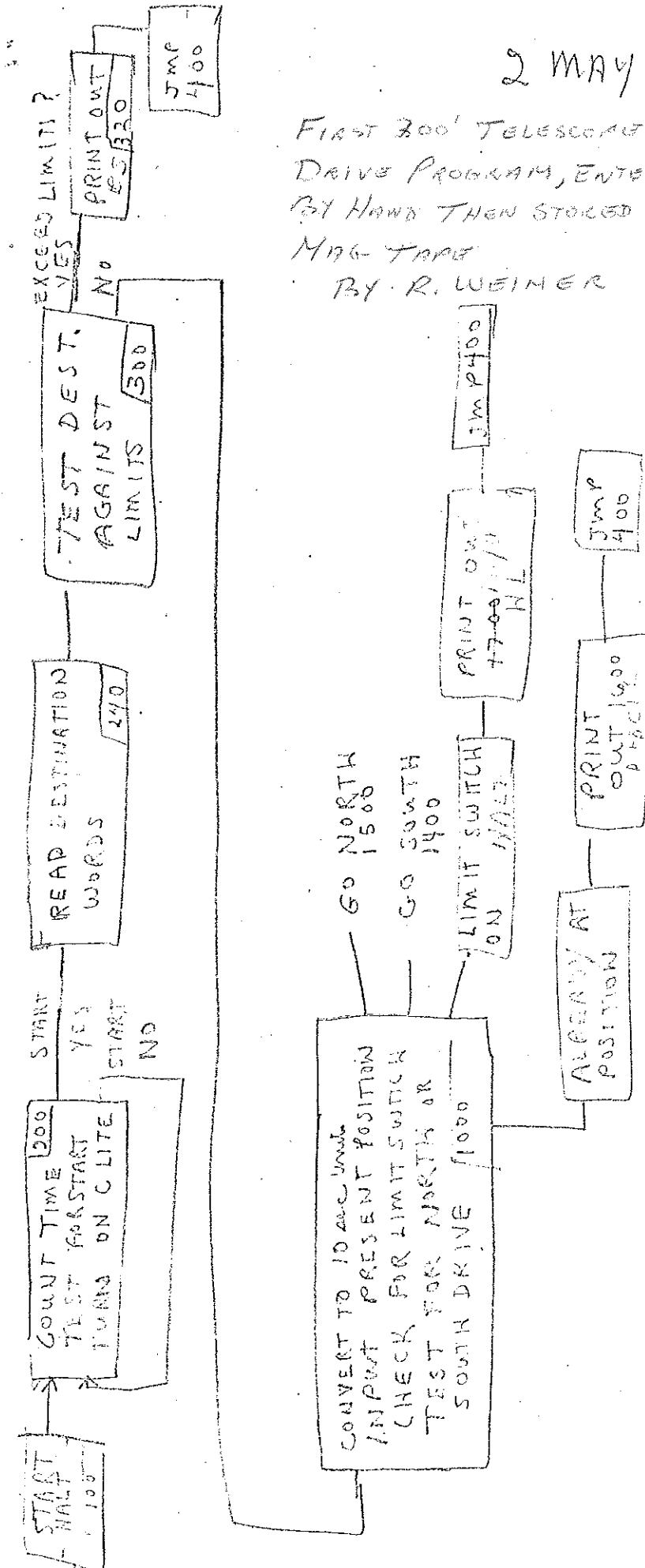


auto position mode



2 MAY 68

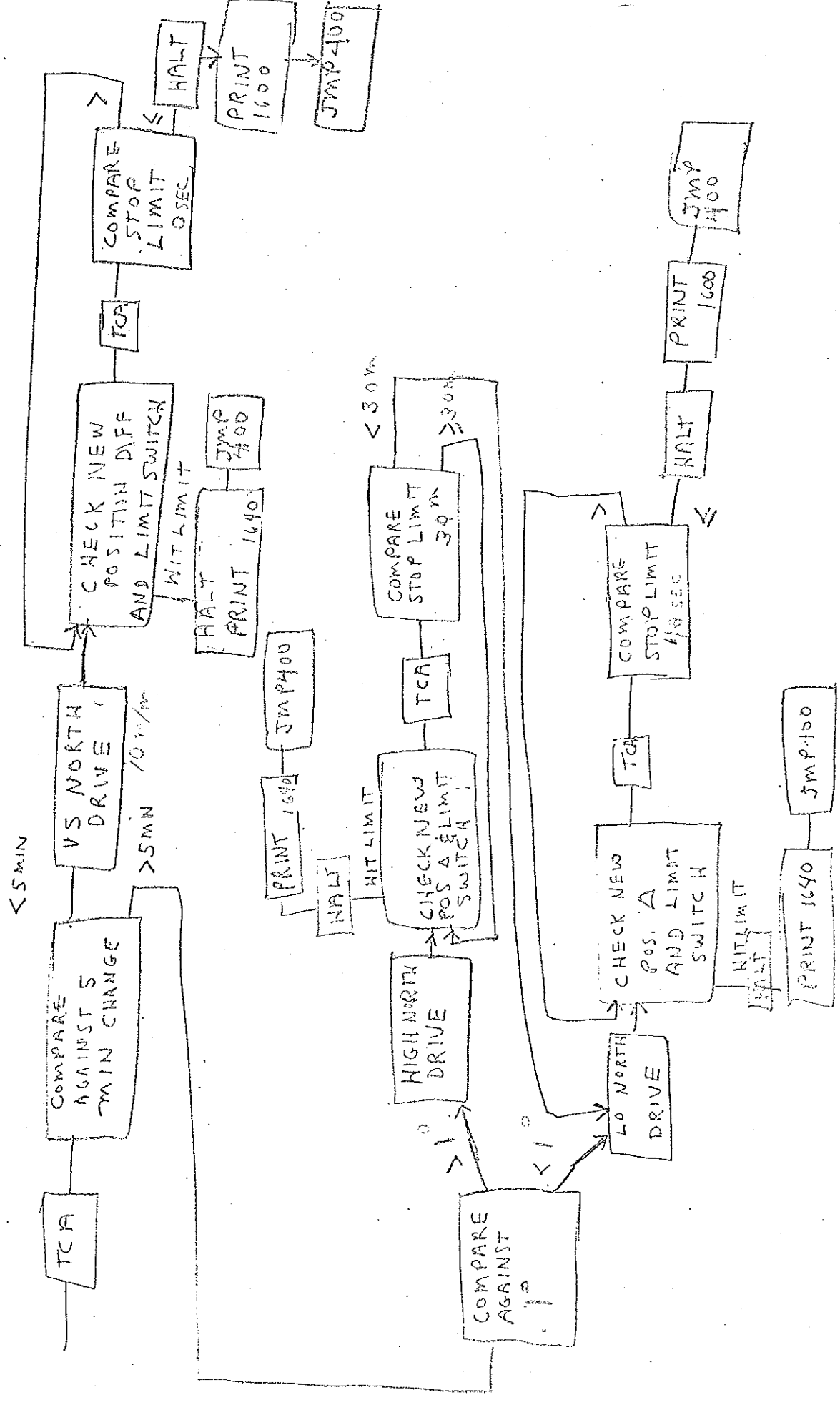
FIRST 300' TELESCOPE
DRIVE PROGRAM, ENTERED
BY HAND THEN STORED ON
MAG TAPE
BY R. WEINER

055	025320	150000	1
054	025800	140000	1
053	231400	323600	0
052	230400	304700	0
051	225200	320000	0
050	224400	320100	0
049	222700	354800	0
048	221800	382900	0
047	215000	370000	0
046	213400	332700	0
045	212100	341200	0
044	211300	222100	0
043	204900	283500	0
042	204200	250800	0
041	201900	265700	0
040	195700	524500	0
039	183800	530500	0
038	182000	550700	0
037	174700	422900	0
036	171300	375500	0
035	170100	384200	0
034	163200	380600	0
033	162400	392500	0
032	161000	344000	0
031	153300	453000	0
030	152100	425400	0
029	150800	395100	0
028	143900	424000	0
027	142600	475800	0
026	141300	464300	0
025	135700	485100	0
024	134800	333600	0
023	133100	371300	0
022	131000	572000	0
021	130000	342600	0
020	122100	322600	0
019	120800	575500	0
018	112200	603500	0
017	103800	534800	0
016	102400	600400	0
015	100800	572700	0
014	095300	592900	0
013	092900	553700	0
012	085500	713500	0
011	075900	570600	0
010	073900	601500	0
009	071800	584200	0
008	013600	382700	0
007	012700	373800	0
006	011300	334100	0
005	010500	352200	0
004	004600	340800	0
003	002900	372300	0
002	002200	392700	0
001	001000	314700	0

