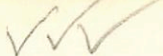


-SW



HW 153747

17

01 25

38

27

7.3 A

+B

7.41 -604 898 +106 2.351 02:40 7 Aug 78

7.43 -603 898 +116 2.361 02:10 8 Aug 78

7.42 -601 899 +102 2.328 02:00 9 Aug 78

7.64 -592 896 +102 2.347 02:15 11 Aug 78

✓ 9
A B
D 0.17
0.18
17" BT

-50	9913	153m/2	17	02	000	-51	03	8.6	-8.4	2.175	2.175	20.54
						8.35	-6.02	745	-649	2.175	2.175	15.84
E	8.57	+0.035	-0.60	9 Aug 74	v	8.37	-6.33	778	-649	2.170	2.174	14.76
	8.36	+0.035	-0.62	12 Aug 74		8.32	-6.18	778	-713	2.174	2.174	23.44
						8.43	-5.57	751	-713	2.183	2.176	76
						8.35	-6.10	768	-706	2.176	2.176	
						8.34	-5.91	775	-541	(2.168)	(2.164)	23.47
W	8.78	+0.05	-0.55	9 Aug 74		8.35	-5.94	753	-557	2.177	2.177	14.54
	8.78	+0.06	-0.57	12 Aug 74		8.78	-6.01	765	-655	2.188	2.188	15.11
						8.77	-6.25	765	-674	4.67	4.67	
						8.78	-6.00	765	-760	2.172	2.172	
						8.78	-6.00	765	-760	2.172	2.172	
10.74		+0.12	-0.35	9 Aug 74		8.35	-5.77	753	-557	2.177	2.177	14.54
10.77		+0.11	-0.37	12 Aug 74		8.78	-6.25	765	-674	4.67	4.67	

2415
 192 ~~1410~~ 1910
 L1273
 87
 429
 L4877
 L4887
 2.287
 Fickens
 Dordt
 3

C 10.67 - 558 812 - 491 2.238
 making

$$\frac{10.66 - 571}{10.66 - 575} \frac{789}{400} \frac{-465}{-480}$$
 2.264
 Trough
 5

10.66 - 575 400 - 480 2.251
 10.66 - 575 400 - 480 2.251
 5.2

D 11.47 - 306 838 - 104 120977
 0 0 0 0 0

11.47 - 306 838 - 104 120977
 133 115 923
 158 937 1247 1469 2.524

E 11.43 - 562 837 + 35 2.408. 171977 495
 109 694 577 804 2.286

11.43 - 562 837 + 35 2.408. 171977 495
 109 694 577 804 2.286

F 11.29 - 586 814 - 336 2.280. 171977

TR ✓

686
386

7.2 daf

✓
✓
1549316

17 07 06 +04 27

732 5906

nitium

154

[C.] 352

7.26 -324 877 -420 12my 77

[M.] 280

7.25 -333 894 -443 2 " "

