

91623

4 54.8

-1 10 F2

6024 202-556-472 +1059

HC1591

6.22 +0.42 +0.04 C T

066043

272 165 649 2.650 +2.5V

1270 182 / .660 2599 414 -  
1267 / .167 / 1661 2 Benz 1300<sup>71</sup>  
2.658

222 -3 +1.7

6.06 167 / 164

268 .174 66.0 2.658 (3)

180 458 848

-599 939-307

780 453-432

-0350 -0850

+1164 -1261

-1516 -0773

-1200

-0097

-2289

+11.0

-4.0

-5.6

4132

1041-036 655

31826

4

555.3

-44

16

$K1 \text{ III} - \text{IV}$

+25.5  $\pm$  0.6

$\epsilon_{3/4}$

6051

7.81 + 1.15 = 2.25

+0047  $\pm$  10.0

+0034

+0003

$\epsilon_{3/4}$

19.492 1500.8

-46 16

11.43

1898.5

$-\frac{231}{126}$

+5044 +006

$-\frac{31}{11.74}$

33.813  
45.530

403

31.54 1928.26

8218  
41.1

19.3 14

806  
403

21.15  
20.81

1162

42.6

257  
344

+137

11.61  
11.68

+12

19.474

10.53

1553.92

-14

-1

402

10.57

31579  
2934

4

-0010 ± 3.0  
-0010  
-0010

-010 ± 2.3  
-0019

55.8 + 53 0.5 6.4 9113 - 2.38

6062

46.916 1895.0 + 53 4 51.51 1891.2

$$\begin{array}{r} 055 \\ \hline 971 \end{array}$$

$$\begin{array}{r} 47.450 \\ 59.380 \\ \hline 46.880 \\ 620 \\ \hline 935 \end{array}$$

83

$$\begin{array}{r} 928 \\ \hline -043 \end{array}$$

$$\begin{array}{r} 46.915 \\ \hline 15 \\ \hline 95 \end{array}$$

$$\begin{array}{r} 46.400 \\ +10 \\ \hline 914 \end{array}$$

$$\begin{array}{r} 58 \\ \hline 52.09 \end{array}$$

1926.2

$$\begin{array}{r} 30.8 \\ 22.759 \\ \hline 53.549 \\ 52.09 \\ \hline 51.459 \end{array}$$

191

$$\begin{array}{r} 57.64 \\ \hline -45 \end{array}$$

1944.50

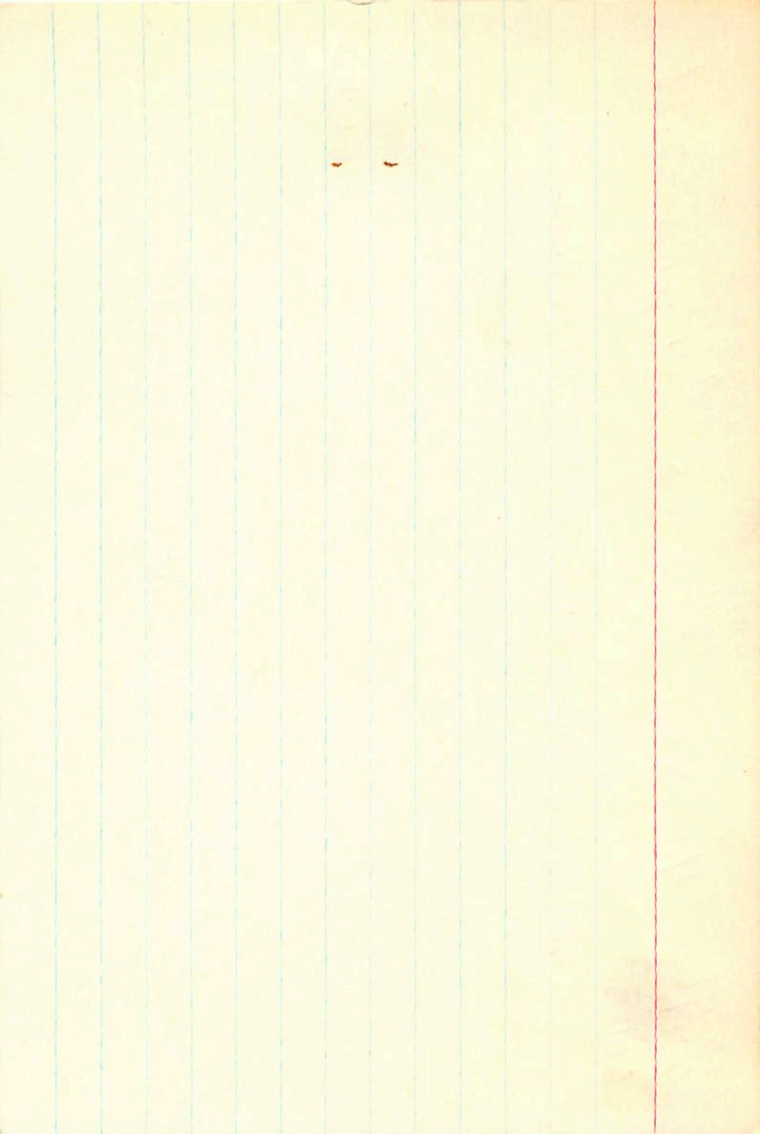
$$\begin{array}{r} 57.89 \\ 57.227 \\ \hline 51.6 \end{array}$$

441.2

$$\begin{array}{r} 11267 \\ \hline 39.2 \\ \hline 48.0 \end{array}$$

1946.97

$$\begin{array}{r} 51.68 \\ -25 \\ \hline 5143 \end{array}$$



31871 4 56.0 -35 16 R014 +62.3 4C

F0861 35359 8.94 +1.04 (2.15) +643①

~~003~~ +0.034  
+2 0  
-001 +0.34

4x6  
-0012 +0.31 564

8.98 +1.05 +0.88 ①

8.62 +0.335 ②

829

7.8 7.5

-0116

-611 +0.30

31871.000\*

4.000\*

56.000\*

-35.000\*

-16.000\*

-0.011\*

0.030\*

7.500\*

316.228

62.300

0.117

0.421

63.330

0.093

-0.672

14  
-12.415

-0.022

-0.609

-44.838

31312

4 56.0 +24 12 9114 -57.88613

G-6070

6.06 +1.57 +1.83 14577 R

W2439

+740229

HR1572

-57 -32 +14 .006

43

±3

7025 7036 GC

7015 7033 GAZ

7022 7035



$$\begin{array}{r} +0062 \pm 3.1 \\ +0037 \end{array}$$

$$\begin{array}{r} +036 \pm 2.8 \\ +43 \end{array}$$

$$\begin{array}{r} 57.828 \\ - 381 \\ \hline 447 \end{array}$$

$$1888.5$$

$$+74 \quad 11 \quad 44.36 \quad 1889.7$$

$$\begin{array}{r} 57.606 \\ \underline{58} \\ 664 \end{array}$$

$$\begin{array}{r} 1253 \\ \underline{626} \end{array}$$

$$\begin{array}{r} -2.17 \\ \hline 42.19 \end{array}$$

$$\begin{array}{r} 44.66 \quad 1944.41 \\ 0 \end{array}$$

$$\begin{array}{r} 57.552 \\ \underline{69} \\ 1589 \end{array}$$

$$+179$$

$$\textcircled{48.7}$$

$$43.9 \quad 1930.1$$

$$\begin{array}{r} -9 \\ \hline 4381 \end{array}$$

$$\begin{array}{r} +15 \\ \hline 37.2 \end{array}$$

$$\begin{array}{r} 847 \\ \hline 44.24 \end{array}$$

$$\textcircled{47.5}$$

$$+2.05$$

Ally

5582

132345

20157

490

423

$\frac{420}{+13}$

+11

grand.

(X) (X)

4 56.2 -10 57

5.90 + 1.82 + 149 (2) E

5.31 + 0.435 (3) E

10.17 + 0.83 + 0.50 (6) E

9.96 + 0.265 (2) E

$\frac{5.7}{4.2}$

13 III - 12

674



+0062±

-074±

31782

4 56.5 +25 52 -67.5 00

+250766

7.3

NO 00 00

7.29 +0.80 +0.43 NO 00 R

31.930 1909.5

+0.29

32.22

S = 00

+25 51 46.50 1911.5

+8

46.58

-083±

-074± W<sub>2</sub>

-057±

-075± X

-72 -7 -25 .015

-70 -5 -8 .030

-70 -5 -5 .035

962 274 437 900 -057 -083 -074 -67.8

-632 -30 -316 +080 055 036 -023 -064 <sup>009</sup> ~~335~~ -043 -610 -17 -59

-057 -074

303 -071

-17 -43 -34 74 77 72 085

-7 -60 -35 040

-73 -5 -3

→ +3 -64 -51

-90 -8 -15

015

7.12 295 162 473 21100

31499

4 56.7 + 69 05

+123

6074

0175 ± 42 - 086  
- 077 ± 39

42.087 97.3 0176

20.16 96.2

(2) 922

0166

4.14

7.12 294 182.473  
41.165

2430

41.964

14.53

20.13

24

498

17  
115

174 - 083

42.151

57.97

19.13 1710 - 0826

21

173

247

- 84  
50

493

19.11 0915

180-880



15

A0535FF

4 56.8 -14 27

+21.28

H031925

.0227

+29.8956

5.65 +0.41

-141 +150 66

5.66 +0.45 (1.57)

S = +07

==



942 272 -258 959 -141 +150+34.28 -042-9 652  
136 040 -038 -011 696 0 +30.0 +7 +29 0277

+32 +29 +16

+35 +13 -26

4053588

-0098±5.1 +150±4.6  
-0087 +140

31525 4 56.8 -16 27 8.26 1910.9 1259 +31.28

2948

6082 47.025 1914.0 -16 27 8.26 1910.9 1259

$\frac{353}{378}$

$\frac{14.12}{-5.86}$

(20.3)