Typical
Star List

16 April 68

90 NORTH - 1500



90 SOUTH SAME EXCEPT NO TCA & ALL DRIVES SOUTH

WRITE ON TAPE

10 40
 11 2000
 12 OCP314
 13 OCP1014
 14 SKS 114
 15 JMP 14
 16 HALT

20-0 CPOG 14 write EOF

no Ring
 READ TAPE

10 100040
 11 102000
 12 OCP214
 13 OCP314
 14 SKS 114
 15, 16 JMP 14
 21 HALT

Space forward 1 file

77 WALT
 100 SRI
 1 JMP *167
 2 LDA 165
 3 STA 416
 4 CRA
 5 OTA1076
 6 JMP 105
 7 JMP 200
 110 212 time interrupt loc
 1 040000 time mark
 2 177766 (-10)
 3 1000 Break int loc
 4 0 — stop
 5 006000 H North
 6 005000 L North
 7 004400 L South
 120 004200 H South
 1 004111 V.S. North
 2 004051 V.S. South
 3 36 5 min V.S.
 4 550 1 beg H L
 5 6 V.S. stop
 6 4 L.S. stop 40 sec
 7 2.64 H S. stop 30 min
 130 215 CR
 1 212 LF
 2 304 D
 3 207 BELL
 4 310 H
 5 314 L
 6 302 B
 7 323 S
 140 074776 NL 8645
 1 166156 SL 1355
 2 1110
 3 1111
 4 1112
 5 1136
 6 177776 -200

new ↓

~~47 350
 50 2007
 51 3000
 52 177754
 53 2056
 54
 55~~

2 second Delay
 6 TCA of 1.5 Sec
 5 L
 20

147 410
 150 2200 BCD word loc
 151 177774 (-4)
 152 3000
 153 44
 154 77 (Delay)
 155 Rie Sec of TCR
 156 2137 Time interrupt loc
 157 2300 #413 relay jump out
 160 314 L
 161 323 S
 162 316 N
 163 307 G
 164 777776 -2 for Time
 165 002200 JMP 200
 166 102157 JMP *157
 167 2000
 170 177777 Blank printer
 171 17 Blank printer
 172 377 Blank printer
 173 170 Blank printer
 174 2400 Start of F
 175 177736 34 spaces

* 200 LDA 110
 1 STA 31
 2 LDA 111
 3 OPA 120
 4 LDA 112
 5 STA 700
 210 ENB
 1 JMP 211
 2 RES
 3 IRS 701
 4 JMP 210
 5 OCP 060
 6 INA 1460
 7 JMP 216
 220 ALS 75
 1 SMI
 2 JMP 224
 3 JMP 240
 4 IRS 700
 5 JMP 230
 6 SCB
 7 JMP 204
 230 RCB
 1 JMP 206

START

no sleep

6 LDA 112
7 STA 701

input test for 4 bit
 move to sign bit
 shift of A sign (-) is 1 in bit 4 in B
 215 Pushed

240 ALS 76
 1 SMI
 2 JMP 244
 3 JMP 270
 4 ERA
 5 STA 700
 6 STA 701
 7 DCP 66
 250 INA 1460
 1 JMP 250
 2 STA 700
 3 INA 1460

Check for NS Bit
 1 in B
 NORTH ROAD CAMP 24

Take out

254
 5
 6
 7
 260
 1
 2
 3
 X 4
 5
 6
 7
 270
 1
 2
 3
 4
 5
 6
 7

JMP 253
 ARR 70
 ALS 70
 ADD 701
 STA 701
 IAB
 CRA
 LDA 700
 JMP 300

0406
 415

CRA
 STA 700
 AOA
 STA 701
 JMP 247

300 STA * 142
 1 IAB
 2 STA * 143
 3 JST * 145
 4 LDA * 144
 5 CAS 140
 6 NO OP
 7 JMP 320

(1110)
 (1111)
 CONVERT @ 1136

NORTH LIMIT

>
 = BS

310 CAS 141
 1 JMP 314
 2 NO OP
 3 JMP 320
 4 LDA * 143
 5 IAB
 6 LDA * 142
 7 JMP * 113

BS

320 SKS 0104
 1 JMP 320
 2 OCP 0104
 3 LDA 130
 4 OTR 04
 5 JMP 324
 6 LDA 131
 7 OTR 04

BS

330 JMP 327
 1 LDA 136
 2 OTR 04
 3 JMP 332
 4 LDA 137
 5 OTR 04
 6 JMP 335
 7 JMP 400

DELAY

Delay 2 seconds to prevent repeated print

```

400 LDA 144
  1 STA 701
  2 LDA 147
  3 STA 31
  4 LDA 111
  5 OPA 120
  6 ENB
  7 JMP 407

```

no step

```

410 Res
  1 IRS 701
  2 JMP 406
  3 CRA
  4 OPA 1076
  5 JMP 414
  6 JMP 200 or JMP *157
    AP

