1899phae.proj.1142P

KG
11366
140

Miscellaneous Counts
EC Pickering's for No. 1.
Annual Report
55 G 81 inclusive

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ITG 11366.140

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KG 11366.149

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Duplicate Objects of Interest on Northern Spectrum Plates.

Book No	Plate V H	Object	Design	R.A.	Dec.	Magn.
~~4645~~						
4646						
4647						
4648						
4649						
4650						
4651						
4652						
4653						
4654						
4655						
4656						
4657						
4658						
4659						
4660						
4661						
4662						
4663						
4664						
4665						
4666						
4667						
4668						
4669						
4670						
4671						
4672						
4673						
4674						

Made out by mistake

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For Annual Report. (from Oct. 1899 to Oct. 1900)

	Last plate taken in Sept. 1899.	Last plate taken in Sept. 1900.	No. Plates
For 8 inch Draper Telescope.	I 23703	I 25890.	2187 ✓
11 inch Draper Telescope	C 12183	C 12872	? 689 ✓
Transit Photometer	M 3137	M 3774	637 ✓
Cooke Lens (Cambridge)	aC 462	aC 1019	557 ✓
Ross Lens.	aB 825	aB 850	25 ✓
Meteor Camera	aD 107	aD 180	73 ✓
			4168

For 24 inch Bruce Telescope	A 4007	4767 4627 (Aug. 31)	760
For 8 inch Bache Telescope.	B 24285	26339 25585 (Aug. 31)	2054
13 inch Boyden Telescope.	X 10013	10214 10207 (May 11)	201
Transit Photometer (Arequipa)	N 805	1123 1004 (May 18)	318
Cooke Lens (Arequipa)	aM 187	684 692 (Aug. 31)	497
			3830

	Last Series taken in Sept. 1899.	Last Series taken (Dec. 2, 1899)	No. Series
S. M. P. Observations.	No 122	No. 166	44

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Plate 9 H Object Design R.A Dec. Magn.

4675
4676
4677
4678
4679
4680
4681
4682
4683
4684
4685
4686
4687
4688
4689
4690
4691
4692
4693
4694
4695
4696
4697
4698
4699
4700
4701
4702
4703
4704

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1899phae.proj.11427

For Annual Report (from Oct. 1899 to Oct. 1900)

IV Type Stars.

Z.C. 14h 970	14h 15.3m	-46° 57′	(1875)	Found on B 23024. June 1900. (also Var.)	1 Mrs. F.
DM. -16° 4904.	18h 22.0m	-16° 60′	(1855)	Found on B 23025. June 1900. (also Var.)	2 Mrs. F.
DM. -8° 4764	18 47.6	-8 22	(1855)	Found on B 22986. June 1900. (also var.)	3 Mrs. F.
Approx. pos.	20 11.1	-50 12	(1875)	Found on B 23029. July 1900.	4 Mrs. F.

V Type Stars.

Approx. pos.	11h 38.4m	-61° 35′	(1875)	Found on B 23016. June 1900.	1 Mrs. F.
Approx. pos.	15 5.0	-59 23	(1875)	Found on B 23021. June 1900	2 Mrs. F.
C.DM. -33° 12168.	17h 24.9	-33 32	(1875)	Found on B 23022. June 1900.	3 Mrs. F.
DM. -4° 4679	18 56.3	-4 32	(1855)	Found on B 23253 July 1900.	4 Mrs. F.

Sec. Stars.

DM. -17° 3971	13h 47.9m	-17° 32	(1855)	Found on B 22973.	1 Mrs. F.
C.P.D. -50° 10154	17 22.4	-50 59	(1875)	Found on B 20522 Jan. 1898.	2 Mrs. F.
Approx Pos.	17 31.2	-57 51	(1875)	Found on B 23004.	3 Mrs. F.

Gas. Nebulae.

Approx. Pos.	14 14.5	-43 34	(1875)	Found on B 23024	1 Mrs. F.
C.DM. -40° 11127	16 56.4	-40 42	(1875)	Found on B 22853 April 1900. & B 23022 June 1900.	2 Mrs. F.
Approx pos.	17 1.5	-55 14	(1875)	Found on B 22852 & B 23028	3 Mrs. F.
Approx. pos.	18 9.3	-46 1	(1875)	Found on B 22862. May 1900.	4 Mrs. F.
Approx. pos.	18 25.2	-22 45	(1855)	Found on B 22854. April 1900.	5 Mrs. F.
DM. -9° 5069	19 8.5	-9 18	(1855)	Found on B 23042. July 1900.	6 Mrs. F.

(over)

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Plate 8 H Object Design. R.A. Dec. Mag.

4705
4706
4707
4708
4709
4710
4711
4712
4713
4714
4715
4716
4717
4718
4719
4720
4721
4722
4723
4724
4725
4726
4727
4728
4729
4730
4731
4732
4733
4734

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1899phae.proj.1142p

For Annual Report (from Oct. 1899 to Oct. 1900).

HB

~ Stars having F line bright -

Approx. Pos. 17h 50.8 -56° 16' (1875) Found on B 23004. Mrs. F.

A.G.C. 8991 Not mentioned in pres. Rep. A.J.C. 1898-1899.

No of plates taken of β Aurigae	39
" " images double " "	22
No of plates taken of ζ Ursae Majoris	98
" " images double " "	10
No of plates taken of Large faint standard stars	1
No of plates on which selections have been made.	90
No of variables in clusters measured for position.	275

HB and Variable.

A.G.C. 19737 η Centauri HB bright and variable A.J.C.

A.G.C. 20878 K Apodis. " " " " A.J.C.

These stars have already been announced as HB bright but not as HB br. and variable.

Novae -

Nova Aquilae. Approx pos 19 13.0 - 0 23 (1855) Found on B 23105 Mrs. F.

Out of Focus Plates.

	Dec.	No	Dec	No		
No. Stars Meas	+90°	116	+80	341	-10° 1899	
	+70	736	+60	1357		
	+50	1804	+40	2093		
	+30	2014	+20	550		
	+10	1920	1	0		

	No.	
Pole I 25351	363	6590
" I 25824	262 two images	4341
" I 25350	" "	1899
		363
		1048
No. St. Meas		14241

Sept. 30, 1900.

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Plate 8 H) Object Design R.A. Dec. Magn.

4735
4736
4737
4738
4739
4740
4741
4742
4743
4744
4745
4746
4747
4748
4749
4750
4751
4752
4753
4754
4755
4756
4757
4758
4759
4760
4761
4762
4763
4764

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1899phae.proj.1142p

For Annual Report (from Oct. 1899 to Oct. 1900.)