$\frac{36.3}{25.4}$

39.856  
7.318

28.83  
18.82

1934.3 /

$\frac{47.174}{47.184}$   
 $\frac{+20}{-20}$

$\frac{10.09}{-1.18}$   
 $\frac{11.19}{+3.24}$

$\frac{10.53}{+3.57}$

47.157  
+6

$\frac{10.84}{10.54}$   
 $\frac{10.84}{+3.0}$

1939.26

47.219  
+2.40

$\frac{10.35}{-1.18}$   
 $\frac{10.53}{10.53}$

10.29

32227

4 572 -58 17 686 1.50 2.55

124 45.5

666091

-10 +6  
-0021 -004  
+0017±6.4 +00.4±6.4

12.441 1901.5  
82  
12.359

-0022 000 58.92 15000  
+0007 +003 59.12<sup>10</sup>

47.524  
24.780  
22.794  
3

14.69 1929.57

16.45  
58.24  
44

58.95  
14

22.797  
11  
246

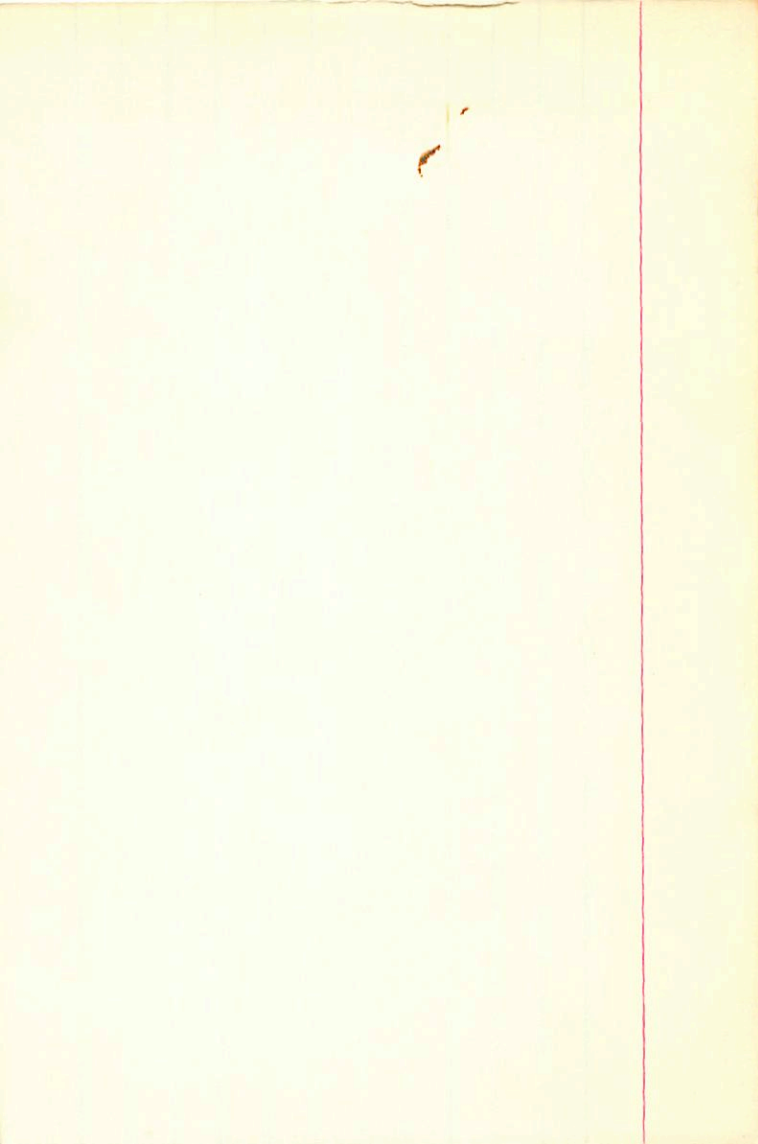
38.1

58.6

19466

58.8  
- 47  
56.2

12.272 12.262



31933

4 57.3

405 50

15.783

1685-078

+13.2 (value)

688	3117	0912
7254	-445	<del>0272</del>

48  
 35  
 40  
 12.2



16



Item	Quantity	Unit Price	Total
M. DEC.	1	4.000	4.000
M. DEC.	1	50.000	50.000
M. DEC.	1	10.000	10.000
I STAND	1	4.000	4.000
ABOLUB	1	4.000	4.000
D. VELL.	1	10.000	10.000
D1 (U)	1	4.172	4.172
D2 (U)	1	4.172	4.172
D3 (U)	1	4.172	4.172
D4 (U)	1	4.172	4.172
D5 (U)	1	4.172	4.172
D6 (U)	1	4.172	4.172
D7 (U)	1	4.172	4.172
D8 (U)	1	4.172	4.172
D9 (U)	1	4.172	4.172
D10 (U)	1	4.172	4.172
D11 (U)	1	4.172	4.172
D12 (U)	1	4.172	4.172
D13 (U)	1	4.172	4.172
D14 (U)	1	4.172	4.172
D15 (U)	1	4.172	4.172
D16 (U)	1	4.172	4.172
D17 (U)	1	4.172	4.172
D18 (U)	1	4.172	4.172
D19 (U)	1	4.172	4.172
D20 (U)	1	4.172	4.172
D21 (U)	1	4.172	4.172
D22 (U)	1	4.172	4.172
D23 (U)	1	4.172	4.172
D24 (U)	1	4.172	4.172
D25 (U)	1	4.172	4.172
D26 (U)	1	4.172	4.172
D27 (U)	1	4.172	4.172
D28 (U)	1	4.172	4.172
D29 (U)	1	4.172	4.172
D30 (U)	1	4.172	4.172
D31 (U)	1	4.172	4.172
D32 (U)	1	4.172	4.172
D33 (U)	1	4.172	4.172
D34 (U)	1	4.172	4.172
D35 (U)	1	4.172	4.172
D36 (U)	1	4.172	4.172
D37 (U)	1	4.172	4.172
D38 (U)	1	4.172	4.172
D39 (U)	1	4.172	4.172
D40 (U)	1	4.172	4.172
D41 (U)	1	4.172	4.172
D42 (U)	1	4.172	4.172
D43 (U)	1	4.172	4.172
D44 (U)	1	4.172	4.172
D45 (U)	1	4.172	4.172
D46 (U)	1	4.172	4.172
D47 (U)	1	4.172	4.172
D48 (U)	1	4.172	4.172
D49 (U)	1	4.172	4.172
D50 (U)	1	4.172	4.172

R.A. : 4.950  
DEC. : 5.850  
M. R.A. : 85.000  
M. DEC. : -78.000  
DISTANCE : 4.000  
MODULUS : 63  
D. VEL. : 13.200

q1 (U) : 0.172  
q2 (U) : 0.394  
q3 (U) : 0.903  
dU : -76.395  
U : 7.099

q1 (V) : -0.596  
q2 (V) : 0.771  
q3 (V) : -0.222  
dV : -524.216  
V : -36.009

q1 (W) : 0.784  
q2 (W) : 0.500  
q3 (W) : -0.368  
dW : 129.219  
W : 3.299



$10030 \pm 2.4$      $-0.89 \pm 2.3$   
 $+0.28$      $-0.8$   
 $4$      $57.6$      $-12$      $37$      $4.8$      $A3m$      $-15.08$

2959

6104    36.269    1993.8    -12    36    35.26    1890.7

$$\frac{169}{1.00}$$

$$\begin{array}{r} 26.550 \\ 9.610 \\ \hline 36.160 \end{array}$$

$$\frac{172}{192}$$

$$\frac{26.214}{+1.9}$$

$$\frac{8.375}{29.950}$$

$$\frac{36.228}{231/2.42}$$

$$\frac{+5.28}{29.98}$$

$$\frac{49.64}{17.20}$$

$$\frac{32.44}{31.23}$$

$$\frac{33.67}{33.352}$$

$$\frac{33}{34.29}$$

$$+28$$

$$54.04$$

$$\frac{58.30}{54.28}$$

$$\sqrt{37.7}$$

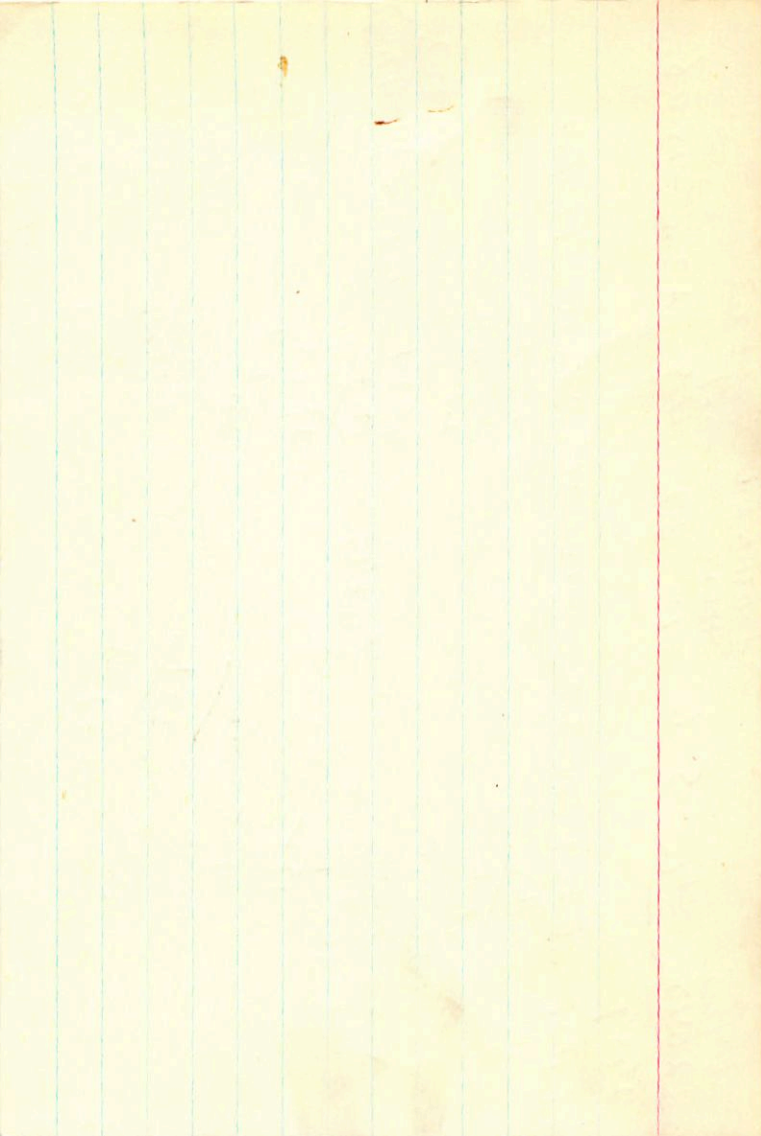
$$1933.57$$

$$\frac{33.80}{-3.82}$$

$$1938.08$$

$$1941.56$$

$$\frac{34.20}{34.24/24.04}$$



6486i 4 52.6 -12 37 -15.08

HR1611 Sin 4.78 4025 4018 F016

4.24 4286 4084 -0896

0.164 0.169 1.011 2.743 /

Old disk

27

-410 -15

963 269 -218 576 +044 -089 -15.0019 +3.3 -412

-042 -018 0.2 005 -223 -028 -14.6 -3.9 -14.1

✓

+0039 226 -089 2.15  
+0039 -087

-14.0 -15.4 -15.4

0.22

36269 17939

85.26 1990.7

-22.0 -11.5 +7.5

211  
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2994

-10.3 -14.9 -8.5

0.35

36211

3429

19808

-19.0 -4.7 +7.4

PTG  
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193

2405  
411

+00385 -088  
+00345 -089

✓

54  
+0505  
+053 -091

31516

4 57.7

+ 18.1

- 18.5

624 624-5  
655

10027 to 53 Amby

1039 to 53

210

63

3.5

18.5



18



DEC 1950  
 M. R. A.  
 M. DEC.  
 I STANCE  
 MODULUS  
 D. VEL.

