112.			"	of Plan. Neb. with Phot. I.
"	145 – 6.			"	" " " " I and K (" ")
"	151 – 3.			"	" " " " I. 2. K " "
"	207 – 211.	"	"	"	
19	8 – 9			"	
"	22 – K.	"	"	"	
"	33 – 5.	"			
"	39.			"	of Dumb Bell Neb.
"	64.	"	"	"	
"	69. – 76.			"	of Plan. Neb. No. 2. with Phot. I.
"	73 – 4	"	"	"	
"	190 – 1.	"	"	"	
20	117.	"			
"	122	"	"		and
"	132	"			of H. C. 6.
"	144.	"			" " 6.
22	64 – 5.	"	"	"	
"	110.			"	Neb. in Orion.
"	182 – 4.			"	" " " "

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Nebulae.
Light. Spectrum and Diameter.

Book.	Pages.		
22	182–191.	Light.	Nebs. in Orion.
"	197–201.	"	" " "
25	64	"	
"	71	"	
"	110.	"	Copeland's Neb.
"	134.	"	" "
27	44	Spectrum.	
"	52	"	
"	109–111.	"	
"	211–216	"	
28	2.	"	
"	6.	"	
29.	1–2		Est. of light of plan. nebs.
30	4.	"	

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Measts. of light of stars, planets etc. - also spectra.

Book	Page			
65	119-126	Measts. of	4	bright double stars. Phot. R.
"	132-142	"	6	" " " " "
"	144-150	"	4	" " " " "
"	156-159.	"	2	" " " " "
"	162-163	"	1	" " " " "
"	171-183	"	6	" " " " "
"	187-191	"	2	" " " " "
"	199-205	"	4	" " " " "
"	208-209.	"		suspected variable D.M. +62°596. Phot. R.
66	2-9.	"	4	bright double stars. Phot R.
"	22-26	"	2	" " " " "
"	30-36	"	4	" " " " "
"	42-48	"	4	" " " " "
"	50-55	"	3	" " " " "
"	60-65	"	3	" " " " "
"	71-75	"	3	" " " " "
"	143-144	"	1	" " " " "
"	156-162	"	4	" " " " "
"	165-168	"	2	" " " " "
"	169-170	Extension of phot. scale (T. Ursae Maj.		Polar. phot.
"	181-182	" " " "	(5' " ")	" " R.
"	185-186	Comp. of ft. stars. Phot. R.		
"	187-188	" " " "		
"	189-191.	" " " "		
"	191-193.	" " " "		
"	193-194	" " " "		
"	201-209.	" " " "		
"	216-218	" " " "		
"	221-222	" " " "		
67	4-5	" " " "		

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Measts. of light of stars, planets, etc. - also spectra.

Book	Page		
64	10-12	Measts. of light of bright double stars. Phot. R.	^
"	21-22	" " " " " " " " " " " "	^
67.	63-70	Extension of photometric scale. Phot. R.	-
"	71-72.	ξ 5-28 χ Tauri. Polar phot.	.^
"	88-95.	Extension of photometric scale. Phot. R.	.
"	102-103	" " " " " "	.
"	107-108	χ Cygni. " "	!
"	110-111	χ Cygni " " " "	.^
"	114-116	Meas. of ο Ceti. Phot. R.	.^ —
"	119-133	" " " 8 bright double stars.	.^
"	122-123	χ Cygni. " "	:^
"	127-129	χ Cygni. " "	:^
"	139-141.	χ Cygni. Polar phot.	.^
"	132-133	χ Cygni. " "	.^
"	142-143	D.M. 62°596 " "	.
"	144-145.	Extension of photometric scale. Polar phot.	.
"	146-147.	ο Ceti. Polar phot.	.^ —
"	147-150	χ Cygni. " "	.^
"	151-152	ο Ceti. " "	.^ —
"	152-155	χ + S. Cygni. " "	. δ^ χ^
"	164-165.	ο Ceti. " "	.^ —
"	165-168.	χ + S Cygni. " "	. δ^ χ^
"	169-170.	ο Ceti. " "	.^ —
"	171-172.	χ Cygni. " "	.^
"	175-177	ο Ceti. " "	.^ —
"	177-178	D.M. +62°596 " "	.
"	179-180.	χ Cygni. " "	.^
"	183-184	D.M. +62°5-96 " "	.
"	185-186	ο Ceti. " "	.^ —
"	186-187	χ Cygni. " "	.^
"	190-191	ο Ceti. " "	.^ —
"	191-192	χ Cygni. " "	.^
"	196-198	ο Ceti. " "	.^ —
"	198-199	χ Cygni. " "	.^

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj...4590

Measts. of light of stars, planets, &c. – also spectra.

