

24291 3 48.4 -45 32 67.11 + 2.2 44

67.1142
60850

6.93 + 0.94 (2.02)

to 0008 8106 + 0008 + 8.0
to 0024 - 0024
26.074 140.0

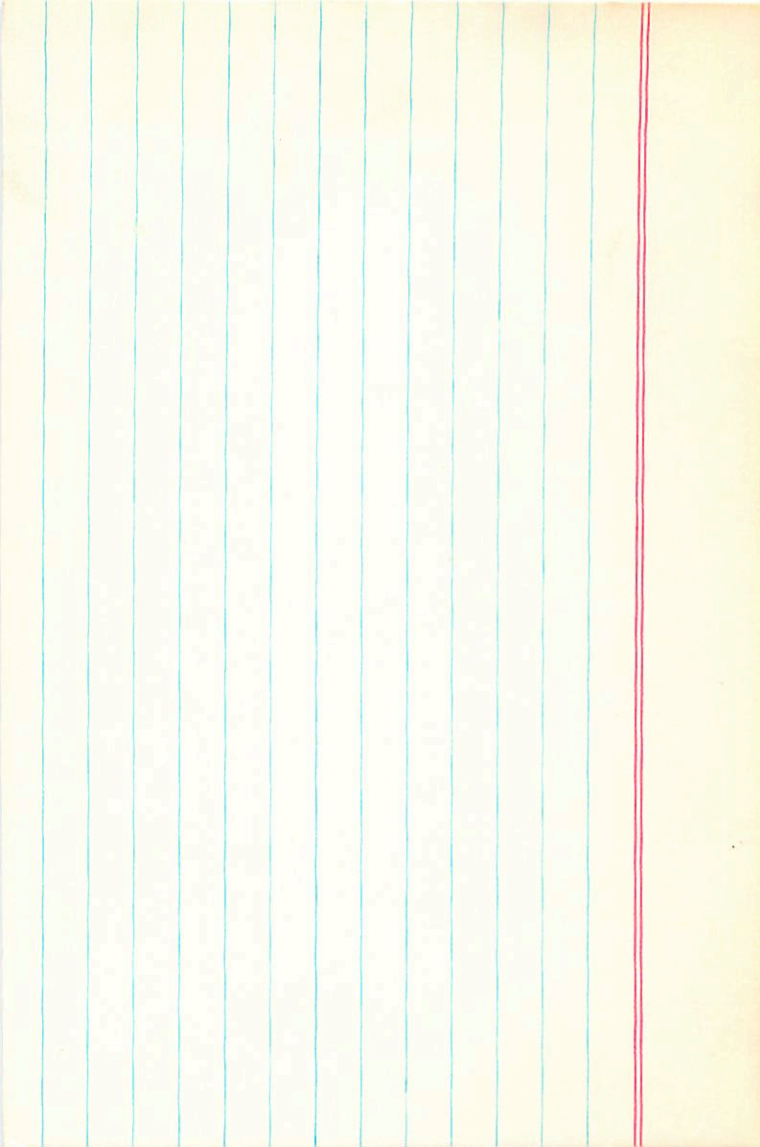
0.35
0.34
0.21 - 0.0010 + 0.014
0.26
0.22 - 0.0010 + 0.014

