

4/1/2000

56243

7 15.6

+59

21

6.9

GR5 +8.18

4826

9711

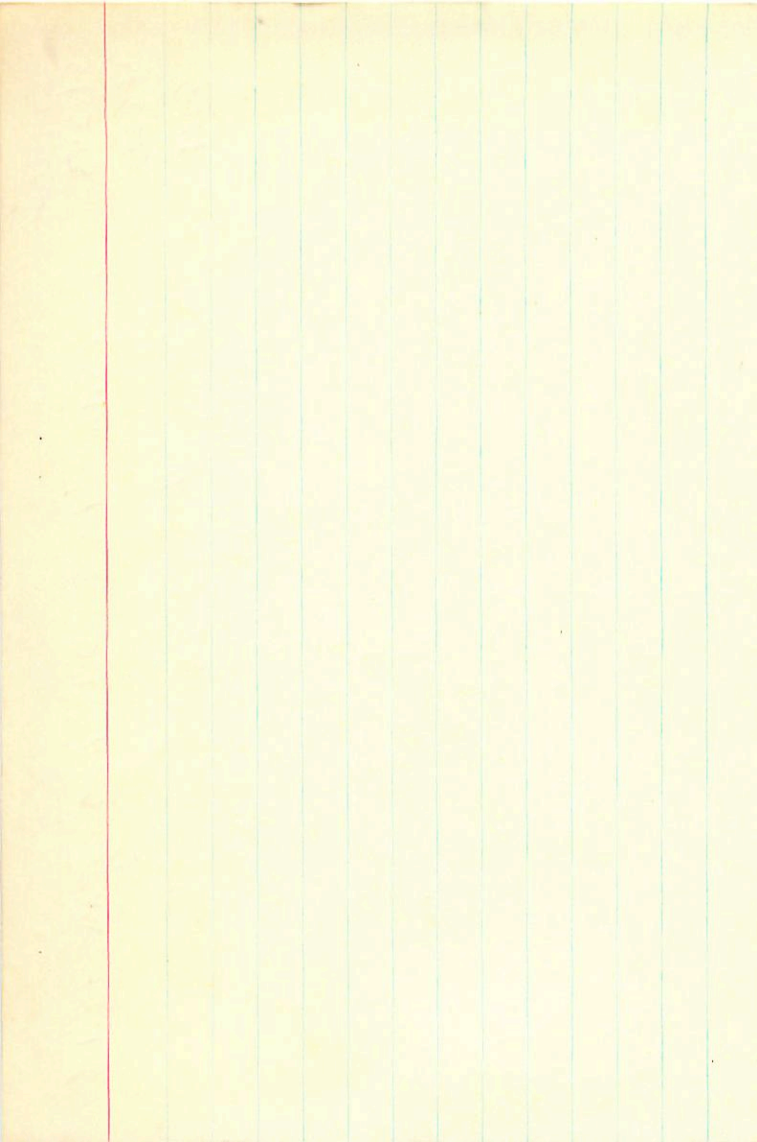
-0019

14

-035

N30

-0006±2.6 -032±1.9



464°417

RM 10000 7

16.4 189 46 -210

477 1/2 94.8

1015 1000

374 2

4 0.153

-344 -591 730
-0244 -0224
-0352 -17.5

-322 804 500
-0275 1004
-0200 -12.0

882 063 464
+0751 +0024
+0751 -11.2

+640417

+0035 ±5.7
-0033
+002 ±5.4
+014

~~53.27~~

20.571 19025
-166
405

20.27
0.44
314
-091

53.27 19010
-10
53.17

53.7
-11
1930.1

53.59
+41

0000 +008

+650544

-008778.0 -316511.3

24

56194

7

15.9

-0117 +65

-325 32

9.4 d60 +36.44

9720

4831

56.55-9

1507.1

+65-31

3929

19100

$\frac{373}{2}$

$\frac{1244}{}$

8.44 ~~386~~

