

243 00 50 07 +03 16 6.40 567

✓
6.34 -77 1227 -582 6 Dec 79

RR 6.34 -76 (1196) (-522) 10 Nov 77

~~6.37 -70 1225 -591 9 Dec 79 ✓~~

6.37 -69 1230 -596 10 Dec 79
6.38 5.95 +0.39 15 Dec

1 more ✓

change

6.38 -23 1227 -590 (4)

6.13 +0.350 2 Jan 75

5.95 +0.347 6 Jan 77

(5.94 +0.36 30 Dec 77)

6.00 +0.294 (3)

(2 more) ✓✓

247 60 51 33 -24 07 5.59 g N2

✓

10.6 12"

547 +28 1307 -503 1024077

5.46 -33 1320 -523 11"

5.46 +80 1314 -513 ②

RR

485

482

484

21434 +

21434 +

42868

✓ ✓ ✓
6.17 + 92

Shiny + 571 + 286 + 403
282

255 P 02 53 02 - 8 53

857 1210

5265
5265

387

6.19 152-1016 - 484 22 Aug 75

5.84 + 0.346 7 Oct 75

6.19 154 1011 - 368³⁸⁶ 12 Dec 75

5.74 + 0.345 4 Sept 76

6.17 151 1004 - 373³⁹¹ 22 Dec 75

5.81 + 0.355 24 Dec 72

6.15 149 1013 - 393⁴¹¹ 30 Dec 75

5.74 + 0.34 30 Dec 71

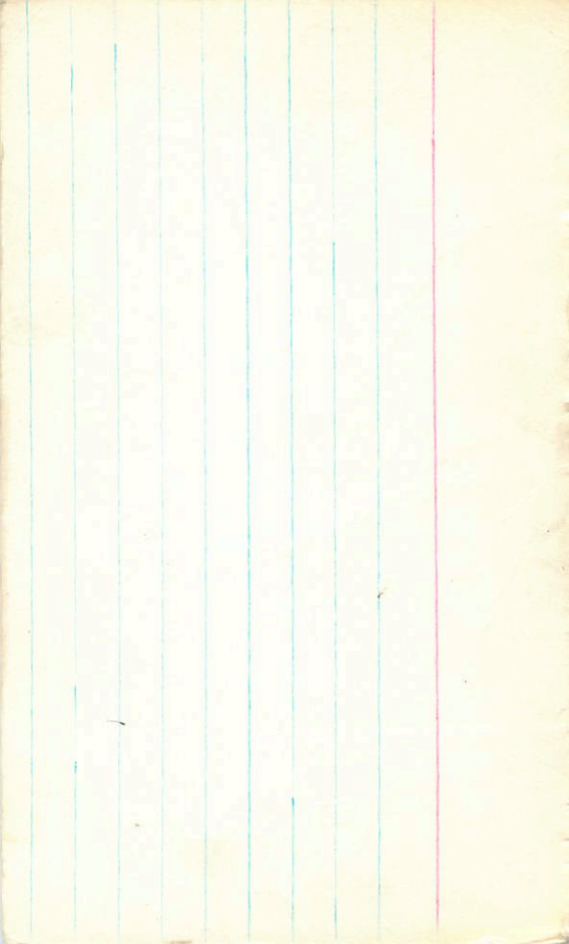
6.17 152 1011 - 399⁴¹¹ 4

5.80 + 0.346 5

565 273 484
838 1280

1011

5.81 + 0.355



270 ✓

00 54 10 - 69 40 5.44 07 III

R

$$\begin{array}{r}
 5.45 - 65 \quad 1213 - 418 \quad 10 \text{ mm } 77 \\
 5.45 - 53 \quad 1204 - 415 \quad 11'' \\
 \hline
 5.45 - 59 \quad 1208 - 414 \quad 2
 \end{array}$$

498 + 0.855 264278
 4.93 + 0.354 27''
 $\frac{4.95}{4.95} \quad \frac{4.358}{4.358}$

~~258~~

~~00~~

~~53~~

~~43~~

~~123~~

~~30~~

~~5.75~~ 09181

6.0 1¹¹

✓
✓
00 55 58 +23 18 443 68 II -14

440 141 1025 -457 5000

443 144 1139 -500 10" 70
442 142 1131 -455 ② ~~+0.334~~

402 +0.328 2A

+0.308 136m

408 +0.337 25

[4.02 +0.324 2A
+0.326

274 00 56 34 +28 52 5.54 966

✓
543 -61 1193 -529 60274

542 -62 1198 -514 102077

541 -47 1164 -429 110

542 = 62 1194 -521 ②

R R (1 mark)