0.0010 + 0.014

42.23
1527.48

19 +
8.54
Lot
8.66
20
8.63
33.60
42.23

32756
48.225
25.984
24
2.96
2.075



315 cm

24263 3 49.3 46 23 5.6 89 +15.7

2214

4662

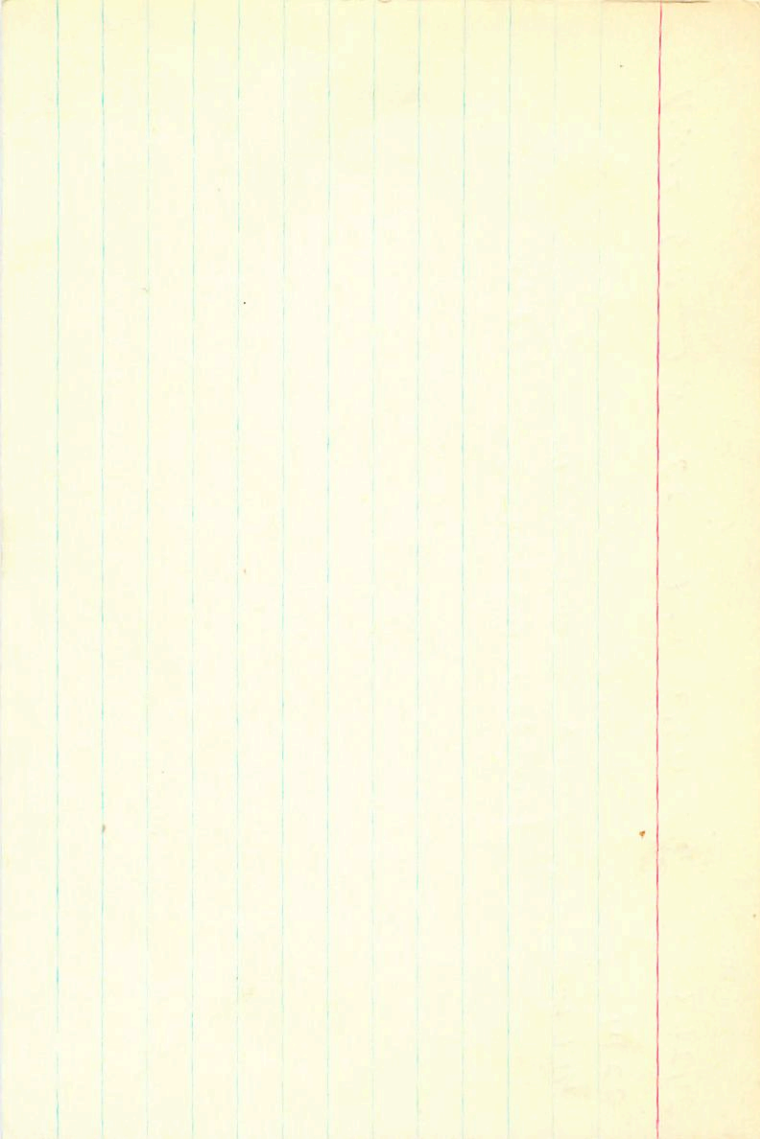
29

+0003 -0009 N30

+0006 ± 2.4 -0003 ± 2.0 G-C center N30

$\Delta m = 0$

0.4

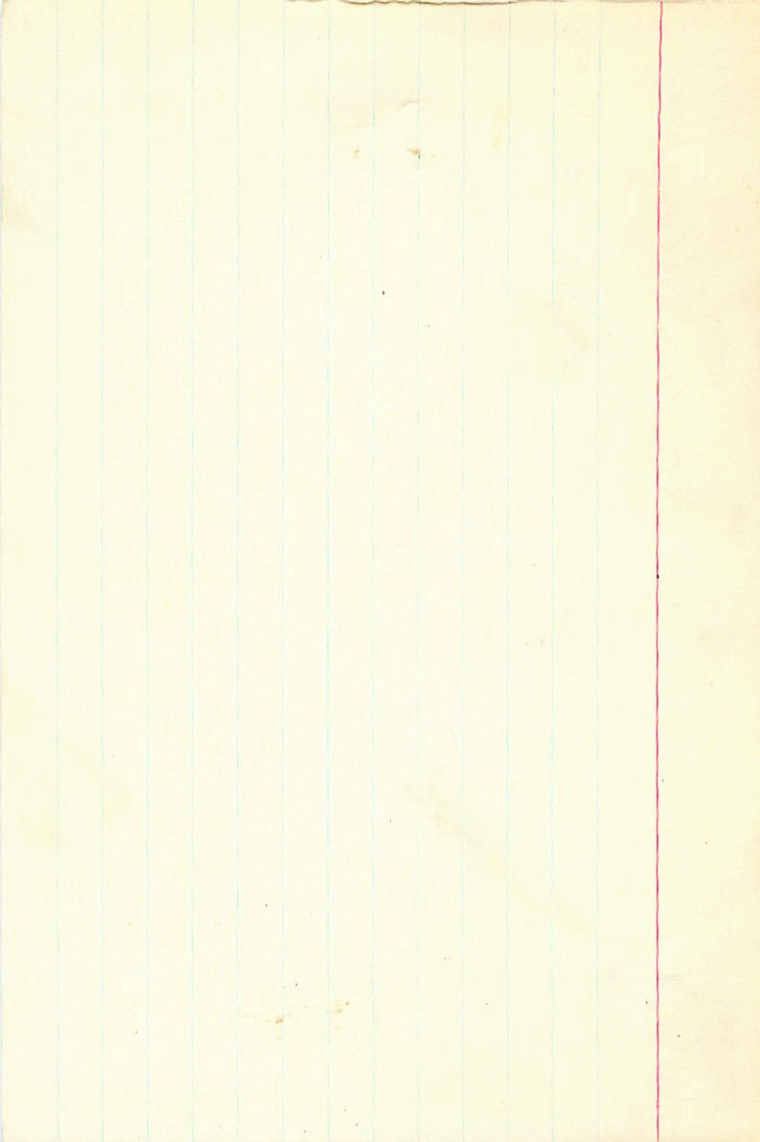


34

1210541 3 49.9 +21 50 9.5 d60 +60e

2216

+0069 -106 CP



805/6 441.750

3 43.6 + 41 17

39 23439

763 487 302 149 2.523

695 457/6
3

24203

878 40. 2 454 753 05 46E

-241

605 405 187 273 (2)

-50

Co 264

440
34

R.A.	:	3.800
DEC.	:	53.150
PM. R.A.	:	-58.000
PM. DEC.	:	-57.000
DISTANCE	:	2.520
MODULUS	:	32
AD. VEL.	:	-5.000
q1 (U)	:	0.419
q2 (U)	:	-0.325
q3 (U)	:	0.848
dp	:	18.680
U	:	-3.643
q1 (V)	:	-0.659
q2 (V)	:	0.534
q3 (V)	:	0.530
dv	:	-35.712
V	:	-3.791
q1 (W)	:	0.625
q2 (W)	:	0.781
q3 (W)	:	-0.010
dp	:	-313.938
W	:	-9.970

52

24301 3 48.9 +26 32 d60 r25.1 b

+26°633

80

+115 -117 ✓

+117 -118 Ruty

+0084-128 Umboing

+113-128

2147

1707

+022 898
0358 223

750 6542
6579-7563

834537 446895 +117-115 +25.1 +25.1-053 +11-502

-095 044 063-028 = 332 507 +22.5 +12 +19

-5 +44-14

+1 +36 -6

03

(10/10)

31 Feb

HR115F 3 50.0 +48 30 5.8 512 +8.06

24263

+0039

-013

+0040 56.0

-02454.7

+040-029 GC

0 +1
-028

0620 42

11.66 6.0

128

10.38

0 +1
-028

0670

6674

11.24

20
6.90

13
11.18

3 3

5



1199.000*

3.000*

50.000*

40.000*

20.000*

851

3 50.4 -56 27

+15.0(4)C5

24564

GC4678

7.46 +.92 (1.44) G8 ~~14~~

23.798 19023 $+0003 \neq 90$ $+032 \neq 7.5$
 $\quad \quad \quad$ $+001$ $+028$ 3.80 1898.2