Book	Page		
67	212-213	o Ceti. Polar phot.	. ^ —
"	214-215	χ Cygni. " " .	. ^
"	217-218	Meas. of 1 bright double star. Polar phot.	. ^
68	1-2	χ Cygni. Polar Phot.	. ^
"	3-4	o Ceti. " " .	. ^ —
"	5-9	Meas. of 3 bright double stars. " "	. ^
"	15-16	χ Cygni. Polar. phot.	. ^
"	17-20	o Ceti. " "	. ^ —
"	21-25	Meas. of 3 bright double stars. " " .	. ^
"	26-27	χ Cygni. Polar phot.	. ^
"	30-32	o Ceti. " " .	. ^ —
"	33-34	χ Cygni. " " ,	. ^
"	38-39	" " " " .	. ^
"	39-40	o Ceti. " " ,	. ^ —
"	46-47	χ Cygni. " " ,	. ^
"	47-48	o Ceti. " " .	. ^ —
"	50-51	Nova Aurigae " " ,	. ^
"	52-53	o Ceti. " " .	. ^ —
"	54.	Meas. of 1 bright double star. Polar. phot.	. ^
"	55-56	χ Cygni. Polar. phot.	. ^
"	56-58	o Ceti. " " .	. ^ —
"	58-59	Nova. Aurigae " " .	. ^
"	62-63	χ Cygni. " " .	. ^
"	63-64	Nova Aurigae " " .	. ^
"	65-66	o Ceti. " " .	. ^ —
"	68-70.	χ Cygni. " " ,	. ^
"	70-71	o Ceti. " " .	. ^ —
"	78-79.	χ Cygni. " " ,	. ^
"	79-81	o Ceti. " " .	. ^ —
"	82-83	χ Cygni. " " .	. ^

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae..proj..4590

Measts. of light of stars, planets, &c. -also spectra.

Book	Page		
68.	83-84	o Ceti. Polar. phot.	. ^ —
"	96-97	χ Cygni. " " .	. ^
"	97-98	o Ceti. " " .	. ^ —
"	99-104	Measts of 100 δ Piscium &c. double stars. Polar. phot.	. ^
"	105-106	χ Cygni. Polar phot.	. ^
"	106-108	o Ceti. " "	. ^ —
"	111-112	Meast. of 1 bright double star. Phot. R.	. ^
"	113-114	χ Cygni. Polar. phot.	. ^
"	114-115	o Ceti. " " .	. —
"	118-119	Meast. of 1 bright double star. Phot. R.	. ^
"	120-121	o Ceti. Polar. phot.	. ^ —
"	122-123	χ Cygni. " "	. ^
"	123-125	Nova Aurigae " " .	. ^
"	125-126	o Ceti. " "	. ^ —
"	128-130	Meast. of 1 bright double star. Polar phot.	. ^
"	134-137	Extension of photometric scale. Polar. phot.	.
"	142-145	" " " " " "	.
"	148-149	" " " " " "	.
"	150-151	Anderson's New Variable. " "	. ^ —
"	152-153	Extension of photometric scale. " "	.
"	153-154	o Ceti. Polar phot.	. ^ —
"	155-156	Extension of photometric scale. " " R.	.
"	157-159	o Ceti. Polar phot.	. ^ —
"	159-160	Extension of photometric scale. " "	.
"	161-162	Anderson's New Variable. Phot. R.	. —
"	163-164	D. M. +62° 596. Polar. phot.	.
"	165-166	o Ceti. " "	. ^ —
"	167-168	Extension of photometric scale. Polar phot.	.
"	169-170	Anderson's New Variable. Polar. phot.	. ^ —
"	171-172	D. M. +62° 596. Polar phot.	.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj...4590

Measts. of light of stars, planets &c. - also spectra.

Book	Page	
68	173-175	Anderson's New Variable. Phot. R.
"	175-177	o Ceti. Polar phot.
"	183-184	" " " "
"	185-188	Meas. of 2 bright double stars. Phot. R.
"	191-193	o Ceti. Polar. phot.
"	193-195	Meas. of 1 bright double star. Phot. R.
"	199-200	o Ceti. Polar. Phot.
"	200-205	Meas. of 3 bright double stars. Phot. R.
"	206-207	o Ceti. Polar. Phot.
"	207-214	Meas. of 4 bright double stars. Phot. R.
"	215-216	o Ceti. Polar. Phot.
"	220-221.	Anderson's New Variable. Polar. Phot.
69	5-6	o Ceti. Polar. Phot.
"	7-9.	Nova Aurigae. " "
"	18-19	Meas. of 1 bright double star. Polar. Phot.
"	20-21.	o Ceti. Polar. Phot.
"	22-25	Extension of photometric scale. Polar. Phot.
"	26-27	o Ceti. Polar. Phot.
"	27-32	Extension of photometric scale. Polar. Phot.
"	33-34	o Ceti Polar. Phot.
"	34-37	Extension of photometric scale. Polar. Phot.
"	44a-45a.	o Ceti Polar. Phot.
"	45a-51.	Extension of photometric scale. Polar. Phot.
"	53-55	o Ceti. Polar. Phot.
"	59-60.	D. M. +62° 5-96. Polar. Phot.
"	61-63.	o Ceti. Polar. Phot.
"	63-73.	U. Cephei " "
"	74-75	o Ceti. " "
"	77-78	Nova Aurigae " "
"	83-84	o Ceti. " "

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Measts. of light of stars, planets, &c. - also spectra.