```

STOP! shouldn't be needed

changes at start depending upon 551

Op	Op Code	Op Name	Op Size	Op Addr	Op Data	Op Comment
1	H	H	10 M			
2	H	H	10 M			
3	M	M	1 M			
4	M	M	1 M			
5	acc	acc	10 acc			
6						
7	Op Blk	Op Blk				
8	Op Blk	Op Blk				
9						
10						
11						
12						
13						
14						
15						

```

500 SKS 0005
1 JMP 504
2 INA 1005
3 NO OP
4 OCP 0005
5 INA 1005
6 JMP 505
7 ALS 74

```

skip of Card reader Ready to output

```

510 INA 0005
1 JMP 510
2 ALS 74
3 INA 0005
4 JMP 513
5 ALS 74
6 INA 05
7 JMP 516

```

```

520 JST *150
1 TCA
2 STA 155
3 STA 700
4 LDA 152
5 STA 703
6 LDA 151
7 STA 701

```

convert BCD to Binary

for use in program

3000

(-4)

```

* 530 JMP 562
1
2 OCP 0005
3 LDA 151
4 STA 702
5 CRA
6 ALS 74
7 INA 0005

```

(-4)

```

540 JMP 537
1 IRS 702
2 JMP 536
3 STA 703
4 IRS 703
5 IRS 701
6 JMP 533

```

check for last 4 bits word

no skip

check for last word/line

no

17/1/60

547
 ↗ 550
 ↘
 1
 2
 3
 4
 5
 6
 7
 560
 1
 2
 3
 4
 5
 6
 7

IRS 700
 JMP 556
 SR3
 JMP *174
 CRA
 AOA
 JMP *154
 SKS 0105
 JMP 556
 JMP 526

 SKS 0105
 JMP 562
 INA 1005
 NO OP
 JMP 532

yes check for lastSource
 No
 set = print table Reset no print
 Print
 no print

1000	STA 1100		1100	Res	Dest
1	STA 1110		1101	Res	Dest
2	FAB		→ 1102	Res	Dest Us
3	STA 1101		1103	Res	Present
4	STA 1111		1104	Res	Present
* 5	JST 1136	CONVERT	→ 1105	Res	Present
6	LDA 1112				
7	STA 1102				
*1010	JST 1300	INPUT			
1	LDA 1103				
2	STA 1110				
3	LDA 1104				
4	STA 1111				
5	JST 1136	CONVERT			
6	LDA 1112				
7	STA 1105				
1020	SUB 1102				
1	S NZ				S skip if not zero
* 2	JMP 1600				
3	SPL				S skip if Plus
* 4	JMP 1500				go North
* 5	JMP 1400				go South
6					
7					
1030					

Input Words stored in { 1110 Res m s B₀ 9
 1111 Res 10 and Sec of N's

assume bits not used = 0

conversion output → 1112 location of result

Input Word	Operation	Address	Output Word	Location of Result
1136	Res JS T min		1113	7020 units in 10°
1137	CRA	1140 TAB 1141 CRA	1114	550 u. in 1°
2	STA	1112	1115	74 u in 10 MV
3	LDA	1110	1116	6 u in 1 m
4	IAB		1117	Res 10's Deg
5	LLL	74	1120	Res 10 Deg
6	STA	1117	1121	Res 10's mini
7	CRA		1122	Res 1's mini
1150	LLL	74	1123	1307 P127 location
1	STA	1120	1124	001000 P127 mini
2	CRA		1125	
3	LLL	74		
4	STA	1121		
5	CRA			
6	LLL	74		
7	STA	1122		
1160	LDA	1117		
1	MPY	1113		
2	IAB			
3	ADD	1112		
4	STA	1112		
5	LDA	1120		
6	MPY	1114		
7	IAB			
1170	ADD	1112		
1	STA	1112		
2	LDA	1121		
3	MPY	1115		
4	IAB			
5	ADD	1112		
6	STA	1112		
7	LDA	1122		
1200	MPY	1116		
1	IAB			
2	ADD	1112		
3	STA	1112		
4	CRA			
5	IAB			
6	LDA	1111		
7	IAB			

