

4726V

10 11-0 -26 47

88 664

404

13222

26.767

2 064 25 53

887031 102

540 65 244 963 2386

40-4272
+12.8

(4)

+1877

140119

2 05.9 + 44 13

+ 24.48

1016 - 049 6L

0 + 1

1016 - 049

711 - 006 703

- 601 405 652

289 914 - 284

+ 0539 + 0014

- 0486 - 0541

+ 0219 - 2122

+ 0553

- 1427

- 1503

+ 17.1

+ 15.9

- 6.9

2,100
53,200
-15,000
-8,000
7,000
251
-36,300

0,700
-0,181
0,681
-19,694
-29,680

-0,641
0,235
0,730
15,110
-22,711

0,293
0,955
-0,051
-47,175
-10,014

22

W/S

2 652 ^{S.V.}

+55 11

5.47 A1

Ice

-363a

-56 -1041
-60026 -0033 W₃ 50

-00052

-00656

-008-008

458 21/2

26

[050]

443 2529

914

2.1

+55.2

-15

-5

7

-363

-1475

9403

-7220

-6914

100+

1,821
- 276,943
1,545
8,755
8,282

92

202

1,991
- 1818,889
8,471
8,688
1,839

114

2,123
478,217
8,654
8,245
8,716

23207

23486
183

- 14,388
1,988
149,888
289,888
238,888
858

22

2 Aug 2 043 } +23 14 ^{H.12} -14.30

HR 617

2.00 H.15 _X 12.00

-12.35

12929

1160

+0138 - 144 N3 D W0(H.12)

148 (8)

2536

+0134 E.O.S. - 144 H.16 G. L. W. 5 N. 30

145 (8)

H.1 -30 +23

.043

+01388 - 1447 W3 (2)

1413

2.05

1409

+23.28

+219

192-144

-149

1.9

-143

515 857 391 925 + 1017 - 034 + 11.5 - 013 + 4 - 147 ✓

073

-009 007 015-011 009 104 + 10.6 + 9 + 5

013

+ 9 + 13 - 7

+ 9 - 7 - 13

+6012223 -034519
+8012 -037

Am 1150 anno

25 Anni 2 03.5 +22 25 Anni 211.52

12869 5.00 70.12 +13 1017 -0346

1155 45.657 1845.1 +22 24 39.24 1401.8 013

2527
-054
1633

40.88

45.677
+5
682
41
39.39
+27
38.6
↓ .27

049

$$512 \quad 859 \quad -416 \quad 909 \quad +400 \quad -059 \quad +350 \quad 25 \quad -15 = 256$$

$$-205 \quad 013 \quad 344 \quad 021 \quad -1.071 \quad 1.568 \quad +31.8 \quad +27 \quad +16$$

$$-27 + 94 - 27 \quad 02$$

$$\boxed{168 - 75 - 5}$$

12573(89) 2 03.3 - 24 37 dir1 +ve w(2)

ds0 +ve w(2)