198350

56.93

$\frac{51.93}{}$

~~546385~~ 187

786 193

56.614

45.57

1930.0

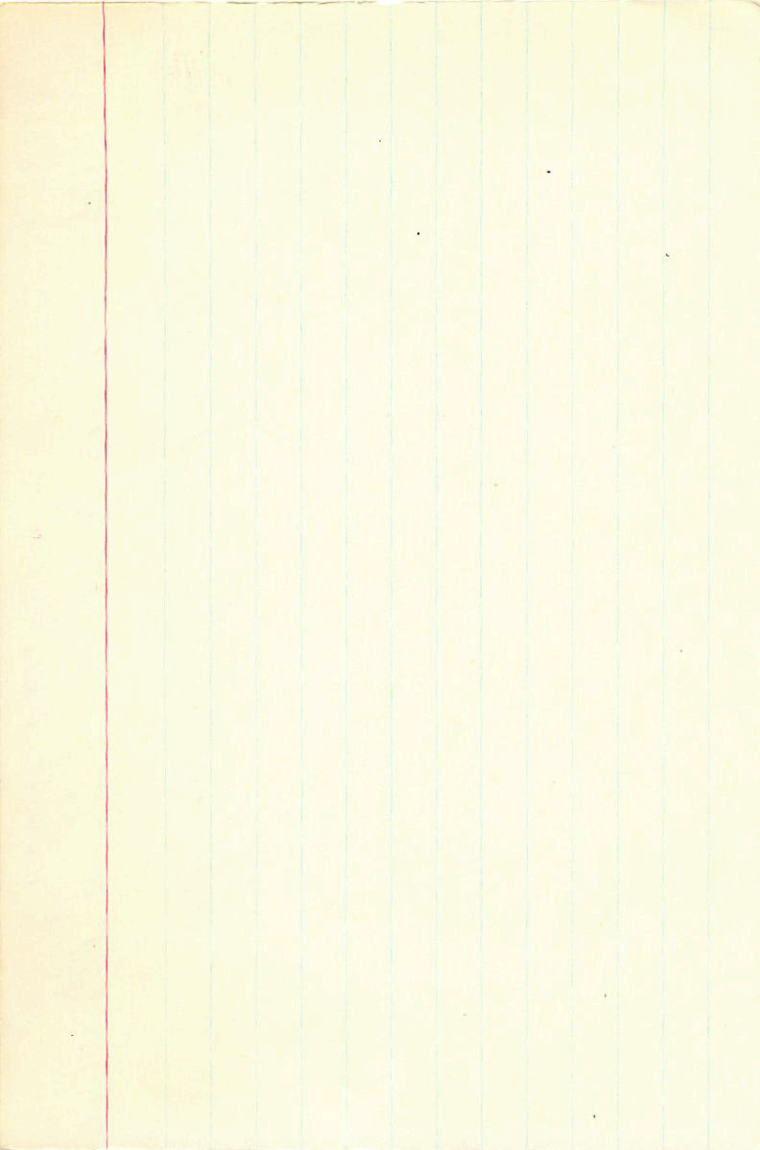
$\frac{664}{}$

$\frac{45.43}{}$

-0109

-068

-319 RP



Run 7 16.4 +69 46 -27.0

HL 90417

20.571

+6035.57
1502.5

+602.5.4
53.271901.0

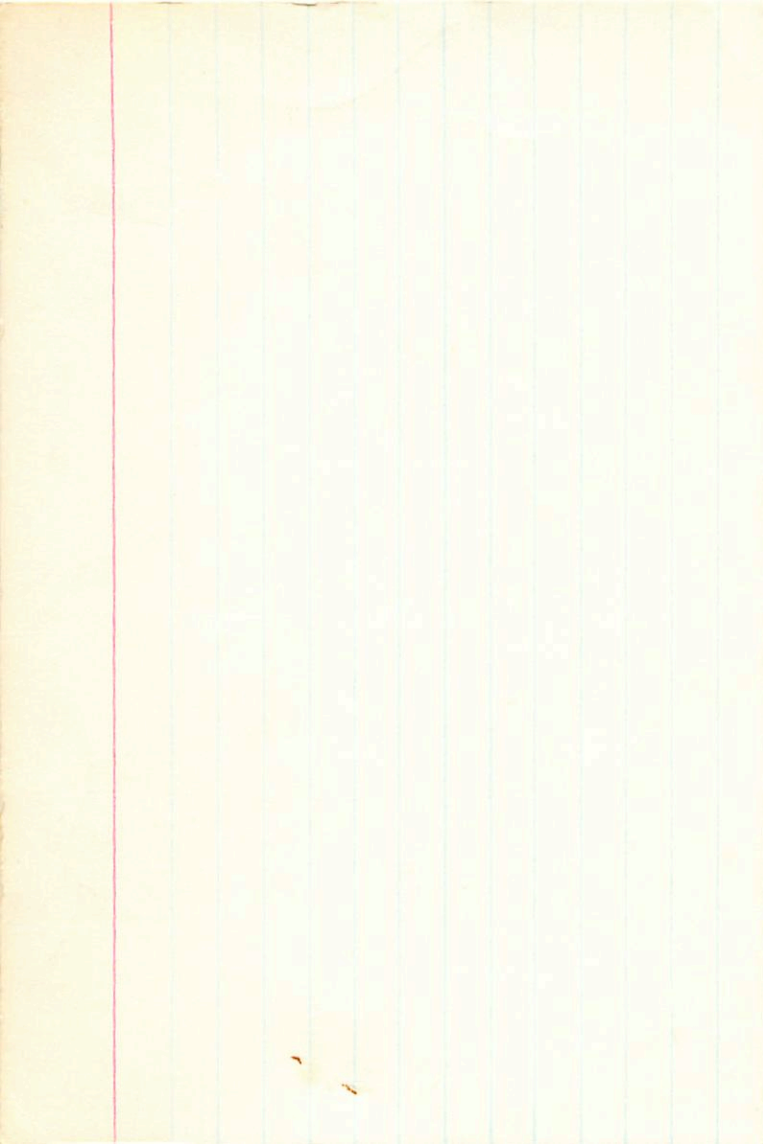
20.27

$\frac{.33}{\cancel{1.1}}$

53.7

1530.1

$\frac{-11}{53.59}$



5706 7 12.1 +7 14

F8
443
179
27

H102779

6-4975-2

5.90 + 53 + 05 C

(491)
199

68 Bvd W

[m] 230 +17

1338 .169 .402 ③ SOC 2.6215 C.T

[c] 394 97

114
+2.6's

+15
20 po. +147 -12.3 4.5

5
+0043 = 4063
-059
+22.1

u
u

32

+0044 -060 ± 6.0
+00425 -055.2
+0030

+069-061

+22.1

15 Oct

82



281° 2'