9 3 2 1

1210 LLL 74
 1 ADD 1112
 2 STA 1112
 3 LLL 65
 4 CRA
 5 LLL 77
 6 SZE
 7 JMP 1221

F

0 = NORTH
 1 = SOUTH

x
 x
 1220
 1 LDA 1112
 2 TCA
 3 STA 1112
 4 JMPX 1136
 5
 6
 7

INPUT

1300 RES

1 LDA 1123

2 STA 36

3 LDA 1124

4 OTA 120

5 EN 8

6 JMP 1304

7 RES

Set up mask

- no disk

1310 OCP 163

1 INA 1460

2 JMP 1311

3 STA 1103

4 INA 1460

5 JMP 1314

6 STA 1104

7 CRA

clear interrupt

1320 OTA 120

1 OCP 265

X 2 ~~INA 1460~~

4 LGR 64

5 SNZ

6 JMP * 1300

7 CRA

3 JMP 1322 Input Limit switch word!
(404)

skip if limit hit

1330 OTA 1070

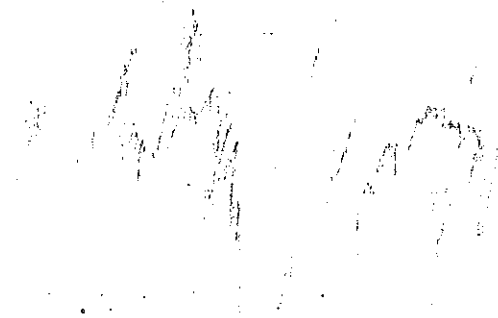
halt

X 1 JMP 1330

2 JMP 1640

print HL

COMPARE



1340

RES

1

JST 1300

2

LDA 1103

3

STA 1110

4

LDA 1104

5

STA 1111

6

JST 1136

7

LDA 1112

1350

STA 1105

1

SUB 1102

2

JMP # 1340

Go SOUTH

14 00	CAS 123	
* 1	JMP 1420	A > S split II
2	NO OP	A = S
3	LDA 122	A < S may not be same as before
4	OTA 1070	> V.S. south 5 min/min
5	JMP 1404	DRIVE
6	JST 1340	<u>COMPARE</u>
7	CAS 125	VS end limit
1410	JMP 1413	A > S
1	NO OP	A < S halt
* 2	JMP 1600	A < S <u>halt</u>
3	STA 702	
4	JMP 1406	
7		

1420	CAS 124	SPLIT II
1	NO OP	A < S
* 2	JMP 1440	A > HIGH
3	LDA 117	A < S
4	OTA 1070	LO SOUTH
5	JMP 1424	DRIVE
6	JST 1340	<u>COMPARE</u>
7	CAS 126	
1430	JMP 1433	A > S
1	NO OP	A < S
* 2	JMP 1600	A < S HALT
3	STA 703	
4	JMP 1426	

14	LDA 120	
1	OTA 1070	DRIVE
2	JST 1340	COMPARE
3	CAS 127	
4	NO OP	A < S
5	JMP 1417	A > S
6	JMP	A < S

14 40 LDA 120
 1 OTA 1070
 2 JMP 1441
 3 JST 1340
 4 CAS 127
 5 NO OP
 6 JMP 1450
 7 JMP 1423

HI SOUTH
 DRIVE
COMPARE

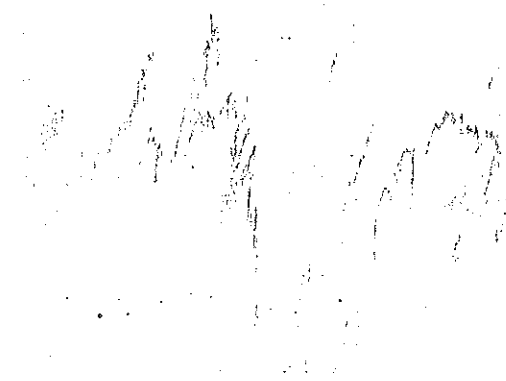
Hi South.

1450 STA 704
 1 JMP 1443

LO SOUTH

GO NORTH

1500	TCA	
1	CAS 123	
2	JMP 1520	SPLIT II
3	NO OP	
4	LDA 121	
5	OTA 1070	VS NORTH 5' / min
6	JMP 1505	DRIVE
7	JST 1340	<u>COMPARE</u>
1510	TCA	
1	CAS 125	
2	JMP 1515	
3	NO OP	
4	JMP 1600	<u>HALT</u>
5	STA 705	
6	JMP 1507	
7		
1520	CAS 124	
1	NO OP	
2	JMP 1540	HIGH
3	LDA 116	
4	OTA 1070	LO NORTH
5	JMP 1524	DRIVE
6	JST 1340	<u>COMPARE</u>
7	TCA	
1530	CAS 126	
1	JMP 1534	
2	NO OP	
3	JMP 1600	HALT
4	STA 706	
5	JMP 1526	(h)