P. CO.  
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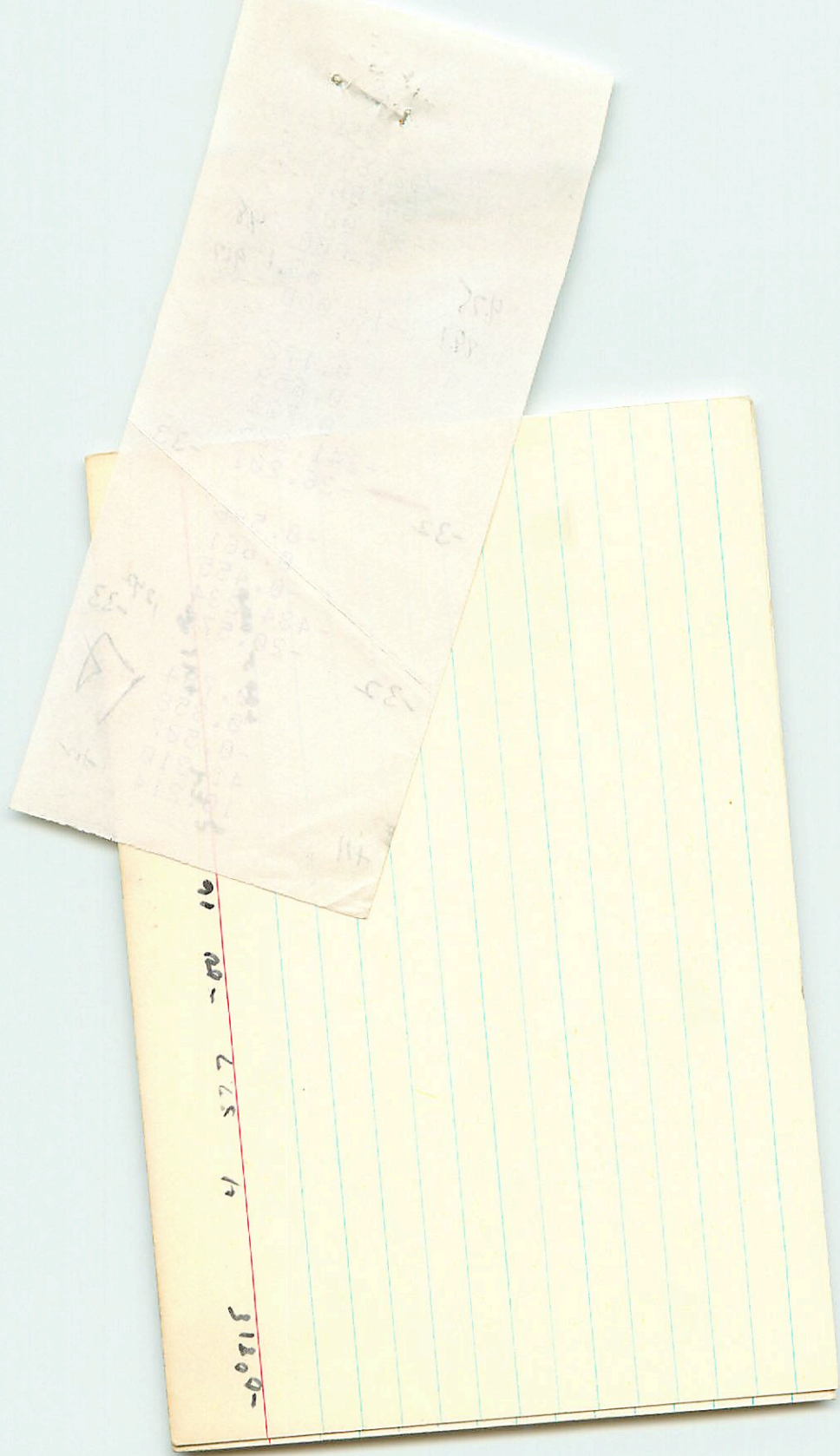
R.A. : 4.950  
DEC. : 14.300  
M. R.A. : 40.000  
M. DEC. : 53.000  
DISTANCE : 3.500  
MODULUS : 50  
D. VEL. : -18.500

q1 (U) : 0.172  
q2 (U) : 0.257  
q3 (U) : 0.951  
dU : 96.140  
U : -12.775

q1 (V) : -0.596  
q2 (V) : 0.796  
q3 (V) : -0.106  
dV : 90.269  
V : 6.494

q1 (W) : 0.784  
q2 (W) : 0.549  
q3 (W) : -0.290  
dW : 281





23

$$964 \ 259 \ 0 \ 1 \ +066 \ +017 \ +106 \ 0 \ 0 \ 0 \ 80$$

$$-063 \ 0 \ 017 \ 0 \ -298 \ 080 \ +106 \ +27 \ +102$$

014

$$1 \ 95 \ 3$$

$$3 \ -48 \ 5$$

$$-5 \ -18 \ 3$$

$$1 \ 93 \ 2$$

$$4 \ -48 \ 4$$

$$-8 \ -17 \ 2$$

$$+6 \ +105 \ +6$$

$$+99 \ -40 \ -18$$

$$+9 \ +107 \ +5$$

$$+46 \ -40 \ -23$$

067

$9500$   
 $4.6000$   
 $12.0000$   
 $154.0000$   
 $-91.0000$   
 $4.0000$   
 $-15.0000$   
 $170000$   
 $150000$   
 $0.6000$   
 $0.0000$

Sick  
 441

ADG 3608  
32052

ADG 2506 (21/84)

AD

C

+26 775 AG

7760

4 586 +26 36

6.74 +98 03 GVE

822 +90 +17 79"

-0009 +024

-025 +024

-6

24

24

6.7

ADG  
6.7

(6.7)

R.A. : 5.000  
DEC. : 26.600  
PM. R.A. : -6.000  
PM. DEC. : 24.000  
DISTANCE : 2.400  
MODULUS : 30  
RAD. VEL. : -6.700

q1 (U) : 0.161  
q2 (U) : 0.047  
q3 (U) : 0.986  
DU : 1.262  
U : -6.567

q1 (V) : -0.592  
q2 (V) : 0.803  
q3 (V) : 0.058  
DV : 106.467  
V : 2.823

q1 (W) : 0.789  
q2 (W) : 0.594  
q3 (W) : -0.157  
DW : 47.446  
W : 2.488

10

11

+43.8

1605      4   58.4   +43   45      var F5 p   3.3-4.1

---

7 e Auri.

6123

~~var~~ 2970

-2.5 a

9883 days.

0.167	-0.246	0.955
-0.595	0.747	0.396
0.786	0.617	0.021

1620722/3

(130)

(322)

$+0135 \pm 6.4$   
 $+126$   
 $+63 \ 00$   
 $88$   
 $+317 \pm 6.0$   
 $+326$   
 $8.6 \ 005$   
 $-25.013w$

31864

4 58.8

6131

88

$8.6 \ 004$   
 $-23.713w$

2973

-24.46

(6131)

$49.47$   
 $-606$   
 $\hline 48.861$

1905.1

+630

11.23

1902.9

$48.917$   
 $\hline 47.311$

-14.93

5630

$48.917$   
 $\hline 47.311$   
 $\hline 95$

194

5.0

1929.9

$16.94$   
 $\hline 8.47$   
 $\hline 306$

320

3.6

4.57

$56$   
 $28.983$   
 $\hline 14.7915$   
 $58$   
 $48.002$   
 $\hline 49.717$   
 $\hline 47$

49.8

17.1

06.90

2.446

04.39

04.833

1928.57

64.90

8.60

R.A. : 4.950  
 DEC. : 63.000  
 PM. R.A. : 184.000  
 PM. DEC. : 320.000  
 DISTANCE : 3.600  
 MODULUS : 52  
 RAD. VEL. : -24.400

q1 (U) : 0.172  
 q2 (U) : -0.545  
 q3 (U) : 0.820  
 dU : -758.562  
 U : -59.829

q1 (V) : -0.596  
 q2 (V) : 0.605  
 q3 (V) : 0.52  
 dV : 681.57  
 V : 22.90

q1 (W) : 0.78  
 q2 (W) : 0.53  
 q3 (W) : 0.22  
 MW : 1190.5  
 M : 57.0

51.42

33.0

13299

26

6132  
 51.854  
 15029  
 1016148  
 +1140  
 16300  
 8916  
 1993.5

$$\begin{array}{r} -758 \\ \hline 096 \end{array}$$

$$\begin{array}{r} -1263 \\ \hline 21503 \end{array}$$

(135)

+334

(323)

$$\begin{array}{r}
 10002.1 \\
 + 010.19 \\
 + 0002 \\
 \hline
 10014.29
 \end{array}$$

$$\begin{array}{r}
 32249 \\
 4 \\
 59.0 \\
 -7 \\
 \hline
 32249
 \end{array}$$

$$\begin{array}{r}
 2477 \\
 + 17.9 \text{ (20)} \\
 \hline
 2494.9
 \end{array}$$

$$\begin{array}{r}
 6138 \\
 0.436 \\
 \hline
 6138.436
 \end{array}$$

$$\begin{array}{r}
 0.790 \\
 - 0.11 \\
 \hline
 0.680
 \end{array}$$

$$\begin{array}{r}
 14 \\
 44.92 \\
 \hline
 58.92
 \end{array}$$

$$\begin{array}{r}
 1842.8 \\
 11.381 \\
 379 \\
 \hline
 1954.181
 \end{array}$$