Book	Page.	
69	85-88	Extension of photometric scale. Polar. Phot.
"	90-91	o Ceti. Polar. Phot.
"	91-94	Extension of photometric scale. " "
"	95-96	o Ceti Polar. Phot.
"	97-98.	Extension of photometric scale. " "
"	102-103	o Ceti. Polar. Phot.
"	108-109	" " " "
"	123-126	" " " "
"	130-131	D.M. +62° 596. Polar. Phot.
"	133-134	o Ceti " "
"	140-143	Meas. of 2 bright double stars. Phot. R.
"	144-155	" " 7 " " " " "
"	156-157	o Ceti. Polar. Phot.
"	166.	" " " "
"	182-193	U. Cephei. Phot. R.
"	202-203	D.M. +62° 596 " "
"	207-208	" " " " " "
70.	1-2	" " " " " "
"	9-10	" " " " " "
"	19-20	Meas. of 1 bright double star. Phot. R.
"	38-39	Nova Aurigae, Phot. R.
"	58-59	Meas. of 1 bright double star. " "
"	63.	S.D. -21° 4483, spectrum &c.
"	64-65	Meas. of 1 bright double star. " "
"	69-70	" " " " " " " "
"	75-76.	" " " " " " " "
"	82-83.	" " " " " " " "
"	91-96	U. Ophiuchi. Phot. R.
"	97-98.	Meas. of 1 bright double star, " "
"	99-100.	D.M. +62° 596. Phot. R.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj...4590

Measts. of light of stars, planets, &c – also spectra

Book	Page							
70.	100–108.	ν. Ophiuchi.	Phot. R.					
"	109–111.	Meas. of 2 bright double stars.	Phot. R.					
"	112–123.	ν. Ophiuchi.	Phot. R.					
"	125–128.	Meas. of 2 bright double stars.	"	"				
"	131–134.	"	"	"	"	"	"	"
"	138–156.	"	" 12	"	"	"	"	"
"	160–165.	"	" 3	"	"	"	"	"
"	167–171	"	"	"	"	"	"	"
"	174–195.	"	"	"	"	"	"	"
"	201–4	"	"	"	"	"	"	"
"	208–213.	"	"	"	"	"	"	"
"	216–218.	"	"	"	"	"	"	"
71	1–2	"	"	stars near pole			"	"
"	6–8	"	"	bet. dbl. stars			"	"
"	10–14	"	"	"	"	"	"	"
"	17–19	"	"	"	"	"	"	"
"	22–3	"	"	"	"	"	"	"
"	31–3	"	"	"	"	"	"	"
"	39–40	"	"	bet. stars near pole.			"	"
"	41–46	"	"	bet. dbl. stars			"	"
"	63–69	"	"	"	"	"	"	"
~~"~~	~~70–73~~	~~"~~	~~"~~	~~ν Cephei.~~			~~"~~	~~"~~
"	76–79	"	"	Hartwig's Nova Vul. (+15°3311)			"	"
"	79–81	"	"	o Cet.			"	"
"	82–83	"	"	A.G.C. 24407			"	"
"	85–86.	"	"	ν. Cephei.			"	"
"	99–101	"	"	A.G.C. 25157			"	"
"	102–103	"	"	ν. Cephei.			"	"
"	104–106	"	"	Polaris.			"	"

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Measts. of light of stars, planets, &c. – also spectra.

Book.	Page	
71.	107-109	Meas. of A.G.C. 25157. Phot. R.
"	110-111	" " α. Cephei. " "
"	112-113	" " ο Ceti " "
"	114-115	Experiments with Phot. R.
"	116-117.	Meas. of A.G.C. 25157 " "
"	118-119.	" " α. Cephei. " "
"	121-122	" " A.G.C. 24407 " "
"	123-125	" " α. Cephei. " "
"	125-127	Experiments with Phot. R.
"	128-129	Meas. of A.G.C. 24407 " "
"	130-131	" " D.M. +62°596. " "
"	131-133	Experiments with Phot. R.
"	134-136	Meas. of ο Ceti " "
"	137-139	" " α. Cephei. " "
"	139-141.	" " D.M. +62° 596 " "
"	141-143	Experiments with Phot. R.
"	145-146	Meas. of α. Cephei. " "
"	147.	Experiments for focus. " "
"	147-151.	Meas. of α. Cephei. " "
"	156-158	" " " " " "
"	158-159	Comps. of D.M. +81°26 with +81°30 " "
"	165-166	Meas. of α. Cephei. " "
"	166-168	Comps. of D.M. +81°26 with +81°30 " "
"	169-170	Meas. of α. Cephei. " "
"	170-171	Comps. of D.M. +81°30 with +81°26 " "
"	172-173	Meas. of M.P. 441. " "
"	173-175	Meas. of ο Ceti, " "
"	175-176	" " Nova Aurigae. " "
"	177-178	" " α. Cephei. " "

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj...4590

Measts. of light of stars, planets &c. — Also spectra.