- 1540 LDA 115
- 1 LOTA 1070
- 2 JMP 1541
- 3 JST 1340
- 4 TCA
- 5 CAS 127
- 6 NO OP
- 7 JMP 1551

high

COMPARE

- 1550 JMP 1523
- 1 STA 707
- 2 JMP 1548

LOW NORTH

W

```

1600 STA 710
    1 LDA 114
    2 OTA 1070
    3 SKS 0104
    4 JMP 1603
    5 OCP 0104
    6 LDA 130
    7 OTA 0004
1610 JMP 1607
    1 LDA 131
    2 OTA 0004
    3 JMP 1612
    4 LDA 132
    5 OTA 0004
    6 JMP 1615
    7 LDA 133
1620 OTA 0004
    1 JMP 1620
    2 JMP 400
    3

```

halt
starp

enable output - 33

```

1640 SKS 0104
    1 JMP 1640
    2 OCP 0104
    3 LDA 130
    4 OTA 0004
    5 JMP 1644
    6 LDA 131
    7 OTA 0004
1650 JMP 1647
    1 LDA 134
    2 OTA 0004
    3 JMP 1652
    4 LDA 135
    5 OTA 0004
    6 JMP 1655

```

1657 JMP 400

LDA 166
STA 416
LDA 144
STA 712
LDA 700
JMP 1020

Doc 2 = FIRST SOURCE
2 = second source

10th source = 10000

- A HOLDS 4 DIGIT BCD NO OF FIRST SOURCE

2020

SNZ
AOA
JST 1200 BCD convert
TCA
AOA } sub 1
TCA }
JMP 1040

2010 Start Time (ST) MSB
1 ST LSB
2 ST units
3 PT MSB
4 PT LSB
5 PT units

710 (-10) for 0100
711 (-10) for 01100
712 -2 for divider times

720 (start source - 1)
721 TCA source left
722 Start memory cell

2040

No OP
1 STA 720 Start Source - 1
2 ADD 155 (TCA of # of sources in list)
3 STA 721 TCA of source left
4 LDA 720
5 MOPY 153
6 IAB no overflow
7 ADD 152 (3000)

2050

STA 722 Start memory cell

1 LDA *722
2 STA 1010
3 STA *142
4 IRS 722 ≠ 0
5 LDA *722
6 STA 1011
7 STA *143

2060

IRS 722 ≠ 0
1 JST *145 convert

2 LDA *144
3 STA 1012
4 LDA 112 (-10)
5 STR 710
6 LDA 112 (-10)
7 STA 711

2070

OCF 161

```

2071  INA 1460
      2  JMP 1071
      3  STA 1013
      4  STA *142
      5  INA 1460
      6  JMP 1075
      7  SLZ
2100  AOA
      1  STA 1014
      2  STA *143
      3  JST *145
      4  LDA *144
      5  STA 1015
      6  CAS 1012
      7  JMP 1150
2110  JMP 1113
      1  JMP 1122
      2
      3  LDA *722
      4  IRS 722
      5  IAB
      6  LDA *722
      7  IRS 722
2120  IAB
h     1  JMP 300

```

set LSB of A = 0 (NS bit in position)
 bit 2 ≠ 0 but should not hurt
 ↳ set to 10A of seconds

PT > ST invalid
 PT = ST go,
 PT < ST DELAY & test again

To check limit settings of AP program

```


2130  STA 31
      1  LDA 111
      2  STA 120
      3  ENB
      4  JMP 1135
      5  Res
      6  IRS 711
2140  JMP 1134
      1  IRS 710
      2  JMP 1145
      3  SCB


```

DELAY FLASH C BIT & TRY AGAIN

20

```

2 LDA 164
3 STA 712
2124 IRS 710
5 JMP 1130

```

156 = 2137

```

6 RCB
7 JMP 1131
2130 SCB
1 LDA 156

```

```

2 STA 31
3 LDA 111
4 OFA 120
5 ENB
6 JMP 1134
7 RES

```

```

2140 IRS 711
1 JMP 1135

```

```

2 LDA 710
3 SZE 100040
4 JMP 1006
5 JMP 1064
6
7

```

```

2150 SR2
1 JMP 1122
2 IRS 712
3 JMP 1124
4 JMP 1340

```

Delay of 55 2. reset
 set Delay and try again anyhow
 reset test first or second time
 Try one more time

4 Bit BCD word in A Register, out Binary in B Regis

2200	RES		2250	Res	
1	STA 1250		2251		10 ³
2	CRA				10 ²
3	IAB		2		10 ¹
4	LDA 1250		3		10 ⁰
5	IAB	113	4		10 ⁰ of Rem
6	LLL 74	177645	5		12
7	STA 1251		6		144
2110	CRA		7		1750
2211	LLL 74				
2	STA 1252				
3	CRA				
4	LLL 74				
5	STA 1253				
6	CRA				
7	LLL 74				
2220	STA 1254				
1	LDA 1253				
2	M PY 1255				
3	IAB				
4	ADD 1254				
5	STA 1254				
6	LDA 1252				
7	M PY 1256				
2230	IAB				
1	ADD 1254				
2	STA 1254				
3	LDA 1251				
4	M PY 1257				
5	IAB				
6	ADD 1254				
7	STA 1251				
2240	JMP* 1200				