991° 8'

180° 0'

570° 43'

684° 8'



APR 2005 7 12.5 442 44 6.44 120

5641
976

31459 15017 -0014 445 -05023.7
+68 240 1998.1 0
260

527 -8 W85D
500

00141-6340
W17 -3754+0006 +45

00133 -0394 -0043 7047
7963 -9469 04 +45

0146 -016-034
-014/047
0070 574

31435 -0245 195202

+28
4963
064

0245
-33
262

72

1872

1872

1872

1872

1872

1872

1872

1872

1872

1872

1872

1872

6,295

~~11~~ +

0,993
-0,117

W

-15,634

-16.8

0,073
-0,198

48,517

44

0,917
0,065

45,888
100,000

106.5

5,000*
-0,047*
-0,014*
44,000*
42,000*
12,500*
2,000*

2775,000*

5686- 7571-
 1472 6196

504-700

103-103
 103-103
 103-103

5530 4145
 4332 4077

1131 1227
 1137 1137
 1137 1137

1317 115
 1317 115
 1317 115

1317

181 4 27 4 9
 181 4 27 4 9

181

H5

P=0.20

RIR Mem

2 18.4 +31 00

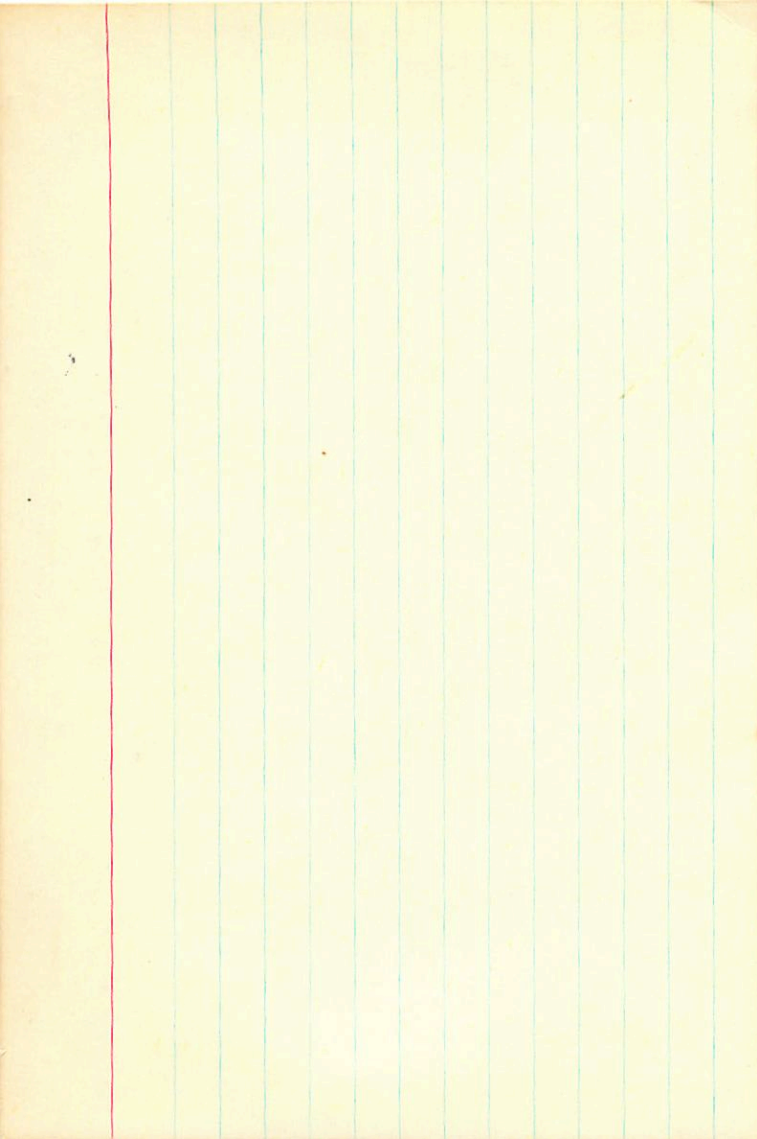
+802w(3)

and 11.5 vi

-010412 +014512 L

+00459 +01059

-00257 +01157 VS



57103

7

186

455

23

BY 15"

2248 AR

) 18.4 - 8 47

-2.5 2580

-5.4 ✓

-6.3

+081 -159

+033 -158

-5.9 (18)