5.01	10.255	6277
4.53	16.333	21258
<u>4.97</u>	<u>14.399</u>	

276

50 56 42

+13

34

6.32

65 14

✓

6.29 - 16.5 10.49 - 492 ¹⁰⁹ 10.49 420

17.16

6.30 - 17.0 10.38 - 420 10.40 77

RR

6.28 - 16.8 10.57 - 447 11"

RR

6.29 - 16.8 10.46 - 436 ③

6.01 10.306 > out 79

5.55 10.313 6.247

5.86 10.275 3.182 5

5.50 10.294

17.16

5.99 10.310 ②

279 ✓
50 57 35 -11 30 574987

R 5.63 -136 1070 -407 10 20077

5.63 -139 1079 -417 11"

5.63 -138 1074 -412 (2)

5.24 +0.345 24-N

5.19 +328 204274

5.21 +336

288 ✓
01 00 14 -34 02 558 910

5.60 -7 1263 -452 10 Nov 77

5.60 -13 1275 -464 11 "

5.60 -10 1269 -458 (2)

714 ✓

494 +0.455 5 Jan 73

455 +0.45 30 Nov 71

5.09 +0.45 1 Sep 74

5.01 +0.409 26 Jun 78

5.02 +0.385 27 Jun 78

5.02 +0.402

294 01 01 45 514 916 425 1011

✓

428 - 184 1092 - 432 51427

427 - 125 1083 - 421 10

428 - 120 1097 - 427

(376) + 380 60000

+ 133 13600

391 + 0.369 45

385 + 0.353 2A

295 ✓ 01 01 04 -57 07 6.10 68711

6.11 -146 1101 -431 2420584

6.10 -154 1080 -430 1020077

6.11 -149 1093 -438 11 "

6.11 -150 1094 -438 ③

5.67 40.28 > 27.20 > 5

0.80 58.94

4.5 10284

111

246

~~6203~~ 01 01 53 -04 57 5.44 120 171 -12

✓ R.R. 5.41 - 43 1214 - 457 10720077

$$\frac{5.42 - 40}{5.42 - 42} = \frac{1214 - 451}{1214 - 454} \quad (2)$$

4.85 + 0.41530000071
 4.90 + 0.43 5800000
 4.93 + 0.445 1500000

4.90 + 0.41530000071
 4.94 + 0.355 2000000
 4.94 + 0.370 2100000
 4.94 + 0.384 2200000

299 01 01 49 -46 31 5.35966

Ⓚ ✓ 5.40 -171 1071 -442 21 Nov 87

5.40 -168 1066 -443 10 Nov 77

✓ 5.39 -169 1083 -453 11 "

R ✓ 5.40 -169 1073 -446 ③

Ⓚ ✓ 4.59 +0.290 22 Nov 85

5.09 +0.304 20 Nov 79

5.09 +0.267

300

01 02 13 -29 39 6.28 65¹⁰

✓
✓

6.29 142 1040 -413 24 Dec 74

6.29 -138 1025 -396 10 Nov 77

6.29 -142 1030 -395 11 " 5.84 + 0.345 28th

RR

6.29 -140 1032 -401 (3)

5.87 + 0.345 30 Dec 77

5.85 + 0.330 20 Dec 78

6.29 + 0.52 + 0.535 31 Jan 72

5.83 + 0.317 27 Dec 75

5.84 + 0.320

✓ 313 R 01 04 35 +04 48 6.75 dec 7 34"
314 7.64 day 24"

6.25 2300 960 474 7 Dec 77

E 7.25 -398 823 -468 11 Nov 77
7.26 384 966 472
7.22 +1495 -0.01 ②
6.52 +6.345 -0.22 ③

7.22 +0.150 19 Aug 78
7.13 +0.170 676 77

7.23 +1495 -0.01 ②
6.52 +6.345 -0.22 ③
6.37 -743 865 -344 7 Dec 77
7.14 +0.17 1 Dec 71
7.17 +0.17 2 Dec 71
7.16 +0.17 1 Dec 71