W 1151/2 9.3
9.0
W 45.2 - 616
+6.5 025-020
+35

Y 424
- 240884(91)
+ 11 - 07 in

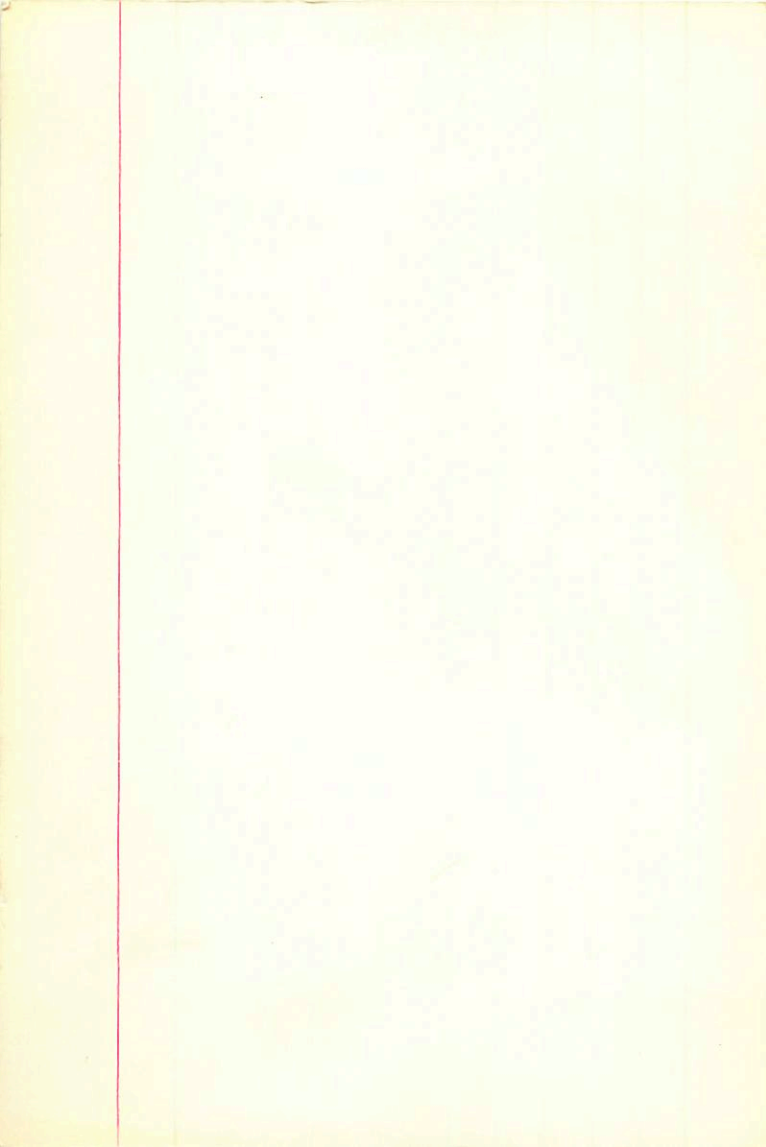
1051692
772

A + 24.3, 12.1"
+ 0296
+ 10449
- 05456
- 240884
+ 4822513 - 034434

A B - C 55
+ 36857
- 05256
+ 386
+ 350 ± 13 - 084 ± 13 Y'
+ 400 - 059

+ 1393

65.2



H.D. 12835

2 03.0

-28

48

7.34

+148

2.54

-0345 ± 53 +052 ± 4.6
 -0341 +050

248 - 969 - 021 1.000 - 518 + 052 + 14.1 - 001 0 246

28 0 + 502 0 606 + 2378 + 14.1 - 14 + 3

40.447 1901.9

- 13 53.67 1898.8

1.659

2.66

42 106

27.1

56.33

~~+6 - 70 + 8~~
~~-63 + 43 + 11~~

24.353

34.04

1928.34

1799

~~+94 - 235 + 25~~

16.825

21.16

30.2

+6 + 82 + 8

41.178

55.14

+76 - 28 - 14

186

55.10

54.61

+16 + 121 + 12

191

181

54.37

+1.52

+113 - 37 - 28

24.340

33.78

1429.60

+1 + 62 + 6

16825

21.16

+57 - 23 - 8

41.165

54.76

54.85

173

-925

-3/171

03
 07
 03
 02
 04

104558

~~12~~ 02.7 -01 14 L100 4418 w(3)

G016513

C_{UB} w(+5.4)

w7249

8.12 +0.74 +182 A_{low}

72790

-0.02532

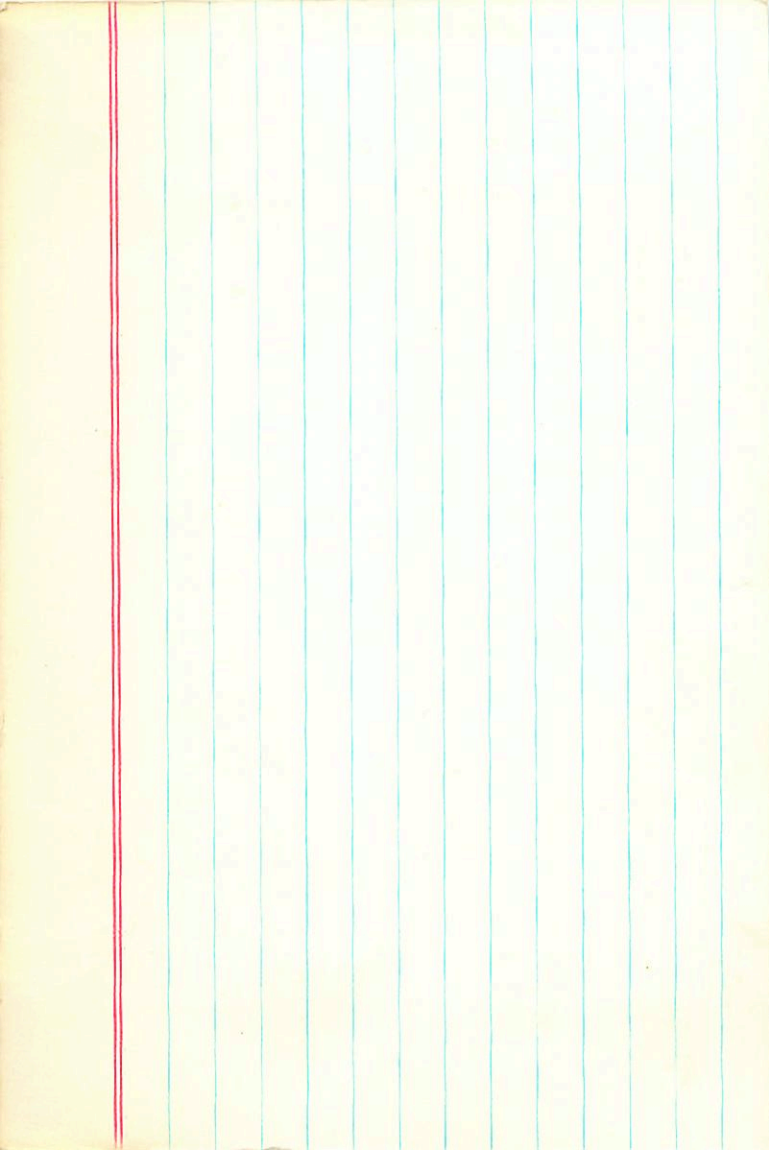
-518 +0.52^{C_L}

~~=63 +43 +11 .03~~

+66 -25 -11 .035

-11 A(17)
+17 C(16)