7.3

-8.8

+33

-158

21.56
-6.3

✓
x 29
x 4

98

—

Handwritten initials

7.300
-8.800
33.000
-158.000
2.550
32
-6.300

-0.354
0.600
0.717
260

-0001 ± 6.4 + 001 ± 5.1

57509 7 19.1 -05 48 6.6 138m + 17.06

4846

9810

7.350 1858.4 -5 48 5.51 1896.2

386

-05
5.56

53.7227

17.88

13.6445

-073.08 1934.20

7372

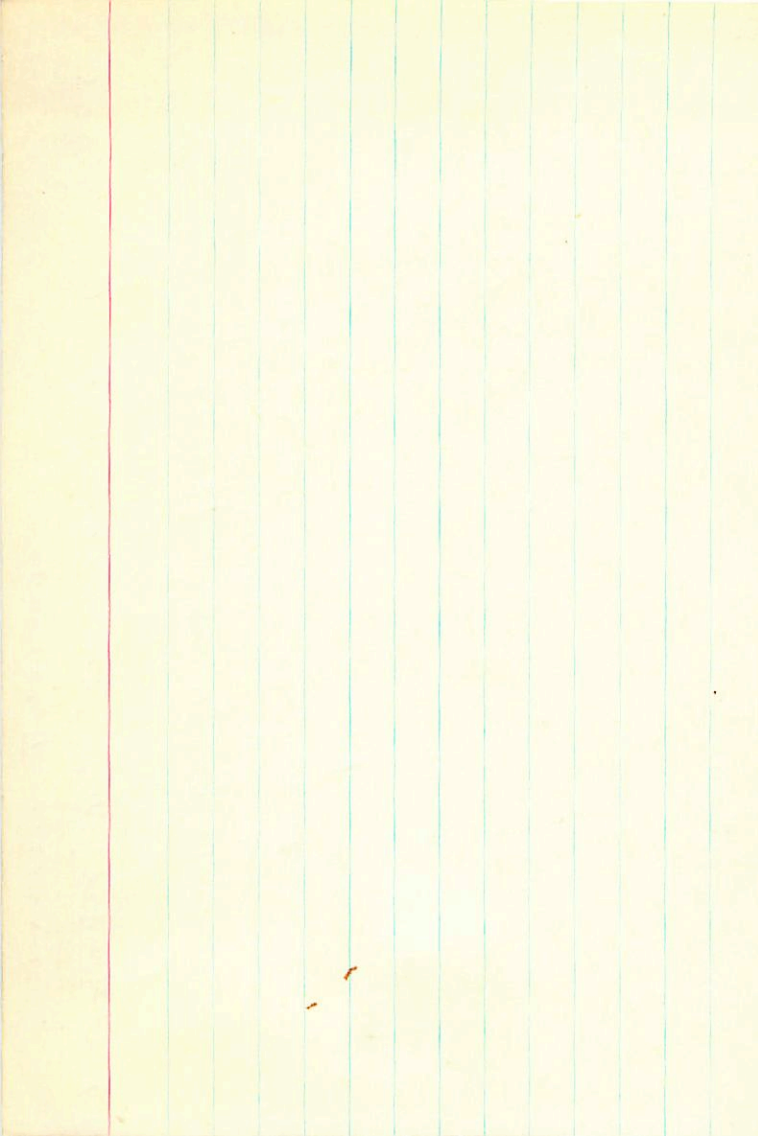
370

24.88
1.25

352

004

6.231
5.82
0.26



Vyasa 7 196 +46 11 -300 1970

B 001 Tok 00 -119 -232

A -300 ①

A

-172

B +194 ①

10.52 1.76 1.03

~~001 Tok 00~~

-232

1.0

0.89

$I = 862$

-30

K 649

$I = 4650$

K 150

8



M : -54.310
 RM : -528.335
 d3 (M) : 0.410
 d5 (M) : 0.538
 d1 (M) : 0.881

A : -11.454
 RA : -829.348
 d3 (A) : 0.130
 d5 (A) : 0.348
 d1 (A) : -0.314

U : -16.983
 RU : 491.553
 d3 (U) : 0.283
 d5 (U) : -0.543
 d1 (U) : -0.324

RAD * DEG : -30.000
 MODULUS : 19
 DISTANCE : 1.000
 RM * DEC : -535.000
 RM * R * A : -155.000
 DEC : 49.500
 R * A : 5.300

R.A. : 7.300
DEC. : 46.200
PM. R.A. : -172.000
PM. DEC. : -232.000
DISTANCE : 1.000
MODULUS : 16
RAD. VEL. : -30.000

q1 (U) : -0.354
q2 (U) : -0.243
q3 (U) : 0.903
dU : 467.223
U : -19.683

q1 (V) : -0.314
q2 (V) : 0.940
q3 (V) : 0.130
dV : -856.948
V : -17.474

q1 (W) : 0.881
q2 (W) : 0.238
q3 (W) : 0.410
dW : -758.332
W : -24.310

81

57 Q8
-121514

7 19.0 12.33 E/BK (2)

993 581 571 207 (3)

993 578 624 202 (1)

580 649 205

9422313

G-85-10 7 19 43 +9 00.1 9.37 +91 +66 (00) " 32 152

85-14 19 48 +8 55.2 10.88 +46 -19 (20) .32 152

2617 ^{White} ~~3658~~ (20) 259

89-13 +18625 -3265 F2 +90 K.27

Samuel

25

1
1

289-14

) 1947

+8 5-8.2

344" (16^m)^{9m}

197 - 225

10510 046

f=19023

7.3

+919

149

f=217

-228

6.4

-36.7

26

28

PM :
 DISTANCE : 191
 MODULES :
 RAD. VEL. :
 q1 (M) : 0.881
 q2 (M) : 0.437
 q3 (M) : 0.182
 DM : 44.473
 M : 1.795

q1 (U) : -0.314
 q2 (U) : 0.827
 q3 (U) : -0.467
 DU : -1296.85
 U : -229.984

q1 (U) : -0.354
 q2 (U) : 0.354
 q3 (U) : 0.866
 DU : -708.647
 U : -166.794

PM :
 DISTANCE : 191
 MODULES :
 RAD. VEL. :