-014
 \hline
 784

$+0002$	$+030$
9	+3
$+0011$	$+033$

-1.66
 \hline
 35.46

49.639

24.242

23.781
 \hline
 35
 \hline
 $.816$
 \hline
 $+032$

+009

63.68 19220

29.58

34.10
 \hline
 -54
 \hline
 34.64
 \hline
 $+ .82$

24/10/19

3 50.4 +7 27

8PM
+13.3 Car

40099-086

4070-086

110 Amp

70
-86

300
+13.3

7412 5496 1103
9116 8392 0116

33 22.3
344 2235
344 2235

306

+4.3

84

R.A. : 13.300
 DEC : 48
 R.A. : 13.300
 DEC : 48
 R.A. : 13.300
 DEC : 48
 R.A. : 13.300
 DEC : 48

01 (U) : 0.489
 02 (U) : 0.377
 03 (U) : 0.831
 04 (U) : -12.123
 05 (U) : 10.291

01 (U) : -0.257
 02 (U) : 0.724
 03 (U) : -0.818
 04 (U) : -222.222
 05 (U) : -21.078


01 (U) : 0.437
 02 (U) : 0.388
 03 (U) : -0.228
 04 (U) : -11.237
 05 (U) : -7.241

R.A. : 3.850
DEC. : 7.600
R.A. : 70.000
DEC. : -86.000
STANCE : 3.000
MODULUS : 40
VEL. : 13.300

q1 (U) : 0.409
q2 (U) : 0.377
q3 (U) : 0.831
dU : -19.123
U : 10.291

q1 (V) : -0.657
q2 (V) : 0.754
q3 (V) : -0.018
dV : -523.302
V : -21.078

q1 (W) : 0.633
q2 (W) : 0.538
q3 (W) : -0.556
dW : -11.237
W : -7.841



2916x

3

57.1

+71

40

1756

0550 0650
0900 1000
Mang SRI

7438
- 1684
- 1899

- 2973

0512

0210

0740

0899

0126

22701 3 51.3 +86 29 5.8 dF1 -4.28

2233

52

4693

+1687 -076 N30

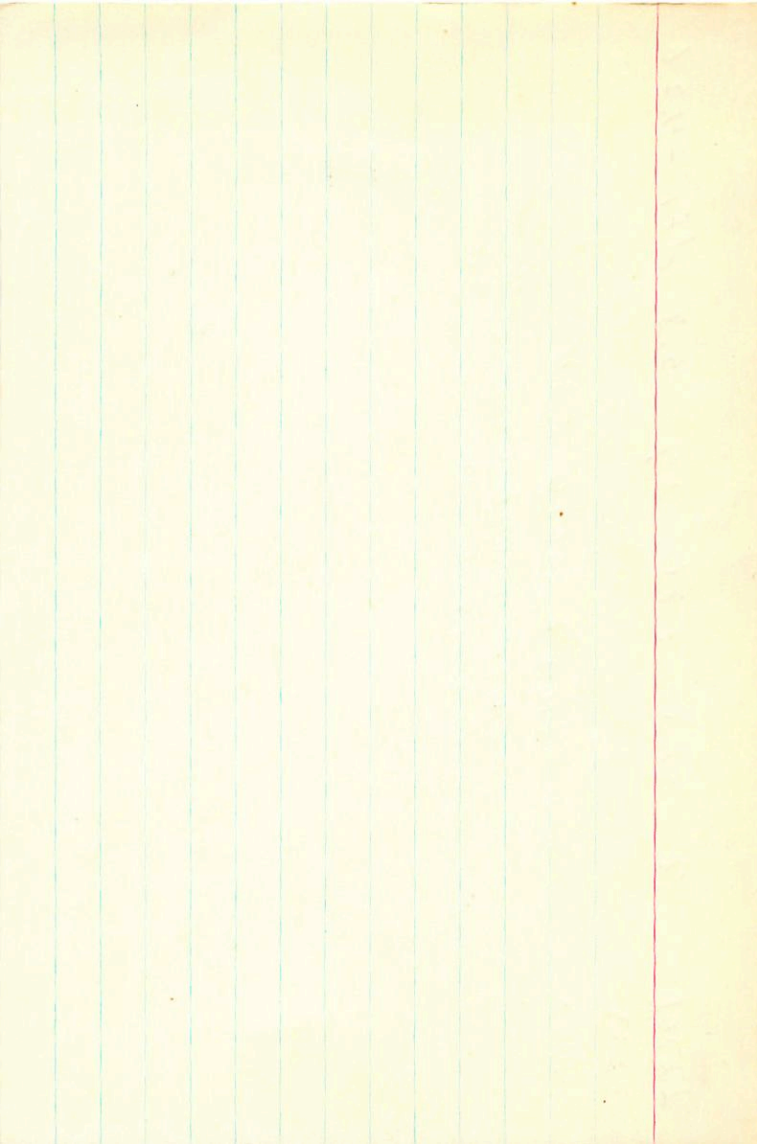
+1680 -076 G-140m to N30

±1.1

±1.2

150-29

150-29
150-29



24026 } 517 -34 53 BLB 425 554.

+18c 47
+22

5.10 -0.14 (1.30)

+0025 -009 N30
+0029 -009 6L

+0027 -009

+033

24334

3

44.3

-26 05

GIV-01

782.2

254.

9.44 + 0.56 - 0.08 5-85

+248 +155 CR

+315 +167

V 479 Tam
24550

03 51.8 +05 03 +8:

ADS 2844

7.41 +0.38 +0.14

5
10 73

BC 8.92 +0.32 +0.08

John W

+0007 -016 n20

+00055 -0165

+005^r

+010 -020

026

53



32 Eui

3

51.8

-03 04

+273 (5)

A +26.98

B +17.68

12/1/12

REIII

AB

4.45

+0.66

+028

+006

GC

24616

2"

2240

4707

24424

38-1.9 + 12.05 - 340 ABA

6079 + 57

6079 + 57
- 1128 7109 (circled)

718 + 109

- 752

101

278

- 340

R.A. : 3.850
DEC. : 52.100
PM. R.A. : -192.000
PM. DEC. : 109.000
DISTANCE : 2.800
MODULUS : 36
AD. VEL. : -34.000

q1 (U) : 0.409
q2 (U) : -0.314
q3 (U) : 0.857
dU : -390.717
U : -43.322

q1 (V) : -0.657
q2 (V) : 0.550
q3 (V) : 0.515
dV : 651.705
V : 6.149

q1 (W) : 0.633
q2 (W) : 0.774
q3 (W) : -0.019
dW : 45.747
W : 2.311

56

Wend +25.0
F50 83
3 52.9 +50 83

245M

HR1210

624728

5.30 +0.40 00 2599

25P

SD 300

605

430A

.279 .159 .440 ② SPL 2.680C +

52

294

566

⑤10

[m] 209

+13

2.55

[C] 434

3.33

+40 -16.8 -9

+4 -6 -2 10m

-127

+26.7

8087

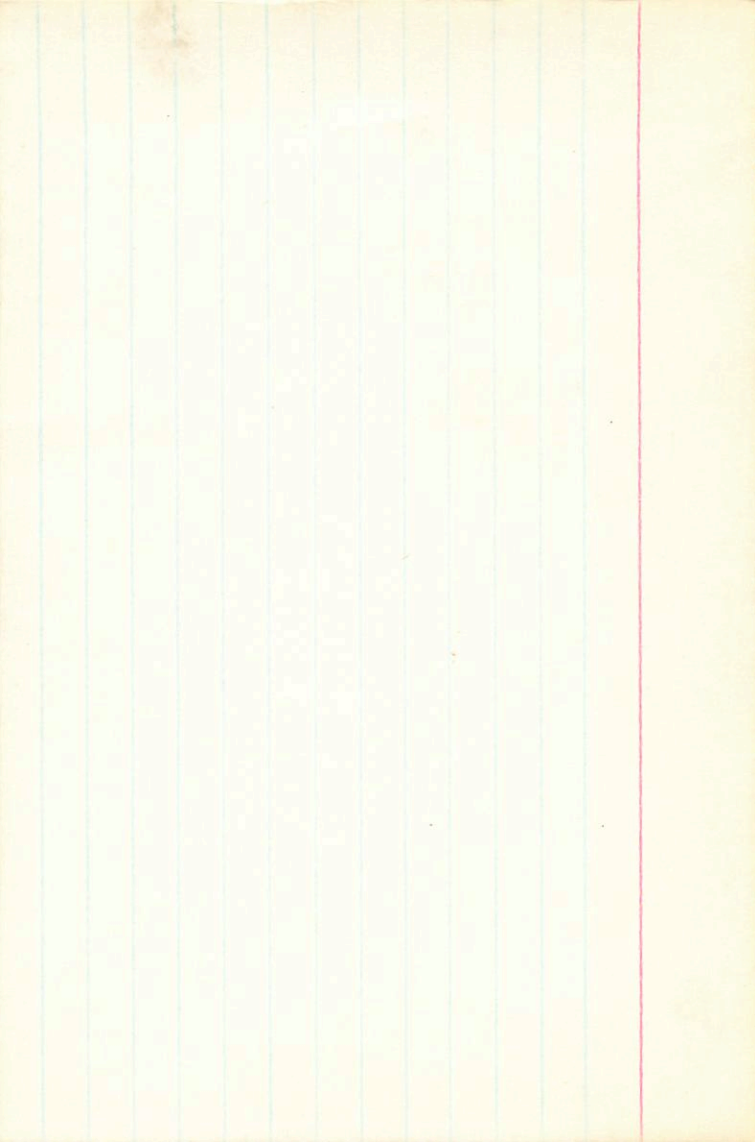
7480

5883

-637

+32

+0100 -127 landing
+694 -126H



430M
24546

+0100 ±2.1 -124 ±1.4 2p.B.P =
+0104 -126
3 52.9 750 33 5.5 24 124 +26.7a

2252

4726 52.749 1888.6 750 33 8.90 1885.8
614
52.135
8.28
17.18

1.31
51.072
52.382
52.137
52.516
52.5
52.5

50.7

46.3 1926.6 11.795
27.88 39.3
13.62
-1.96 3143
11 +33 2
12.2
1944.45

52.712 1985
+10
722
662
52
52.727
+11
738

9.87
-23
9.64
9.78 1946.57
-26 10.44
9.50 -6.74

43Pw

24546

3

52.9

150

33

27FY 126.7a

NR1210

5.45

FSE

1095-129 G

WR252

1096 -130 G(12)

11 P = 30.4

5.28 10.41 00

2 sp.