3 ± 9



12894

2 02.8 -55 07 F2 +3.5 2st

GL2512

6.4 F2

		+0113 ± 8.3	-023 ± 6.5		
49.924	1400.6	+0087	-009	13.10	1895.7
-558		<u> </u>	<u> </u>	1.25	
<u>.368</u>		<u>+0114</u>	<u>-014</u>	<u>11.85</u>	
		+093			

57.237

52.345

49.632

631

-40

591

661

49.72

732

23.62 1928.41

11.82 38.9

1938.4

11.80

34.4

12.4

-26

12.16

11.82

+3

11.79

98

+22.301

2 02.2 +22 84

2.05
+224

+643
~~875~~

-22

-13

12201

S.A.M.

110274

2 019 +12 17 9.1 gm/yr

-22.08

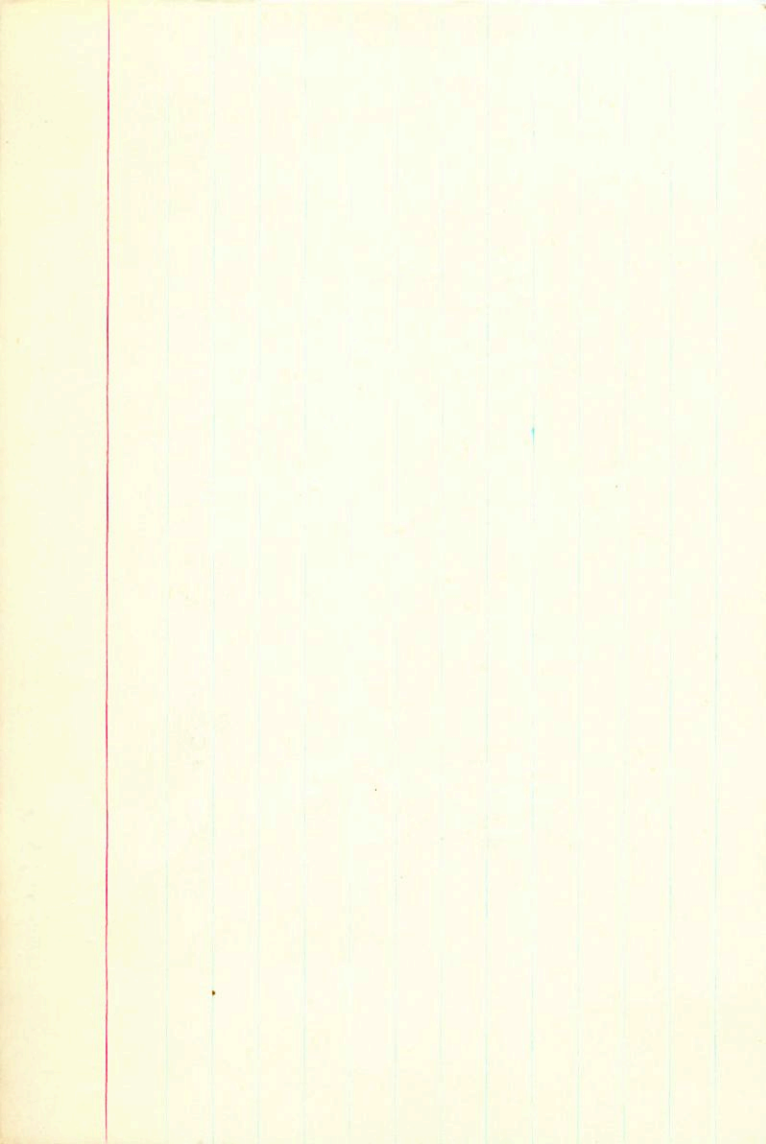
-0060

-019

A5284

(A5284)

A5284



2
14642
2485
1137

D 01.2

9.267 1891.7

-076
191

53.640
15.518
9.2108
18
226
4
222

$10013 \pm 7.5 - 058 \pm 4.5$
 $+0007$ -061 $3u$
-04 21 5.9 CMS +24.58

-4 20 32.18 1900.2

289
29.29

45.13 1934.68

$5.60 + 1.58 + 1.87$
1410
31.00
11
31.11
14
31.25
33
31.58

503 864 670 242 +047 -048 -1.7 -032 -8 -171

-024 016 041 -028 019 250 -8.7 -8 -4 013

-7 +17 -21

$\boxed{+4 -27 -7}$

HVLS

K3 II 8

70.9 (18)