28

57603
+1401648

7 798 +14 02 N, 11

-6.2 Ruffin

+002-036706

+004-0378-C

+0025-0355

+003-0351

7.98+1075 +0.57(2)

7.59+037 (3)

7.33

6.9

6.9

CS





57603.000*

7.000*

19.800*

14.000*

2.000*

0.003*

-0.035*

6.900*

239.883

-6.200

-0.051

0.891

-17.727

-0.148

-0.393

-33.073

83

-0.057

0.227

-15.026

HN2812

7 20.0 -15 5.5 127.08

+00067 5.8
-0012
-0067
-0064 5.4

57524

4894

9836

4.99 -0.07 7009-006

1.348 1910.9 -18 5.5 11.83 1908.6

$$\begin{array}{r} -29 \\ 369 \end{array}$$

$$\begin{array}{r} +25 \\ 11.58 \end{array}$$

55.229

4.070

1.299

3.00

3.27

1.345

3.50

398

25.2

21.75

49.18

10.93

-1.13

12.05

+2.27

11.7

12.34

1.79

1933.64

1222

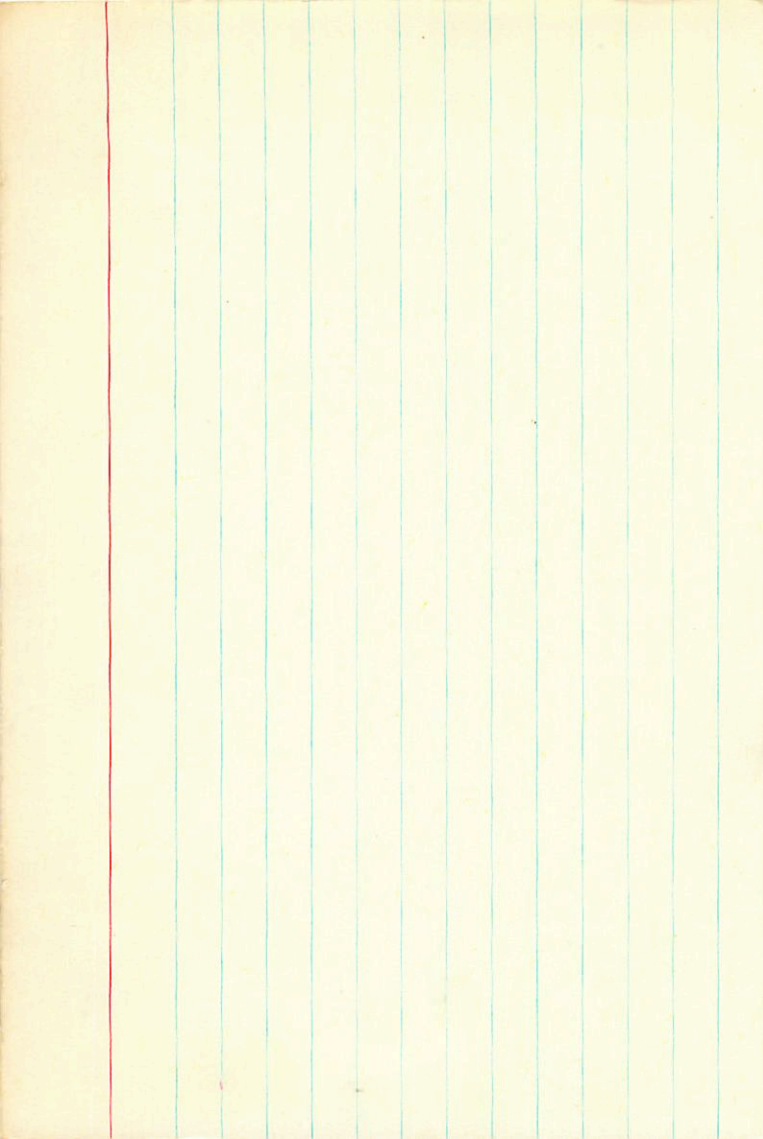
36.1

27.15

11.78

-1.20

1938.56



57728

7

20.2

415

27

20.75

1906.2

-0007±9.5
-0001

-0007±10.6
-0001

4855

9839

10.418

1903.6

415

27

20.75

1906.2

$\frac{32}{450}$

$\frac{31}{2106}$

10.422

20.94

1933.3

$\frac{23}{445}$

$\frac{25}{21.21}$

44.906
25.548

$\frac{21.03}{0.3}$

70.89
48.82

1929.14

10451