$$\begin{array}{r}
 48.049 \\
 12.708 \\
 \hline
 60.757
 \end{array}$$

$$\begin{array}{r}
 58.76 \\
 44.35 \\
 \hline
 103.11
 \end{array}$$

$$\begin{array}{r}
 1934.04 \\
 72.09 \\
 \hline
 2006.13
 \end{array}$$

65

14.0

$$\begin{array}{r}
 787 \\
 + 0.05 \\
 \hline
 787.05
 \end{array}$$

$$\begin{array}{r}
 45.364 \\
 + 3 \\
 \hline
 48.364
 \end{array}$$

$$\begin{array}{r}
 45.01 \\
 + .48 \\
 \hline
 45.49
 \end{array}$$

$$\begin{array}{r}
 37.9 \\
 \hline
 37.9
 \end{array}$$

$$\begin{array}{r}
 0.763 \\
 + 20 \\
 \hline
 20.763
 \end{array}$$

$$\begin{array}{r}
 1438.03 \\
 1941.44 \\
 \hline
 3379.47
 \end{array}$$

$$\begin{array}{r}
 317.4 \\
 296.80 \\
 \hline
 614.2
 \end{array}$$

$$\begin{array}{r}
 97.69 \\
 5312.9 \\
 \hline
 5410.59
 \end{array}$$

$$\begin{array}{r}
 1438.03 \\
 1941.44 \\
 \hline
 3379.47
 \end{array}$$



21

11.16

9890

9585

9280

11.16.16

11.16.16

11.16.16

11.16.16



11.16  
9890  
9585  
9280

32198 4 59.8 441 22- 6.2 A0 -0.7

2983

6153

+0005 -011 N30

+0005 ± 3.2 -004 ± 3.0

~~1228~~

5

00.7

21

11

+53.1

①

9h.01.1e-

middle 1

9.9

915 1194.00

+162 +104

174

104

40

HR

W 1627

S 01.4

+32 15

-8C

846

-0000 -072

161-046 986

-0076 +0157

+0081

-7.9

-592 794 134

+0281 -2710

-2419

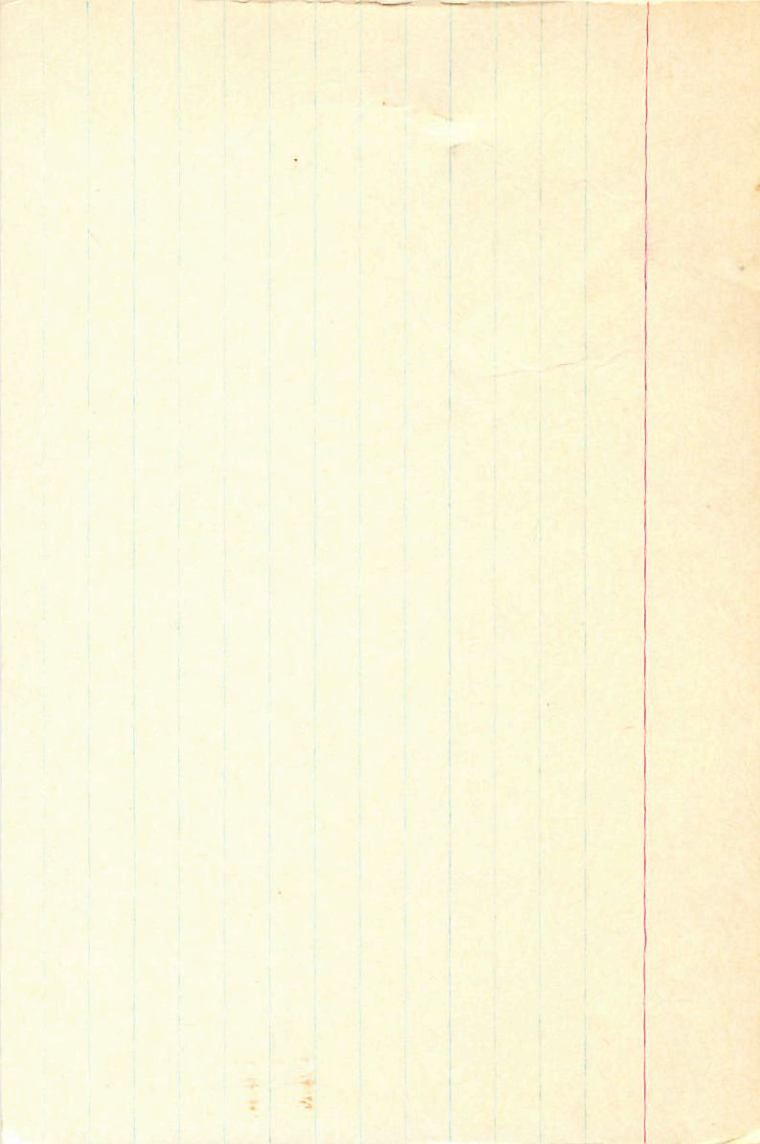
-1.1

789 606 -101

-0374 -2068

-2442

+0.8



2302367

W 2999

5 01.31

-23 19

dmo + (24 d w (2)

10.1

q. 27 + 1.28 + 1.20 dmo

1.26

q. 22

188, -80 -45

+44 -83 -31 .04

+100 -89 -15 .030

+293510

+181510

+81  
146

6  
259

17.5 = 0.054 56 11(8)

3114 108

10.

22





0.000\*

$-0053 \pm 3.7$      $+023 \pm 3.2$   
 $-0052$      $+025$   
 32743    5    01.5    -49    13    5.4    F5    +21.48

3000

6195    30.066    19063    -49    13    17.04    1902.8

$\begin{array}{r} 232 \\ \hline .298 \\ 30.154 \\ -19 \\ \hline .135 \end{array}$

$\begin{array}{r} -1.09 \\ \hline 18.13 \\ 17.25 \\ \hline 0 \\ \hline 399 \end{array}$     1938.65

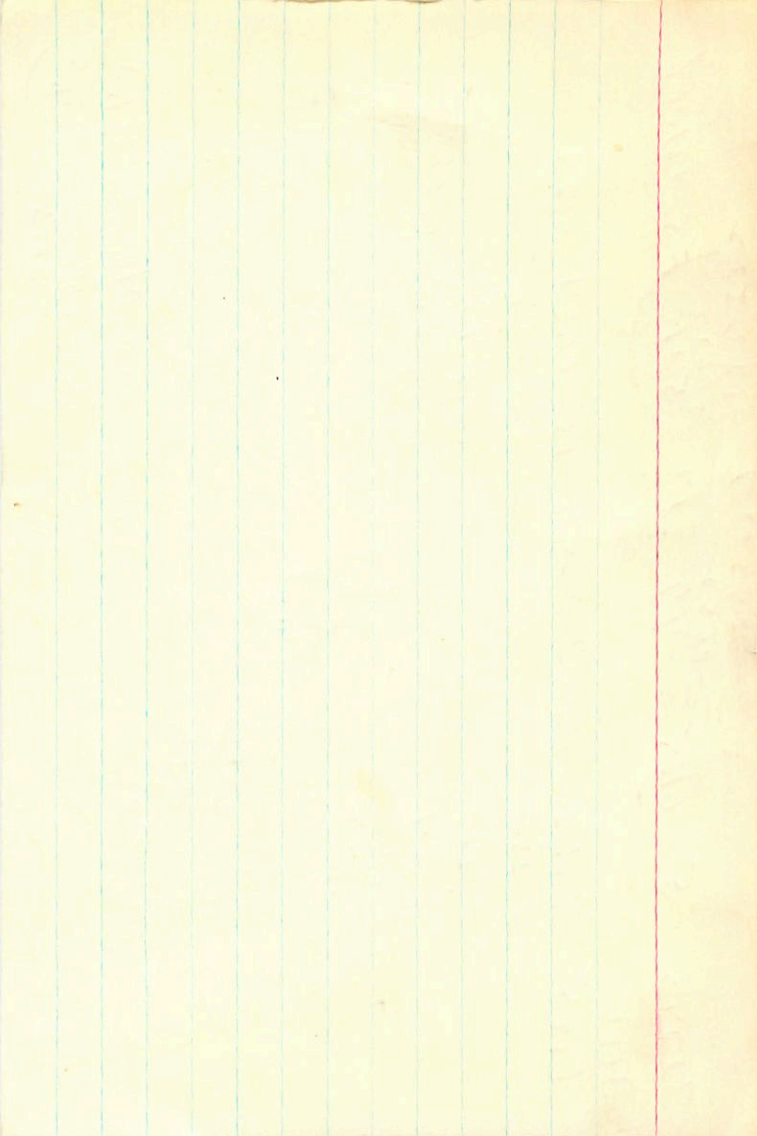
$\begin{array}{r} 172 \\ \hline 086 \\ \hline -212 \end{array}$

$\begin{array}{r} 30.065 \\ -28 \\ \hline .037 \end{array}$

41.0

$\begin{array}{r} 16.63 \\ -11 \\ \hline 16.74 \\ 17.00 \\ \hline 4.13 \end{array}$

$\begin{array}{r} 1455.94 \\ 47.3 \\ \hline 44.5 \end{array}$



32743

5 1.5

49 14 dEY

HR1649

G66195

5.38 + 42 (-01) (505)

563

→ 277 165 456 2170

.275 .168 .493 2.659 2 403,1

.246 .181 .457 (5) 593 1386 -

[m] 218 12

[c] 438 117

2.40 +6.9 -11.9 -17.9

+40 +145 +157

B-96-14 5 01.5 743 17 Sunny  
→ 263 (6)

0.30

9.54 1061 1003 → 291 (3)

743, 1174

→ 0.1081 → 0.2204

0.224 194

Amplitude  
→ 0.74 → 0.07

100 - 881  
100 - 204

121

100

5.5

→ 103

23

M : -100'250

PM : -610'100

d3 (U) : 0'850

d5 (U) : 0'910

d7 (U) : 0'980

U : -75'500

QB : -490'850

d3 (U) : 0'500

d5 (U) : 0'520

d7 (U) : 0'550

U : -9'800

BP : 100'800

d3 (U) : 0'800

d5 (U) : 0'850

d7 (U) : 0'900

\* AEF : -50'000

ROBOPPE : 110

STANCE : 2'000

\* DEC : -501'000

\* B.F. : -101'000

DEC : 40'000

B.F. : 1'000

Handwritten notes: "1/2" and "2/2"

Handwritten note: "20"

Handwritten note: "20"





Handwritten mark resembling a stylized '4' or '5'.



R.A. : 5.000  
DEC. : 43.300  
. R.A. : -121.000  
. DEC. : -201.000  
STANCE : 5.350  
MODULUS : 117  
. VEL. : -26.300

q1 (U) : 0.161  
q2 (U) : -0.238  
q3 (U) : 0.958  
dU : 159.611  
U : -6.437

Handwritten mark resembling '5.7'.

Handwritten mark resembling '5.0'.

q1 (V) : -0.592  
q2 (V) : 0.753  
q3 (V) : 0.287  
dV : -469.871  
V : -62.750

Handwritten mark resembling '5.8'.

q1 (W) : 0.789  
q2 (W) : 0.614  
q3 (W) : 0.020  
dW : -914.162  
W : -107.925

Handwritten mark resembling '4.5'.

Handwritten text on a piece of paper, likely bleed-through from the reverse side. The text is organized into three columns, separated by vertical lines. The characters are small and appear to be a mix of letters and numbers, possibly representing a list or data set. The text is written in dark ink on a light-colored paper.