4051630

2 00.5

+42 06

-11.7m

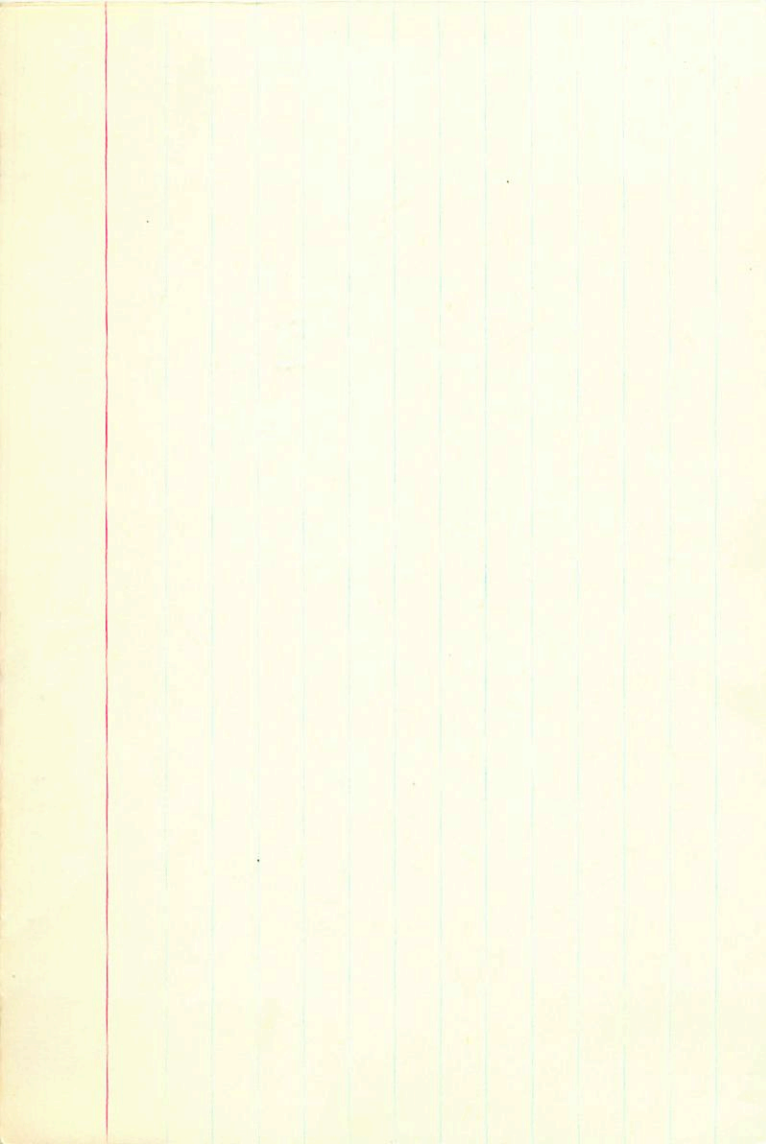
17523

+046 -050 G-C

+049 -047 F

+045 -047 N30

+047 -048



10 AM
12558

2 008

+7098 +3.0
+0098
42

+025 +23
+029
5.7
420
+15.88
117

2476

1132

AD51631

48.671 1591.2

+25 41 44.8 1593.1

-570

.101

48.586

640

+6098 +028
+0086 +21

-142
42.76
44.15 1590.70
-2
44.13 3
87 something

592
397
+397

50 79

+6098 +0271
+121
133
1158

47 1.37

1132 +023

6604

4447

9106 9416