30.6

14005

22.17
21.40

102.52

10437

149

20.74

20.77
+17

34.2

46

447

20.74

20.94

25.0

10.409

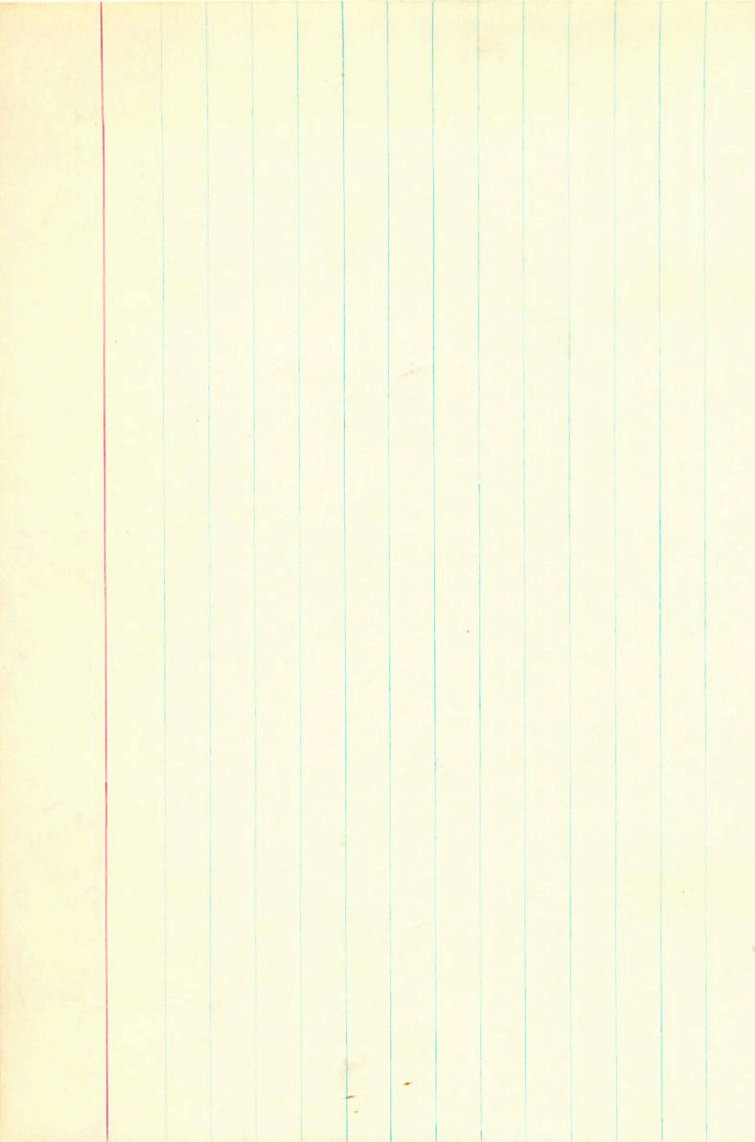
003

50.94

20.94

25.0

26
435



58038
58038

2 20 25 -35 50 7.09 75

E 021
7.0
8.0

7.0 7.7

-0033 1093 45

8.4 35

-0035 1054 46

GC 57457 B

9.87
342
156448
2125
209
202
2125
209
202

-0034 1087
0 10872-6444-3794
-0413 0963 714 9370

8.10 350 180 4449 2638

-037 1089 10036

3110 210 374
205 210

+ 1201.5
0143
4.22

283
232 327
981
93
20.4 372
t25 09
t.2a

GLS843

HDS-7727

~~10048~~ -028

ZC →

57

474

64

1829.6

4094 6

2333

1057 KM

-064

474

0948

5794

20.3
14

43.6

-362 101 927

-309 925 -222

850 364 303

41532 -0096

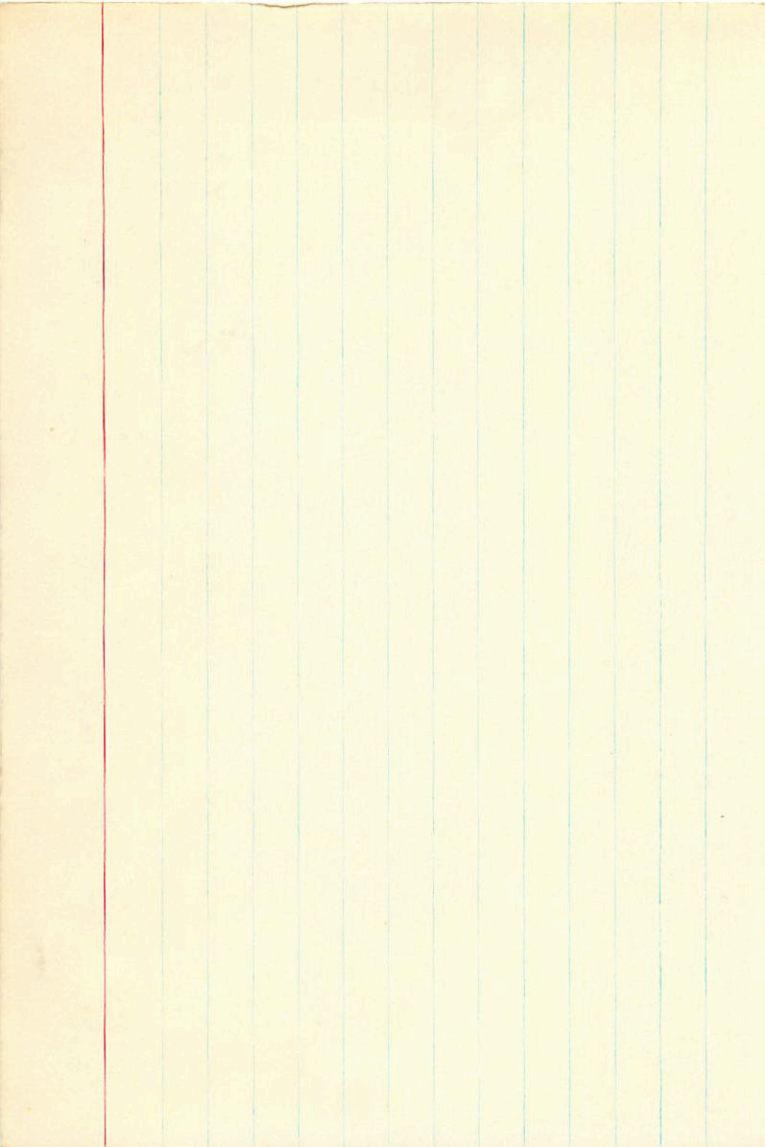
40981 -0878

-3720 -0347

4436 46.2 +5.7 11.9

40103 40.5 -1.4 -0.9

-4067 -217 41.9 -1.58



V Mem

57770

4898

+13⁰1653

7 20.4

+13

12

2.509 M42

+22⁰

+

1201350

7

2018

FWD 31

493

15500

055' 239 L

850 147

850 - 3350 } 2434

5155 - 9122 } 6282

147
850

VH (Ma

7 20.9

-25 40

8.55 9M42

449d

3w

-25⁰4441

A056033