$\frac{21}{6.03}$

850 526 772 636 +097 -127 +26.7 -100 +206 -359

-051.085 050-053 -133 670 +17.0 +9.9 +14.4

025

0.3 35.2 2.4
1.7 -17.9 3.4

+3.6 +40.0 +5.1

+37.9 -12.4 -7.2

-3.1 -6.5 2.4

+2.3 +46.4 +1.2

02

0.2 408 106
1.1 208 +09

[+41.6 -18.8 -9.0]

021

2.0 -29.6 100

+3 +44 +3

025

+0003 ± 1.6
+0008 -005

24480 3 52.9 +60 58 5.3 g M4 -2.47

-31 (3)

2251
4727 51.403 1902.8 +60 57 53.05 - 1999.9
-014
389

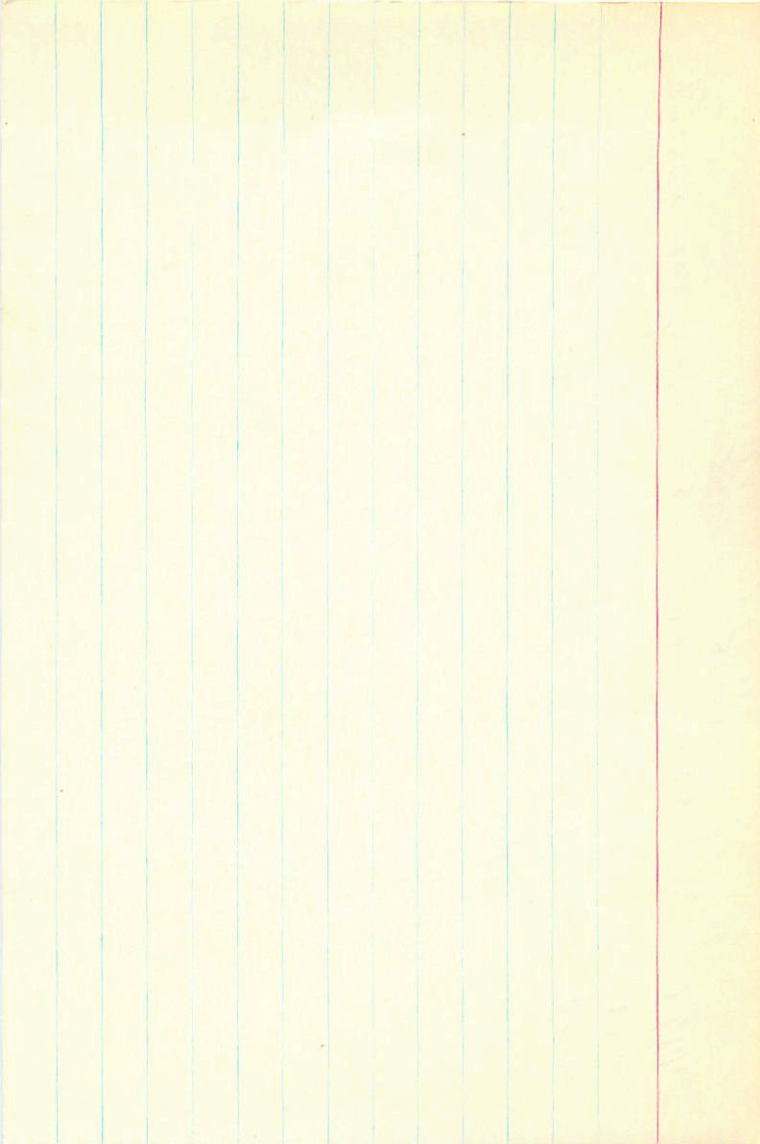
A052867
8th 2

43.66
7.525
51.180
18.15
426
51.388
-6
382

31.5

27.2
27.90
55.17
1926.0
53.113
+3.51
53.50
53.25
-1.1
53.11
1944.63

7663
35.3
35.4



24755

3

5-2.9 -35

5-1

5-8

+45.7

25A.