4132 -0804

137

4883
-11
487

334 +023

-14

4431

72.014

503 864 434 501 +132+025 +15.8 011 +7 109

-066-006 114 010 -260 559 14.2 +12 +7 0195

$$-6 + 35 + 13$$

+36 -9 +5

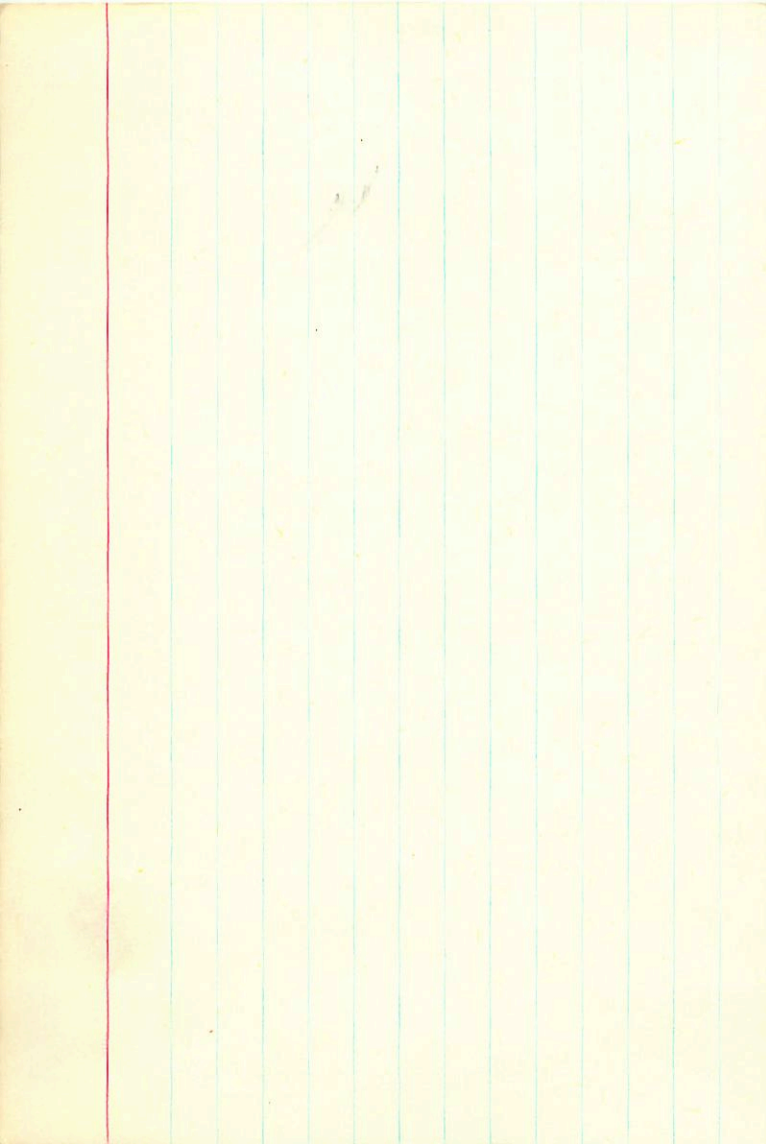
-12 +44 +14 015

+45 -15

ADS1631 2 00.8 +25 42 +15.88

0195-

+132 +025 cc



10Ami PAVOL 2 00.5 +25 42 DE4 X15FF8

+131 (D)

1255F

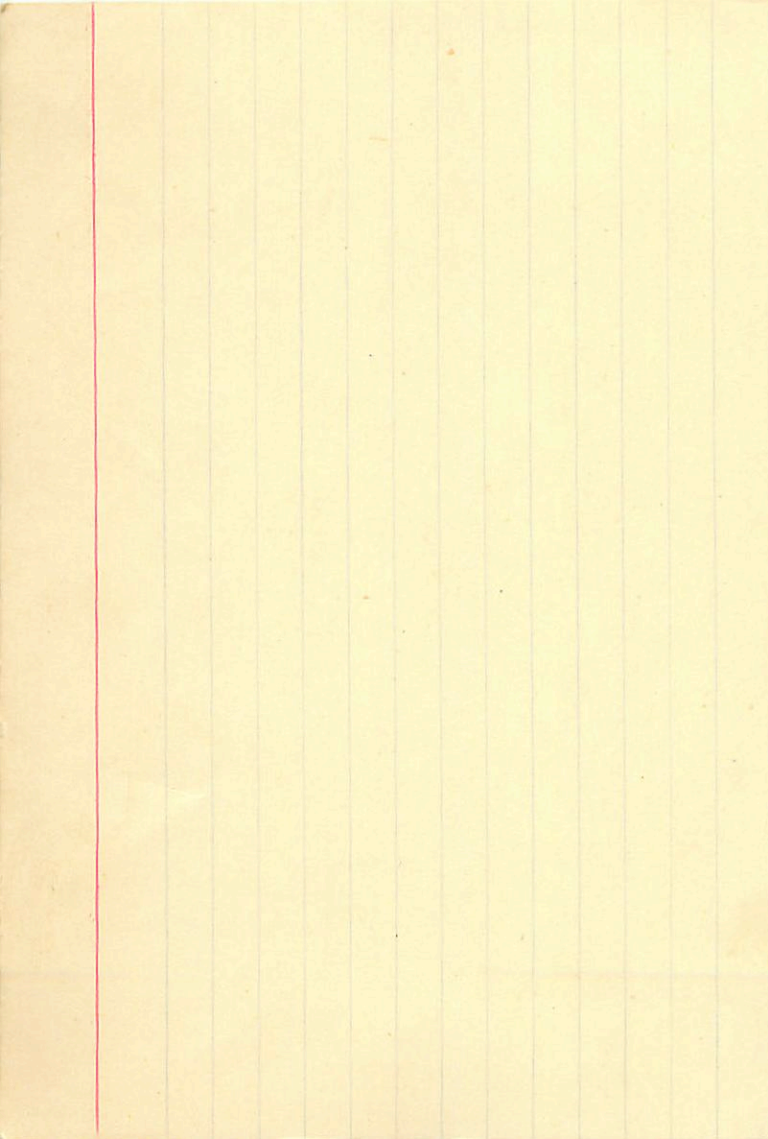
+132 P025 GC

A051431

J.P.F.O

.0195 +36 -9 +5

(3)