W 6.36 -448 871 -342 11 Nov 77
6.36 -441 868 -343

7.15 +0.170 ④
6.25 +0.110 20 Dec 75
6.30 +0.13 4 Dec 77

6.25 +0.130 676 77
6.34 +0.14 5 Dec 71
6.24 +0.13 4 Dec 71

-453 965 -313
449 811 -350

7.30 1170 ⑤

315A 01 04 28 -10 06 6.13 100 III

✓ 6.11 -102 1168 444 24 1048M

6.07 -102 1166 438 10 Nov 77

6.11 -108 1164 432 11 "

R $\overline{6.10} -104 \overline{1166} -438$ (3)

5.12 -10345 26279

5.64 -10351 26625

~~5.13 -10352 26625~~

5.13 -10352 26625

5.13 -10352 26625

5.70 -10348 (2)

359

(1M)

CSF -10

Chadwick

6479

6480 ✓ ✓

1 04 35

+4

48
48

33 "

6.327075 - 025
7.234475 - 04

Quinn

B 11

6.38

-449

879

205-367

140

10 24-75

6.37

-447

868

6-348

118

11 Aug 75 36 "

6.41

-464

858

-375

12

12 " 75

6.39

-453

878

-363

13

13 Aug 75

7.35

-356

144

550 1293

13

13 Aug 75

7.29

-344

860

-462

11

11 Aug 75 30 "

7.32

-354

863

-512

12

12 " "

7.32

-353

862

-464

1200

1200

31

138

445

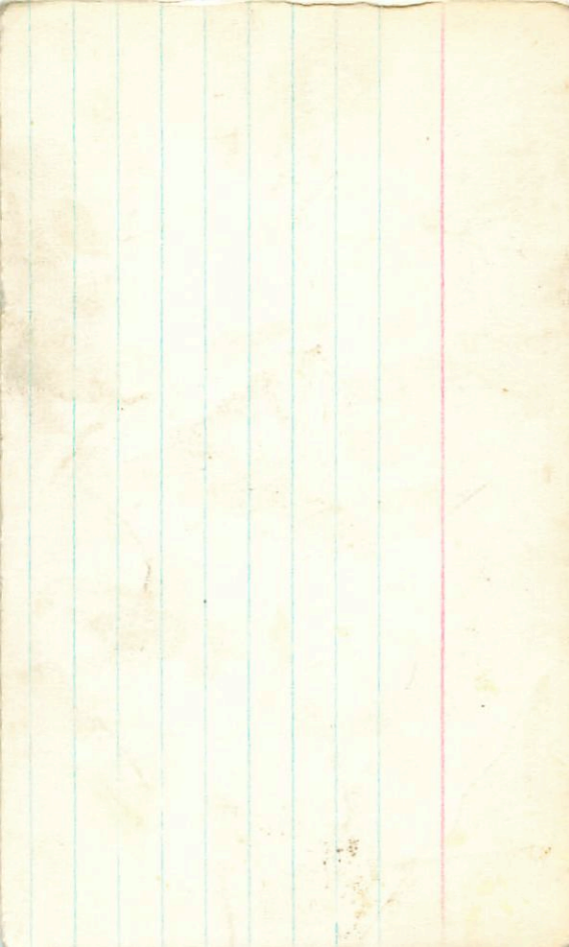
1200

1200

1200

19 Aug 75

222-10.150



316

✓✓

1 05 50 +56 49.5 6.4110 III

1106497

RT (A)

6.41 -4 1325 -446 56280

16"

p=700

640 -4 1322 -452 11 " " "

640 -4 1324 -449

418 3A

720 56280

(777)

819D

01 05 21 +12 50 613967

✓ 6.14 -126 1082 -439 246874

6.14 -131 1074 -815 102277

6.13 -126 1068 -422 11"

6.14 -128 1075 -426 ③

13

5.76 +0.236 ^{dy} 6.977
5.76 -10324-20477
5.74 -10330 ②
230

320 ✓✓ 01 05 00 -24 07 629 65

6.12 -65 1199 -484 -500 11" 10200770

6.12 -67 1214 -505 11" 1218

6.12 -66 1206 -495 (2) [50 + 118] 1218

655 ✓ 413

(655)

515

877

1010
396
1297

5.64

+0.361

1297

5.64

+1.35

(1297)

5.68

+0.38

579
103
682

(38M) (20)

05 05 -46 50

1/4-1/4
1/4-1/4
Bright

X (X)