R. 71	pp. 179-180	Comp. of D. M. +81°30 with +81°26	Phot. R.	'
"	" 180-1	Meas. of o Ceti.	" "	'
"	" 182-3	" " α Cephei.	" "	'
"	" 183-4	Comp. of D. M. +81°30 with +81°26	" "	'
"	" 185	Exp. for focus.	" "	'
"	" 186-8	Meas. of α Cephei.	" "	'
"	" 188-190	Comp. of D. M. +81°30 with +81°26	" "	'
"	" 191-2	Meas. of o Ceti.	" "	'
"	" 193-4	" " α Cephei.	" "	'
"	" 195-9	Comp. of D. M. +81°30 with +81°26	" "	'
"	" 200-2	Meas. of α Cephei.	" "	'
"	" 203-4.	Meas. of ordinary + extraordinary images of 4th magn. star	" "	'
"	" 208	Spectra of object at R. A. 18h 36m 56s -27°57'.5		'
"	" 208-9	Meas. of δ Ceti.	" "	'
"	" 210-1	" " α Cephei.	" "	'
"	" 211-2	Comp. of D. M. +81°26 with +81°30	" "	'
"	" 213-4	Meas. of W. Cephei.	" "	'
R 72.	" 1-8	Meas. of 3 bright double stars.	" "	'

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj.4590

Miscellaneous.

13.	14.	Diam. of Hale R I.
"	116.	No. of centim. cor. to 1 rev. of focus screw.
14	12.	Aperture of East Equatorial.
"	64.	Adjustment of object glass of small tel.
"	73.	Focal length of lens.
"	74.	Dist. from diaphragm to eye piece prism. Phot. Q.
~~"~~	~~135.~~	~~Interval between images on scale.~~
"	197.	Constant of Diopter.
15	30.	Microm. with line illumination.
"	96.	Transits of pairs of stars.
"	100.	Exam. of sats. of Saturn.
"	103.	Occultation of star.
"	144.	Distance of objective &c. Phot. L.
"	154.	& Urs. Min. Transits ?
"	174.	Microm. Phot. L
"	192.	& Urs. Min. " "
16	23.	Value of small filar microm.
"	24.	" " new microm.
"	136.	Coincidence of Micrometer.
"	216.	" "
17.	4.	" "
"	10.	" "
"	11.	" "
"	13.	Coast Survey screw.
"	17.	Pitch of screw from Polaris.
"	20.	" " " " "
"	23.	Coincidence of Micrometer.
"	25.	" " "
"	26.	Value of screw from Polaris.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Miscellaneous. con.

17. 60. Nova Cygni.
" 136. Occultation of Mars.
~~18 v7. Spectrum of 28 Mu. +0° 4743.~~
~~" 122. Pr. 17861. Spectrum and light.~~
18 v4. Position of Keplers Star. (Approx.)
" 132. Obs. of spectrum of sky.
" 163. Parallax Work.
19 111. " "
" 151. Brunnow's Stars. - Bands.
" 155. Parallax Work.
" 164. Star spectra.
" 170. Exam. of several double stars. pos. & dist. est.
20 18. " " " " " " "
" 24. Parallax Work.
" 46. " "
" 129. Nova Cygni.
" 170-6. Exam. of several double stars. " " (Some new)
" 179-183. " " " " " " "
" 189 " " " " " " "
21 v2. " " " " " " "
" 98. " " " " " " "
" 100. " " " " " " "
" 116. " " double " " "
" 132 " " several " " " "
22 v. " " double K.C. 22. " "
" 16. " " " " 24. &c. " "
" 134-139. " " " " 89. &c. " "
23 129-131. " " double stars.
24 140 - 2 " " " "
" 206. " " " "
" 208. " " " "

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj.4590

Miscellaneous. con.

24.	216.	Bright Auroral Arch.
25	163.	Note (in extenso) on Tempels' Neb. in the Pleiades.
"	170-1	" " " " " " " "
"	191.	Set. of bears thought to be seen.
26	4	Distance of images in Phot. R. with Pos. Circ. at diff. angles.
"	39-41.	Stars near θ and δ Aquilae.
"	47	" Fol. δ Aquilae.
"	52	" near β Aquarii.
"	56-8	" " " " and ε Aquarii.
"	62-4	Region of β Aquarii and ε Pegasi.
"	67	" " γ Pegasi
"	76	Stars near θ' Ceti.
"	94.	Proposed sequence for Polar Stars.
"	102.	Stars fol. ε Ceti.
"	103.	" " ε Tauri.
"	120-1.	" near θ Ceti.
"	133-4	" " ε Procyon.
"	134.	" " ε Tauri.
"	140-1.	" " θ Ceti.
"	143	" " ε Tauri.
"	144.	" " ε Orionis.
"	151.	Third type star near γ Eridani,
"	151-3.	Stars fol. γ Eridani;
"	156.	+54° 42 found to be very finely banded.
"	193-4.	Sweeps for Plan. Neb. (Tel. 30° N. -15° to -20°. Began 10h 1m)
"	202.-3.	also 213. ε Can. Min. (sequence.)
"	207-8.	Comparisons of stars at different altitudes.
"	209.	+87° 51 banded.
"	210-211.	Stars fol. a double star in the zodiacal light.
"	214-7.	Red star near θ' Can. Maj.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Miscellaneous con.