M55re

477.8 (12)

-040

8

4019 X

3

-032

4027

!

74



1870
1871
1872
1873
1874
1875

1876
1877
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1879
1880
1881

1882
1883
1884
1885
1886
1887

1888
1889
1890
1891
1892
1893

7.350

-25.200

-36.000

22.000

9.000

631

49.000

-0.365

0.781

0.507

137.526

111.628

-0.306

0.414

-0.857

90.259

+001929.5 -040669

5-7646 7 2-11 +51 59 5.9 9125 +17.98

4909

9860 3.638 1908.7 +51 59 10.75 1509.8

-78

500

+018-04066

1236

161

6.45
57.108

62.8
-49.55

1925.1

3.558
45

1608

13.25
-2.00

3.463
481

536
024

11.25
-21

11.46

3.530

194704

11.51
-27

1944.69

581

546
16

1047
-27

1076

11.24
-24





14.161

0.439

0.040

-28.002

0.221

-0.202

20.532

0.871

0.031

17.900

158.489

6.000*

-0.040*

0.018*

59.000*

51.000*

21.100*

7.000*

07646.000*

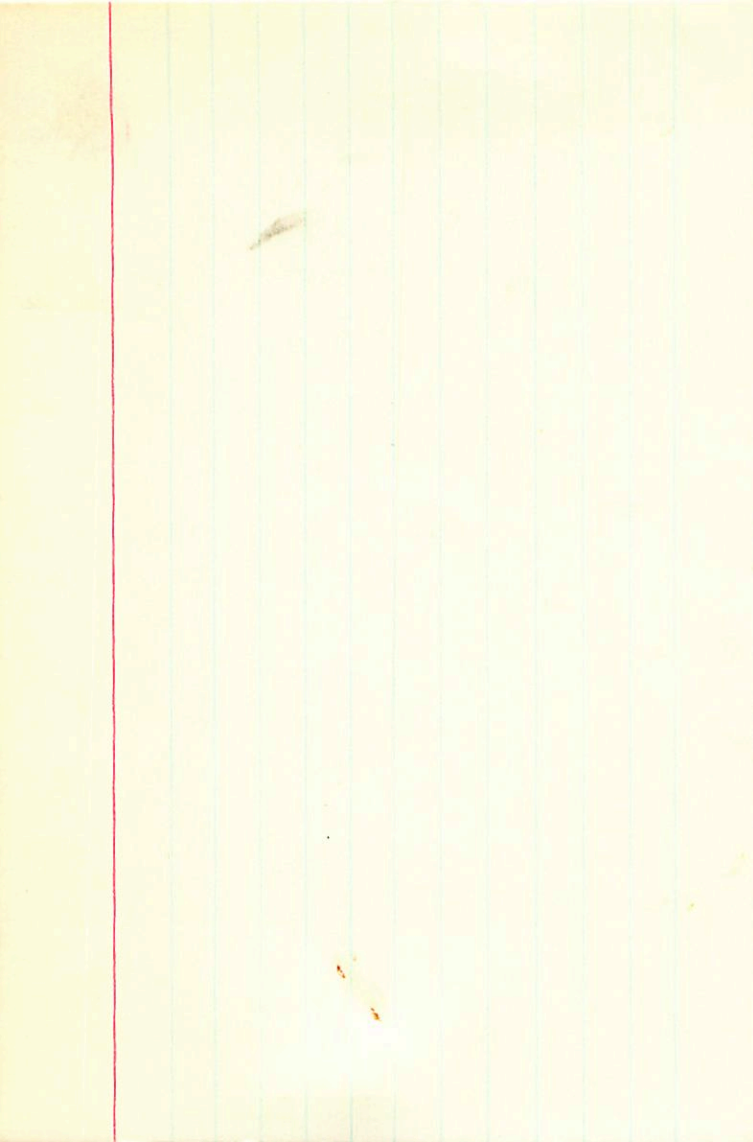


BS 2016 2 214 107 44 5.64 -4.54

59M-

toil +012.00 →

-362	053	931	-0275	+0030	-0245	-14	4.2	-5.6
-309	935	-173	-0234	+0532	+0249	+18	+0.8	+2.6
880	350	322	+0667	+0144	+0566	+5.1	-1.5	+3.6