Variables.

	h	m.					
A.G.C. 13539	9	51.3	−41°	7′	(1900)	Known as IV Type.	L. D. W.
" 14440	10	30.8	−39	3	(1900)	Known as IV Type.	L. D. W.
Approx. Pos.	10	32.3	−61	40	(1875)		E. C. P.
A.G.C. 17944	13	6.3	−56	28	(1900)		L. D. W.
DM. −18° 3660	13	33.9	−18	24	(1855)		L. D. W.
Z.C. 14h 970	14	15.3	−46	57	(1875)	New IV Type. (See IV Type Var.) found to be Var.	Mrs. F.
Approx Pos.	15	6.7	−50	18	(1875)		E. C. P.
" "	15	18.1	−57	17	(1875)	Found on B 23021 Md?	Mrs. F.
" "	17	16.4	−43	43	(1875)	Found on B 23032 Md	Mrs. F.
" "	17	47.2	−49	46	(1875)	Found on B 22862 Md	Mrs. F.
" "	18	0.7	−45	25	(1875)	Found on B 22862. Md.	Mrs. F.
" "	18	5.4	−42	52	(1875)	Found on B 22862 Md	Mrs. F.
" "	18	17.0	−49	43	(1875)	Found on B 23020 Md.	Mrs. F.
DM. −16° 4904	18	22.0	−16	60	(1855)	New IV type. (See IV Type Var.) found to be Var.	Mrs. F.
DM. −8° 4764	18	47.6	−8	22	(1855)	New IV type, (See IV Type Var.) found to be Var.	Mrs. F.
Approx. Pos.	18	53.4	−12	57	(1855)	Found on B 23023 Md.	Mrs. F.
DM. −16° 5360	19	26.0	−16	41.3	(1855)	Known as IV type.	L. D. W.
Approx. Pos.	19	41.2	−50	19	(1875)	Found on B 23029 Md	Mrs. F.
" "	20	9.3	−53	0	(1875)	Found on B 23029 Md.	Mrs. F.
" "	21	34.0	+42	31	(1855)	Found April 26, 1900.	Mr. Colson
DM. −22° 5901	22	15.2	−22	48	(1855)	Found on B 23121 Md?	Mrs. F.
A.G.C. 30605	22	20.5	−29	35	(1900)	(See Mrs F's Book IV page 75)	Mrs. F.

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Plate	V	H	Object	Design	R.A.	Dec.	Magn.
4765							
4766							
4767							
4768							
4769							
4770							
4771							
4772							
4773							
4774							
4775							
4776							
4777							
4778							
4779							
4780							
4781							
4782							
4783							
4784							
4785							
4786							
4787							
4788							
4789							
4790							
4791							
4792							
4793							
4794							

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1899phae.proj.1142P

For Annual Report. (from Oct. 1900 to Oct. 1901)

	Last Plate taken in Sept. 1900.	Last Plate taken in Sept. 1901.	No. Plates.
For 8 inch Draper Telescope.	I 25890	I 27656	1766
11 inch Draper Telescope.	b 12872	b 13545	673
Transit Photometer.	M 3774	M 4239	465
Cooke Lens.	aC 1019	aC 1809	790
~~Ross Lens.~~		~~aB~~	
Ross Zeiss.	aA 62 (Jan 1, 1901)	aJ 199 (July 27.)	
Meteor Camera.	aD	aD	
Long Focus Telescope.	aF	aF	

For 24 inch Bruce Telescope.	A 4767	A 5686 (Sept. 30. 1901)	919
8 inch Bache Telescope.	B 26339	B 28608 (Sept. 24, 190)	2269
13 inch Boyden Telescope.	X 10214	X 10354 (Sept. 30, 1901)	140
Transit Photometer (Arequipa)	N 1123	N 1523 (Sept. 30, 1901)	400
Cooke Lens (Arequipa)	aM 684	aM 1071 (Sept. 30. 1901)	387
Ross Lens. (Arequipa)	aB 8501	aB 1005 (Sept. 11, 190)	154

Spectrum Md.

U Andromedae 1 (1900) 9.8 +40° 11' found to have Spectrum Md on Plate I 25926 taken Oct. 16, 1900.

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Plate V H Object Design. R.A. Dec. Magn.

H795
H796
H797
H798
H799
H800
H801
H802
H803
H804
H805
H806
H807
H808
H809
H810
H811
H812
H813
H814
H815
H816
H817
H818
H819
H820
H821
H822
H823
H824

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For Annual Report (from Oct. 1900. to Oct. 1901)

Peculiar

2.C. 2112	10h	30.3m	−47°	53′	(1900)	Found on A 4358	Mrs F.
C.D.M. −47° 6614	11	7.5	−47	32	(1875)	"Rec" Lines dark instead of br. as in "Type V." Found on A 4351	Mrs F.
C.P.D. −54° 9810	21	1.3	−54	13	(1875)	"Rec" Dark bands having same R as br. bands in stars of Type V. Found on A 3586	Mrs. F.

Variables

Approx pos.	22h	57m	+14.5		(1855)	Prof. Pickering
D.M. +48° 4093	23h	26.7m	+48°	1.3	(1855)	Mrs. F.
C.P.D. −41° 9189	19	38.9	−41	28.8	(1875)	Mrs. F.

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~~Plate~~ ~~H~~ ~~Object~~ Design RA ~~Dec.~~ Magn.

H825
H826
H827
H828
H829
H830
H831
H832
H833
H834
H835
H836
H837
H838
H839
H840
H841
H842
H843
H844
H845
H846
H847
H848
H849
H850
H851
H852
H853
H854

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For Annual Report. (from Oct. 1900 to Oct. 1901.)

No. of plates taken of β Aurigae	30
" " images double " "	15
" " plates taken of β Ursae Majoris	84
" " images " "	12
" " plates taken of β Lyrae	7
No of plates on which selections have been made of faint standard stars	34
No of variables in clusters measured for position.	152

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Plate H Object Design. QA Dec. Magn

H855
H856
H857
H858
H859
H860
H861
H862
H863
H864
H865
H866
H867
H868
H869
H870
H871
H872
H873
H874
H875
H876
H877
H878
H879
H880
H881
H882
H883
H884

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For Annual Report (From Oct. 1901 to Oct 1902)

	Last Plate taken in Sept. 1901	Last Plate taken in Sept. 1902	No. of Plates taken.
For 8 inch Draper Telescope.	I 27656	I 29298	1642
" 11 inch Draper Telescope.	C 13545	C 14020	475
" Transit Photometer.	M 4239	M 4771	532
" Cook Lens.	aC 1809	aC 2853	1044
" Ross Zeiss.	aJ 199	aJ 341	142
" Meteor Camera.	aD.	aD	
" Long Focus Telescope.	aF	aF	

For 24 inch Bruce Telescope.	A 5686	A 6174	488
" 8 inch Bache Telescope.	B 28608	B 30748	2140
" 13 inch Bryden Telescope.	X 10354	X 10630 (Sept. 29)	276
" Transit Photometer. (Arequipa)	N 1523		
" Cooke Lens (Arequipa)	aM 1071	aM 1592	521
" Ross Lens (Arequipa)	aB 1005		

No. of Plates taken of ζ Ursae Majoris.	44
" " Images double.	3
" " Plates taken of β Aurigae.	26
" " Images double.	9
" " Plates taken of β Lyrae.	0
No of Plates on which selections have been made of faint standard stars.	0
" " " measured.	50

See also Ltr 20 Jan 22.