27	2.	S. V. in Can. beg.
"	6.	Sm. +46° 2 42 (Banded)
"	7-10.	Stars near place of Sats. of Mars. on previous night.
"	15.-6.	Stars " " ε Hydrae.
"	18-24.	" " " " " and ε Leonis, &c.
"	31-34.	" " " θ Leonis, γ Virginis, &c. γ Sem.
"	34-36.	Trial of Hilger Spectroscope.
"	39.	Sweep for Plan. Nebs.
"	41.	Prelim. Trials of Dry Plate by Prof. E. C. Pickering.
"	"	Sweep for Plan. Nebs. (Tel. 3h 15m W. +12.5° to +17.5° Began 7h 57m
"	"	Trial of Hilger Spectroscope.
"	56.	" " " "
"	58-70.	" " " "
"	71.	"Dry Plate Photographs."
"	111-2.	Sweep for Plan. Nebs. (Tel. 1h W. -12.5° to -17.5°. Began 11h 36.5m)
"	114.	" " " " " (" 55m W. -12.5° to -17.5°. Began 9h 36m)
"	114.	Stars near ε Bootis.
"	119.	Sweep for Plan. Nebs. (" 3h 50m W. +12.5° to +17.5°. Began 10h 30m)
"	120.-1.	Transits of stars for Var. Star in Puppis to test wedge.
"	132.	Trial of Dry Plate Photographs.
"	136.	Trial of Hilger Spectroscope.
"	163-4.	Sweep for Plan. Nebs. (Tel. 3h 25m W. +12.5° to +17.5°. Began 12h 5m)
"	165.	Photographic Expts by Prof. E. C. Pickering.
"	174.	Sweep for Plan. Nebs. (Tel. 3h 35m W. +12.5° to +17.5° Began 10h 40m)
"	199.-201.	" " " " (" 15m W. -12.5° to -17.5° " 14h 37m)
"	210	" " " " (" 3h 23m W. +12.5° to +17.5° " 16h 2m)
24	32.	Disc. of IV type star.
"	33.	Rediscovery of Plan. Neb. (Tel. 10m W. -12.5° to -17.5° " 14h 50m)
"	36.	Sweep for Plan. Nebs.
"	43.	" " " " " 1h 30m W. -12.5° to -17.5° " 14h 40m)

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj.4590

Miscellaneous, con.

Book.	Page.	
28	46-7.	Neb. found July 13.
"	48-9.	Sweeps for Plan. Neb. (Tel. 1h 20m E. ?
"	74.	Expts. with Direct Vision Spectroscope.
"	75-6.	Plan. Neb. 3 m. +1° 3979 – Also Neb. found July 15, 1887.
"	82-3.	Nova Cygni.
"	84-5.	Barnard's Neb. (Location of) – also Sweeps for Plan. Neb.
"	90	Sweeps for Plan. Neb. (Tel. 3h 4m. +12.5° to +17.5°. Began 19h 37m)
"	106-8.	" " " " (" 1h 5m E. -12.5° to -17.5° " 19h 33m)
"	114	" " " " (" 4h 15m M. +12.5° to +17.5° " 19h 55m)
"	115.	Finding of Plan. Neb.
"	116.-8.	Sweeps for Plan. Neb. (Tel. 3h M. -15° to -20°. " 20h 39m)
"	119	Expts with new direct vis. spectroscope.
"	121-2.	Sweeps for Plan. Neb. (Tel. 1h 35m M. 0° to -5° " 20h 3[illegible])
"	123.	Cluster in Sagittarius. (Location of stars)
"	217.	Location of Plan. Neb. N.C. No. 8.
29	1.-2.	[illegible] " " " " " " ?
"	15-6.	" " " " " " ?
"	17	Sweeps for Plan. Neb. (From 18h 18m to 18h 41m and -5° to -10°)
"	19-21.	Location of Plan. Neb. found Sept. 4.
"	58-61.	Stars fol. ψ Serpentis and δ Aquilae.
"	64	Sweeps for Plan. Neb. (Tel. 20m M. -12.5° to -17.5°, Began 23h 5m)
"	74-5.	" " " " (" 2h 20m E. +12.5° to +17.5° " 20h 25m)
"	76-7.	" " " " (" 2h 30m M. +5° to +10° " 21h 47m)
"	83	" " " " (" 2h 15m M. +10° " +15° " 21 35)
"	97-8.	Disc. of several double stars.
"	106-7.	Sweeps for Plan. Neb. (Tel. 4h 30m E. +12.5° to +17.5° " 22h 7.5m)
"	110-111.	" " " " (" 4h 15m E. +12.5° " +17.5° " 20h 22m)
"	133-4.	" " " " (" 2h 25m M. +12.5° " +17.5° " 23h 4m)
"	136-7.	Stars fol. ψ Serpentis
"	138-9.	Sweeps for Plan. Neb.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Miscellaneous, con.