5-107

+119 +203 CP

+5 +2

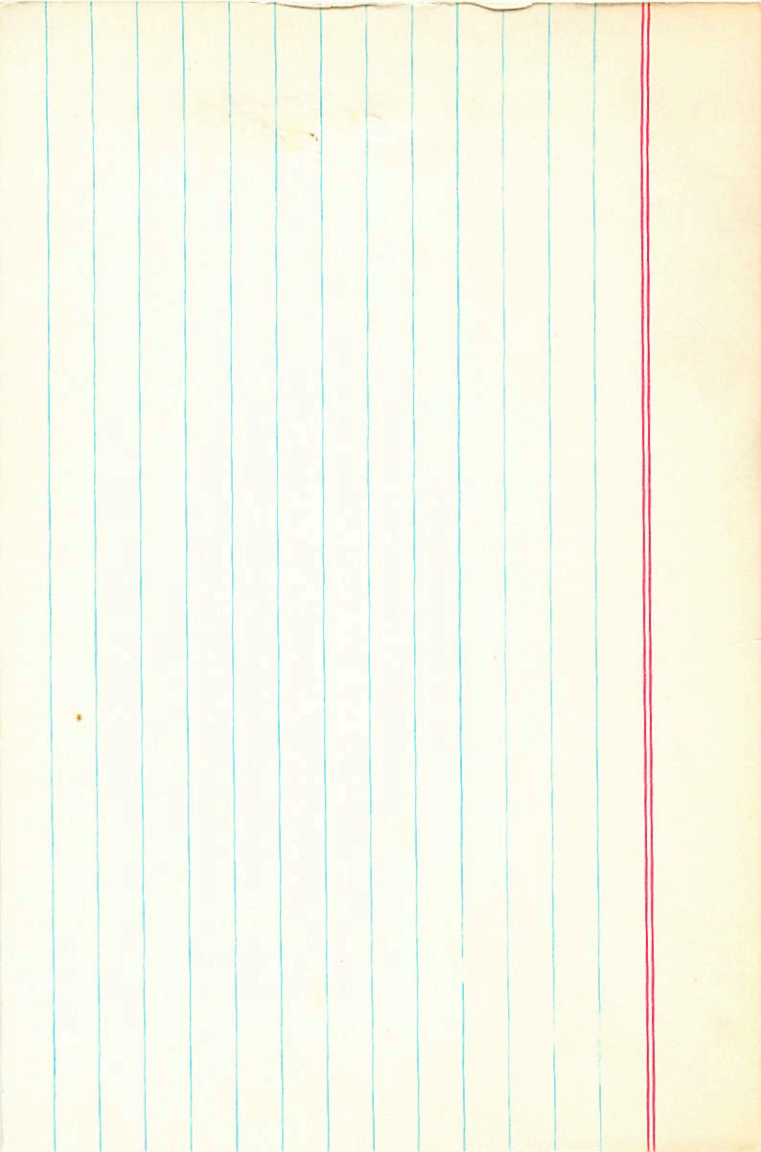
+126 +205' →

7.69 +0.45 (1.57) Ceyce

+107 +220 GR

~~+153~~

July



T En

3 53.1 -24 11 7.15 947e +822

1+024754

W 2256

664733

+0036 000

+049

+023 +011

+019 +010

+0638
+0033-17

5.602
178

5.484
+029 +65
+058 +0.0

5.600
18

5.618
+023
+023

1.465
+0.5220
8.555

7.15 947e
-006 ± 17.0

+010 40.63 1505.2

26
40.37

+0043 +010

+0016 +009
38 +2
+0025 +006

4033 +025
+0322

42
10.85

+25
+7

3587 19344

+21
34.86
MC
Mew

FIN4

40.37
40.63
431

3.93
3.55
41.87

~~+070 +079~~
+049 000

+0920 0

-1521 0

+1496 0

100 Pa.

Σ

396759 517

+0250 +0324 +1080 +088 +217 +32.5

-655 428 -421 +1242 +6248 -0956 -96 -17.6 -27.2

644 172 -796 +1221 +0023 +1294 +129 -313 -18.4

Mechanic +023 +008

630 Pa.

+0131 +0287 +0718 +45.2 +21.7 = +66.9

-0714 +0238 -0126 -30.0 -17.6 = -47.6

+0702 +0665 +0767 +48.3 -31.3 +15.0

Probably 3

then to find
kater's

24754.000*

3.000*

53.100*

-24.000*

-11.000*

0.025*

0.007*

10.850*

1479.108

42.000

0.073

0.511

129.206

0.057

E 1

1000 2000

1000 2000

1000 2000

1000 2000

1000 2000

1000 2000

1000 2000

1000 2000

1000 2000

1000 2000

1000 2000

1000 2000

1000 2000

1000 2000

1000 2000

1000 2000



24754.000*

3.000*

53.100*

-24.000*

-11.000*

0.022*

0.008*

10.850*

1479.108

42.000

0.071

0.511

126.077

-0.045

-0.418

-83.480

0.073

-0.751

76.391



T Eni 3 53.1 -24 11 7.4 -13.2 dm

P2+422

H024754

-50
May b = -440

252.4

G64733

R = 6.30

50x 50x
Junk +0.040
+0.009

Need better
at

R-I 1.18

5.12

3.65

7.90

1023 +11

772
495
555
418

575 m.

+64 -45 +12

probably 5 Rev

250

400

550

6

T Eni

7.65 +1.50 +1.05 -3.15

468 -94 +44 +420 252

E-708

H024754 6.3 +1.18

8.5 +9 -15 +15 0

-490

T Fri 219.3 -48.7

25267 219.4 -47.4 44.1 -0.13 -0.40 4p 80 5.0^m

+320 (2)

+260646

3

53.6

+27

10

DIRU

+34 R

9.0

+064

-010 Y

852 524 457 889 +064-010 +34-005 +16-043 ✓

- 055 004 034-003 -246 150 +303 +16 +26

+2 +37 +13 017

+0006 ± 2.6
+0008
+0010

+010 ± 2.4
+008
6.7 g M3 738.36

24834

3 54.1 -13 45

2263

4748 7.783

-031
7.752

57.917
09.835
7.752
7.766
7.725
7.791

1897.6

-13

44

30.02 1894.8

+0008 +009 60
+00072 +0066

+0061
+009 +004

39.4

1792
7040

53.36
23.77
29.67
-1.10
30.43
30.27

1934.59

-402

37.0

42.2

6.40 +1.65 +1891

7.786
7.797

50.24
+ .33

5.28 +0.89

490

30.42
+20
30.22

30.42
+20
30.22

1939.52

3.77
3.17

30.60

58



24834.000*

3.000*

54.100*

-13.000*

-45.000*

0.000*

0.004*

6.600*

208.930

38.300

0.029

0.642

38.738

76

331

134

24834

3

57.1

-13

45

gms

+38.38

6.7

+009

+010

+009

+007 G-C+

dependent of the
number of the

853522 - 238 972 + 109 + 100⁶ + 38.3 - 002-9 027
 - 008 002 005 - 001 - 038 023 37.2 + 19 + 31 003

+1/0 +42 +1
~~+38-12-16~~

+5 +47 +7

+8 +42 0

+38 -14 -14

+7 +43 +1

+39 -15 -12

002
 113

0028

DS ".54 cup

1924.50

.24 .07

1994.8

P₁ = .397

P₂ = 19.36

P₃ = 25.0

DK Eni

HR1225

03 542

-09 54

F145

+0030 +010

+00265 +0085

6.2

No Val

-046 +019 02

+041 +0175 →

+043 +015

+0392

+042 +008

~~165 180 874 2.764~~

~~161 184 881 2.777~~

~~13.551 682 155.1~~

~~1601~~

~~991~~

~~77~~

~~13.476~~

~~985~~

~~13.479~~

~~20~~

~~99~~

654 928 }
7570 351 }

5000
61405

5000
5000

~~13.551 682 155.1~~

~~CE001~~

~~1601~~

~~991~~

~~77~~

~~13.476~~

~~985~~

~~13.479~~

~~20~~

6200 4100

+ 9/4.76

13551

4157

+ 8

4149

4776

+ 7

4714

5889

13.551

682

155.1

CE001

1601

991

77

3

59



1954年
1月

24544

3

548

+22 47

DR1

+220608

9.0

+145

+220608

+220608

HN 1223

8 54.8 + 84 70

-2.0 6
-2.0

V3FU RW

(33)

+015 -034 H6-10

+34772

+015 -035

-2.0

6'0

~~Wendy~~

0.125 175 825 2803 + 60 21 -031 Martin

+0259

+025 -033

49.525 1805.7

18.10 1804.7

+0215 721-018 56.9

66

20

4

4

Mr. Allen

4

3.900

34.660

30.000

- 33.000

4.05

6.000

67.56

150 49

- 2.000

0.399

- 0.045

0.916

53.755

+2

0.688

- 0.655

0.684

0.319

- 100.718

-12

- 29.756

0.641

0.728

- 0.243

- 00.812

-2

- 5.665

60

+0036 ± 4.2 -04163.3
+0038 -043

24843 3 55.2 +38 42 901 +22.08

6.2 +042 -041 66
+048 -045 6(2)