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1901 Annual Report (From Oct. 1901 to Oct 1902)

~~Plate & H Object Design. A. Dec. Magn~~

Variables.

4885								
4886								
4887								
4888	Dm. +40° 4393	20	57.2	+40	43	(1855)	found Nov. or Dec. 1901	J. A. Dunne
4889	Approx pos.	10	32.0	−70	3	(1875)	found on A 5780	Mrs. F.
4890	Dm. −48° 4658	9	19.5	−48	20	(1875)	found on A 5799	Mrs. F.
4891	Approx pos.	12	49.2	−57	13	(1875)	Bo. liner H.B.&H. No. Pec! var. found on A 3584	Mrs. F.
4892	Dm. +43° 4101 (or star near it)	21	53.4	+43	39	(1855)		Mrs. F.
4893								
4894								
4895								
4896	~~Bo. liner H.B.&H. No. Pec~~							
4897								
4898								
4899								
4900								
4901								
4902								
4903								
4904								
4905								
4906								
4907								
4908								
4909								
4910								
4911								
4912								
4913								
4914								

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Count of MP Observations made at Arequipa.

~~Plate & H Object Design. D.A. Doc Mags.~~

From July 10, 1902 to Sept. 29, 1902 (incl.)

			No. Settings
Series a	No. of Obs.	80 × 4	320
" b	"	129 +1?	516
" c	"	134	536
" d	"	132	528
" e	"	80	320
" f	"	136	544
" g	"	94	376
" h	"	150	600
" i	"	130	520
" j	"	120	480
" k	"	110	440
" l	"	90	360
" m	"	98	392
" n	"	96	384
" o	"	90	360
" p	"	98	392
" q	"	84	336
" r	"	100	400
		1951	7,804

At Cambridge in 1901-1902	10,784
Previous to Oct. 1, 1901. (Ann. Rep.).	1032.180
~~1,041,768~~	
	1,051,768

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1899phae..proj..11423

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Plate 8 4 Object Design A.J. Dec. Mag.

4945
4946
4947
4948
4949
4950
4951
4952
4953
4954
4955
4956
4957
4958
4959
4960
4961
4962
4963
4964
4965
4966
4967
4968
4969
4970
4971
4972
4973
4974

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For Annual Report. October 1, 1902 to October 1, 1903

	Last Plate taken in Sept. 1902	Last Plate taken in Sept. 1903	No Plates taken
For 8 inch Draper Telescope.	I 29298	I 30978	1680
" 11 inch Draper Telescope.	C 14020	C 14487	467
" Transit Photometer.	M 4771	M 5066	295
" Cooke Lens.	aC 2853	aC 4020	1167
" Ross Zeiss.	aI 341	aI 1477	1136
" Meteor Camera.			4745
" Long Focus Telescope.			

56008

For 24 inch Bruce Telescope.	a 6174	a 6521 Aug. 21 1903	347
" 8 inch Bache Telescope.	B 30748	32534 " 31, "	1786
" 13 inch Boyden Telescope.	X 10630	10755 Aug. 10 1903	125
" Transit Photometer (Arequipa.)	n	2121 ?	
" Cooke Lens (Arequipa.)	aM 1592	2241 Aug 31, 1903	
" Ross Lens (Arequipa.)	aB 1045 Oct. 21 1902.	1056 Jan. 16, 1903	

55228
56008
111236

No. of plates taken of β Aurigae 7
" " images double
" " plates of ζ Ursae Majoris 22
" " images double
" " plates taken of β Lyrae

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Annual Report Oct 1, 1902 - 1903

~~State | H | Object | Design. | Pl. | Dec. | Magn.~~

Variables.

H975							
H976							
H977							
H978	2.C.	$13^h\ 36.3$	$13^h\ 6.8^m$	−56	18	(1875) See Miss Breslin Note Book 1 page 3	Miss Breslin
H979	Appears Var.	5	44.2	+15	57	(1855) Found on comparing chart plate I 2×340 or I 20057	Mrs. Fleming
H980	~~C. P.D. −35°7270~~	~~17~~	~~09.9~~	~~−35~~	~~39.1~~	~~(1875) See Miss's Note Book 3 page 62~~ Comparison by Pickering in 1899	~~E.C.W.~~
H981	D.M. +28°3055	18	35.8	+28	40.9	(1855) Mc. on I 30846	Miss. Fleming
H982	A.G.C. 18352	13	24.6	−17	3	(1900) Old comparison star for a Apodis suspected long ago - measured in 1903 proved to be var.	Mrs. Fleming
H983	D.M. +46° 1271	7	17.6	+46	15	(1855) Found long ago on I 2324 or I 2411 but not confirmed until lately. Also found by Prof. Pickering with Meridian Phot.	Mrs. Fleming
H984	Type V						
H985							
H986	Not any.						
H987							
H988							
H989	Gas. Net.						
H990							
H991	Not any.						
H992							
H993							
H994	Peculiar.						
H995							
H996	Not any.						
H997							
H998							
H999							
5000							
5001							
5002							
5003							
5004							

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Annual Report Oct. 1, 1902 – 1903.

M. P. Observation in Arequipa.

Series	No. Obs.	No. Settings.
s	68	272
t	76	304
u	116	464
v	86	344
w	128	512
x	138	552
y	116	464
z	90	360
a (2)	104	416
b (2)	168	672
c (2)	144	576
d (2)	148	592
e (2)	146	584
f (2)	136	544
g (2)	152	608
h (2)	152	608
i (2)	114	456
j (2)	132	528
k (2)	128	512
m (2)	31	124

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1899phae.proj.1142P

Plate V K Object Design. R.A. Dec. Magn.

5005
5006
5007
5008
5009
5010
5011
5012
5013
5014
5015
5016
5017
5018
5019
5020
5021
5022
5023
5024
5025
5026
5027
5028
5029
5030
5031
5032
5033
5034