1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20

Q1 (W) 0.789  
Q2 (W) 0.282  
Q3 (W) 0.545  
W 18.105

Q1 (W) 0.132  
Q2 (W) 0.555  
Q3 (W) 1.98  
W 158.132

Q1 (W) 0.555  
Q2 (W) 1.98  
Q3 (W) 158.132  
W 158.132

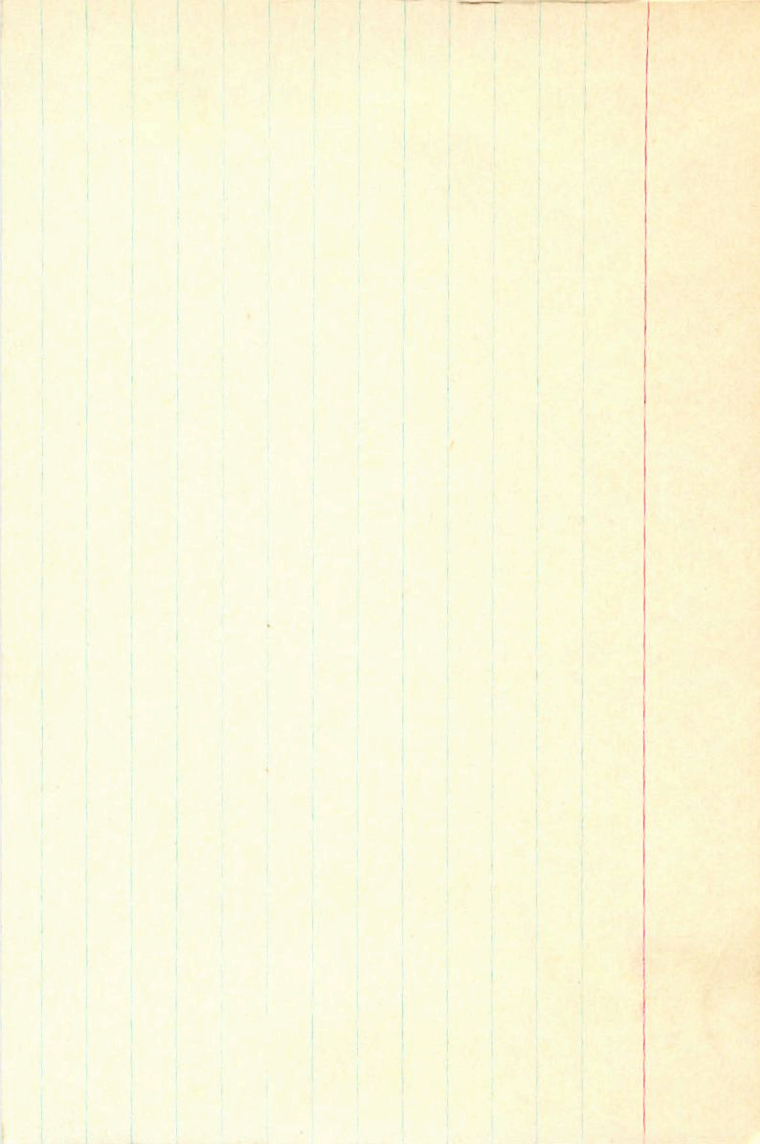
866195 5 01.8 -24 27 +7d

910

+0017 -030 00  
+0020 -041 130

+0019 -036

+161 794 382	+0194 -1358	-1164 -12.2	+4.1
-592 550 -588	-0913 -0938	-1651 -17.3	-4.1
+589 250 -560	+0950 -0427	+0523 +5.4	-3.9



+0059±9.0 -073±10.0  
+0063 -084

6.3 140 -40.06

32356 5 02.0 +61 06

+0066 -050

3007

6202- 58.077 1909.4 +61 6 14.12 1917.2

$\frac{248}{837}$

(1620)

57, 837

42.63

15.182

57.124

93.19

95

58.047

10929 054

0041

+1.7

0116

4.68

00655 -052

00617 -0516

0447

042-053

26.2

58.006

+1.69

58.172

66.23

2.44

+1.3

5

2.39

16.51

17.3

10.30

17.60

-2.38

15.22

36

15.58

14.37

-2.4

14.13

14.94

-1.67

1925.8

969

35.6

18.4

1445.37

14.37

14.13

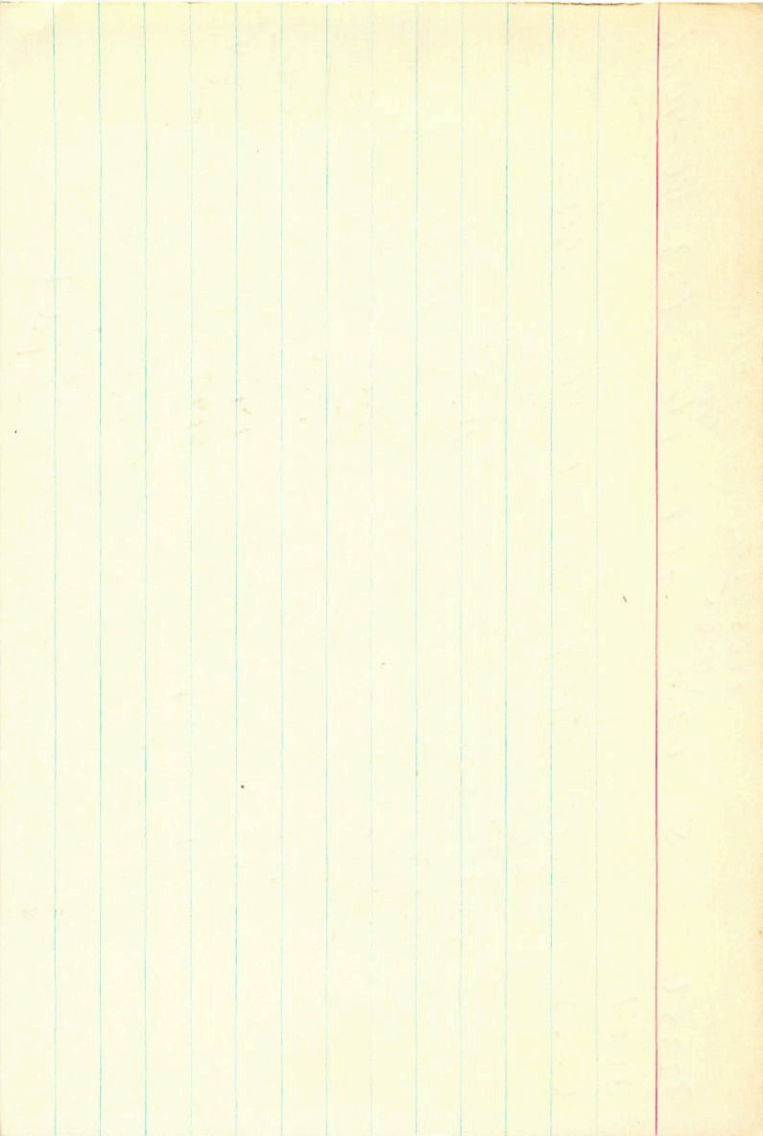
14.94

-1.67

14.13

14.94

-1.67



AD53672

-0004±3.8 -024±3.2  
-0008

32642 5 D.R.6 +19 44 6.5 A2 -16.76

3009

6211 35.098 1903.1 +19 44 22.19 1901.5

1.16

23.35

1934.0

144.57

22.72

22.90

1530.05

34.7

16.61

231

33.2

7.356

22.177

23.196

-0.558

-1.56

22.13

22.55

1990.02

22.70

22.96

66 } 0.1 } 1.117  
2.8 } 0.1 } 25.078  
0.017 } 0.1 } 1.106  
nucle

299

31.6

6.657  
28.342  
35049

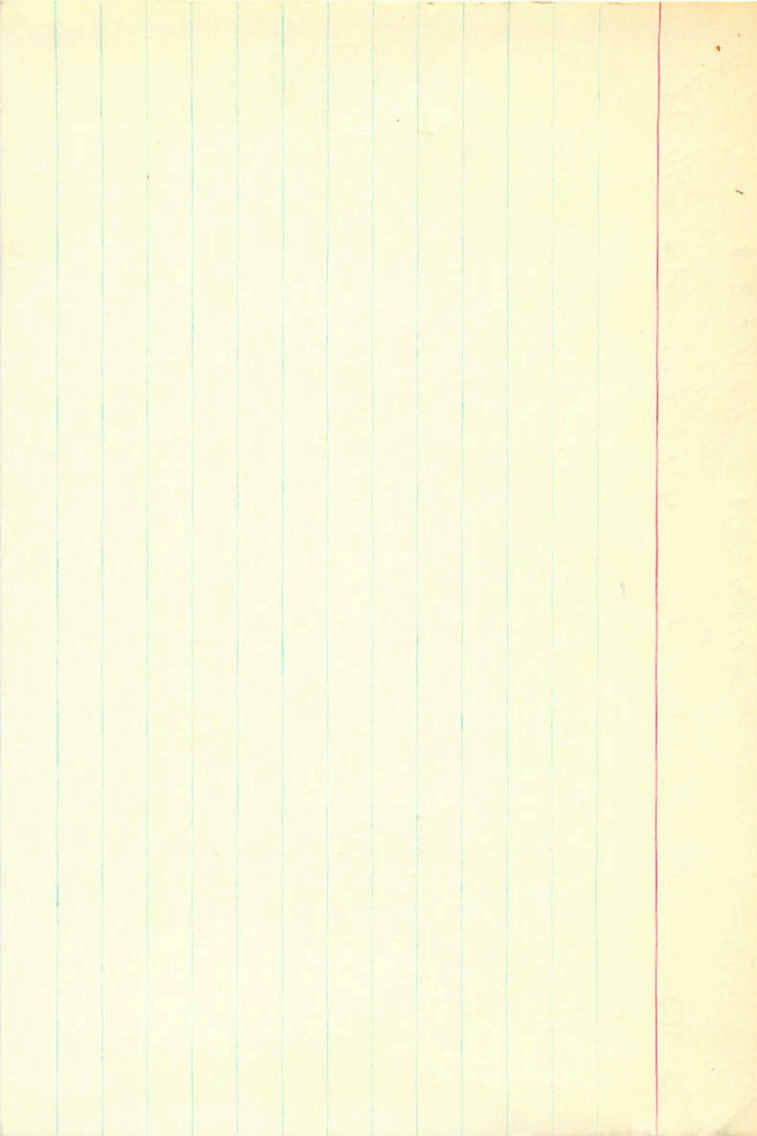
1075  
23  
894

093  
-024

35.05

2.1  
0.5





14032433

5

02.9

+33 5-1

6.9 B9A

13.000

-15.4 banknotes

5

7000

"

-000 6C

+146 -36 +945

+591 +793 +131

+364 +607 -110

33563

S

03.9 -74 42

+18.8 ± 0.8 S, (4)