24843

2272
4770

9.158
-183

8.975

29.441
39.550

8.985

9.071
0.74

0807

9.155

+0105
+064
157

1899.2 +38 41 53.69 1892.4

+0037 -0358 1050 2.36

+0036 -0362 56.05

33.0 1925.6

22.78

55.78

-1.56 838

54.22

+279

54.4 1946.09

53.78

+53.94

54.17 = 1.89

36.6

+038 -038

5.61

717

358

43.4

955 519 625 790 1645-045 +22.0 -026 +14 -166

-041 024 025-015 -123 232 +17.2 +9 +15

-3 +38-2 01

+32-19-5

~~-5 +41-4 009~~

+34-23-5

+10685

3

55.8

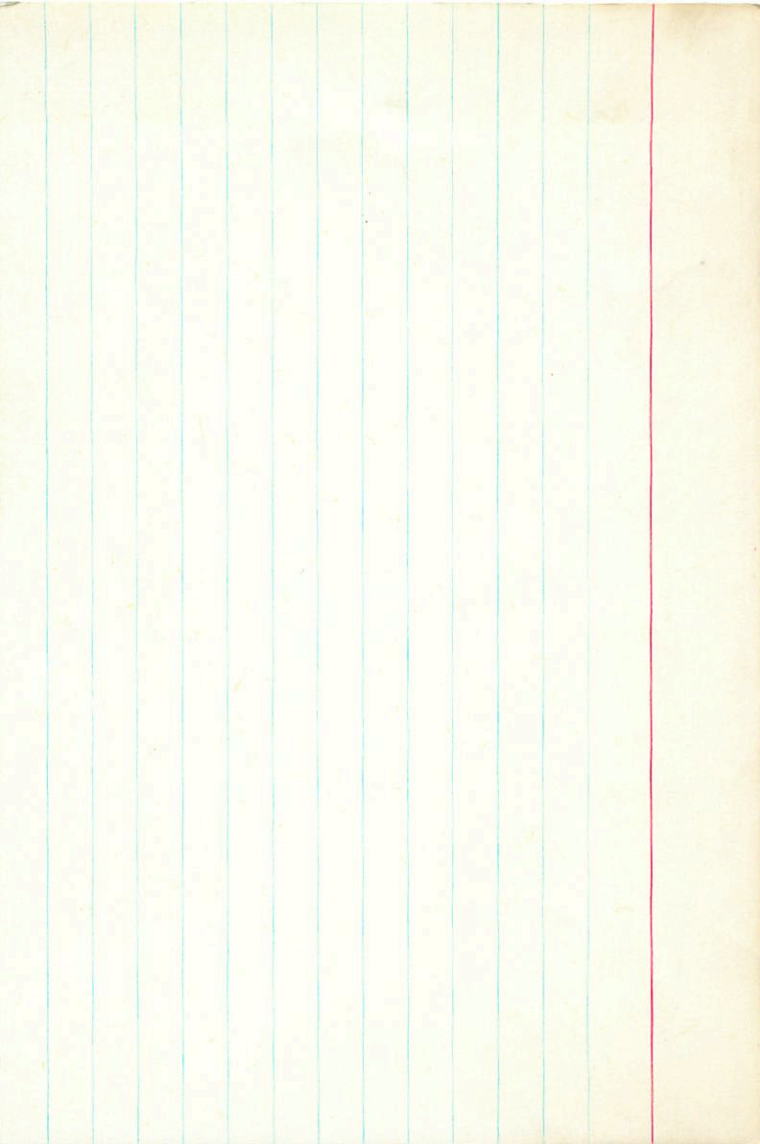
101

15

911

+3466

- 866-000



25165 3 57.2 -12 43 5.9 gms -5.1

2283

4791 9.286 1910.1 -12 42 53.34 1908.2
0320
318

58.975

10.222

9.299

312

325

3

9.318

325

325

3

-0001 -034

-0002 -036

-0003

25.8

331

+ 013

1748

9.318

325

3

52.13

70.85

18.12

52.73

-1.07

53.77

+ 013

53.2

53.24

53.24

52.13

70.85

18.12

52.73

-1.07

53.77

+ 013

53.2

53.24

53.24

52.13

70.85

18.12

52.73

-1.07

53.77

+ 013

53.2

53.24

53.24

52.13

70.85

18.12

52.73

-1.07

53.77

+ 013

53.2

53.24

53.24

52.13

70.85

18.12

52.73

-1.07

53.77

+ 013

53.2

53.24

53.24

52.13

70.85

18.12

52.73

-1.07

53.77

+ 013

53.2

53.24

53.24

52.13

70.85

18.12

52.73

-1.07

53.77

+ 013

53.2

53.24

53.24

52.13

70.85

18.12

52.73

-1.07

53.77

+ 013

53.2

53.24

53.24

52.13

70.85

18.12

52.73

-1.07

53.77

+ 013

53.2

53.24

53.24

52.13

70.85

18.12

52.73

-1.07

53.77

+ 013

53.2

53.24

53.24

52.13

70.85

18.12

52.73

-1.07

53.77

+ 013

53.2

53.24

53.24

52.13

70.85

18.12

52.73

-1.07

53.77

+ 013

53.2

53.24

53.24

52.13

70.85

18.12

52.73

-1.07

53.77

+ 013

53.2

53.24

53.24

52.13

70.85

18.12

52.73

-1.07

53.77

+ 013

53.2

53.24

53.24

52.13

70.85

18.12

52.73

-1.07

53.77

+ 013

53.2

53.24

53.24

52.13

70.85

18.12

52.73

-1.07

53.77

+ 013

53.2

53.24

53.24

52.13

70.85

18.12

52.73

-1.07

53.77

+ 013

53.2

53.24

53.24

52.13

70.85

18.12

52.73

-1.07

53.77

+ 013

53.2

53.24

53.24

52.13

70.85

18.12

52.73

-1.07

53.77

+ 013

53.2

53.24

53.24

52.13

70.85

18.12

52.73

-1.07

53.77

+ 013

53.2

53.24

53.24

52.13

70.85

18.12

52.73

-1.07

53.77

+ 013

53.2

53.24

53.24

52.13

70.85

18.12

52.73

-1.07

53.77

+ 013

53.2

53.24

53.24

52.13

70.85

18.12

52.73

-1.07