327
885
432

384 152 491

154
270

0.09 +0.22 37my 77

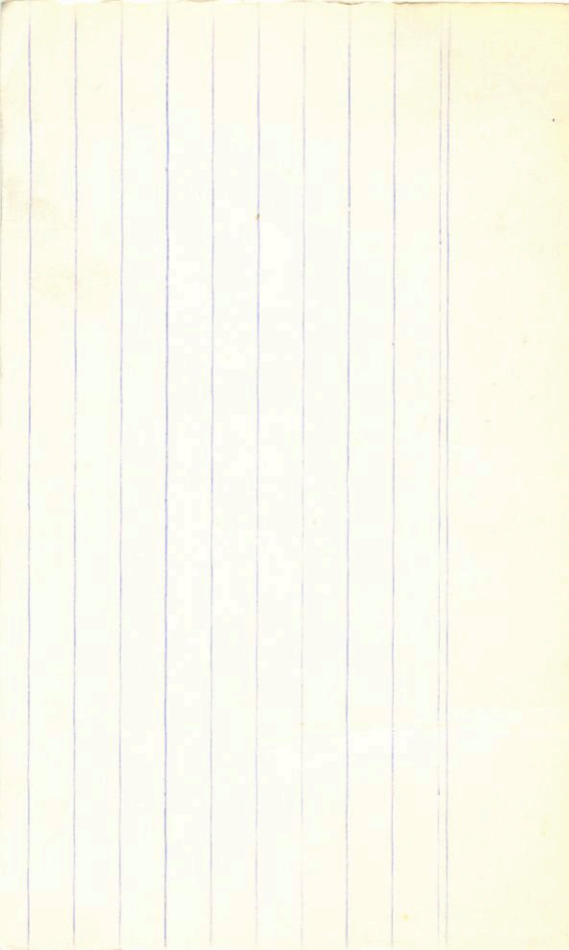
374 167 467

687
3

7.26 385 192
170
193

372 ② 174

152 256 387
→ 7.26 384 169 464 ③



155093

17

08

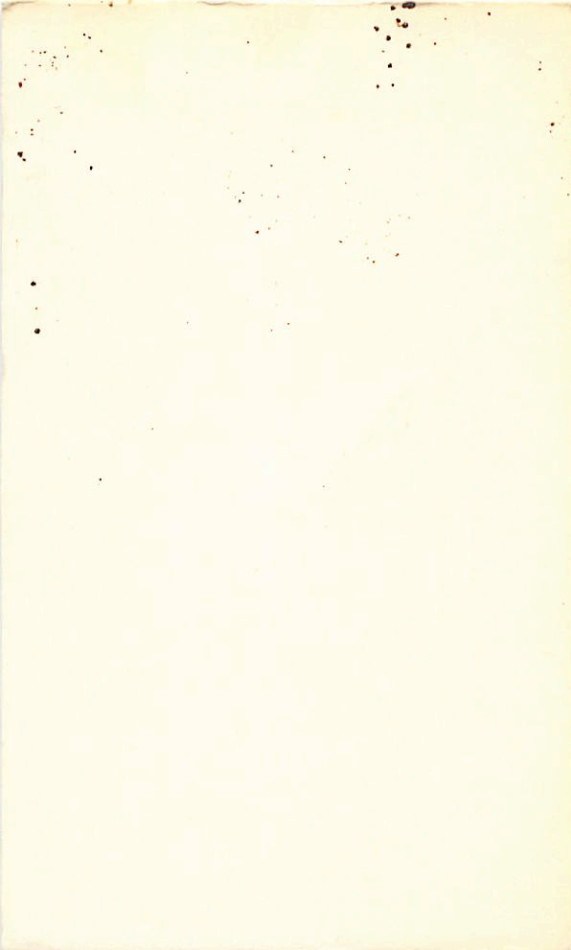
070

414

59

702+130

P. J. J.
Lang



154653

17 0325 +15 15
17 17 +15 22

205000

GL642 (X) (X)

9=-25E-0
(+1)

208-115 101 352 13488

~~208(-115) 957-274 27488~~

~~7.11-188 1032-377 29488~~

~~2.08-122-1034 11488~~

~~704-123 1033-377~~

709-133 1032-384 (2)

5m 5¹¹

156504 - 17 17 10 -23 57 9.3 A

156524 -23 58 10.0 A0

9.37 +0.395 +0.125 5 Aug 74

9.38 +0.405 +0.09 12 Aug 74

9.38 +0.40 -0.105

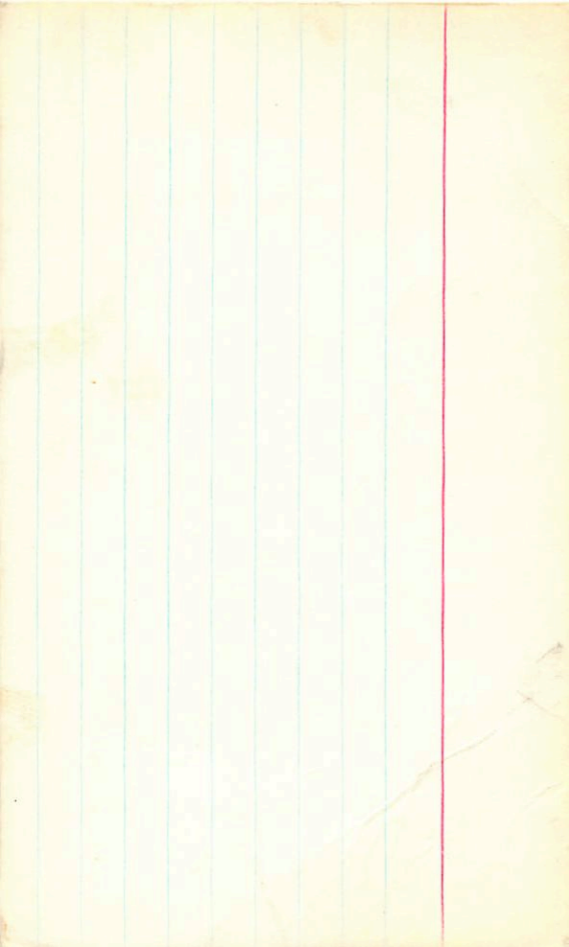
9.32 +0.14 13 Aug 74

9.70 +0.245 +0.20 9 Aug 74

9.72 +0.235 +0.19 12 Aug 74

9.71 +0.24 +0.195

9.82 +0.035 13 Aug 74



Sept 27

247
892

(341)

15555 17 15 10 -66 56 6.8 Oct 7 00 5

(PI) 239

(974)

(-524) 3D

6.75 -225 974 -525 30 July 8 05:00 UT
 6.91 -212 973 -520 28 July 8 00:05 UT
 6.77 -227 977 -524 27 July 8 09:45
 6.76 -204 960 -522 27 July 8 06:15
 6.83 -215 958 -544 27 July 8 05:30
 6.80 -219 970 -519 27 July 8 07:45
 6.75 -224 980 -531 13 July 8 06:05
 6.84 -219 970 -505 14 July 8 07:00