12350

2

00.2

+20

57

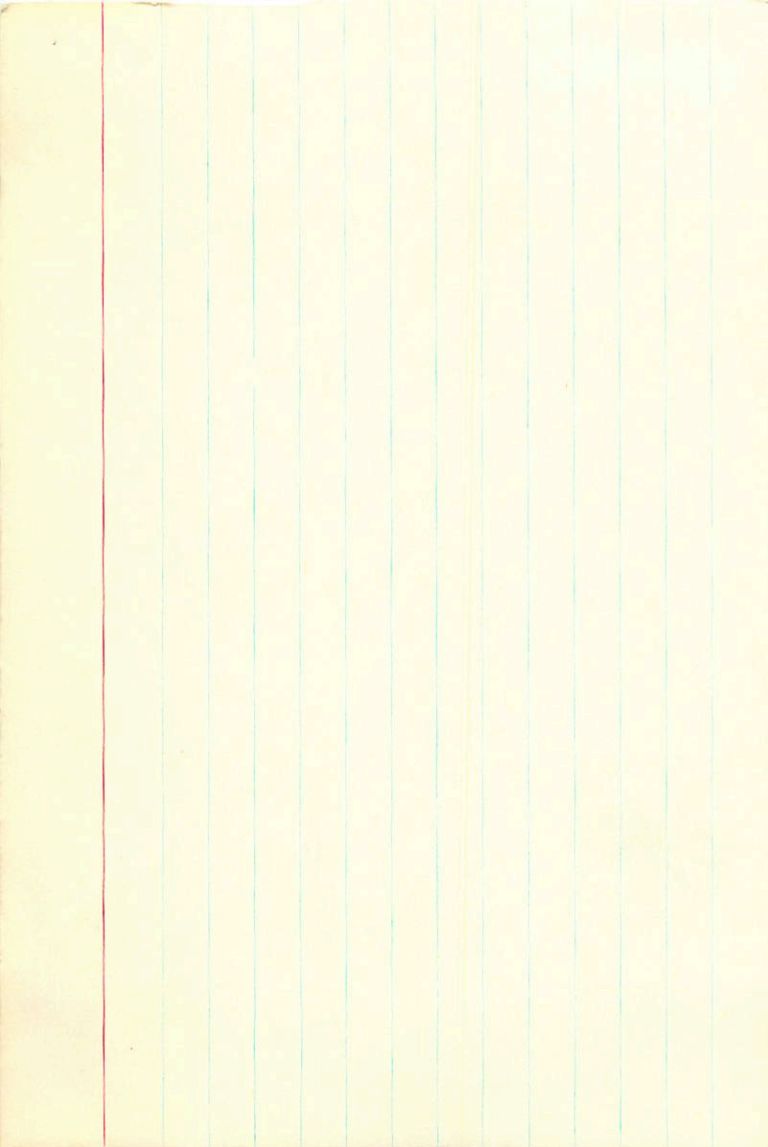
-9

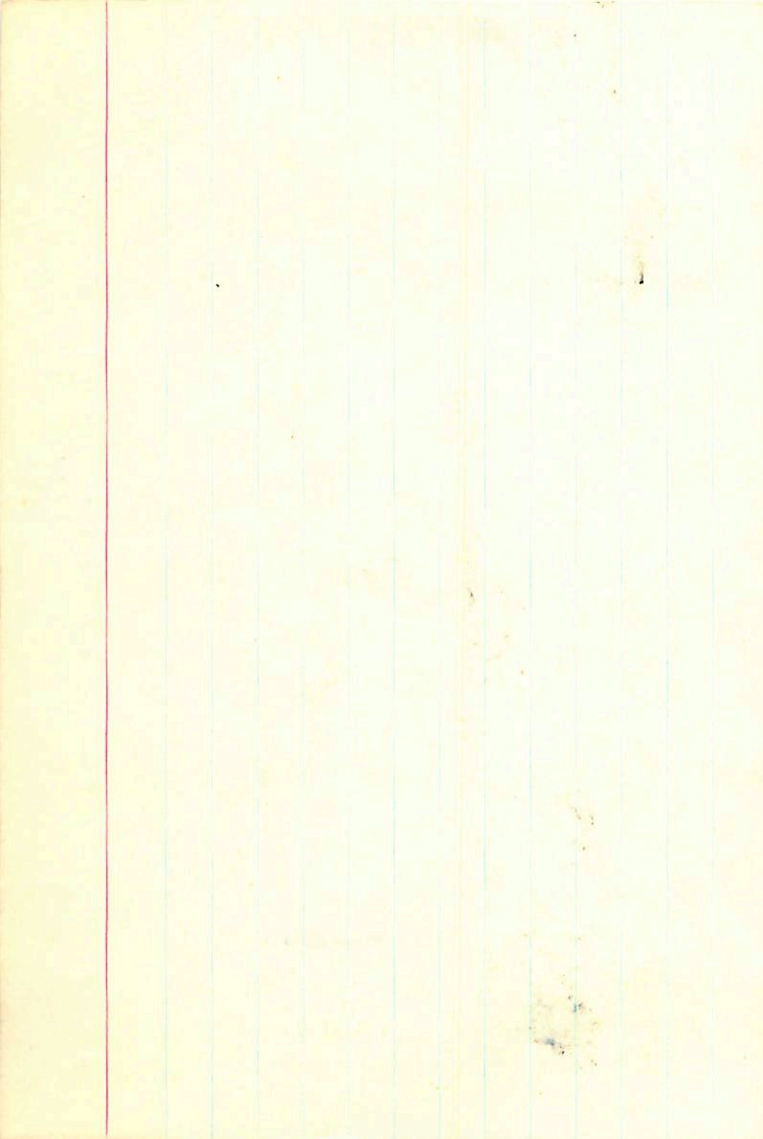
2

df0

+70°157

-022-006642





ADD 16.21 91W

12471 2 60.0 +3.3 03 5.4 A2m +3.36

1125

A2 III

2458

2.194 1899.1 +3.3 2 38.35 1894.1

11^m 45

066
260

39.05

34.44
07.520

34.0

23.6
15.52

1925.45

46.14

2.190

39.12

38.56

33.1
39.0

250

22.1
-039

38.21

49

23

2.205

38.55

1940.69

309

38.41

38.56

✓
500 866 - 706 + 708 - 032 - 043 - 306 030 + 22 - 112

✓
016 - 015 - 028 026 - 047 - 204 - 217 - 19 - 11

010

- 24 - 31 + 8

- 25 + 9 + 30

2 Ph 1 58.7 - 44 57 NO - 30.60

H0602

5.12 +1.50

-034 -045 GC
-020 -041 N30

12-524

1123
2455

-041 N30

~~0095~~
010

-030
-0025
230
-0422.8 GC
N30



+30275

2w

CC140 1 59.5 403 42 9.5 d12c -48c

1122

$\frac{9}{-0240} \quad - - 300 \text{ cm}^2$

$$500 \quad 946 \quad 0 \quad | \quad 036 \quad 0 \quad +8.6 \quad 0 \quad 0 \quad 0 \quad 0 \quad \checkmark$$

$$-018 \quad 0 \quad 031 \quad 0 \quad -085 \quad 147 \quad \checkmark \quad 18.6 \quad +7 \quad +4 \quad 020$$