53.77

+ 013

53.2

53.24

53.24

52.13

70.85

18.12

52.73

-1.07

53.77

+ 013

53.2

53.24

53.24

52.13

70.85

18.12

52.73

-1.07

53.77

+ 013

53.2

53.24

53.24

52.13

70.85

18.12

52.73

-1.07

53.77

+ 013

53.2

53.24

53.24

52.13

70.85

18.12

52.73

-1.07

53.77

+ 013

53.2

53.24

53.24

52.13

70.85

18.12

52.73

-1.07

53.77

+ 013

53.2

53.24

53.24

52.13

70.85

18.12

52.73

-1.07

53.77

+ 013

25246 3 57.6 -57 15 F2 14

HRTMS
BCHMS

RMV ③

604 + 044 (01) C

223 077²

472 $\frac{+83}{83}$

63.5
51

3.15

.227 .169 .526 - ② 501 324 -

6.04 .300 .173 .534 2.638 1,2,10,8,1

6.04 .289 .171 .530 2.638 ④

15
+0029 + 009

stay GC +30

+15.0 +9.5
335
+30
+00302 + 0119

91
+2.4

+0222 - ~~100~~ +031009

PS102

HR1223

64750

3

5 Aug

+10

11

10

1245.000*

3.000*

57.600*

-57.000*

-15.000*

3.031*

0.009*

3.150*

42.658

15.000

37
5491

0.096

0.010

4.374

516

-0.034

-0.700

Sp. O. P₂ +0007±2.3
+0013 +010

362⁹ Eui 3 57.8 -24 09 +24.00

17R1240

4.62 -0.11 Ap

+010 +012.60

25247
2288
4801

1248.8 Aulst

9 25.10 19006

-24

47.488 1901.7

034
454

-59
25.69

41.26 1933.96

25.33
+ 3.30

43.541
3.909
47.450

35.2

14.722
24.524
-1.020

67 380

+ 3.30

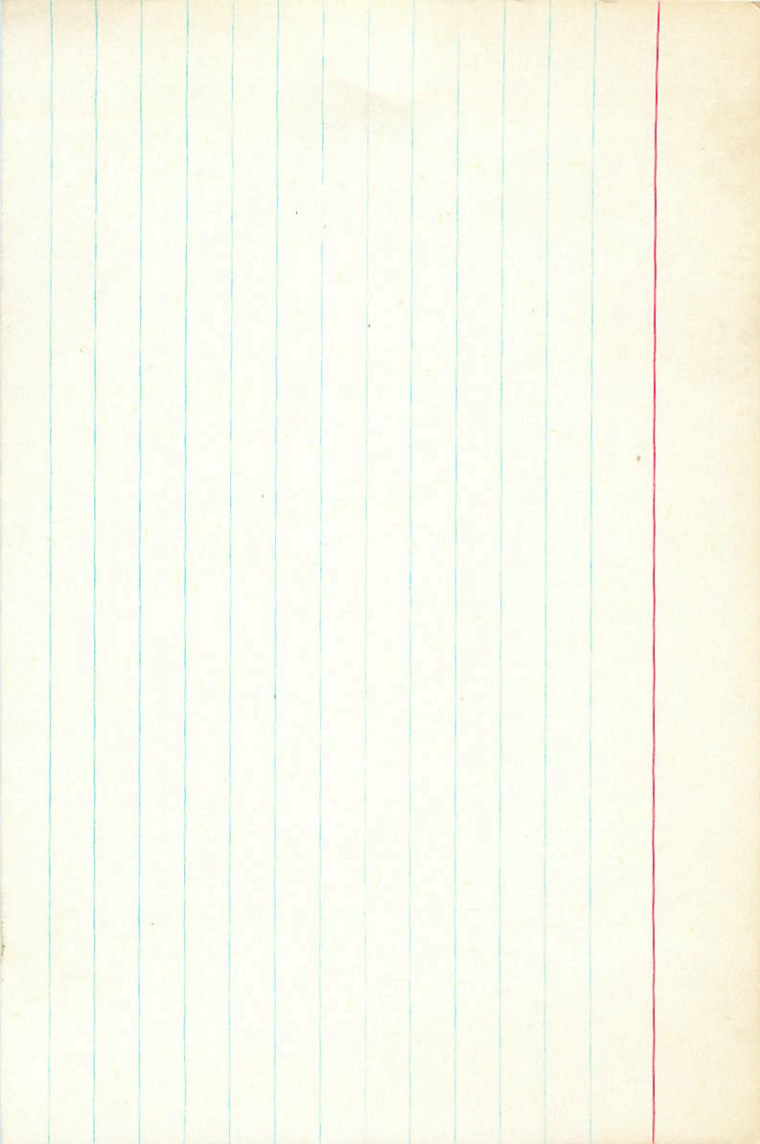
47.457
+ 491

500
+ 046

25.56
25.29
+ 1.8

1939.92

36.9
36.3



$$\begin{array}{r} +0011=2.2 \\ +0005 \\ \hline \end{array}$$

$$254223 \quad 3 \quad 57.9 \quad -61 \quad 32 \quad 4.4 \quad M2 \quad -1.48$$

$$\begin{array}{r} 2292 \\ 84806 \\ \hline \end{array}$$

$$\begin{array}{r} \text{SPut} \quad 56.952 \quad 1907.0 \\ -0.47 \\ \hline 90.5 \\ \hline \end{array}$$

$$\begin{array}{r} 56.950 \\ -51 \\ \hline 929 \\ \hline \end{array}$$

$$\textcircled{41.1}$$

$$\begin{array}{r} 929 \\ \hline +019 \\ \hline \end{array}$$

$$\begin{array}{r} 56.930 \\ -12 \\ \hline 918 \\ \hline \end{array}$$

$$\begin{array}{r} 27.05 \quad 1902.3 \\ +57 \\ \hline 26.78 \\ \hline \end{array}$$

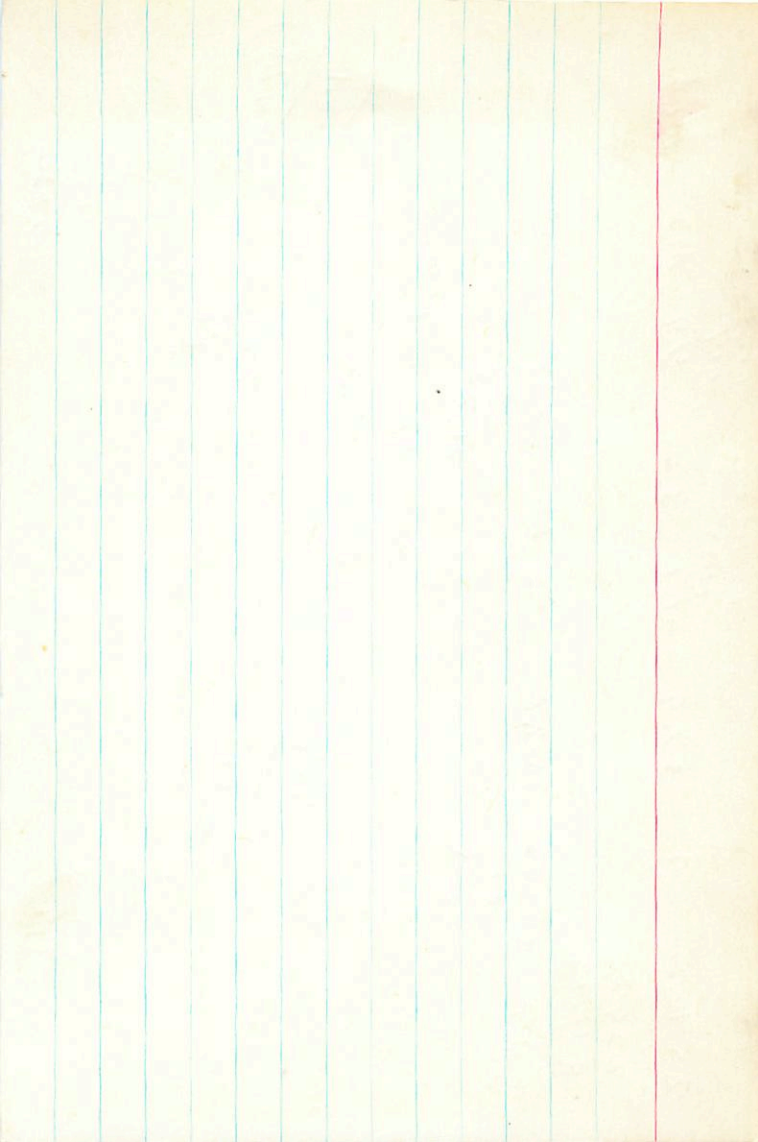
$$\begin{array}{r} 27.57 \\ +8 \\ \hline 27.49 \\ \hline \end{array}$$

$$1940.61$$

$$\begin{array}{r} 9622 \\ 48.1 \\ \hline \textcircled{47.8} \\ \hline \end{array}$$

$$\begin{array}{r} 27.42 \\ \hline -0.66 \\ \hline \end{array}$$

$$\begin{array}{r} 27.41 \quad 1955.61 \\ +5 \\ \hline 27.34 \\ \hline \end{array}$$