Test and Teletype print

2300 IRS 721 Test for last source
 1 JMP 1051 start again next source
 2 SKS 0104
 3 JMP 1302
 4 OCP 0104
 5 LDA 130 CR
 6 OTA 0004
 7 JMP 1306

2310 LDA 131 LF
 1 OTA 0004
 2 JMP 1311
 3 LDA 160 L
 4 OTA 0004
 5 JMP 1314
 6 LDA 161 S
 7 OTA 0004

2320 JMP 1317
 * 1 CRA get set for next entry
 * 2 JMP *154
 3

2340 SKS 0104
 1 JMP 1340
 2 OCP 0104
 3 LDA 130 CR
 4 OTA 0004
 5 JMP 1344
 6 LDA 131 LF
 7 OTA 0004

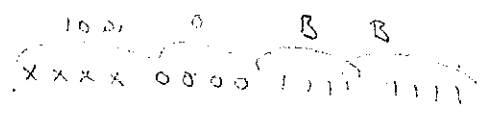
2350 JMP 1347
 1 LDA 162 N
 2 OTA 0004
 3 JMP 1352
 4 LDA 163 G
 5 OTA 0004
 6 JMP 1355
 7 CRA

2360 JMP *154 get set for next entry

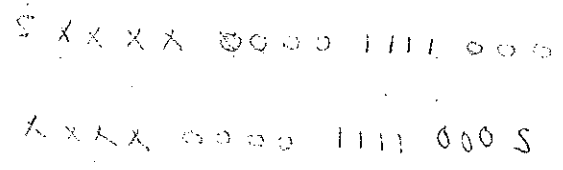
FRANKLIN PRINTER - PRINTER ON AUTO.

Line	Address	Operation	Comments	Source	Target	Notes
24 00	LDA 155			170	177777	
01	STA 700			171	112	(B)
02	LDA 112			172	377	
3	STA 702	1000		173	170	
4	STA 703	1000		174	2400	
5	AOA			175-177730	700	100's 100's
6	STA 704	100			701	Core address
7	OCP 000		Trans. Condition on		702	100's 100's
24 10	no op				703	100's 100's
1	no op				704	100's 100's
2	no op				705	100's 100's
3	no op				706	100's 100's
4	LDA 170					
5	OTA 100	store				
6	JMP 1415					
7	OTA 100	store				
24 20	JMP 1417					
1	LDA 152					
2	STA 701	3K				
3	NO OP					
4	NO OP					
5	LDA 703	100				
6	SUB 112	address				
7	STA 705					
24 30	LDA 704	100				
1	SUB 112	address				
2	STA 706					
3	LDA 702	1000				
4	SUB 112					
5	ALS 74					
6	ADD 705					
7	ALS 74					
24 40	ADD 706					
1	ALS 74					
2	ADD 171					
3	OTA 000					
4	JMP 1443					
5	LDA * 701					
6	OTA 000					

2447 JMP 1446
 2450 IRS 701 No SKIP
 1 LDA *701
 2 ALR 74 416
 3 ALS 64
 4 ADD 172
 5 OTA 000
 6 JMP 1455
 7 IRS 701 No SKIP



2460 LDA *701
 1 ~~OTA 0000~~ 2462 JMP 1461
 3 IRS 701
 4 LDA *701
 5 IRS 701
 6 ALR 74
 7 ALS 65



2470 ADD 173
 1 ALR 77
 2 OTA 100 (S) print
 3 JMP 1472

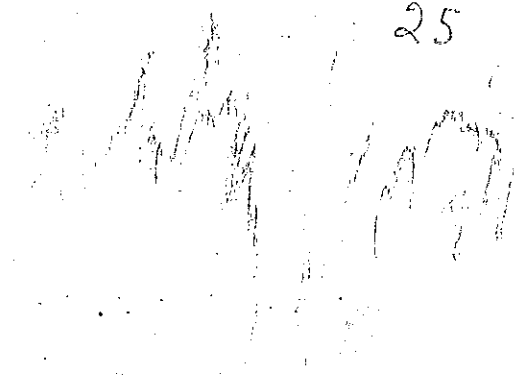
4 No op
 5 IRS 700 Test last source
 6 JMP 1514 No
 7 LDA 175