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1899phae.proj.11422

For Annual Report Oct. 1 1903 – Oct. 1, 1904

Variables

D.M. −16° 5558	20	10.8	−16 18	(1855)	Found on I 30934 Mlc. Oct. 1903		Mrs. F.
D.M. −18° 3640	13	28.6	−18 51	(1855)	Found Feb. 1904 on superposition of plates B 23398 & 21851		Mrs. F.
D.M. +58° 1346	11	N8.9	+58 N0	(1855)	Mld found on Sp pl. I 31549 March 1904		Ms. King
D.M. +N2° 1571	6	24.4	+N2 36	(1855)	Type IV Var. found March 1904 on I 31463	Do not time – see IV Type list on next page.	Mrs. F.
C.D.M. −N5° 11383	17	9.8	−N5 50	(1875)	Type IV var. See L.D.W.'s Note Book 3 page 81		L.D.W.
C.D.M. −50° 12918	20	11.1	−50 13	(1875)	Type IV var. see L.D.W.'s Note Book 3 page 76		L.D.W.
Approx position	7	N0.4	+5 50	(1856)	See L.D.W.'s Note Book 3 page 68		L.D.W.
Approx position	6	1.6	+N3 11	(1858)	Mld found on I 31457 March 1904		Mrs. F.
Approx position	14	N1.7	−N1 59	(1875)	slightly preceding & North of C.D.M. −41°9189 Mld found March 1904 on A 6426		Mrs. F.
D.M. +58° 1615	12	33.7	+56 38	(1855)	Mcsd See Circular No. 80		Miss Espin
Approx position	21	15.9	−41 13	(1875)	Mld found April 1904 on A 6481		Mrs. F.
D.M. +7° 3404	17	27.6	+7 21	(1855)	Algol applied 1904 super position of A.C. 2728 & A.C. N826		Mrs. F.
The var. is the following of two close stars less than 0.1" apart. One or both C.D.M. −31° 16579	19	11.8	−31 57	(1855)	Mld found March 1904 on A 6486		Mrs. F.
D.M. +N° 919	5	22.7	+N 5	(1855)	K5 Mld. Poss. found June 1904 on B 20484	Not to be counted yet (until meas)	Mrs. F.
~~D.M. +15° 11192~~	~~20~~	~~22.5~~	~~+15 47~~	~~(1855)~~	~~Mlc found on I 31493 Dec. 1903~~		~~Mrs. F.~~
Z.C. 13h 717	13	11.6	−73 N7	(1875)	Type II found to be var. chart plate – time 1904 Note Book 3 page 93 See C.P.D. −73° 1134	See L.D.W.'s note there. Means that a star was suspected of var. At time C.P.D. was made	L.D.W.

Type V

Approx pos.	22	11.2	+54 5N	(1855)	Found on I 31302 in Jan. 1904		Mrs. F.

H B Bright

A.G.C. 13925	10	8.3	−57 3N	(1900)	Found Nov. 1903 on B 31795 Confirmed on B 31382 B 31572 B 31435 B 31521		Mrs. F.
A.G.C. 11024	8	11.7	−46 10	(1900)	Found on X 10089 See Miss Cannon's Note Book X page 63		Miss Cannon

Gas. Neb.

Approx pos.	9	35.2	−59 31	(1875)	See B 31795		Mrs. F.
Approx pos.	22	18.1	+50 14	(1855)	Found on I 31302 Jan. 1904		Mrs. F.

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1899phae.proj.1142P

1 or. Annual Report. Oct. 1 1903 to Oct 1 1904 (Continued)

~~Plate No. H Object Design. R.A. Dec. Magn.~~

5085
5086
5087
5088
5089
5040
5041
5042
5043
5044
5045
5046
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5061
5062
5063
5064
5065
5066
5063
5064

Type IV

DM. +42° 1571 6 24.4 +42° 36.5 (1855) Found on I 31463 March 1904 Also Var. Mrs. F.

DM. +50° 1603 8 53.0 +50 39.1 (1855) Type IX? Pec? Found May 1904 on I 31601 Mrs. F.

DM. −2° 3939 14 56.5 −2 17.1 (1856) Type III. Pec Found April 1904 on I 31573 Mrs. F.

Peculiar

~~Whether best left whether it shew until I have hot. V~~

Approx pos. 18 31.9 − 31 48 (1875) Pec. Dark bands. Found on A 6463 March 1904 Mrs. F.

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1899phae.proj.11422

For Annual Report. Oct. 1. 1903 – Oct. 1. 1904.

	Last plate taken in Sept. 1903	Last Plate taken in Sept. 1904.	No. Plates taken
For 8 inch Draper Telescope.	I 30978	I 32094	1116
" 11 inch Draper Telescope.	C 14487	C 15030	543
" Transit Photometer	M 5066	M 5652	586
" Cooke Lens.	aC 4020	aC 5310	1290
" Ross Zeiss	aJ 1477	aJ 2802	1325
" Meteor Camera			4860
" Long Focus Telescope.			

For 24 inch Bruce Telescope.	A 6587	A 6981	394
" 8 inch Bache Telescope.	B 32647	B 35004 (Sept. 21)	2357
" 13 inch Boyden Telescope.	K 10768	K 10881 (June 16)	113
" Transit Photometer (Arequipa)	N		390
" Cooke Lens (Arequipa)	aM 2298	aM 3098	800
" Ross Lens (Arequipa)	aB	aB	10

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	Plate	V	H	Object	Design.	R.A.	Dec.	Magn.
5065								
5066								
5067								
5068								
5069								
5070								
5071								
5072								
5073								
5074								
5075								
5076								
5077								
5078								
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5085								
5086								
5087								
5088								
5089								
5090								
5091								
5092								
5093								
5094								

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For Annual Report Oct 1, 1904 – Oct 1, 1905.

	Last plate taken in Sept. 1904	Last Plate taken in Sept. 1905	No Plates taken
For 8 inch Draper Telescope	I 32094	I 33427	1333
" 11 inch Draper Telescope	C 15030	C 16031	1001
" Transit Photometer	M 5652	M 6250	598
" Cooke Lens	AC 5310	AC 6757	1447
" Ross Zeiss	AI 2802	AI 4220	1418
		66685	5797
" Meteor Camera			4215
" Long Focus Telescope			1582

For 24 inch Bruce Telescope.	A 6981	A 7504	523
" 8 inch Bache Telescope.	B 35004	B 37036	2032
" 13 inch Boyden Telescope	X 10881	X 11093 (Aug. 19, '05)	
" Transit Photometer (Arequipa)	N 2838	N 3397	559
" Cooke Lens (Arequipa)	AM 3098	AM 3921	823
" Ross Lens Arequipa	AB 1066	AB 1083	17

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1899phae.proj.1142P

Lick Annual Report Oct. 1 1904 - Oct. 1 1905
Continued

~~Plate & H Object Design. R.A. Dec. Magn.~~

Peculiar.