S Put 3 57.9 -61 32 M2 -1.48

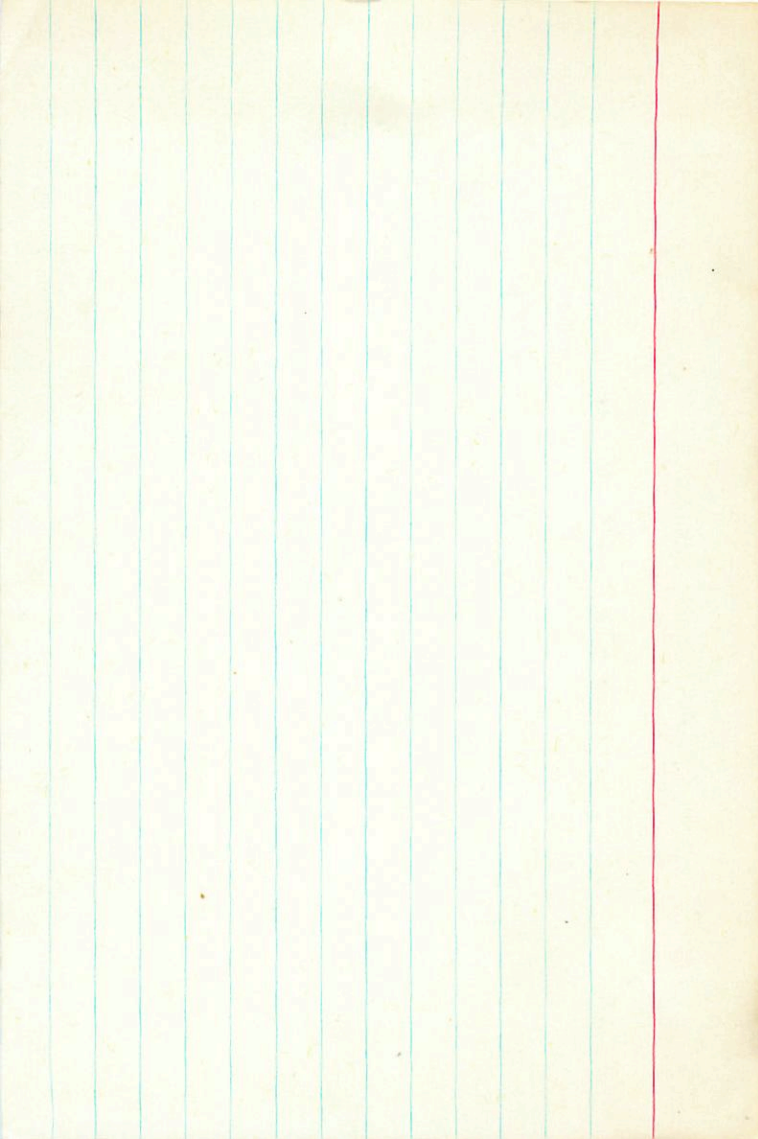
1+R1247 4.56 +1.64 Cycle

+005 -012 G-C

+014 -013 M30

+006 -017 F

+009 -013



25230

3

$+0026 \pm 2.0$ -076 ± 1.9
 $+0017$ -071

58.2

+20

04

6.8

g 24 +21.26

2294

4812

~~14.417~~ ~~1407.4~~

484 (9)

41.965 1846.9 +20 3 38.52 1893.9

$\begin{array}{r} -136 \\ \hline 827 \end{array}$

$\begin{array}{r} 11.880 \\ 10 \\ \hline 890 \end{array}$

$\begin{array}{r} 44.562 \\ 27.258 \\ \hline 11.820 \\ 865 \\ +18 \\ \hline 883 \end{array}$

$\begin{array}{r} 888 \\ \hline 888 \\ +058 \\ \hline \end{array}$

$\begin{array}{r} 11.874 \\ +16 \\ \hline 890 \end{array}$

1928.04

35.9

$\begin{array}{r} 4.26 \\ \hline 42.78 \end{array}$

$\begin{array}{r} 39.84 \\ 25 \\ \hline 40.09 \end{array}$

$\begin{array}{r} 24.61 \\ 16.70 \\ \hline 41.31 \\ -1.38 \\ \hline 39.93 \\ +17 \\ \hline 40.10 \end{array}$

$\begin{array}{r} 40.10 \\ -2.68 \\ \hline 37.42 \end{array}$

$\begin{array}{r} 40.10 \\ 34.65 \\ \hline 74.75 \\ -39.26 \\ \hline 35.49 \end{array}$

1434.2

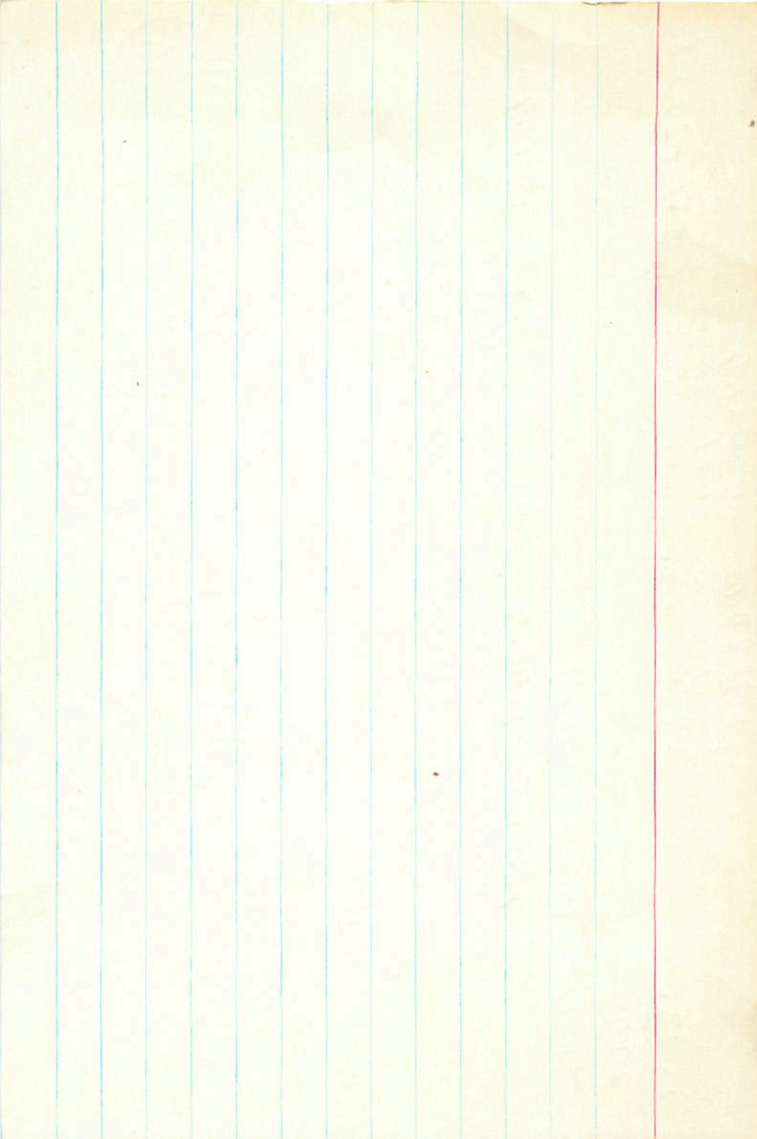
1924.52

31.8

37.9

$\begin{array}{r} 917 \\ 206 \\ \hline 36.7 \end{array}$

37



805/6 +41.750

3 43.6 + 41 17

29 23439

963 487 302 149 2523

095 257A
3

24203

815 40.

7 454 + 53 05 485

-50

-246

815 405 187 273 (2)

C0269

0235-059

4440
34

58
57
2.5
5

32

24544 3 548 +22 47 dM1 +2668

+220608

9.0

+145 +032 8