Book.	Page.	
29	149	Sweeps for Plan. Asts. (Tel. 2h 20m E. +5°.0 to +10°.0, Began 20h 30m Stopped at 22h 20m
30	3.	" " " " (" 2h 50m E. +1° to +20° " 22h 10m)
"	5.	Exam. of ε and δ Lyræ.
"	5-6.	Sweeps for Plan. Asts. (Tel. 5m E. -12.°5 to -17.°5 Began 22h 35m)
"	12	" " " " (" 1h E. -12.°5 " -17.°5 " 1h 39m)
"	14.	" " " " (" 5m W. -12°5 " -17.°5 " 0h 45m)
"	18	" " " " in Perseus. 6 10-30 and 7 0 to 10)
"	54-6	Obs. with Transit of Venus photometer.
"	60-82.	Obs. of Transit of Venus. See also p. 54-6. and 110.
"	91.	Sweeps for Plan. Asts. (Tel. 4h 20m W. +47° to +55°, Began 1h 50m)
"	91-5.	Transits of stars near R Andromæ.
"	101	Sweeps for Plan. Asts. (Tel. 4h 30m W. +45° to +55.° Began 1h 20m)
~~"~~	~~101~~	~~Spectrum of κ Ceti.~~
"	102.-5.	Stars fol. κ Ceti.
"	106-9.	Transits of stars near ν Arietis.
"	123.-4.	Expts on focal length of of finder on large tel.
"	126	Transits of stars near ν Ceti.
"	129-131.	" " " " ν Orionis.
"	136-7.8	" " " " R Ursæ Min.
"	139	" " " " Var. in Pupidis.
"	184.-190.	Stars near τ Geminorum.
"	196-8.	" " R Ursæ Min.
"	204-8	" " Var. in Pupidis.
"	211	Transits of both limbs of Jupiter and between images of Sat. III.
31	9-11.	" " stars near R Andromæ.
"	24.	Sweeps for Plan. Asts. (Tel. 5h 45m W. +42° to +49°. Began 4h 3m (22h 12m to 23h 2m)
"	45.	" " " " (Tel. on Merid. -12.°5 to -17.°5. Began 6h 39m, Stopped 7h 23m
"	53.	" " " " (" 5m East. -12.°5 to -17.°5 Began 4h 35m Ended 5h 17m
"	57	" " " " (" 3h 25m W. +42° " +49° " 4h 25m " 5h 11m)
"	63	Double star of A. G. Clark.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Miscellaneous, con.

Book.	Page.	
31	6v.	Trial of new photometer, also inc. Clean spectroscope.
"	69.	" " " inc. Clean spectroscope.
"	129	Sweep for Plan. Neb. (Tel. $2^h\ 30^m$ N. $0°$ to $+5°$ Began $9^h\ 6^m$ ($6^h\ 40^m$ to $7^h\ 20^m$)
"	144	Missing 3 hr, $+30°\ 49'$ 2 (9.5)
"	148-9.	Identification of stars near R Geminorum.
"	158-9.	Star suspected of large proper motion.
"	159-163.	Identification of region of S Gem.
"	165-6.	Trial of Holger spectroscope on Moon and ζ Orionis.
"	194-5.	Stars near ε Hydrae.
"	196	" " ζ Leonis.
"	199	Identification of region of S. V. near R Gem.
"	210-1.	Sweep for Plan. Neb. (Tel. $0^h\ 45^m$ N. $+25°$ to $+35°$ Began $10^h\ 25^m$ End 11^h very hazy
"	212	" " " " (" $3^h\ 25^m$ N. $+42°$ " $+49°$ " $9^h\ 45^m$ End. ?
"	213	" " " " (" $5^h\ 40^m$ N.(?) $+42°$ to $+49°$ R.A. $9^h\ 20^m$ to $10^h\ 0^m$)
"	217.	" " " "
32	3	Meas. of scale in Double Image micrometer for observing Recul. of Jup. Sats.
"	41	Stars near T Leonis.
"	43	Sweep for Plan. Neb. (Tel. 2^h E. $-12.5°$ to $-17.5°$ Began $12^h\ 14^m$ Ended $12^h\ 56^m$)
"	49.	" " " " (" $3^h\ 16^m$ N. $+42°$ to $+49°$ " $3^h\ 15^m$ " ?)
"	50.	Rel. cat. of stars.
"	59.	Sweep for Plan. Neb. (Tel. $6^h\ 50^m$ E. $+42°$ to $+49°$ Began $12^h\ 48^m$ Ended $13^h\ 32^m$)
"	"	Color of $+47°$ 2916.
"	60-1.	Identification of Plan. Neb.
"	99-101.	Location of stars near R Cygni and χ Cygni.
"	104	" " T Serpentis.
"	106-9	" " stars near T Bootis.
"	110-2.	" " " " R Com. Ber.
"	113-4.	" " " " U Leonis.
"	134-8.	" " " " S Coronae.
"	141-6.	" " " " N Scorpionis and S Herculis
"	148-153.	" " " " S Librae, R Serpentis, R Ur. Min. and R Herculis.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Miscellaneous, cont.

Book.	Page	
32	172-173.	Stars near R Librae, R Coronae, R Ophiuchi
"	176-8	" " S Ophiuchi.
"	179	Experts in recording Zone Obs. with wedge.
"	180-3.	Stars fol. S Oph.
"	187-9.	" near 86 a V Oph.
"	193-6.	" " R Lacertae.
"	198-201.	" " R Scorpii.
"	204-6.	" " S Oph.
"	207	" " Y Virginis.
"	207-9.	" " β Librae.
"	210-2.	" " η Oph.
"	213.	" " S Cygni.
"	214-8.	" " " "
33	0	Obs. of Mimas. Obs. on Rigi Kulm.
"	1	Stars near R Boötis.
"	12-15.	" " T Herculis.
"	22-3.	" " R and S Sagittarii.
"	26	" " T Sagittarii.
"	28	" " S. V. which is near S Oph.
"	124	" " R Lacertae.
"	143-6.	Comp. Stars for R Persei.
"	162-4.	Stars fol. S Aquilae.
"	166	Sweep for Plan. Neb. (Tel. 2h 50m Hr. -10° to -15°. Began 21h 10m Ended 21h 30m)
"	170	" " " " (" 2h 10m Hr. 0° to -5°. " 20h 50m " 21h 10m)
"	175-181.	Stars fol. β Aquarii, and S Aquilae.
"	184-6.	" " L "
"	189-191.	Sweep for Plan. Neb. (Tel. 2h 50m Hr. +15° to +20° Began 22h 0m Ended 22h 51m)
"	191.	Identification of S. V. 549.
"	191.	Sweep for Plan. Neb. (Tel. 3h 30m R. +35° to +40° Began 1h 0m Ended 1h 26m)
"	196.	Stars with Mic. Clean spectroscope.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj.4590