K17

-56° 8' 15.4" / 17 18 84 -56 24 9.16 AD AD

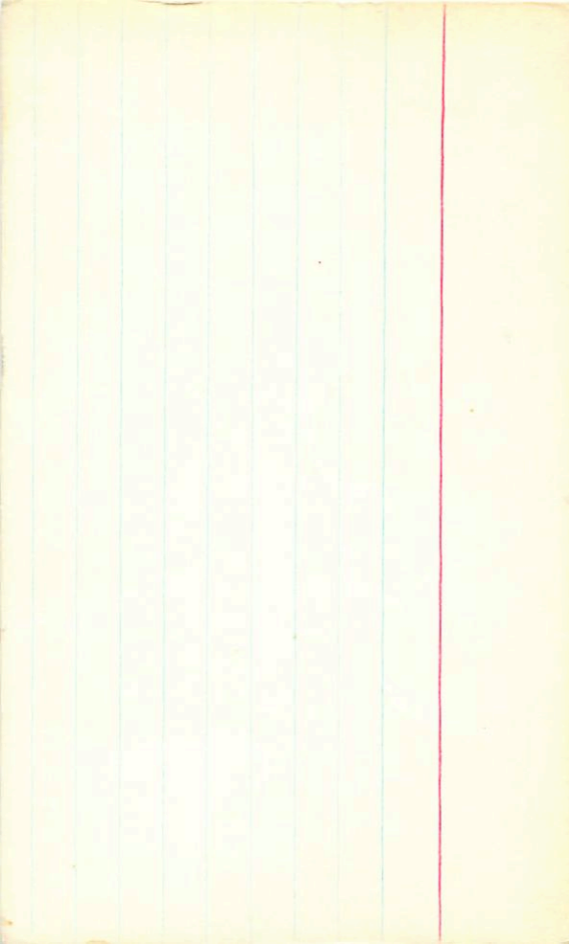
"
0.3
Δm=0

K17

25" 934 AD

AB 9.06 +0.10 +0.125 22 Sept 74

C 9.36 +0.19 +0.105 22 Sept 74



155915 $\frac{1}{4}$

200760-23

17 20 00 -75 19

(X) (X) 240

6.79 + 211 6.79
6.82 + 2.09 17.81
6.50 + 2.10

7.04 - 320 854 - 529 2.109 220g 80

7.04 - 324 853 - 534 2.124 27"

7.04 - 323 852 - 532 2.116 (3)

7.04 - 320 846 - 535 2.114 (2)

7.02 - 318 850 - 538 2.091 (3)

7.03 - 319 848 - 537 2.110 (1)

386 128 874 2.529

(241) (296)

187532

157555

(V)

Sum:

0 is 1 arcsec

167 " " N

17 24 30 -48 34

~~17 24 40 -48 34.8~~ 8.15 10.5

17 24 50 -48 36 9.0 16.5

204 -402 891 -451 2.175 5 Jun 84

701 -396 896 -448 2.175 8 Jun 84

8.86 -233 1025 -525 5 Jun 84

V645 New

17

31

32

+26

27

6.55

TR

6.86 -598 +949 -53 2.332 01:20 7 Aug 78

6.86 -586 ~~946~~ -67 2.334 01:20 8 Aug 78

6.86 -591 944 -52 2323 01:05 9 Aug 78

6.86 -592 946 -57 2.330

102 215 965 2.842

10/15/74

-5808221

AA/FU

A2 AS

17 33 40 -55 37 9.6 -9.8 20"

NE 9.57

9.54

9.55

10.355

10.34

10.341

+0.14

+0.07

+0.105

9 Aug 77

12 Aug 74

9.53 +0.07

9.54 +0.06

9.54 +0.065

11 Aug 74

9.95

9.93

9.94

10.445

10.425

10.435

+0.035

-0.04

0.00

9 Aug 74

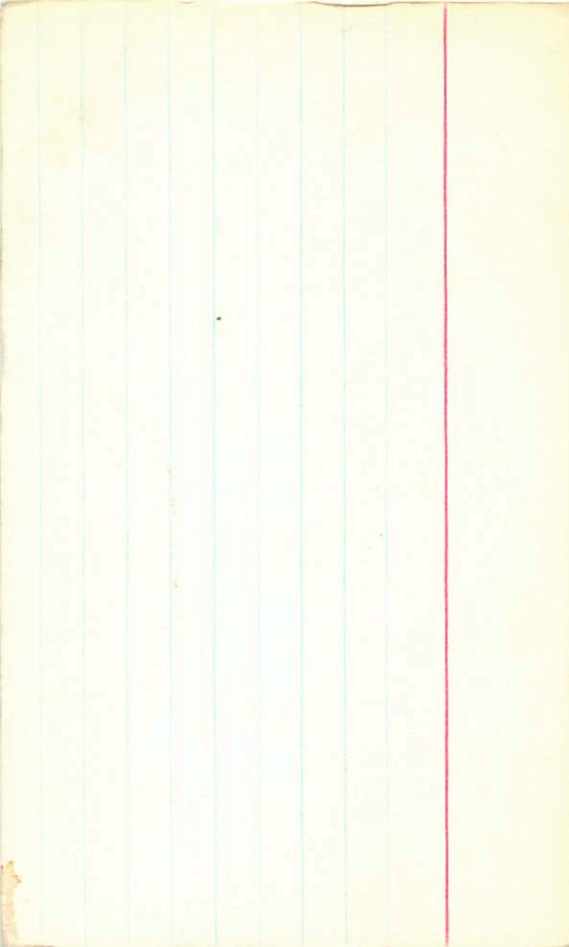
12 Aug 77

9.84 +0.145

9.86 +0.125

9.85 +0.135

11 Aug 74



159379 (1985.5) 17 34 59.6 -33. 25:2802I a
 17 34 40 -33 25 8.52

320/2237

(+) (+)

8.54 +582 815 +398 2220 06:30 8 June 83

8.52 +562 813 +496 2237 03:40 29 July 84

8.49 +561 829 +485 2.221 04:00 30 July 84

~~8.58~~ +591 840 +375 2209 00:20 23 Oct 84

8.59 +541 869 +320 — 08:55 18 Nov 85

8.49 +565 880 +407 2207 05:00 14 Jan 85

(A)

AD

Van (+)