2500 STA 707 -10
 1 LDA 170 Rembr
 2 OTA 100
 3 JMP 1502
 4 IRS 707 Rem-34
 5 JMP 1502
 6 CRA
 7 AOA

2510 OCP 100
 1
 2
 3
 4 IRS 707
 5 JMP 1425

251 6
7
252 0
1
2
3
4
5
6
7
253 0

LDA 112
STA 704
IRS 703
JMP 1425
LDA 112
STA 704
IRS 702
JMP 1425
HALT



NO	TIME	POS
001	00:45:30	38:29:00
002	00:57:00	30:23:00
003	01:04:00	32:46:00
004	01:18:00	34:15:00
005	01:25:00	33:53:00
006	01:32:00	37:14:00
007	01:43:00	36:36:00
008	02:12:00	74:23:00
009	06:56:00	72:33:00
010	07:32:00	60:55:00

alternate for 300 ft antiposition source printout
using Teletype

2400	LDA	155	(TBA source)	170	2600
1	STA	700		171	2630
2	LDA	112	(-1)	172	272
3	STA	703	100 count	173	280
4	STA	704	100 1/2 count	174	2400
5	AOA		(-9)		
6	STA	705	100 count		
7	NO	OP			

2410 LDA 170 start head

1 STA 701
2 LDA 171 stop head

3 STA 702
4 SKB 0104
5 JMP 1414

6 OCP 0104
7 LDA *701

2420 OTR 04
1 JMP 1420

2 IRS 701
3 LDA 701

4 CAS 702
5 JMP 1430

6 NO OP
7 JMP 1417

2430 LDA 152
1 STA 706

2 LDA 703
3 ADD 172

4 OTR 04
5 JMP 1434

6 LDA 704
7 ADD 172

2440 OTR 04
1 JMP 1440

2 LDA 705
3 ADD 172

4 OTR 04
5 JMP 1444

6 LDA 1705

700 PCB 10
701 PCB 10
702 PCB 10
703 PCB 10
704 PCB 10
705 PCB 10
706 PCB 10

> stop
=
< stop
(3K)

NO NORTH / SOUTH
→

244 7 O T A 0 4
 2450 J M P 1447
 * 1 L D A 1605
 2 O T A 0 4 (sp)
 3 J M P 1452
 4 L D A * 706
 5 I A B
 2462 C R A
 3 L L L 74
 2464 A D D 173
 5 O T A 0 4
 16 J M P 1465
 7 C R A
 2470 L L L 74
 1 A D D 173
 2472 O T A 0 4
 3 J M P 1472
 2474 L D A 1631
 5 O T A 0 4
 6 J M P 1475
 7 I R S 701
 2500 J M P 1462
 1 I R S 706
 2502 L D A * 706
 3 I A B
 4 C R A
 5 L L L 74
 6 A D D 173
 7 O T A 0 4
 2510 J M P 1507
 1 L D A 1632
 2512 O T A 0 4
 3 J M P 1512
 4 L D A 164
 5 S T A 701
 * 6 L D A 1605
 7 O T A 0 4
 2520 J M P 1517
 1 I R S 701

3000

6 L D A 164
 7 S T A 702
 2460 L D A 164
 1 S T A 701

2 words/cod

2 digits/cod (-2)

10 1/2 hrs / 100 min

units of hrs / unit min

No IRIP

100 min

0 unit min

(-2)

sp.

2522 JMP 1516
 3 IRS 702
 4 JMP 1526
 5 JMP 1533
 6 IRS 706
 7 LDA*706

2530 IAB
 1 JMP 1460

2532
 3 IRS 706 no skip
 4 LDA 130 CR
 5 OTR 04
 6 JMP 1535
 7 LDA 131 LF

2540 OTR 04
 1 JMP 1540

2542 IRS 700 rest of last source
 3 JMP #550 NO
 4 CRA YES
 5 AOA
 6 JMP #154 halt at 150
 7

2550 IRS 705
 1 JMP 1432
 2 LDA 112
 3 STA 705
 4 IRS 704
 5 JMP 1432
 6 LDA 112
 7 STA 704

2560 IRS ~~702~~ 703
 1 JMP 1432 No skip (input to 2550)

2600	0	CR	215
	1	LF	212
	2	LF	212
x	3	N	316
x	4	O	317
x	5	SP	240
	6	SP	240
	7	SP	240
2610	0	SP	240
	1	SP	240
	2	T	324
	3	I	311
	4	M	315
	5	E	305
	6	SP	240
	7	SP	240
2620	0	SP	240
	1	SP	240
	2	SP	240
	3	SP	240
	4	P	320
	5	O	317
	6	S	323
	7	CR	215
2630		LF	212
	1	:	272
	2	O. (zero)	260