-174 1060 -412

565-195 1054 -472 +120687
565-183 1046 -473 46878

565-157 1005 +27 +10 35287
565-157 1005 +27 +10 35287

322 01 05 04 -46 50 3.30 68 III

✓ 3.31 174 1060 -412 Δm=01"

3.34 177 1060 -433 3.51 70

3.33 175 1057 -448 10.5.77

~~3.33~~ 177 1066 -443 11"

~~3.33~~ 176 1064 -444

539 822 -424

~~2.51 40.323~~ Comin

2.42 40.323 25

~~2.51 40.323~~ Comin

2.43 40.333

40.326 13.6.6w

✓

2.94 40.342 2.9.1

332 (X) 01 06 24 -61 54 5.36 65 III

✓ 5.35 -177 1050 -479 21 Aug 77

5.35 -175 1052 -452 10 Nov 77

R 5.35 -176 1047 -470 11 " +1

5.35 -176 1050 -480 (3) 7.37 + 0.346 22 Oct 77
5.01 0.276

5.06 +0.305 7 Oct 77

4.54 +0.276 2 Nov 77

5.05 +0.291 22 Jan 78

5.06 +0.295 2

✓
III (X)

334 ✓ 01.07 25 -10 18 3.44 P3 15

347 -23 1325 -496 8 Ven 77
348 -20 1324 -489 5 "
349 -22 1326 -492 ✓

70F 665 ✓

+0.375 1366
3.00 +0.414 35
2.81 +0.41 ¹³⁶⁶ / ₅₅ ✓
+0.348

5.01

~~1000~~ + 1 red

slc 20 VII
5.50 g FS + 100

339 R 07 08 35 + 19 32 5.50 g FS + 100

✓ 5.59 - 272 923 - 343 21 July 80

~~5.40 - 257 884 - 325 11 Dec 77~~

~~5.56 - 248 892 - 313 8 Dec 77~~

5.59 - 270 920 - 354 20 Nov 78

5.58 - 271 920 - 350 ③

1000 (7) 439 191 513

5.30 + 0.237 - 60757 ^{dec}

5.23 + 0.216 21 Dec 75

+ 1 R ✓
+ 1.0
+ 224

[263 + 0.222] 20 Nov 80

~~1000~~ + 1 m...
p...
+ 1 m...
5.80 + 1.46

341 / 01 09 04 + 25 21 5.80 gms

R ✓ ✓

5.77 + 172 + 1517 - 427 21 Aug 57

191766

5.78 + 184 1480 - 403 11 Nov 77

5.78 + 174 1519 - 450 8 Nov 77

(R) (X)

5.80 + 163 1521 - 421

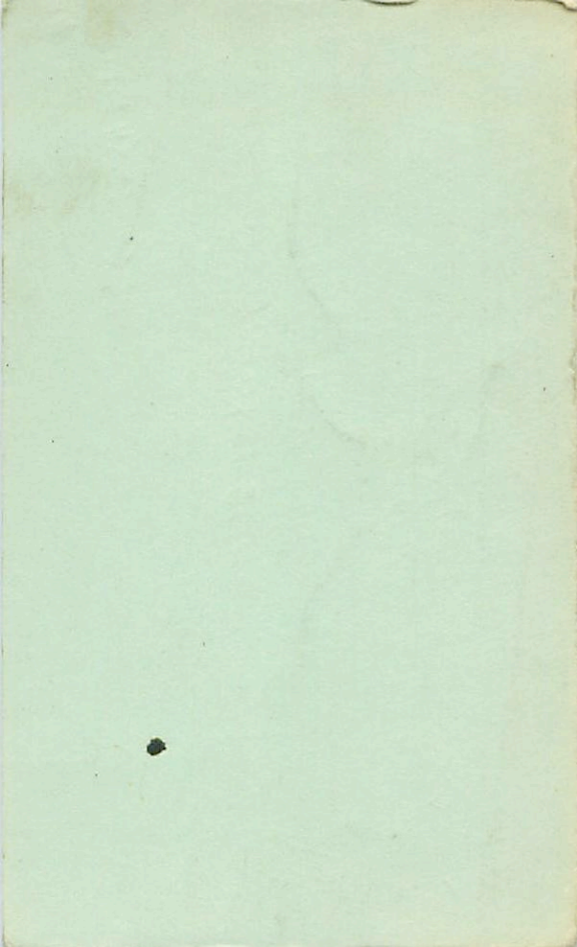
5.78 + 170 1579 - 433 (3)