15-9340

17

35 00

-38

05.5

6.93

17

36.8

-38

05.19

(1980)

Hydro

6.97-532-908-1479 2.289 3 June 80
6.96-542-914-483 2.293 5 June 80

(4)

Am Feb 28

V703 SW

17

40

50

-32

31

7.7-8.4

0.115

7.88 -453 +891 -127

2.243 02:50 2My78

7.84 -478 887 -43

2.251 02:20 8My78

7.86 -472 883 -64

2.246 03:15 9 "

7.91 -475 891 -85

2.243 07:20 10 "

7.91 -458 875 -74

2.244 02:35 11 "

20

4.80

16/16/12 17 46 35 -34 00.5 7.10 475

→ 235 + 1 RT 235
 7.09 +0.235 10 May 70
 7.06 +0.22 30 Apr 70 Curve
 7.02 +0.24 4 May 69 0.235

7.18 +0.75 +0.31 7 June 69 6.91 +0.225 30 June 69 10.2

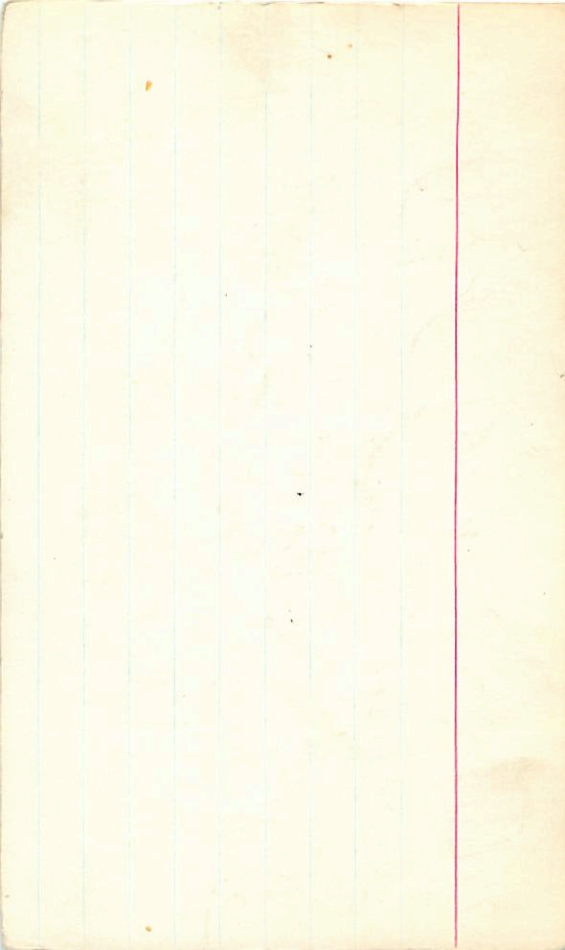
7.22 +0.75 +0.27 2 July 69 7.02 +0.23 (4) 19 May 63

7.20 +0.75 +0.26 7.23 -277 968 -430 2.122 18 June 63

7.23 -275 965 -432 2.122 83

7.22 -277 961 -440 2.121 75 19
 7.23 -276 964 -434 2.122 (3)

235 Curve
 3330



6-183-11 ✓ Mr R F ✓

9-71 + 44-15
16.5

17 53 38 #20



2 RB (X) 11
2.160 28 Apr 76
2.154 20 Apr 76

977 + 0.145 45 Apr 76
9.92 + 0.21 6 " "
979 + 0.19 13 May 76

978 + 0.20 (2)

26 Sept 72

982 - 384 - 488 - 78.9

982 - 374 - 443 - 76.1

983 + 358 741 - 561 23 June 76

985 - 384 770 - 549 24 "

984 - 389 779 - 545 - 515 (4)



G183-11

(DU)

52010927/7

17

54

54

-52

12

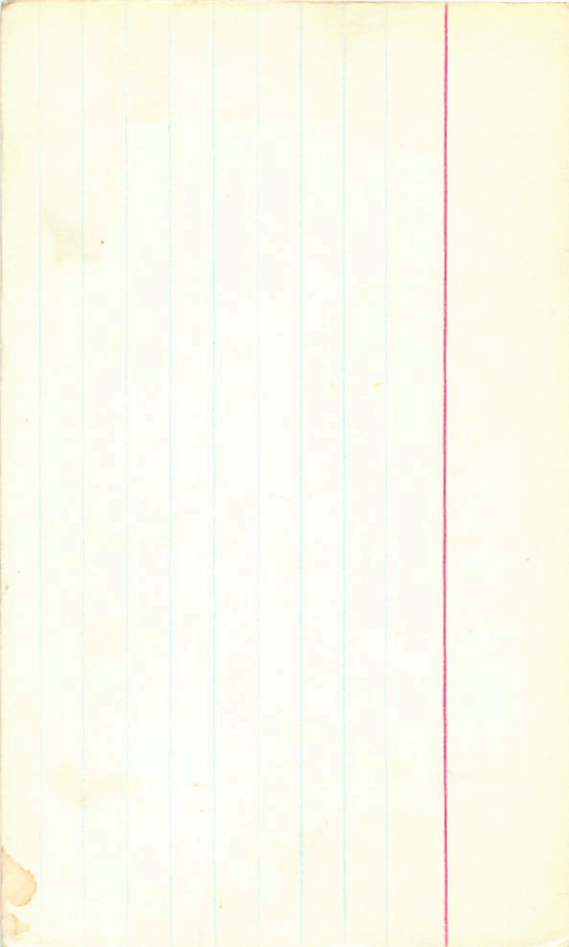
9.9-10.1

17"