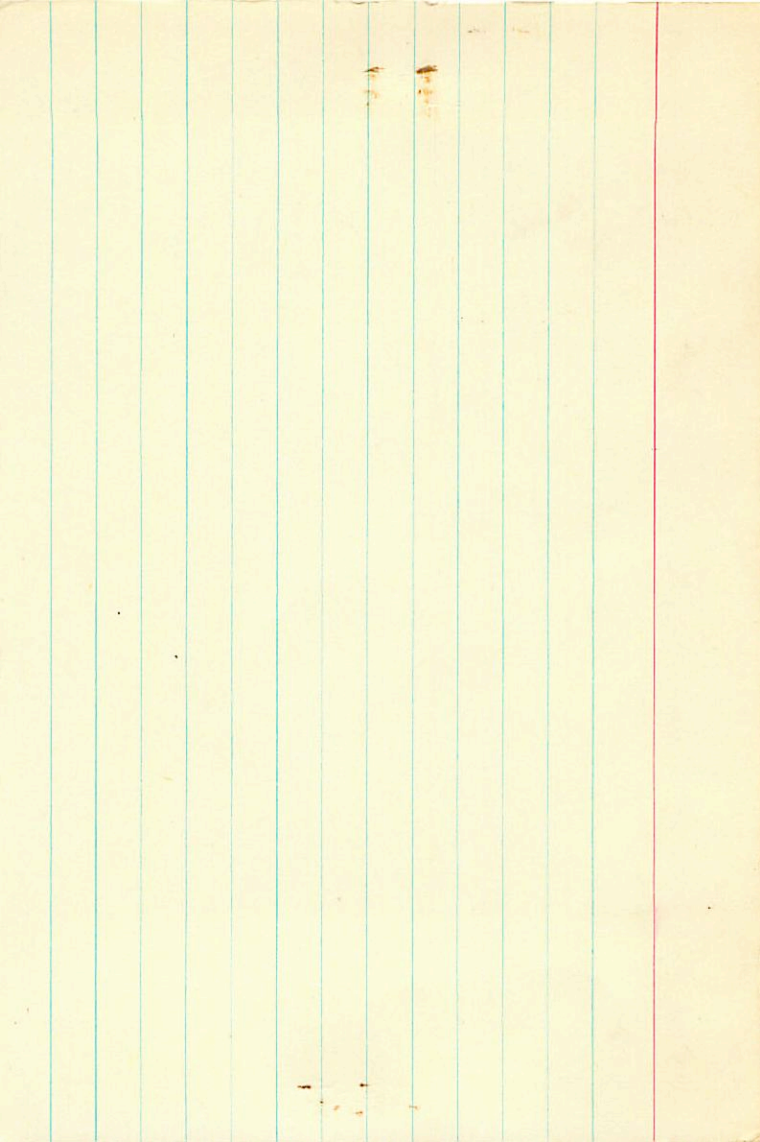
6240

||

(7<sup>m</sup>)

2.52 + 0.47 F52

-037 -121 1+



-7.7

HR1636 5 07.7 469 34 6.24 14.17

4070-06566

HR 1530

4 y 6 y

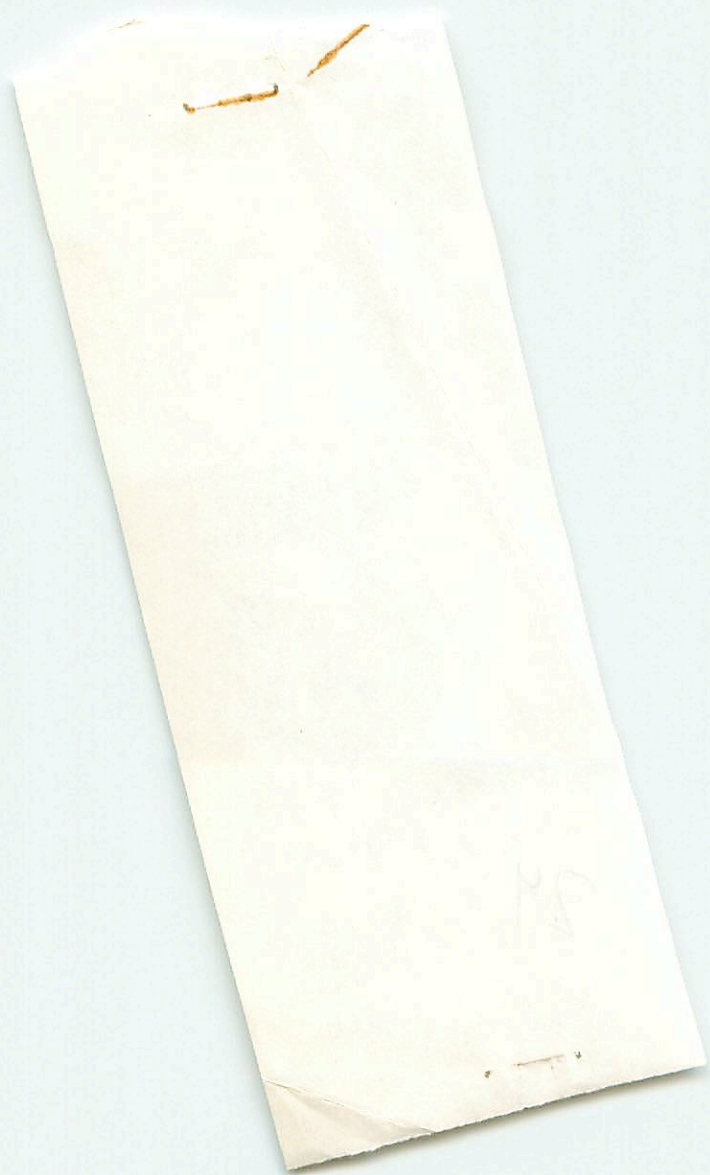
+ 15

49

6258 103

1007-

42



1636.000\*

5.000\*

4.100\*

69.000\*

34.000\*

0.070\*

-0.065\*

5.500\*

125.893

-7.700

0.246

0.754

25.103

-0.367

0.587

-50.675

0.101

0.294

10.510

24



-4801630      5      04.1      -47 57      A0E (Su)      +172.0      356

11.04 +0.11 +0.07 3BS

+066 -132 LA

~~+068 -134 00M~~ .158 1240 80M *Sum*

+131 -088 BM

4771 239 442 597 -072 -060 -63.0

-026 -28 -256 070 025 -017 -006 360 038 -56.5 -14 -55

710 -53 -45 015

-70 -5 -21 0.015

40065

5 05-1 -12 23

33043

+6095-108 Landung

[189-108]

464 877 ✓ 1737  
888 4796 1287

2.1.1

GLL269

+0017 52.8 -064 22.5  
+0012 -0522

14 Aug 5 05.2 +08 26 Aug +6.0 6

ABS3711 <sup>02</sup> considered +7.2 @ Uter  
Dm = 0.75 5.90 +0.30 0.02p

freq. +0.25 -04 Y GC

$\pi = 0.021$   
 $m, m_2$

9.439, 890.6 + 8 26 5.55 1894.5

$\frac{101}{338}$

$\frac{3.55}{9.10}$

$\frac{376}{1728}$

715  
404  
559

33054

$\frac{9.357}{35}$

$\frac{7.01}{14}$  1934.2  
 $\frac{7.15}{37.0}$

3043  
6269

49.3

$\frac{396}{264}$

6.30 19416.0

75.86

$\frac{394}{394}$

$\frac{6.44}{124}$  6.48/2  
 $\frac{13.59}{2.2}$

37.19

9.371  
 $\frac{22}{40}$

$\frac{393}{055}$

2.30

43.4

972 237 146 999 +025 -064 +6 -009 +1 -255 ✓

-024 009 006 -002 -16 ✓ 071 · +1 +6 029

-4 +9 -13

+2 -16 -4

33096

0.50 19 28 189908

644 0.62 0.10

0079 275

140 140  
-41 275

-464  
275  
210  
+89.8



25

32784

3040

6265

5 05.0 +62 25 6.7 A7 -2.58  
-0026±5.1 -052±4.2  
-0017 -064

1.883 1901.4 +62 25 127 1899.1  
126  
2.009 2.65

43.14  
18.695  
1.8357

(345) 0.9  
3.92 3.95

1926.8



PM  
PM  
PM

c  
c  
c

q1  
q2  
q3

q1  
q2  
q3

15

A053711

5

05.3

18

26

+6.08 ↓

1st Gen 1950

+0.0012 -0.057

+15	-6.16
+10	-4.9
+12	-5.5

A

+0.22 -0.63

+9.2

+60.12

43.7 po. -21 -31

4.0	+5.4	+2
-12.4	-1.2	-1.4
-3.9	-1.9	-6

29.8 po

+9 -68

+15 -531

B

TU16 -0.57

TU23 -0.57

+1172 +350 +925

-586 +764 -207

+798 +512 -317

7114 2025

7028 9649

+1080 -0945

-4994 -2718

+6672 = 1383

-0825 -37

-2012 -11.3

-0771 -3.4

+5.6 = +28 -11.9

-1077 -12.5

-5.4 -5.3

0600	0072
2025	9649

972 237 177 989 +022 -063 +6.0 -009 +1 -772  
-021 009 005 -002 -090 066 +6 +1 +6 0246

-3 +9 -30

-6 -15 -10

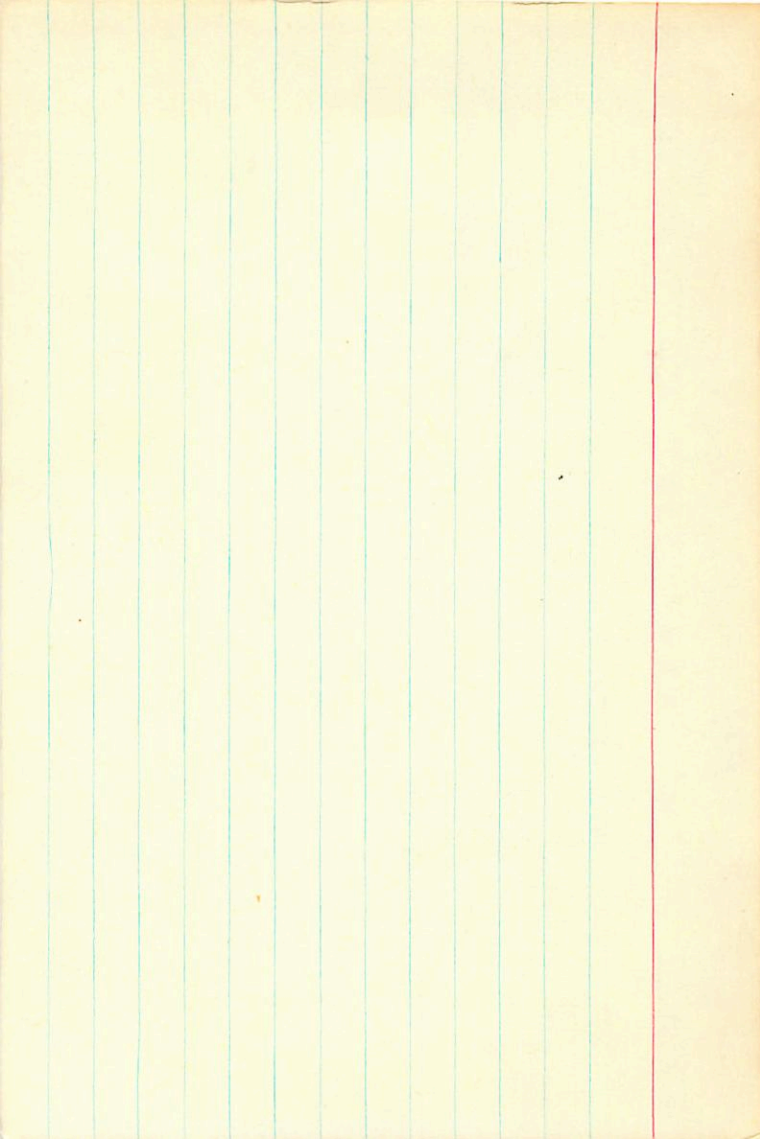
H4

TX Am 5 05.6 +38 56 N -62W(3)