559
4.63

5.06 + 0.576 7 Dec 75

4.95 + 0.542 1 Dec 75

[7.29 + 0.629] 22 Oct 71



~~10/20/77~~

346

01 09 03 -09 01 6.41 9.66

6.43 -103 1170 -410 22 Aug 77
6.44 -54 1159 -410 27 Nov 79

R 6.42 -111^{br} 1186^{br} -423 9 Nov 77

R 6.40 -88 1148 -390 11 " "

6.41 -97 1169 -418.24 Oct 77

Final

6.41 -98 1165 -515 5

6.66 +0.349 5 Jan 77

5.94 +0.355 30 Dec 71

6.00 +0.36 25 Jan 77

5.99 +0.345 7 Dec 77

5.99 +0.350 4

9.550

350/ 01 09 13 -57 48 6.47 65

✓
R 6.41 -175 1014 -497 2646 87

R 6.43 -172 1001 -481 1020 77

R 6.42 -170 1001 -487 11" 1218

6.42 -172 1008 -490 ③ [105 + 1037]

544 266424

602 304

324

6.02 + 0.325 546 77

5.58 + 0.3062 746 78

6.00 + 3157

① 3157

-205

351/ 01. 10 13 +20 55 4.72 6-8 III

✓ 4.66 -111 1206 -506 21 Aug 57

4.67 -102 1195 -530 9 Jun 77

4.66 -91 1179 -537 8 Jun 77

4.64 -106 1202 -519 (2)

4.63 450 375
4.64 450 375

4.24 +0.37 1st wk

4.23 +0.345 4 Aug 77

+0.34 1360

4.25 +0.39: 25

4.27 +0.355

4.67 +1.025 +0.75 1354 73

4.64 +1.035 +0.77 1700

4.65 +1.03 +0.76 (2)

4.67 +1.0 +0.75 1st wk

352 01 10 22 +24 58 452 120 11 -15

214

453 54 1242 -457 10"

444 52 1228 -468 8 Rev 77

451 57 1248 -499 9 Rev 77

451 55 1240 -471 (3)

486 ✓

[404 +0.375 (3A)]

10.35 1366w

9.07 10.714 25

353 01 10 33 - 2 22 5.95 104 116

5.93 +123 1478 -453 22 22 27
5.93 +126 1492 -458 29

5.92 +133 1465 -462 9 11 17

5.93 +136 1463 -459 8 11 17

5.93 +130 1470 -458 (4)

863 700 439 3566

R
1500
✓
499

(18) 5.26 +0.500 7 11 17
5.26 +0.523 10 16 5 P →
5.18 +4778 21 26 78
+511

5.26 +0.499 11 17
5.30 +0.523 (2) 10 26 5
5.18 +0.496 21 26 78
5.22 +0.469 (2)

361
37

360 / 61 12 30 +24 28 4.53 100 III
 4.68 -87 1214 -812 2600-91 10^m 8"
 4.67 -103 1284 -839 2200-91

4.67 -87 1216 -541 5000-77

(*) 4.66 -25 1194 -539 8000-77
 4.64 -93 1228 -583 ③

1339 453 ✓
 4.64

+0.337 13600

4.29 +0.375 25 +390
 1352

4.29 +0.370 ②

360

1

12

40

+24

29

$\frac{45}{100}$ TIS

(X)

468-87 1219-512-26 NOV 87 (36)

RR (R)

361 R ✓ 01 12 30 +07 28 55.57 AS
362 ✓ 24" 6.49 d F6 +50

A 5.20 -527 904 -62 11 Nov 77
5.27 535 911 -79 9 Dec 77
5.21 531 908 = 70

5.20 +0.038 206.78

B 6.22 -378 878 -397 11 Nov 77
6.26 -384 909 -424
6.24 382 884 = 408

6.02 +1.155 212.17
6.04 50.7 751.7
6.04 +7.50 758.2

366
~~555~~

transform → 295 139 523 79 F2
01 13 12 -08 02 ~~6.20 10~~

R

→ 294 146 491

5.15 -410 871 -420 8 Dec 77

294 146 491 2.637
294 457

7.88 -239 1007 -496 9 Dec 77

7.85 246 1013 -520 8 Dec 77

7.86 -242 1010 -508

5.03 +0.169 7 Dec 77

470 274 400

331 355 365 415

60 → transform → 474 231

416

472 270 407 2.554