AA

970 +0.36 +0.255 9 Aug 74

10.31 +0.34 +0.26 9 Aug 74



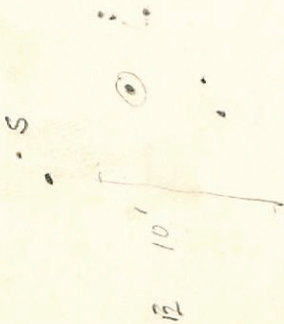
(600 - north)

11.05 - 11.4

V 567 ceph

17 57 20 # 06 0.130
17

11.28	-271	864	-88	2.259	01:35	Aug 28
11.19	-313	824	+103	2.309	01:40	Aug 28
11.38	-276	835	-10	2.259	01:159	" "
11.41	-261	813	+10	2.264	01:3510	" "
11.24	-301	837	+52	2.304	01:40	" "



6.6 0.0000

100
304

✓ 37425

6773 15 07 22 -25 29 6.27 85

264

624 -635 +779 -416

662 -639 +787 -405

664 -630 +779 -406 →

717

702 -627 +759 -376

688 -649 +782 -404

713 -643 +795 -323

-630 776 -400 2.166

667 +637 +411 2.650

576571390 6812

~~2.202~~ 18 Aug 75
2.159 19 Aug 75

or

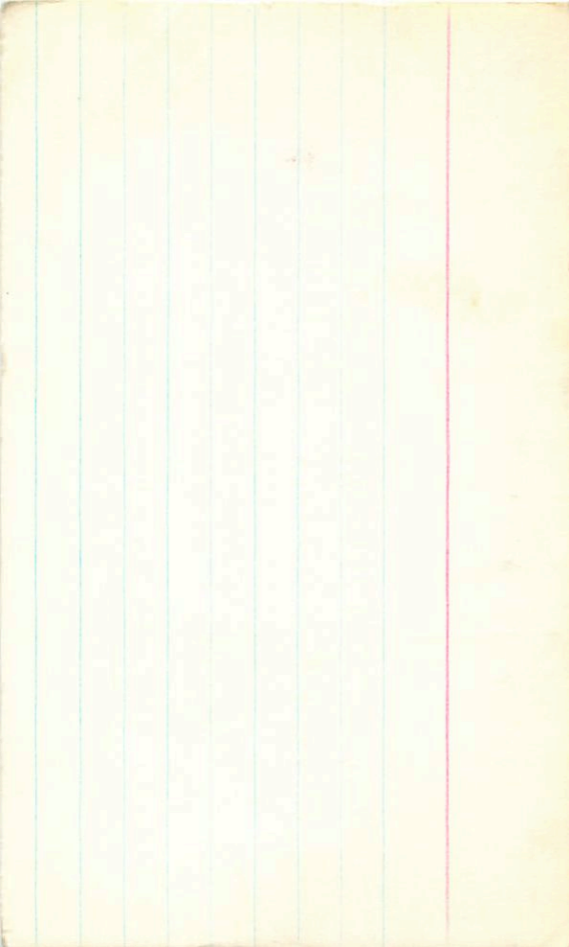
2.165 28 Aug 75

2.173 26 Sept 75

2.176 7.11.75

2.194

AV = 2.665
E 1475



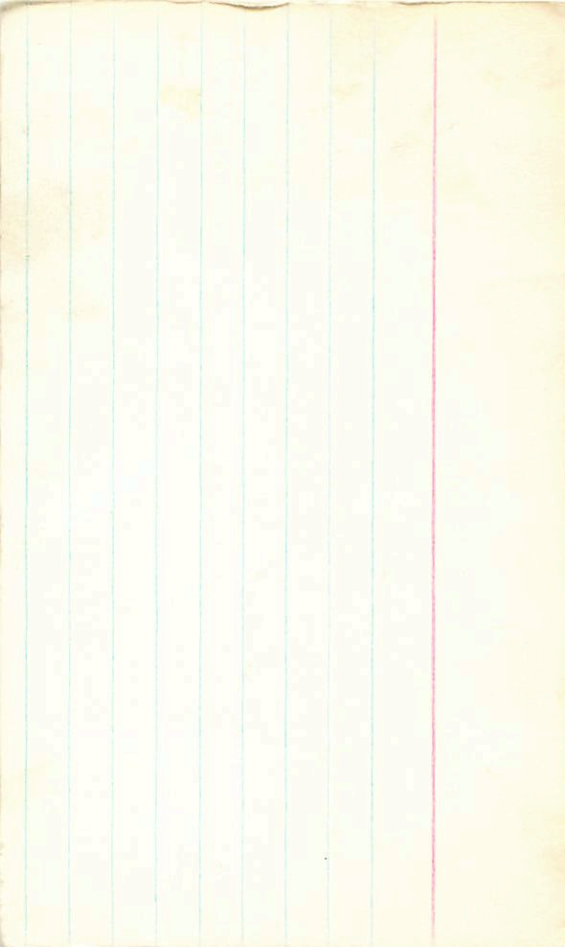
10.22 + 57.19

✓✓✓ also (RI) ✓

-3602201 18 04 18 -36 36
30

(10.01 477 1584 517 2505?)
10.21 296 791 657 23 June 76
10.23 296 795 613 24 June 76
10.22 293 793 660