5095								
5096								
5097								
5098	H.P. 3909	22	2.1	+61 48	(1900)	Pec. Found on C 15063 Oct. 1904		Mrs. F.
5099	H.P. 3929	22	8.1	+58 56	(1900) 5.3	Marked "Br. line" on C 15071 Oct. 1904 by Mr. King Classified as Pec. same sp. as Lippincott by Prof. Pickering		
5100	DM. +39° 4368	20	51.6	+39 55	(1900) 7.2	Continuous spectrum Found on C 14956 Oct. 1904		Mrs. F.
5101	Approx. pos.	9	2.2	+21 58	(1900)	Pec. Found on I 32498 Jan. 1905		Mrs. F.
5102	C.D.M. -48° 313	1	10.2	-48 47	(1900)	Pec. Dark band between λ 4670 & 4680 Found on A 6938 Jan. 1905		Mrs. F.
5103	D.M. +20° 5071	21	59.7	+20 34	(1900)	Pec. Found on I 32282 Nov. 1904		Mrs. F.
5104	Approx pos.	17	53.2	+64 9	(1900)	Pec. Dark bands. Found on I 32499		Mrs. F.
5105	D.M. +46° 3133	20	56.4	+47 8	(1900)	Br. line superposed on dark. C 15177 Nov. 1904		Mr. King
5106		0	7.6	+71 5	(1900)	Br. lines Found on I 32399 Jan. 1905		Mrs. F.
5107								
5108								
5109								

Hydrogen lines bright

5110								
5111								
5112	D.M. +58° 804	4	57.4	+58 50	(1900)	Found on C 15374 & C 15377 Jan. & Feb. 1905		Mrs. F.
5113	D.M. -22° 2684	9	36.7	-23 8	(1900)	Found on C 15813 April 1905 H β Br. on broad dark band		Mrs. F.
5114	D.M. -22° 1874	7	22.8	-22 53	(1900)	Marked "Pec." April 4 1905 by Mr. King on C 15655. Marked "H β & two other br. lines between H β & H ε" by Mrs. F. on same plate April 20 1905		Mr. King Mrs. F.
5115								
5116								
5117								

Gas. neb.

5118								
5119								
5120	Mean pos.	21	28.7	+44 10	(1900)	Found on I 32376 Jan. 1905 Confirmed on I 32738 Compared with chart plate & proved to be Gas. neb.		Mrs. F.
5121	Approx pos.	1	50.2	+62 49	(1900)	Found on I 32414 Dec. 1904 Apparently the following & southern of two faint objects with chart pl. I 30017 Comp. & assumed to be Gas. neb."		Mrs. F.
5122								
5123								
5124								

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5 Ann. Annual Report. Oct. 1 1904 - Oct. 1 1905 (Continued)

Type V

Approx pos.	19	57.8	+32	18	(1900)	Found on spectrum plate I 32870 Confirmed on I 19033 & I 15213 Compared with ch. pl. I 27639 + found to be ~~Type V~~ Type V		Mrs. F.
Approx pos.	20	24.7	+38	17	(1900)	Found on I 33[illegible]2 Sept. 1905 Compared with ch. pl. I 16259 & proved to be Type V		Mrs. F.
~~Approx pos.~~	~~1~~	~~02.4~~	~~+57~~	~~09~~	(1900)	~~Type V on I 33435 Oct. 1905 I 29047 Comp. with ch. plate I found to be Type V~~		Mrs. F.

This will be in next years Report.

Type IV

Dm. +22° 4508	21	51.7	+22	24	(1900)	Type IV Also var. I 32238 Found Nov. 1904		Mrs. F.
Dm. +34° 4074	23	33.8	+35 -34	13	(1900)	Type IV Nc Found on I 32383 Dec. 1904 Also Var.		Mrs. F.

H B Wright

H.P. 3764	21	17.3	+64	27	5.3 mags.	(1900)	Found on C 15079 Nov. 1904	Mrs. F.
Dm. +54° 3103	23	58.3	+54	60	7.9	(1900)	4 line br. two strong absorption bands H δ, H ε and H 5 75 Hε + hydrogen lines narrow I 5084 Found on Oct. 24 1904	Mrs. F.
H.P. 1196	6	16.8	−11	44	5.3	(1900)	Marked Oct. 21 1904 by Mr. King & then "H & K" Br. line on C 15086 closer first by Mrs. F.	Mrs. King Mrs. F.

For variables see next page —

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1st Annual Report. Oct. 1 1904 - Oct. 1 1905

(Continued from page 35)

~~Plate & H Object Design. R.A. Dec. Magn.~~

Variables

	5125											
	5126											
	5127											
1	5128	Apprx pos.	18	16.7	+31	H1		(1900)	Md	Found Oct. 1904 on I 32181 10 chart plates var. of about 1.0 magn. (Book 15 p. 65)		Mrs. F.
	5129	Apprx pos.	19	8.5	-19	0		(1900)		Found Nov. 1904 See Miss Breslin Note Book 1 Page 4		Miss Breslin
	5130	~~Apprx pos.~~	~~20~~	~~21.9~~	~~+25~~	~~54~~		(1900)	Me.	~~Found Nov. 1904 on I 32239 25 ch. plate show var of about 0.6 magn (Book 13 p. 164)~~		Mrs. F.
2	5131	Dm. +49° 3225	20	9.8	+49	9	8.7	(1900)	Mesd	Found Nov. 1904 on I 32311 15 ch. plates show var. of about a magn. (Book 13 p. 165)		Mrs. F.
~~2~~	5132	Dm. +~~49~~° N920	22	N5.4	+10	30	9.1	(1900)	Mesd on I 32313	Found Nov. 1904 13 chart plates show var. of about 1/5 magn. (Book 13 p. 166)		Mrs. F.
~~3~~	5133	Apprx pos.	N	32.5	+8	9		(1900)	Md	on I 32390 Found Dec. 1904 N ch. plates show variation of about .3 magn. (Book 13 p. 169)		Miss F.
4	5134	C.P.D. -57° 400	2	2.2	-57	37	9.2	(1900)	Md? on A 6930	Found Jan. 1905 6 ch. plates show var. of about 2.5 magns. (Book 13 p. 173)		Miss F.
	5135	Dm. +49° N1	0	12.2	+49	NN	9.0	(1900)	Known as Type IV	Found to be variable Dec. 1904 see I 32390 16 ch. plates show var. of about 1.5 magn. Book 13 p. 174		Mrs. F.
5	5136	Apprx pos.	0	N.3	+51	0		(1900)	Md on I 32386	Found Dec. 1904 5 ch. plates show var. of 2.5 magn. (Book 13 p. 175)		Mrs. F.
	5137	Dm. +22° N508	21	51.7	+22	2N	8.1	(1900)	Type IV var.	Found Nov. 1904 on I 32298 8 ch. plates show var. of about 1.5 magn Book 13 p. 185.		Mrs. F.
6	5138	CDM. -25° 16142	22	N6.7	-25	N9	9.5	(1900)	Me on A 6919	Found Jan. 1905 25 ch. plate show var. of about 0.8 magn. Book 13 p. 190		Mrs. F.
	5139	Apprx pos.	12	57.N	+5	N3		(1900)	This star precedes it is slightly to south of N.P. Virginis	Found March 1905 on ch. plates see Book 13 p. 192		Mrs. F.
7	5140	Apprx pos.	12	3N.N	+59	2/		(1900)	Md on I 32992	Found April 1905 10 ch. plate show var. of about 2.3 magn. see Book 13 p. 199		Mrs. F.
	5141	Apprx pos.	10	29.9	+0	11		(1900)		Found May 1905 on ch. plate I 32642 and I 32454 See Bruce Book 3 p. 67		Miss Leland
8	5142	C.P.D. -59° 233	2	N8.1	-59	28	9.1	(1900)	Mesd on A 6931	Found Jan. 1905		Mrs. F.
9	5143	Dm. +5N° 1925	17	55.6	+5N	N1	7.5	(1900)	Md? on I 32998	April 1905. variation of 0.5 magn on chart plates exam. see Book 17 p. 25		Mrs. F.
/	5144	Nova Aquilae No. 2	18	57	-	N.6		(1900)		Found on C Aquilae plate		Mrs. F.
10	5145	Dm. -6° 3269	11	N7.5	-	7	9.2	(1900)	Mesd on I 33091	Found June 1905 22 ch. plates show var. of about 1.0 magn See Book 17 page 52		Mrs. F.
	5146	Dm. +3N° N974	23	33.8	+35	N3	9.1	(1900)	Type IV Var	Found on I 32383 Dec. 1904 6 ch. plates show var.		Mrs. F.
11	5147	Apprx pos.	15	N5.2	+36	35		(1900)	Md 6 on I 33082 Md 8? on I 33035	Found May 29 1905 Found June 1905 12 ch. chart plates show var. of about .3 magnitude see Book 17 page 208		Mrs. F.
	5148	Dm. +42° N827	23	59.5	+	N3	00	(1900)	Known Type IV Suspected of Var.	Eye estimates on I 33223 and I 33224 Suspected by Mrs. F.		M.
12	5149	Dm. +12° N228	20	2.3	+	12	39	8.8 (1900)	Md on I 33226	Found Sept. 1905 4 chart plates confirms var. note on cover I 33226		Mrs. F.
~~13~~	5150			3		+27				Algol. Var.		F.
	5151											
	5152											
	5153											
	5154											