May P.S.U

-013 +031 PEW

-012 +010 Pabun



107 Nam

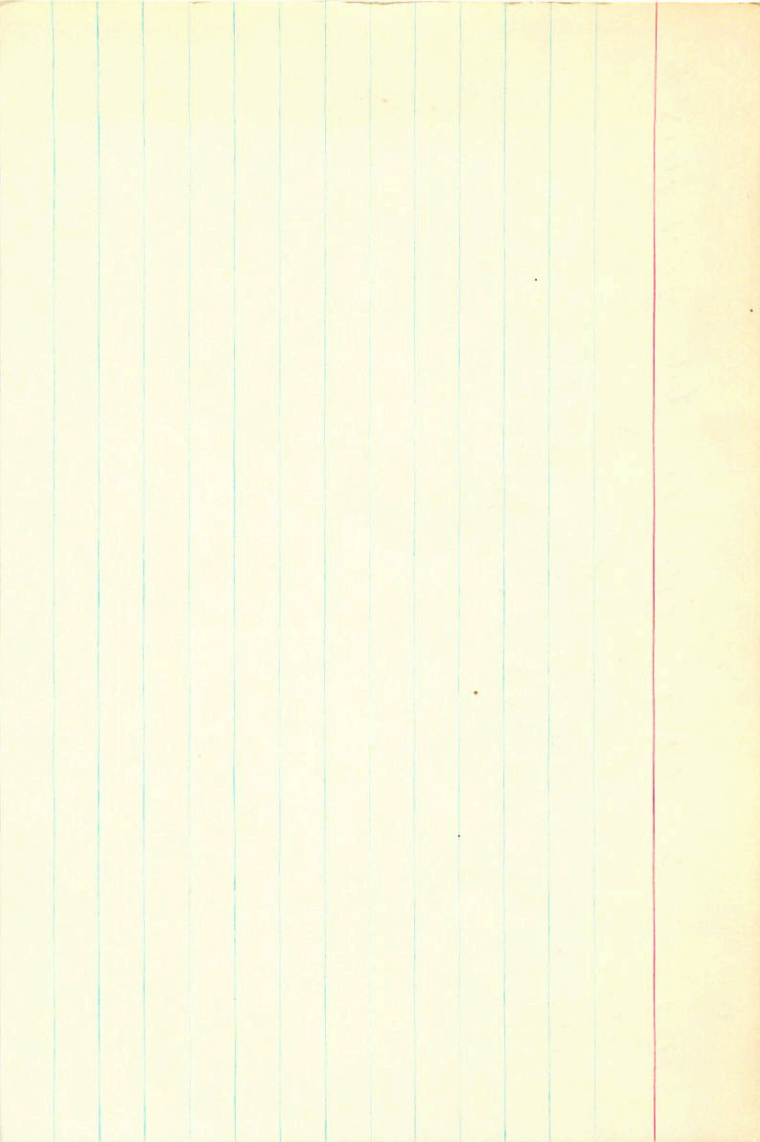
33121 5 05.9 +19 48 6.6 964 +6.58

3050

6279

+0009 35 -013 N30

+0003 ±2.2 -013 ±2.2



33474

5

05.9

-59 07

F8 III

+68 35A.

AKH

s=11

9.38 + 0.45 - 0.11

+068 +070 CP → BL

+7 +3

7075 1073

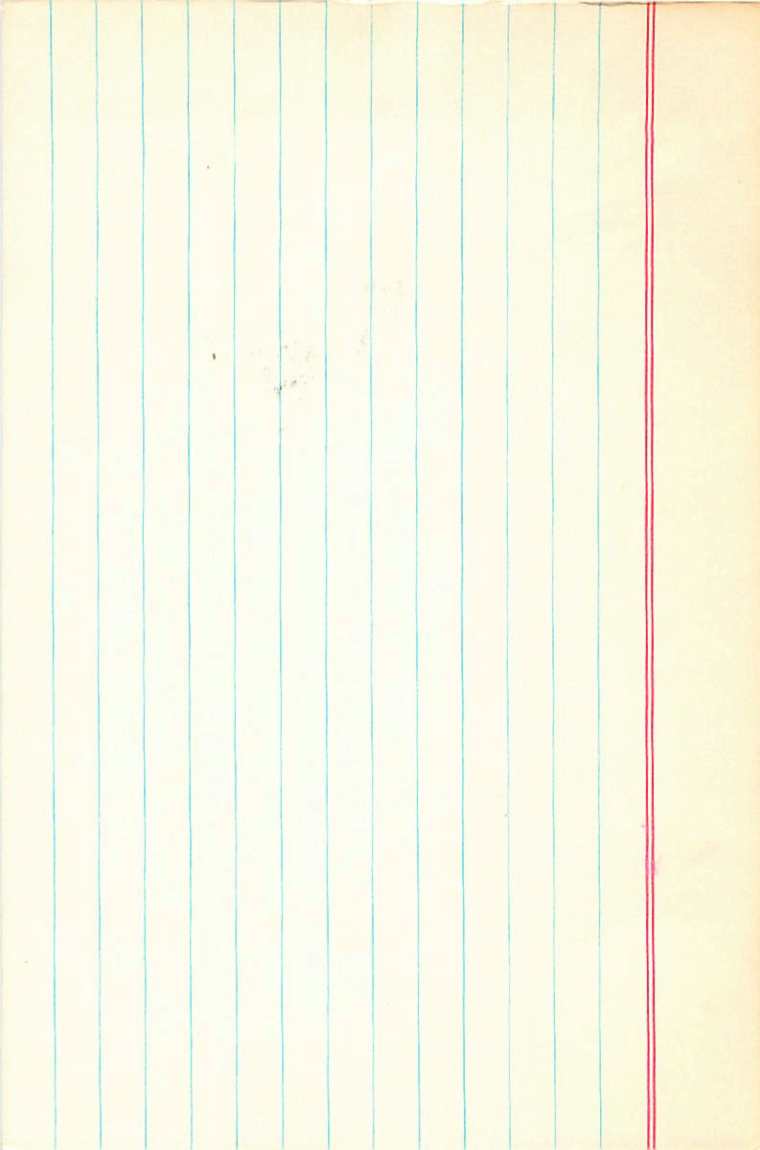
193

173  
166  
203

- Pan

What feature  
marked it III?





+3501192

77 Ave

5 06.2

+39

32

+10.26

+3.2 (Diluted)