10.09 + 0.265 45472
9.96 + 0.27 611
10.02 + 0.27



22

167876

18

15

04

-27

43

666 143 74

6.68
6.68
6.68

+1.245
+1.255
+1.255

+1.39
+1.34
+1.375

26 June 74
12 July 74

6.05
6.09
6.07

+0.425
+0.435
+0.43

569
513

Steel C

No. 1 Van
2.195 03:20
2.181 02:30 Y.S.T. 11
2.187 02:50 S.Y. 11

6533 ✓ 18 16 15 -34 06 2672

W. W. W. W.

6.09 -217 812 -596
6.04 -655 787 -584
6.04 -210 800 -551
209 800 169 655

9.71 044 185 964 2.909

Ey 1031 9.71 -650 915 +34
109.52 9.70 -649 916 +47
mw 1.10 9.71 -645 907 +32
180 9.71 -648 913 +39
2.377 464
2.360 25874
2.389 511
2.386

9.65 064 147 940 2.967

$$\begin{array}{r} 876 \\ 875 \\ \hline 876 \end{array}$$

$$\begin{array}{r} -676 \\ 111 \\ \hline 155 \end{array}$$

$$\begin{array}{r} 885 \\ 876 \\ \hline 9 \\ 14 \\ \hline 1226 \end{array}$$

$$\begin{array}{r} 2357 \\ 2367 \\ \hline 2362 \end{array}$$

 85473
 4''

$$\begin{array}{r} +619 \\ 155 \\ \hline 910 \end{array}$$

 2880

Express
~~no 8.1000~~
~~1.000~~
 7.000

100

HR 6875 / 18 22 50 - 44 07.5525 1332

16897 ✓ 118 23 00 - 44 12.5 8.5 AB 1/4

5.25 - 267 814 - 672 2189 15473

5.25 - 081 094 230 2.673

5.25 - 688 104 274 2.668

5.25 - 081 100 264 2.670

5.25 - 083 099 259 2.671 (3)

Exp 10

8.13 8.13 71

8.13 8.13 157

8.13 8.13 156 (20)

8.13 8.13 95 (1520)

8.13 8.13 2.791

8.13 8.13 7.00

8.13 8.13 1.05

8.13 8.13 6.95

Duckman

8.75 + 113 + 96
8.24 + 0.45

171052 18 25 56 + 15 08

~~1153-24~~
8.74-002

1128 - 462 21 Apr 76
1128 - 519 15 May 76
1157 - 464 28 Sept 76

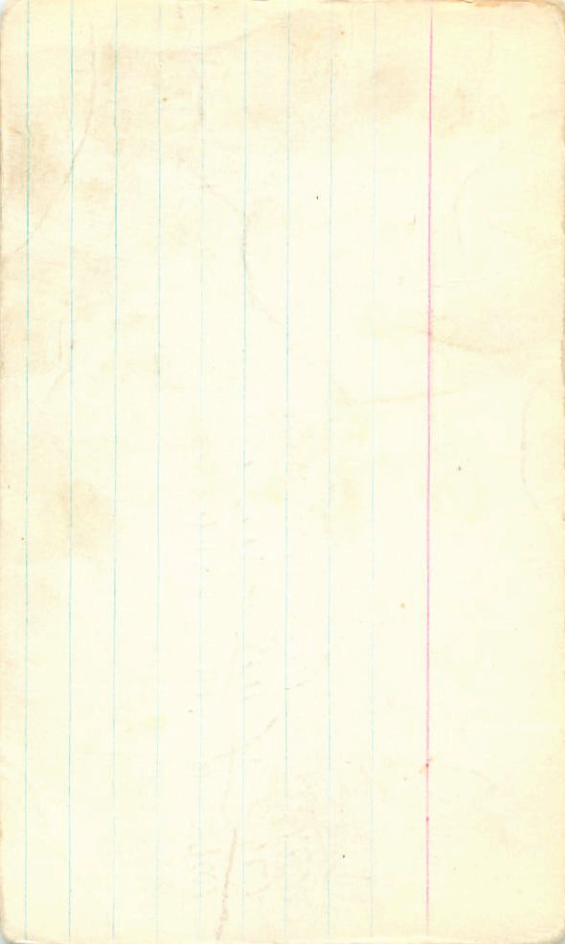
9.80-009 1150 - 505 (4)