$$+3 \quad +11 \quad 0$$

+10	-6	0
-----	----	---

$$018$$

$$+2 \quad +12 \quad 0$$

+11	-4	-4
-----	----	----

A05K.5

2100A

1 58.5 102 31 43 429 +866K

12447

(596)

4.30 10.03

5.2 A32

+P.P

157 015

1119

+0025 +002 N30

+033 +001 60

.020

2452

+0022 +001 fl.v

+035 +002 N30
+036 +002

5m 2.5'

40 } 2.5"
50 }

12402.000*

1.000*
59.300*
28.000*
10.000*
0.067*
-0.002*
5.500*
125.893
16.200

0.228
0.662

39.435

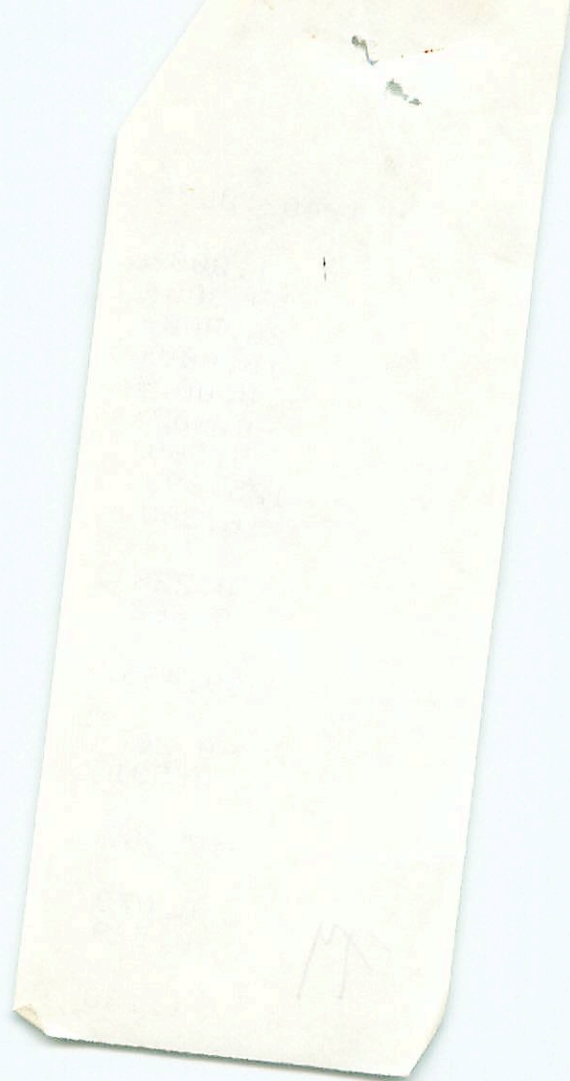
-0.207
0.531

-17.487

0.078
-0.529

1.188

74



R.A. : 2.000
DEC. : 28.150
M. R.A. : 94.000
M. DEC. : -3.000
DISTANCE : 5.500
MODULUS : 126
RAD. VEL. : 16.200

q1 (U) : 0.722
q2 (U) : 0.193
q3 (U) : 0.664
dU : 281.030
U : 46.137

q1 (V) : -0.636
q2 (V) : 0.561
q3 (V) : 0.529
dV : -257.986
V : -23.909

q1 (W) : *M* 0.271
q2 (W) : *A* 0.805
q3 (W) : -0.528

24

12402 / 55.3 428 10 RI III 416.2 f

Carbide

± 6.0

+0050, 0000
+2

+0050 +002544

0003-003

083-003

6.57 +1.00 +0.671

6.17 +0.34(3)