Not to be announced until 1906

There are 2 stars about 0.1m apart in R.A. and less than 1' apart in Dec. either of which might be identified as +48° N920 the one preceding a south is the var

Do not count twice - See II Type list on preceding page

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For Annual Report. Oct. 1. 1904 - Oct. 1. 1905.

(Continued.)

On Jan. 18. 1905. Mrs. Fleming found that R Cygni was Type IV on I 32398 which was taken on Dec. 7, 1904. The spectrum was formerly classified on Nov. 19. 1890 as Md on I 2286; Also Md on I 11229 taken July 1, 1894..

R Cygni = DM. +49°3064 19^h $34^m.1$ +49° 58' (1900)

No. Obs. M. P. Southern Station to Oct. 1. 1905.

	No. Stars	No. Settings.
		1.051.768
1902	1952	7808
1903	2413	9652
1904	1410	5640
1905	2604	10416
	8,379	1,085,284

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Plate # H Object Design. RA Dec. Magn.

Spectra of Stars found from Plates during 1904–5.

	Name	R.A. h m	Dec.	Sp.	
5155					
5156					
5157					
5158	X Androm.	0 10.8	+46° 27′	Mc. Md1	I 32251, 32283.
5159	Y Androm.	1 33.7	+38 50	Md	I 32278.
5160	S Arietis	1 59.3	+12 3	Md4	I 32544
5161	X Ceti	3 14.3	−1 26	Mb	I 32252
5162	X Camelopard.	4 32.6	+74 56	Md6. Md	I 32385, 32466.
5163	R Orionis	4 53.6	+7 59	Md?. Md+5?	I 32289, 32386.
5164	V Camelopard.	5 49.4	+74 30	Md. Md6	I 32254
5165	Z Aurigae	5 53.7	+53 18	Mb	I 32983
5166	X Aurigae	6 4.4	+50 14	Md3. Md4	I 32859
5167	X Geminorum	6 40.7	+30 23	Mb5c, Md5	I 32370, 32475.
5168	V Geminorum	7 17.6	+13 17	Md5	I 32391
5169	U Can. Min	7 35.9	+8 37	Mb	I 32373, 32293
5170	X Urs. Maj	8 33.9	+50 29	Md	I 32374
5171	Y Draconis	9 31.1	+78 18	Md6	I 32387.
5172	R Leo. Min	9 39.6	+34 58	Md9	I 32388, 32392.
5173	W Leonis	10 48.4	+14 15	Md7, Md5	I 32961, 32985
5174	T Can. Venat	12 25.2	+32 3	Mc	I 32963, 33047
5175	T Urs. Min.	13 32.6	+73 56	Md6	I 33034, 33083
5176	W Coronae	16 11.9	+38 1	Md4	I 33057.
5177	W Lyrae	18 11.5	+36 38	Md	I 32161
5178	R W Lyrae	18 42.2	+43 32	Md	I 32263
5179	U X Cygni	20 50.9	+30 2	Md	I 32260, 32272
5180	R R Pegasi	21 40.0	+24 33	Md, Md4	I 32238, 32366
5181	W Ceti	23 57.0	−15 14	Md	I 32250
5182					
5183					
5184					

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Plate V H Object. Design. R.A. Dec. Magn.

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For Annual Report: Oct. 1. 1905 – Oct. 1. 1906

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For Annual Report Oct. 1, 1905 – Oct. 1, 1906.

Plate | Known Variable | Design. | R.A. | Dec. | Magn.

Spectra of Stars found from Plates during 1905–1906

	Name	R.A. 1900 h m	Dec.	Sp.	Plates.
5215					
5216					
5217					
5218	Name	R.A. 1900 h m	Dec.	Sp.	Plates.
5219	RR Androm. ✓	0 45.9	+33° 50′	Md5, Md4, Md3 ✓	I 33566, I 33550, I 33709
5220	W Tauri	4 22.2	+15 49	Mb	I 33567.
5221	S Lyncis ✓	6 35.9	+58 0	Md8 ✓	I 32984
5222	S Ves. Min ✓	15 33.4	+78 58	Md7 ✓	I 33601 ✓ (Already this Star in mc5d)
5223	T Cygni	19 13.4	+50 0	Mc	I 33542
5224	RU Cygni ✓	19 43.3	+48 49	Md6 ✓	I 33573
5225	S V Cygni	20 6.5	+47 35	Na	I 33602
5226	~~RS Cygni~~	~~20 9.8~~	~~+38 28~~	~~Pec.~~	
5227	R Equulei ✓	21 8.4	+12 23	Md5 ✓	I 33571.
5228	RR Aquarii ✓	21 9.8	−3 19	Md4 ✓	I 33420
5229	T Pegasi ✓	22 4.0	+12 3	Md9 ✓	I 33572
5230	RS Pegasi ✓	22 7.4	+14 4	Md6, Md8 ✓, Md8	I 33572, I 33641, I 33544
5231	U Draconis ✓	19 9.9	+67 7.	Md ? Md III var. (Md6 var.)	I 33685 I 34173
5232	~~RS Pgasi~~ 2				
5233	Z Cassiopeiae ✓	23 39.7	+56 2	Md7 ✓	I 33701
5234	Z Cygni ✓	19 58.6	+49 46	Md6	I 33706
5235	〃			Pec.	I 33835
5236					
5237					
5238	~~R Ves. Min.~~	~~9~~	~~+34~~	~~Md7~~	~~I 33760~~
5239	~~U Draconis~~	~~19 9.9~~	~~+67 7.~~	~~Md6 var.~~	~~I 33544~~
5240	~~R Trianguli~~	~~2~~	~~+33~~	~~Md4 var.~~	~~I 33831~~
5241	V Andromedae ✓	0 44.6	+35 6	Md4	I 33818
5242					
5243					
5244					

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1899phae.proj.11421

For Annual Report Oct. 1, 1905 – Oct. 1, 1906

Cambridge

	Last Plate taken Sept. 1905	Last Plate taken Sept. 1906	
For 8-inch Draper Telescope	I 33427 –	I 34275.	848
11-inch ~~Draper~~ Telescope	C 16031 –	C 16679.	648
Transit Photometer	M 6250 –	M 6772.	522
Cooke Lens	AC. 6757 –	AC 7865.	1108
Ross Zeiss	AD 4220 –	AD 5309.	1089
Meteor camera			4215
Long Focus Telescope			
8-inch Bache Telescope			

Arequipa.