Miscellaneous, con.

Book.	Page.	
33	197-202.	Stars fol. δ Aquilae.
"	202-v.	" " " θ "
34	14	" " " β "
"	15	" ~~near~~ β Aquarii.
"	16-7.	" " " ε "
"	20	Sweeps for Plan. Neb. (Tel. 4h 2v 7. +2v° to +30° Began 23h 20m Ended 23h 51m)
"	26	Faint stars fol. β Aquarii.
"	"	Sweeps for Plan. Neb. (Tel. 3h 30m 7. +20° to +2v°. Began 23h 24m Ended 23h 2v. 5m)
"	27.	Verification of stars near θ Aquilae.
"	28.	Light of H. C. 171 with Phot. 4.
"	32	Stars near θ Aquilae with chronograph.
"	39	" " ξ Herculis.
"	42-4.	" fol. ε Aquarii.
"	45-7	" near I Pegasi.
"	49-52.	" " R Vulpec.
"	52-3.	" fol. ε Ceti.
"	54-8.	" " Nebulous object.
"	66-7.	" north of R Ceti.
"	68-71.	" south + north " I Tauri.
"	75-80.	" ~~fol.~~ near R. Leonis.
"	82-4.	" " ε Pegasi.
"	87-7.	" near I Piscium.
"	88-93.	" " S and R Aquarii.
"	93-6.	" " γ Pegasi.
"	96-8.	" " N Ceti.
"	99-110.	" " S Gem. θ Aquilae, R Persei
"	117-120.	Obs. of Meteors.
"	131-3.	Stars near R Androm. and S Arietis.
"	139-141.	" " θ' Ceti and ε Piscium.
"	149-150.	" fol. R Tauri.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Miscellaneous, cont:

Book.	Page.	
34	161-2.	Stars fol. δ Ceti.
"	167-171.	" " γ Eridani, &c.
"	174-180.	Location of Plan. Astr. disc. Nov. 1883.
"	180-2.	Stars fol. ε Pegasi. and δ Ceti.
"	188	" near o Ceti.
"	189-190.	" " I Arietis.
35	7-9.	" " S Orionis.
"	10	Sweep for Plan. Astr. (Tel. N^m Tr. -20^d 6 - 25°. Began 6^h 55^m Ended 7^h 42^m)
"	24-6.	Stars near U Canori.
"	45-7.	" " U Puppis.
"	48-9.	" " ε Tauri.
"	79-83.	" " ε Can. min.
"	94-5.	" " ε Hydrae.
"	99-108	" " " " , ε Leonis &c.
"	115-118.	" " " " γ Virginis &c.
~~"~~	~~123-4.~~	~~Expts with Spectrum Photometer.~~
"	128-131.	γ Gem. and stars fol.
~~"~~	~~132.~~	~~Spectrum Photometer.~~
~~"~~	~~166-8.~~	~~Expts with Spectrum Photometer.~~
"	175-8	ε Virginis and stars fol.
"	186	Stars fol. ε Virginis.
36	209	" " γ Sagittae.
"	210-212.	" " δ Aquilae.
37	3	" " " "
"	6-8.	" " " "
"	10-11.	" " θ "
"	14	" " " "
"	41	Manifestations of Earthquake Shock.
"	60-1.	Stars fol. β Librae, & Bootis &c.
"	142	" " β Aquarii. — also ε Aquarii.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj.4590

Miscellaneous, con.

Book.	Page.	
~~37~~	~~147-150~~	~~Locked Spectroscope~~
37	151-3.	Stars fol. γ Oph. & Aquilae &c.
"	156.	Prof. J. C. Adams in town.
"	157-161.	" " " & Aquilae
"	167-9.	" " " "
"	207	Error in magn. of H.P. 2.
"	209.-215.	Stars ~~fol.~~ & Aquilae. and several other stars.
38	1	" " δ Aquilae.
"	3	" ~~near~~ γ Serpentis &c.
~~"~~	~~7-10.~~	~~" " γ " &c. with wedge.~~
"	18-9.	" " θ Ceti &c.
39	1-6.	Selection of standards fol. ε Virginis.
"	72-6.	Solar Eclipse. obs.
~~"~~	~~99~~	~~Stars fol. ε Can. min. with wedge.~~
"	111.	" " " ε Virginis. (selection)
"	144	Emersion of θ Librae.
40	1-5.	Stars fol. γ Oph. &c. with Plat. I.
"	16-8.	Expts. of Prof. E. C. Pickering on photographing the moon.
"	19-20.	" " " " on photog. comps. of Sun, moon & Sky.
"	55	Transit of square bar with Coast Surv. inst.
"	56-9.	Investigations of square bar.
~~"~~	~~87~~	~~Star in Nebl. of Androm.~~
"	113-4.	Location of New Star in Nebl. of Androm.
"	116-7.	" " " " " " " "
"	132	Obs. in connection with explosion at Flood Rock.
"	137	Identification of ~~st~~ region about χ Cygni.
"	164-172.	Meteors, (Andromedes)
"	216	Identification of several comp. stars for ο Ceti.
41	1-5.	Location of Gore's New Star with Bar.
"	15.	Curious streamer, probably from fire in Charlestown.
"	48	Error in Dec. place of star at about 3h 53m R.A. and Dec. +0°