587

(58)

Hydro

94

13

5.5

+16.2

30 446.5
303

1066
~~1067 1002~~

9124

4047

9450

-0996

0823
0053

475

598.000*

1.000*

59.000*

54.000*

14.000*

0.000*

-0.034*

6.001*

199.526 *mg*

-5.000

0.117

0.679

19.465

-0.104

0.724

-24.886

0.038

-0.121

8.385

73

23

4Paw
+0010
-0018

590 1 59.0 +54 14

71800
113
203

858
10750

12303

5.04 - 0.08 - 0.32 35

2442

~~+00188~~ +0012

E = 0.18

-022⁶ 102 778 2-70962
55 782 2889
190
978

+00396 +00104
-00083 +0056
-00843 -38

W357
15487

6582

E = +0.5

146
447
236

-5.6

1.4

V₀ = 4.79

B - B₀ = -13

u - u₀ = -35

276
203
200
212

+0300
+029 +002

5.85

Same out?

MV
5889 7465
-1614 -1654

R.A. : 2.000
DEC. : 36.500
R.A. : 0.000
DEC. : 0.000
DISTANCE : 0.000
MODULUS : 10
VEL. : 0.000

q1 (U) : 0.722
q2 (U) : 0.095
q3 (U) : 0.685
dU : 0.000
U : 0.000

q1 (V) : -0.636
q2 (V) : 0.479
q3 (V) : 0.605
dV : 0.000
V : 0.000

q1 (W) : 0.271
q2 (W) : 0.873
q3 (W) : -0.406
dW : 0.000
W : 0.000

72

72

AP51613

1

59.2

+36

29

+16.38

497 868 555 804 +164 -056 +16.3 -033 +10 -213

-082 016 142 -029 -251 $\sum_{j=1}^5 749 + 13.1 + 11 + 7$

-244 -1
+144 02

~~36-18-57~~

~~39-20-5~~

015

-3 +49 -2

~~43-22-7~~

019

+10 -20 -7.

Van Gendrick

Prof. Yehon U.S. #6

$P = 12.91$

$Q = 0.12$

$\Pi = 0.18$ $m_1 + m_2 = 6.6$

$m_1 = m_2 = 0.5$

AG-C 1005.91 339 0.70 34 34 $m_1 = 2.4.9$

1514.52 325 0.30 44 44 $P = 2074$

1524.25 291 0.24 1003 $\mu = 0.76$ $m_1 + m_2 = 2.6.5$

1524.04 206 0.72 1003

500 866 952 306 -044 +027 -14.3 026 -136008

022 013 -038 023 0 -242 -44 -38 -2.2 021

-4 -13 -14

$\boxed{-18 -7 -2}$

035

044

-7 -9 -14

$\boxed{-15 -9 -3}$

-3.8 -7.7 -13.4
 $\boxed{-13.3 -8.5 -1.5}$

✓

-3.8 -11.5 -13.3

026

-4 -10 -14

030

✓

$\boxed{-14.6 -6.7 -0.8}$

-16 -9 -2

50 Cas / 52.1 + 72.11 - 14.38

HPC 580 4.00^H + 0.11^H A1.5

-042 + 02766
-042 + 027630
-042 + 028 FK3
-044 + 027

~~40504~~

-00919 + 0295 F104

12421 155.5 15 15

55025

(110)

602439

+0073 +017
+008 +008
+0070 +40 +013 +7.8

80.453 1.7 15.54 98.5
-328 -67
+113 16.26

+0075 +013 32.13 0718
+00814 +0173 16.55 -0152

384
30.31
+0077
389

15.5
-84
15.89

+0066
15.58
-50
16.08
+05
16.03

32340
13845

2841 32.13
+0066 +16.55

R.A. : 1.950
DEC. : 35.050
M. R.A. : 104.000
M. DEC. : 74.000
DISTANCE : 6.000
MODULUS : 158
RAD. VEL. : 2.400

q1 (U) : 0.729
q2 (U) : 0.117
q3 (U) : 0.675
dU : 335.266
U : 54.755

q1 (V) : -0.634
q2 (V) : 0.489
q3 (V) : 0.599
dV : -84.193
V : -11.905

q1 (W) : 0.260
q2 (W) : 0.864
q3 (W) : -0.431
dW : 407.924
W : 63.618

21

71

10069±5.6 +078±3.3 2L
+⁶⁹
+ +35 04 8.1 F3E +24C

12246

2429

088074

2.554 1902.2 33 3 50.67 1893.8
-330
1224

39.12
28195
7.394
416
416
3

26.6

8/4
407
83
+1

7.419
419

104
74
6
24

31.5 1927.7 175
17.60
49.10 28.8
35.0
48.25
46.747
48.55 +2.1

49.1 19298
-13
48.97