For 24-inch Bruce Telescope	A 7504 –	3	
~~8-inch Bache Telescope~~	—	37036	
13-inch Boyden Telescope	X 11093 –	11418	325
Transit Photometer (Arc	N ~~4444~~ 3397		
Cooke Lens	AM 3921		
Ross Lens.	AB 1083		

King ~~Diffr~~. Colorado. Metcalf.

V Andromedae (Md 4) R R Andromedae (Md 5) S Lyncis (Md 8). S Ursae Minoris (Md 7)
U Draconis (Md 6) T U Cygni (Md 6) Z Cygni (Md 6)
R Equulei (Md 5) R R Aquilae (Md 4). T Pegasi (Md 9)
R S Pegasi (Md 9) ~~Z~~ Cassiop (Md 7)

W Tauri (Mb) T Z Cygni (Mc).

Type IV S S Cygni (Na). Same as U Hydrae

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2nd Annual Report Oct. 1 1905 to Oct. 1 1906

~~Plate V. H. Object Design. R.A. Dec. Magn.~~

Variables

	1900 position							
52746	Approx. pos.	20	14.7	+34	03	Mid on I 33361 I 33362	Found Nov. 1905 Chart plates show that star is var.	see Book 17 page 76	Mrs. F.
52747	Approx. pos.	19	15.0	+17	02	Mid? on I 33360	found Nov. 1905 chart plates show that star is var.	see Book 17 page 61	Mrs. F.
52748	Following & Northern of two close stars	22	1.5	+33	2 X	Mid on I 33776	found Jan. 1906 on chart plates show that star is var.		Mrs. F.
52749	Preceding & Southern of two close stars	22	1.5	+33	2 X	Found on chart plates			Mrs. F.
52750	Approx. pos.	19	15.4	+17	5	Found on comparing chart pl. I 25273 with I 30220	Feb. 1906	see Miss Breslin Note Book 1 page 6	Miss Breslin
52751	(CPD. -39° 13207?)	19	10.5	-39	47	Superposed on star	see Vol. 47 Remarks.		Mrs. F.
52752	CPD -64° 1475	10	42.5 *	-65	5	Known Type IV New var.	found March 1906	See Book 17 page 84	Mrs. F.
52753	DM +66° 780	12	52.5 ‡	+66	32	Known Type IV New var.	found on I 33878 March 1906 8 chart plates show var. of about 2.0 magn.	see Book 17 page 86	Mrs. F.
52754	CDM -30° 16169	18	39.7	-30	36	mags. 8.8 Algol var.	found on A.M. 3695 April 1906		Mrs. F.
52755	Approx. pos.	1H	22.4	-0	25 6	var. found	on A.M. 4243 Sept. 1906	see Book 17 p. 126	Mrs. F.
52756	DM. +32° 2489	1H	29.2 3	+32	11	var. found	on A.M. 4254 Sept. 1906	see Book. 17 p. 125	Mrs. F.
52757	Approx. pos.	19	51.9	-9	37	var. found on chart plates	I 34259 I 21170	see Book 18 page 17	Mrs. F.
52758	Approx. pos.	1	10.4	+41	12	Mid found on I 33809	Feb. 1906	see cover I 33809	Mrs. F.
52759	Approx. pos.	13	52.2	+29	32	Mid? found on I 32971	March 1906 chart plate confirm var.	see cover I 32971	Mrs. F.
52760	Approx. pos.	1H	52.3	-54	33	Mid? on B 36267	found August 1906	see cover B 36267	Mrs. F.
52761	Approx pos.	13	13.2	-60	15	Mid? on B 36266	found Aug. 1906	see cover B 36266	Mrs. F.
52762	DM +15° 4172	20	24.6	+15	56	Mid found on I 31193	Dec. 1903 but var. confirmed on I 33878 July 1906	see cover	Mrs. F.
52763	Faint star found following & South DM. +15° 4172	20	24.6	+15	56	Probable found when selecting sequence for DM. +15° 4172	in the Spring of 1906	Further star was unsuc.	Mrs. F.
52764									
52765	Fleming 17								
52766	Breslin 1								
52767									
52768									
52769									
52770									
52771									
52772									
52773									
52774									

Miss Cannon has R.A. 12 52.5

A

Miss Cannon has R.A. 2H 29.2

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For Annual Report. Oct. 1 1905 to Oct. 1 1906

H B Cl.

H.A. for 1900 is 20 h 5.8 m in Draper cat. or in H.P. catalogue	Dm +36° 3907	20 5.7	+36 33	(1900)	5.5 magn.	Found on C 15827 15877 15878 16163 16173	Mrs. F.
Dec. for 1900 is +11° 4' in Draper or H.P. catalogues	Dm +11° 4784	22 16.6	+11 42.4	(1900)	5.5	Found on C 16150 Nov. 1905	Mrs. F.
	Dm +1° 1005	5 19.6	+1 45	(1900)	5.0	Found on C 16130 Nov. 1905	Mrs. F.
Dec. for 1900 is +47° 26' in Draper or H.P. catalogues	Dm +47° 939	21 1.4	+47 28.8	(1900)	4.5	Found on C 16052 Oct. 1905 "H B Cl. & Neb. lines double"	Mrs. F.
H.A. for 1900 is 13 20.7 in A.G.C.	CPD -62° 3270 A.G.C. -18274	13 20.7	-62 8.8	(1900)		Found on B 35759 March 1906	Mrs. F.
H.A. for 1900 is 17 8.7 in A.G.C.	C Dm -33 11875 A.G.C. -23337	17 8.7	-33 26.8	(1900)		Found on X 11001 X 11007 Feb. 1906	Mrs. F.
H.A. for 1900 is 12 38.4 Dec. for 1900 is -62 30 in A.G.C.	A.G.C. 17296	12 ~~38.9~~ 37.0	-62 ~~30~~ 31.1	(1900)	6.1	Found Sept. 1906 on X 11195 Spect. Rec. H B Cl. & double line; Pipe brighter on edge nearer 12 Superposed on other lines	Mrs. F.