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Miscellaneous. con.

Book.	Page.	
41	53.	Prob. error of 11' in place of ~~+2h 23m 36s~~ +2h 23m 37s.
"	66	Identification of stars near New Star in Nebl. of Androm.
"	67	Expts with Pritchard's Wedge Photometer.
"	69	" " " " "
"	75-7.	Photographic expts with East Equatorial.
"	78	Emersion of Jup. III. 6h 5m.
"	79-81.	Photographic expts with East Equatorial.
"	86	Occultation of Jup. III.
"	90-2.	Photographic expts with East Eq.
"	92	Remarkable seeing.
"	102-3.	Photog. Expts. with East Eq.
"	109-	" " " " "
"	114-5.	" " " " "
"	126	Identification of stars about R Cam.
"	140	Photographic expts with East Eq.
"	170.	" " " " "
"	183.	Expts. with slit spectroscope. Photograph of ε Boötis.
~~42~~	15-18.	Photog. Exp. with East Eq.
"	32	Expts with slit spectroscope.
"	36	Photog. Expts. with East Eq.
"	43	" " " spectroscope.
"	94-6.	Solar Eclipse.
"	192-4	Obs. with a new Occultator.
43	63-4.	Expts. with slitless spectroscope.
"	101	Wedge Photom. on new plates of glass and tinfoil lines by Clark.
"	132	Obs. of Saturn.
44	12-13.	Ident. of several Comp. stars for β Librae.
"	~~14~~	
"	15	Location of " " " near ζ Lupi.
~~"~~	~~100-1~~	~~Expts with new Wedge Photometer.~~
~~"~~	~~102-112.~~	~~" " " " " " "~~

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj.4590

Miscellaneous, con.

Book.	Page.	
~~44~~	~~116~~	~~Expts. with new Hodge Photometer.~~
44	176	Occultation of ε Tauri.
"	184-9.	" " γ Librae.
"	217	" " π Sagittarii.
45	50	Errors ☆ in Dm.
"	86	Est. of magn. in Pleiades.
"	110-1.	Occultation of ε Tauri.
46	20-3.	Occultations Obs. at Lunar Eclipse Jan. 28. 1888.
"	190	Comparison of Photo. of Saturn with sky.
"	212.	Suspe. New. Sat. of Saturn. (Exam. of region.)
47	57.	Looked for object photographed during eclipse.
"	118.	Remarks on I Scorpii.
48	5-7.	Expts with 25" Eye Piece and double ruled lines.
"	11-13.	" " " " " " " " " "
"	17	Exam. of ☆ region of Alphonsus on Moon.
"	99-101.	Comp. Stars for Asteroids.
"	213.	Expts with R. A. Willson's Dynamotor.
49	19-20.	Obs. " " "
"	88-90.	Exam. of region of Pleiades.
"	215-8.	Exper. with new Tin Foil Square Bar upon glass.
50	5-8.	" " " " " " " " " "
"	13-16.	" " " " " " " " " "
"	23-6.	Val. of Diag. of Sq.
"	147-8.	Exam. of Saturn's ring.
"	194.	" " " "
"	195.	" " " "
51	112	Star missing in Dm. but on Photographic Plate.
"	130	Photog. Expts. on Large Tel.
"	166-7.	Dm. +5° 2397 and associated star.
52	111	Exam. of Phrixus by Prof. E. C. Pickering.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

Miscellaneous, con.

Book.	Page.	
V4	3	Expts in Spectrum Photog. (See Book L. p.p. 6.7.)
"	4, 5	" " " " (" " " " 8.9.10)
"	12,	" " " " (" " " " 11. 12. 13)
"	19.	" " " " (" " " " 14-15. 16.)
"	20.	" " " "
"	27	" " " " " " " " 17. 18
"	35-6.	Location of new Var. at - 38°.
"	69	Prism on Equatorial.
"	141	" " "
"	144	" " "
"	159-160.	Location of new Var.
"	164	Prism on Equatorial.
V5	13	Mass obs. by Prof. W. H. Pickering and O. C. Frendell. See Boyden Book No. 2
"	151.	Showed Prof. Michaelson several Double Stars, Nebs. and Jupiter.
"	192.	Examination of Jupiter.
V6	1	Spectrum of ~~Dec.~~ -19° K.V.4.
		" " " -16° V.K.18.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj..4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1879phae.proj.4590

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System