-0011=10 -0M=9

6

14741 18588

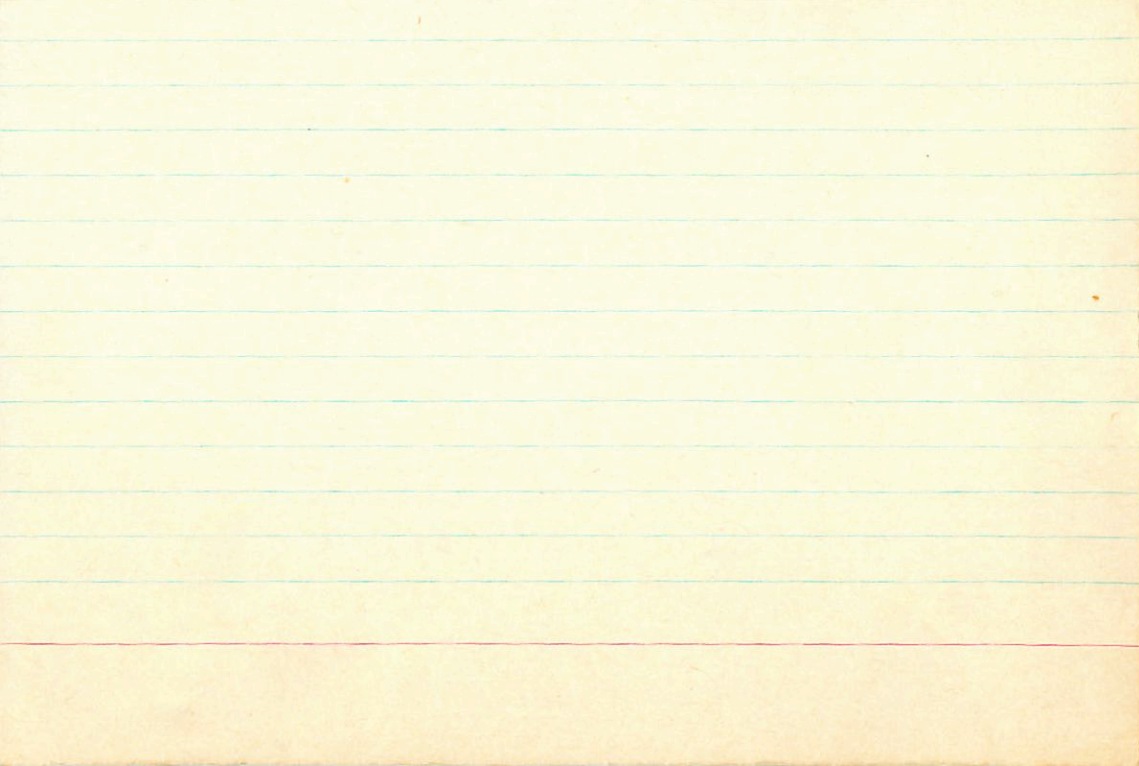
24.93 1892.9

$\frac{966}{659}$

1478  
 $\frac{666}{799}$

25.22 1530.0

$\frac{51.52}{50}$



33473 5 06.9 -41 17 622 +41.0 2 SB. +402

6.75 + 0.65 + 0.14 1.85  
6.71 + 0.66 - Corp

9.3 10<sup>m</sup> 260<sup>0</sup>

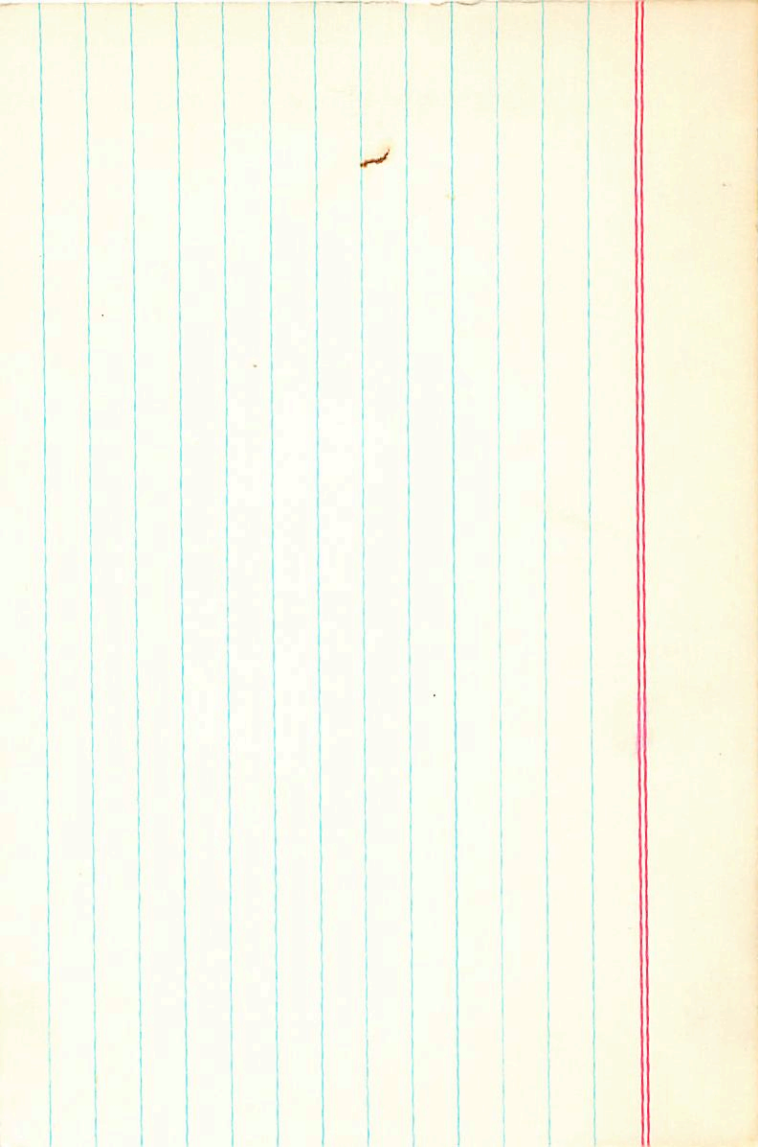
-0068 + 290 N30

-0070 + 285 SC

-0069 + 288

-076

6.76 415 196 348 ①





210  
100

250  
100

33-33

33-33

33-33

33-33



33

411

4. 350  
- 12. 600  
- 54. 000  
- 91. 000  
4. 000  
- 15. 000

4.75  
89.1

48  
917

0. 129  
0. 153  
0. 232  
914. 251  
- 242  
- 1

-32

-33

0. 596  
0. 551  
0. 455  
44. 345  
- 42  
- 1

-32

1242  
-33

0. 784  
0. 356  
0. 597  
41. 314  
10. 214

411

412

-0°15

41

57.7

-00

16

5.24

+41.2

1002.000



966 259 0 1 0 0 +41 0 0 0

0 0 0 0 +41 +40

+35 -12 -17

14022023

100914

W2962

4 52.8 ton 56 dFS +106c w(3)

9.10 +0.57 10.04 1=FE

$\delta = 0.6$

SAG6-1406

~~1066 +017 35d~~

10044 +017 05d

1032 +021

1

10021 031 020

964 259 0 1 +066 +017 +106 0 0 080

-063 0 017 0 -298 080 +106 +27 +102

014

1 95 3  
3 -48 5  
-5 -14 3

1 93 2  
4 -48 4  
-8 -17 2

+6 +105 +6  
+99 -40 -18

+9 +107 +5

+96 -40 -23

067

32963 5 04.8 +26 16 -62980(4)

W3034 7.85 +0.66 +0.21 65TR R

+260789 S=-01 10-8 627

-64 -9 -28 L10  
-65 -7 -17 L10

80 590- 590-  
5450- 5450-

Q1 (M)	0.789
Q2 (M)	-0.545
Q3 (M)	0.282
DM	745.952
DM	18.105
Q1 (U)	0.583
Q2 (U)	-0.556
Q3 (U)	-168.196
DU	-40.132
U	-0.592
Q1 (U)	0.762
Q2 (U)	0.627
Q3 (U)	499.546
DU	64.827
U	0.161
R.A. DEC.	5.000
R.A. DEC.	-21.200
R.A. DEC.	174.000
R.A. DEC.	104.000
R.A. DEC.	4.000
R.A. DEC.	53.100
MODULUS	53.100
VELOCITY	53.100
RAD.	53.100

18.102  
 528.225  
 528.245  
 528.265  
 528.285  
 528.305  
 528.325  
 528.345  
 528.365  
 528.385  
 528.405  
 528.425  
 528.445  
 528.465  
 528.485  
 528.505  
 528.525  
 528.545  
 528.565  
 528.585  
 528.605  
 528.625  
 528.645  
 528.665  
 528.685  
 528.705  
 528.725  
 528.745  
 528.765  
 528.785  
 528.805  
 528.825  
 528.845  
 528.865  
 528.885  
 528.905  
 528.925  
 528.945  
 528.965  
 528.985  
 529.005

971 239 442 547 -072 -060 -63.0

-026-28-256 070 025-017-006 360 038-56.5 -14-55

710-53-45 015  
 -70-5-21 .015



R.A. : 5.100  
DEC. : -19.450  
PM. R.A. : -44.000  
PM. DEC. : 275.000  
DISTANCE : 32.100  
          : 89.900

q1 (U) : 0.139  
q2 (U) : 0.744  
q3 (U) : 0.654  
dU : 942.206  
U : 83.573

q1 (V) : -0.584  
q2 (V) : 0.595  
q3 (V) : -0.552  
dV : 889.941  
V : -26.251

q1 (W) : 0.800  
q2 (W) : 0.306  
q3 (W) : -0.517  
dW : 240.963  
W : -40.135

-0026±5.1 -052±4.2  
-0017 -064

32784 5 05.0 762 25 6.7 A7 -2.58

3040  
6265

1.883 1901.4 762 25 127 1899.1

$$\begin{array}{r} 126 \\ \hline 2,009 \end{array}$$

$$\begin{array}{r} 2.65 \\ \hline 3.92 \end{array}$$

$$\begin{array}{r} 43.14 \\ 18.695 \\ \hline 1.837 \end{array}$$

34.5

$$\begin{array}{r} 0.9 \\ 3.95 \\ \hline 48.69 \\ -2.469 \\ \hline 1.376 \end{array}$$

1926.1

$$\begin{array}{r} 1.962 \\ 1.951 \\ \hline 1.902 \\ 951 \end{array}$$

7176

$$\begin{array}{r} 35.9 \\ \hline 36.8 \end{array}$$

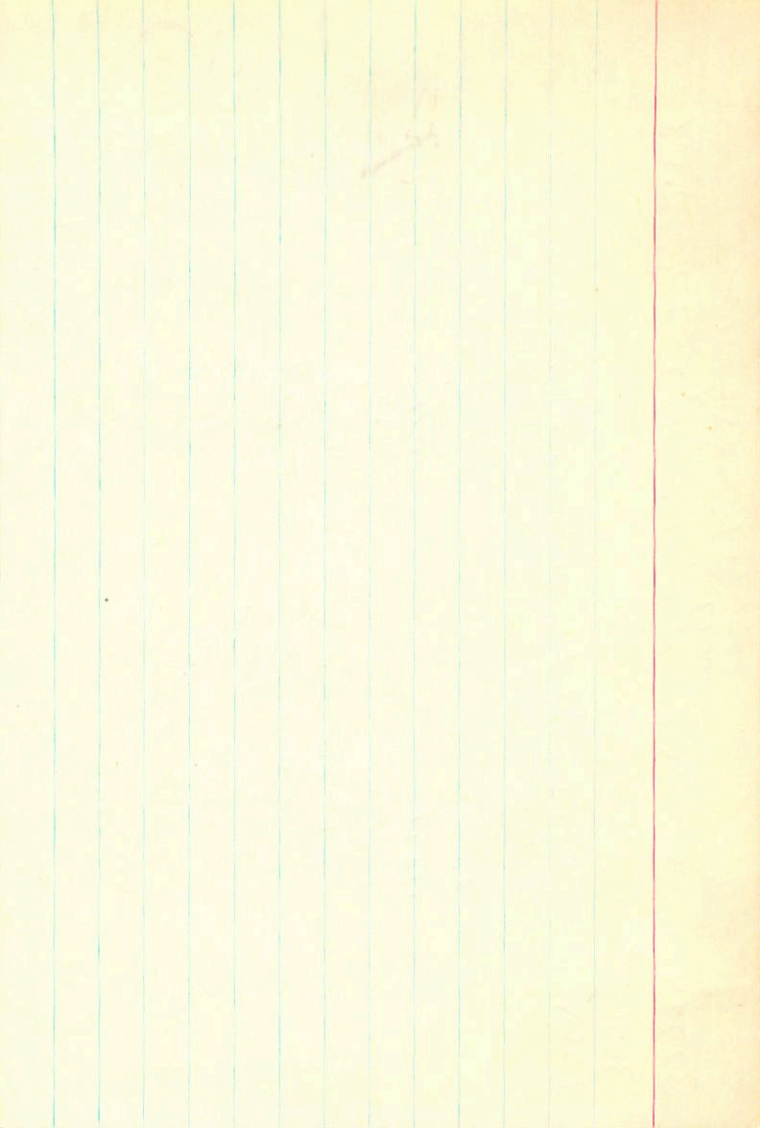
1945.56

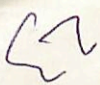
$$\begin{array}{r} 1.58 \\ -2.24 \\ \hline 1.3 \end{array}$$

$$\begin{array}{r} 1.55 \\ \hline 2.37 \end{array}$$

$$\begin{array}{r} 1.913 \\ \hline 920 \end{array}$$







R.A. : 5.000  
DEC. : -21.200  
PM. R.A. : 174.000  
PM. DEC. : 104.000  
DISTANCE : 4.000  
MODULUS : 63  
RAD. VEL. : 53.100

q1 (U) : 0.161  
q2 (U) : 0.762  
q3 (U) : 0.627  
dU : 499.546  
U : 64.827

q1 (V) : -0.592  
q2 (V) : 0.583  
q3 (V) : -0.556  
dV : -168.196  
V : -40.132

q1 (W) : 0.789  
q2 (W) : 0.282  
q3 (W) : -0.545  
dW : 745.952  
W : 18.105



RAD. VEL. : 53.100  
 MODULUS : 63  
 DISTANCE : 4.000  
 PM. DEC. : 104.000  
 PM. R.A. : 174.000  
 DEC. : -51.500  
 R.A. : 5.000

U : 94.857  
 UB : 499.248  
 p3 (U) : 0.257  
 p2 (U) : 0.725  
 p1 (U) : 0.181

U : -40.135  
 UB : -108.189  
 p3 (V) : -0.258  
 p2 (V) : 0.583  
 p1 (V) : -0.295

W : 18.105  
 WB : 745.255  
 p3 (W) : -0.245  
 p2 (W) : 0.385  
 p1 (W) : 0.789

32963 5 04.8 +26 16 -62980(4)

W3034 7.85 +0.66 +0.21 6.57R

+260789 S=-01 627①

-64 -9 -28 .013  
-65 -7 -17 .017

-065 -065 0.0  
-07846 -05445 Y  
-072 -060 6mm

971 239 442 897 -072 -060 -63.0

-026 -28 -256 070 025 -017 -006 360 038 -56.5 -14 -55

+10 -53 -45 015

-70 -5 -21 .015