7

Type V

Approx. pos.	1	32.4	+37 39	(1900)		Type V on I 33435 Comp. with Chart pl. I 29647 & proved to be Type V. Found Oct. 1905	Mrs. F.
Dm +37° 2683	23	10~~8~~.9	+37 ~~55~~ 54	(1900)		Found on I 33410 Oct. 1905 Type V confirmed on I 31272 & chart pl. 11902	Mrs. F.
Approx. pos.	19	23.3	+47 9	(1900)		Found on I 33763 Comp. with chart plate & proved to be Type V.	Mrs. F.

Also additional stars in Large Magellanic Cloud.

3+

Gas. neb.

This Gas. neb may be Dm +46° 1067 in error of 3' in dec. where is a faint star 3' more nearly in the place given for Dm +46° 1067. This neb. is much fainter than the neb.

	5 490	H 5.6 ~~48.9~~	+46 ° 5	6	(1900)	Found on I 32859 Jan 1906 with chart plate & proved to be Gas. neb.	Mrs. F.
Approx. pos.	13	2.2	-67	6	(1900)	Found on B 35759 March 1906 confirmed on B 19592 (Spect.) & B 3419 (Chart)	Mrs. F.
Approx. pos.	10	56.5	-64	12	(1900)	Found on B 36119 March 1906 Comp. with chart plate & proved to be Gas. neb.	Mrs. F.

3

See Next Page for Stars

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1905 Annual Report - Oct. 1 1905 to Oct. 1 1906

Continued from page 45

~~Plate # Object Design. R.A. Dec. Magn.~~

Type IV

5276								
5276	DM. +53° 3033	22	~~51.9~~ 52.0	+53 41.2	(1900)	9.1 magn.	Type IV No. Found on I 33750 Jan. 1906 Also on I 31046 on I 33705	Mrs. F.
5277	Approx pos.	22	41.8	+54 33	(1900)		Type IV No? Found on I 33750 Jan. 1906 & on I 33705 Dec. 1905	Mrs. F.
5278	DM. +21° 1609	7	23.3	+21 7	(1900)	9.1	Type IV No. Found on I 33713 Dec. 1905	Mrs. F.
5279	Approx. pos.	9	2.2	+21 58	(1900)		Type IV Nd? Found Feb. 1906 on I 32758	Mrs. F.
5280								

4

A mistake. This should not have been counted here, as it was announced in Circ. 98 & so Pec is counted in Annual Report for 1904-5 [illegible] Feb. 27 1907

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Pec

5288	CPD -81° 782	16	59.9	-81	26 (1900)			
		16	58.6	-81	23.4 (1875)	9.6 magn.	Pec. Dark band at 2 1/2 06.7 Found on B 33164 Aug. 1906	Mrs. F.
5289	CPD -81° 787	17	11.5	-81	31 (1900)			
		17	6.1	-81	29.1 (1875)	9.2	Pec. Dark band Found on B 31143 Sept. 1906	Mrs. F.
5290								

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Moving Object.

5297 $9^h\ 38.1^m - 79°\ 58'$ (approx position) found on
5298 a 7588 taken Jan. 30, 1906. by W.H.F.
5299

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For Annual Report Oct 1 1905 – Oct 1 1906
(Continued)

Spectrum similar to that of 3 Puppis

A.G.C. 23073 16 57.2 –37 42 7.1 (1900) Discovered by Dyche N magn. 123 p. 95 or 96 see Astro Nach 123 p. 3 and Astro. Nach 127 p. 3 Found to have spect. similar to 3 Puppis Sept. 1906 on X 11191 Mrs F.

/

Please leave this page for [illegible]

Meteors

Plate	A.I. 42270 ~~Eastman~~	Found Oct. 16 1905	Mrs. F.
Plate	A.I. 4W76	Found Dec. 9 1905	Mrs. F.
"	AC. 7700	Found Aug. 28 1906	Mrs. F.
"	A.M. 4168	Found Sept. 15 1906	Mrs. F.
"	A ~~E~~ PA 3490 ~~5490~~	Found April 7 1906	Mrs F.
"	A M 380N	Found April 10 1906	Mrs. F.
"	A M. 3741	Found April 10 1906	Mrs F.

7

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Plate	ℎ	Object	Design.	R.A.	Dec.	Magn.
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For Annual Report Oct 1. 1906 – Oct. 1 1907

Plate		Object	Design.	R.A.	Dec.	Magn.
5335						
5336						
5337						
5338		~~RR Androm.~~			~~Md 5,~~	~~I 34272~~
5339		~~〃~~			~~Md 2~~	〃
5340		RR Ursa Maj.			Md.?	I 33942
5341						
5342	Probably m'kd in Dec.	RT Herculis	17h		Md 4	I 34165
5343		~~RT Pegasi~~	~~21 59.8~~	~~+34 38~~	~~Md?~~	~~I 34423~~
5344		Z Pegasi	23 55.0	+25 21	Mc	I 34490
5345		S X Cygni	20 11.6	+30.8	Md	I 34121
5346		– Pegasi nm.t	9°5191 23 9.5	+9.8 (1855)	Md	I 34275
5347		V Ophiuchi	16 21	-12.2	Sa Type IV	I 34120
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Transfer to Annual Report B. No. 2.

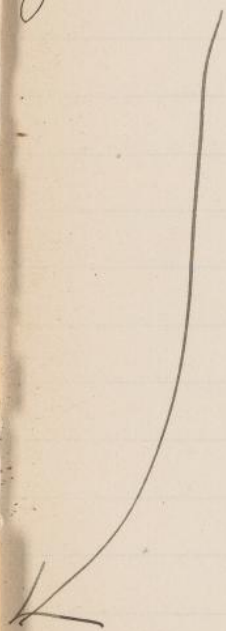
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For Annual Report. Oct 1 1906 - Oct 1 1907

Objects found:

Oct. 6, 1906	Meteor Trail	AI 5292	H.P.F.
Dec. 1 "	AC 8023	Meteor trail.	H.P.F.
Jan. 5, 1907	AM 4581	Bright Meteor.	H.P.F



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	Plate	H	Object	Design.	R.A.	Dec.	Magn.
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Plate	Hr	Object	Design.	R.A.	Dec.	Magn.
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	Plate & No.	Object	Design.	R.A.	Dec.	Magn.
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Plate	H	Object	Design.	R.A.	Dec.	Magn.
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7786						
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Plate	V	H	Object	Design.	R.A.	Dec.	Magn.
7815							
7816							
7817							
7818							
7819							
7820							
7821							
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7843							
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	Plate	♀	♓	Object	Design.	R.A.	Dec.	Magn.
7845								
7846								
7847								
7848								
7849								
7850								
7851								
7852								
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Plate	&	H	Object	Design.	R.A.	Dec.	Magn.
7875							
7876							
7877							
7878							
7879							
7880							
7881							
7882							
7883							
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7887							
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7892							

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Plate & H Object Design. R.A. Dec. Magn.

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Plate 8 H Object Design. R.A. Dec. Magn.

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