7.30 + 0.422 24 Aug 71
7.35 + 0.438 19 Aug 71
7.35 + 0.424 19 Aug 71

9.35 + 0.416 15 Jun 74
9.33 + 0.415 20 Aug 74
9.33 + 0.414 20 Aug 74

Agoda ✓ VHP
AOD

5.40.04 (5)
4.32



190-061

72.4

170052 . 18 25 34 +1508

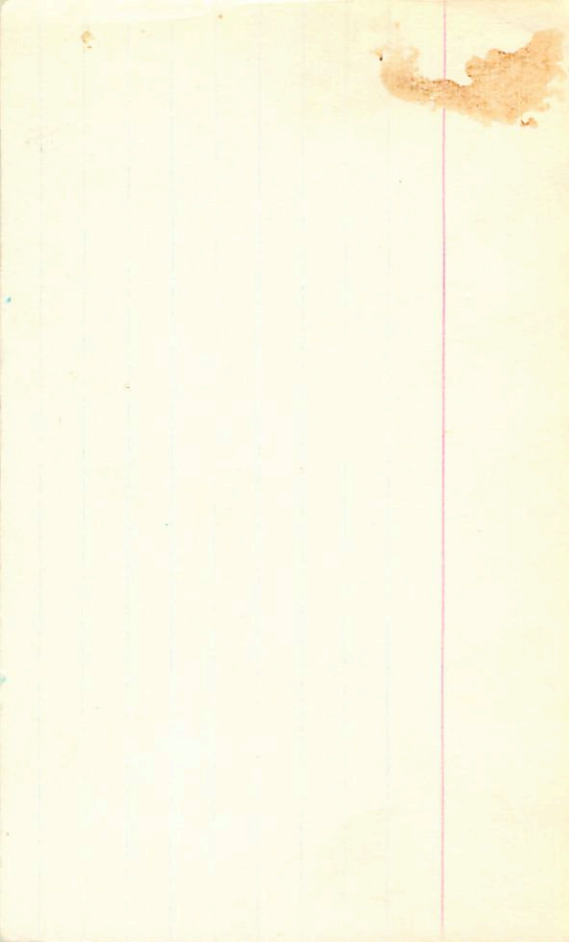
811598 864148

✓
✓
✓

8.73	+1.13	+0.845	14mg 74
8.78	+1.13	+0.88	10mg 74
<u>8.75</u>	<u>+1.13</u>	<u>+0.86</u>	

8.27	Fe.8
<u>8.24</u>	

11.96	12mg 74
<u>10.45</u>	19mg 74
<u>70.40</u>	



+1503467

170052

15

25

55

15

08

8.64 + 101.00

-86-86

-32.4

8.75 + 1.0 + 0.86 ②

8.27 + 0.46 13 July 74

8.21 + 0.45 16 July 74

8.24 + 0.45 ②

5.74 221 038 180 2629
9.24 342 105 975 2.840

New Field

180 6540 18 30 10 -10 49 5.8

9.5 12"

Fr 5.76 -465 730 -667 2.13 4 Sept 79

5.76 232 017 236 2.630
221 020 242 2.641 from

5.76 224 -002 229 2.639

5.76 226 012 236 2.637 (3)

(050) (190) (350)

1220

Fr 9.44 -374 813 -13 2.371 4 Sept 79

9.05 331 093 910 2.891
162 840

9.24 336 098 847 2.887

V668 WA ✓✓✓
 18 30 50 -42 20.5 8.75
 +β

8.70 -577 +942 +76 2.366 7 Aug 78 03:00

8.71 -583 936 +84 2.360 8 Aug 78 03:55

8.71 -584 940 +84 2.358 9 Aug 78 04:05

8.71 -583 947 +83 2.350 10 " " 05:15

9.71 -584 = 6 941 = 4 +82 = 4 2.358 = 4

110 210 1009 2.875

[98]

E(1.7) +0.032 $m_v = 4.155$

171419 $\begin{matrix} 0 & 8.4 & 9.4 \\ - & 5 & 7.8 \end{matrix}$ 34 50 -34 08 ~~9.12-01~~ 9.12-01

171598 ✓ 18 35 50 -34 12 9.51+06
103 764 975
620 097 773 2756

XB 917-670 817 -146 2258 15 July 74

923
+0.6
87 040 144 137 920 1210 2.852

9.55-651 861 -4

2.339 15 July 74

✓ Read

171627 18 35 00 -28 32 6.77+97

13

6.50 +1.670 +0.69 = July

6.76 +0.99 +0.72 → Jun 69 6.52 +0.32 30 Apr 70

6.82 +0.96 +0.69 12" 6.46 + 348 4 May 69

6.79 +0.945 +0.705 6.38 + 33 6 July 69

+0.985 +0.70 6.54 +0.335 12 May 70

6.50 +0.33 (4)

6.34 +0.355 12 Apr 77

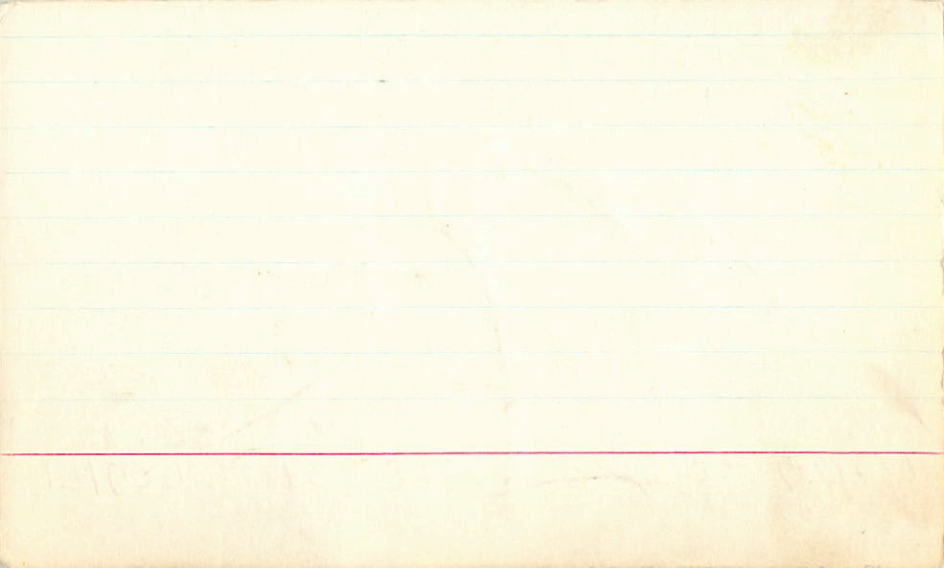
6.35 +0.33 6 July 69

6.46 +0.345 - 4 May 69

6.40 +0.345 (3)