58461 7 22.8 -13 39 5.8 dFD +2.48

4933

9905

-0135

41

-010 N30

-0152+4.7 -007 5.4.8 cc → N30

2882

~~44~~ W3 SD

-0137

-01467

-0141

-01478

24

-1365

-214

-16

3.10

+7.4

2154
213014

98

5774 7 22.1' + 66 26

2809

-01211-0342

2125 Sample

4448 -4672
4663 +8842

~~94~~

12+8-
" -0.143
214 S

8339+274-268
184+8.3-345

3.00

[5] 464
[m] 179

105.73 0.654 105.73

286 186 202 204
445

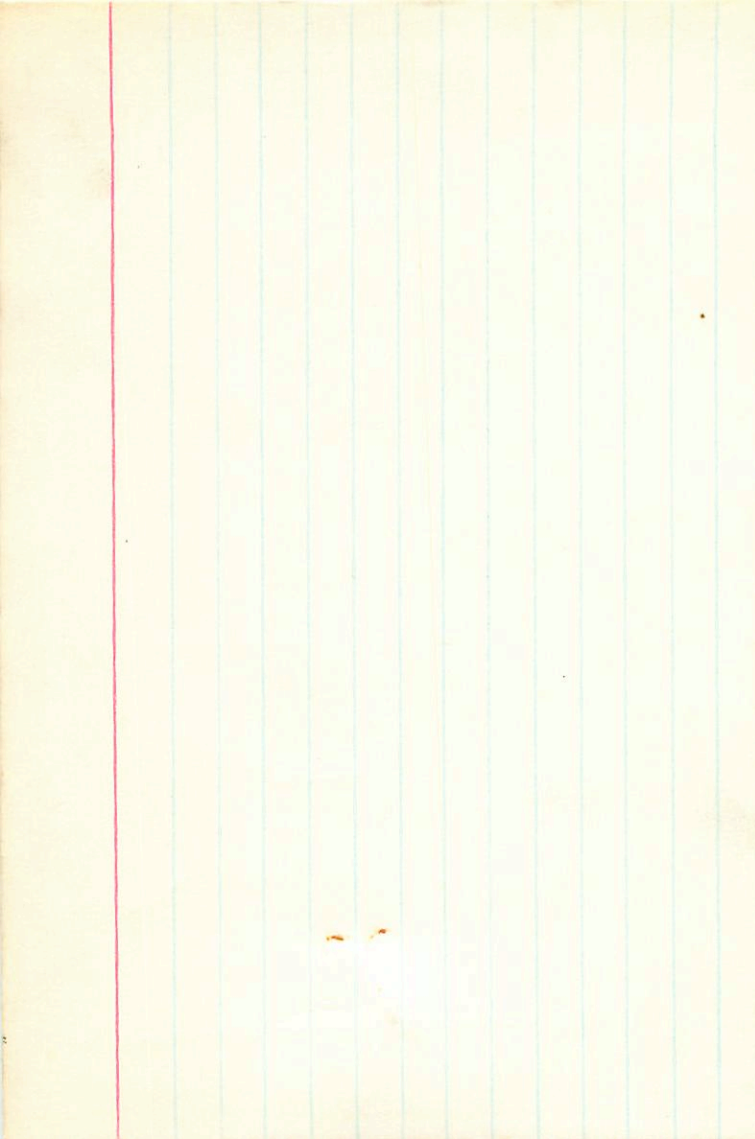
5.78+415-0.035 2345

20
213
230
235
236

G69905
H10802

7 228 -12 39 F0E

58461



58337
 1001's
 7 23.1 22.1679 22.1679 22.1679
 7 23.2 22.159 58 R4 44d

+2201680
 58364 +005 -010
 7 23.2 +21 59 58 R4 -3e
 5014 -014

1674 +004 -022
 +608 -012
 -014 -014 AGR3 +2201650

~~012~~ +605 -014 → 584
 -014 -014
 Keller in paper notes 50002

1020
 -012 025-35 +002
 +0003 -015
 -2
 +0001 -015
 +002 -015
 L.V. Zuckers
 Publishers
 Communication 189-150, 237
 1971

+0008 -012 Y
 (-3) (+1)
 +0005 -012 Y →
 +2201680
 -014 -014 AGR3
 +005 -011 Yale →

+005 -010
 +12 -26
 -604 -013

72.0
26.7

196.6 + 17.1 / 21.1 4 9991

E

24-M

3000

722016687673

8.71 - 0.04 - 0.17 88

+04

7.9

6.2

86296

ES

4.24
4.56
4.0

926 + 1345
888
56
8.3
5.8
4.0

8.54
8.16
7.44
10220
129.86

ES +

1.7

27

0.877
0.376
0.298
-38.601
-38.601

-0.299
0.914
-0.275
-51.072
-51.072