327 ⁶⁹ ₆₉

346



+1R ✓ ✓
must way 630

6.79 + 988 1012
6.50 10.23 (4)

17/627 ✓ 18 35 20 28 32

6.79 - 144 1111 418 9 Oct 77

6.77 - 132 1083 - 406 27 Apr 77

6.40 + 0.345 (3)

6.81 - 144 1098 - 405 29 " "

6.79 - 134 1089 - 408 27 May 77

6.79 - 139 1095 - 409 (3)

570 579 352 502

(+) 1+1R^m

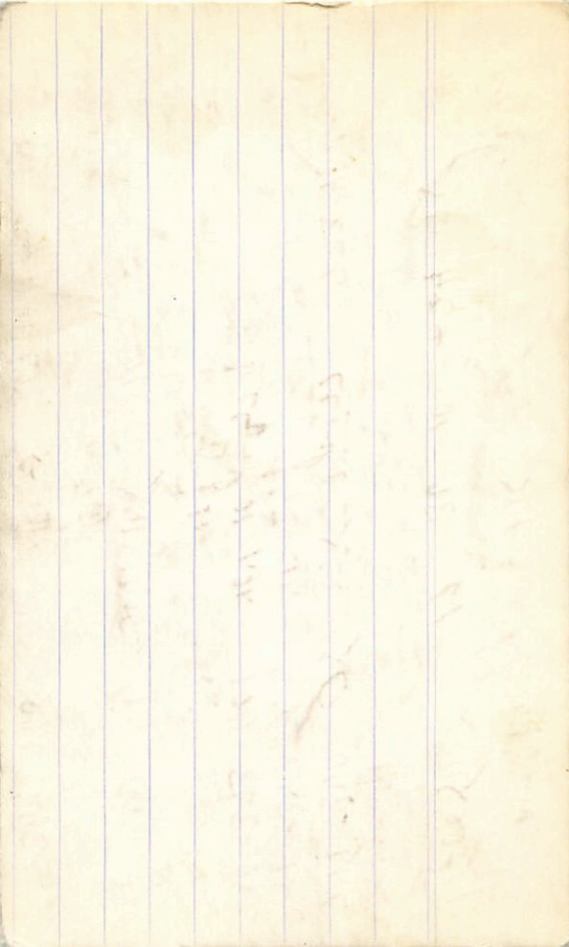
(RI) number?
wrong

(3) (1) (4) ^{9P} $\checkmark\checkmark\checkmark$ +13 \checkmark 169 5.400
 172085 2 $\checkmark\checkmark\checkmark$ 18 36 10 +24 25

2.51 -341 943 \checkmark 7 July 77
 7.49 -340 875 -375 8 July 77
 7.51 -347 913 -412 9 July 77
 7.50 -343 901 -404 10 July 77
 7.51 -324 875 -373 11 July 77

7.33 +0.165 5 July 77
 7.41 +0.20 12 July 78

7.50 -338 891 -386 2.155 23 Aug 78 2.640
 7.50 -339 891 -340 2.167 24
 7.50 -338 891 -340 2.640 369 165 522
 367 168 522 2.640



A08/1145

(R)

 $p = 26.7 (11)$ ~~15 43.0 -6 07~~

A2

+

18 47 35 -06 01

6.51-544 866 +106 2.317 30 ~~10~~6.51-540 860 +98 2.296 35 ~~10~~6.5) 38 6.53-539 885 +104 2.328 20 ~~10~~~~6.52-541 870 +105 2.320~~ ③9.61-366 853 -393 2.184 30 ~~10~~9.62-362 857 -416 2.191 35 ~~10~~9.62-362 862 -388 2.193 20 ~~10~~

9.62-362 857 -385 2.190 ③

(10)

HPD 024 18 43 00 -35 40 40.83

R 18 42 10²⁷ -35 40.5 924 AS

Eg 487 -266 817 -710 2.187 25M 74

50 480 487 -080 093 892 2.688 Eggs

-1.55 MV 4.07 -084 102 219 2.672 Grow

[6.35] [487 -080 093 206 2.676] (0.7) 229 (365)

74 Egg 51 234 166 846 5 2.744

126 9.67 -464 852 -057 2.234 25M 74

9.68 -462 852 -97 2.248 154 74

9.69 -464 886 -73 2.266 25M 74

9.69 -472 898 -72 2.234 3
9.68 -467 892 -76 2.248

Q21-22

10.80-329 797 -574

2.129 23 July 81

10.80-337 802 -566

2.130 12 Aug 80

10.80-333 800 -570

2.130 (2)

✓ also R ✓ Sunday

1 + 2 B X

10.72 + 53 - 11

G 21 - 22 18 37 54 + 00 06

(RS) impudens

1 + B

X

10.63 + 0.25 17 Sept 75
10.66 + 0.23 18 Oct 75
10.64 + 0.24

10.79 - 336 + 818 - 546 - 25 Aug 75

10.78 - 319 + 774 - 549 - 29 Aug 75

10.80 - 387 902 - 576 2130 12 Aug 70

10.80 - 376 4111 - 576 (2)

14.78 + 347 + 684 + 263

10.80 367 094 330 2122

10.222 18 Sept 71

10.212 19 July 71

10.220 9 Sept 70

10.57
10.54
10.218

R X

corrected from
G 21-22



G 21-22