

mead

Failure Log

5 subject notebook

10½In. x 8 In. 130 Sheets
5 Sections/26 Sheets Each
Wide Marginal Ruled

05-7860

A Mead Product
Hulman Bldg., Dayton, Ohio 45402



6-23-78

BPR
103/68

W
B
C 20

7. 10:09

8. 10:10

9. 10:12

103/65

10/69

10. 10:13 102/69 sitting

11. 10:14 122/72 standing

12. 10:17 23/70 ← standing on head

13. 10:18 122/68 standing

14. 10:19

15. 10:20

89/57
114/79

other interconnected cable #2 Barlow?

1. 10:21 122/78

2. 10:23 110/70

3. 10:24 100/72

4. 10:25 114/57 exercise BPR # 109

5. 10:26 111/67

6. 10:27 116/61

7. 10:29 110/63

8. 10:30 102/54

9. 10:32 103/66

10. 10:33 110/66

ECG of R
10:33

Failure Log

6-21-78 BPR #108 & extended pump time inaccurate readings

Transducer's #114 failed to pick up readings
#113 gave erroneous readings 06/06 etc

6-22-78 Recorder #107

I.C. Cable #2

Sens

(W)

Test ~~ECG~~ calibration WT 9:55
ECG on 10:00

sitting Test 106/66 10:01

AUS
10:03 104/72

10:04 104/66

10:05 98/62

10:06 96/66

10:07 98/66

10:08 96/62

BPR

100/69

103/69

100/66

101/70

95/69

99/68

failed to pick up BP record ECG time, picked up several readings in evening and 15 hrs labor in morning nothing in between

? Everything checked out?

Failure Log

7-10-78 BPL #108 transducer #106

Parent Mr. Glenn Cleavor

No trouble when tested at
at 9:30 am 7-10
on Test sequence when
diastolic pressure was released
quickly an erroneous reading
would replace the previous
correct reading

equipment checked out next
morning consistently for 6
readings and then failed
to register in either the
7.5 or Test position tapping
the cut produced no
response from the BPR

32 lbs per foot

HT $\frac{WT}{TWT}$ per foot

6 $\frac{190}{18}$ 3.2 lbs
7.5 $\frac{10}{6}$ per foot
40
38

Test of New Transducers (2)

and Super low readings.

242

Setting

Sensitivity	Low	Normal	High
	121/61	117/68	
	114/68		

11

6-11-78

MS

Patient - T. Kaye - age 15 years
(Quadruplegic)

BPR # 109

Transducer # 242 new one

Holter # 107

Machine checked out consistently
and was left working fine
Machine continued working through
out the 24 hr period - no
problems

Test 6-11-78

BPR #108 Transducer #106

High sensitivity	Subject setting	Simon	Thornlon
		136/78	transducer responded to tapping of finger on table
		109/69	
		105/57	

High Sensitivity	BPR #109	Transducer #106
	no register to taps on cuff registered	transducer responded

6-11-78

Patient - T Kaye age 15 years
(Quadruplegic)

BPR # 109

Transducer # 242 new one

Holter # 107

Machine checked out consistently
and was left working fine
Machine continued working through
out the 24 hr period no
problems

Cycle	A	B	C	D
1	1247 ¹³¹ /68	1248 ¹²³ /59	1250 ¹⁰⁵ /31	1252 ¹³⁴ /70
2	1254 ¹³² /73	1255 ¹¹⁵ /59	1257 ⁹⁸ /16	1258 ¹²⁰ /39
3	1000 ¹²¹ /68	102 ¹¹⁹ /29	104 ¹⁰⁴ /10	105 ¹²⁶ /48
4	106 ¹³² /68	108 ¹¹⁴ /36	110 ¹⁰⁵ /18	112 ¹⁴⁵ /55
5	113 ¹⁴² /67	115 ¹²² /41	117 ¹⁰⁴ /15	118 ¹²⁵ /37
6	120 ¹³¹ /68	121 ¹¹⁰ /31	123 ¹⁰³ /13	125 ¹¹⁴ /43
7	126 ¹³³ /62	128 ¹¹⁹ /28	130 ¹⁰⁶ /15	131 ¹²⁵ /51

8
8
8

n=7 systolic

Means f SD

systolic mean	131.7	117.43	103.57	122.71
SD	6.10	4.65	2.64	6.97

67.71	40.0	16.86	49.0
3.20	13.94	6.72	11.27

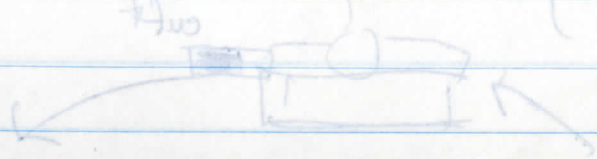
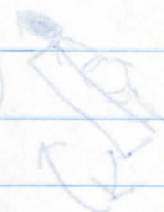
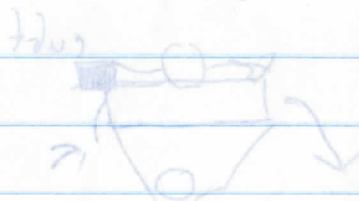
<u>131.7</u>	<u>117.43</u>	<u>103.57</u>	<u>122.71</u>
67.71	40	16.86	49

(A) turning right to left

(B) in upright non tilted position

(C) left to right

(D) in upright non tilted position



Head tilted up approx 7°

T Kayle 7-11-78

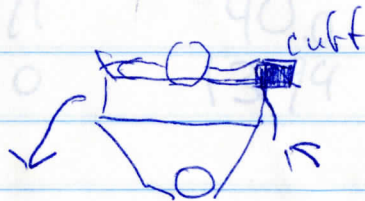
A, B, C, D, denote positions of bed during cycle

(A) right arm down starting cycle to left



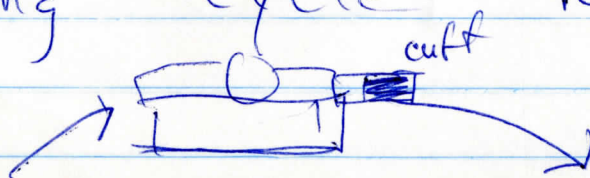
right side down approx 75°

(B) Patient level ~~starting~~ continuing cycle to left



(C) left arm down approx 87° starting rotation to the right

(D) Patient level ~~cont~~ continuing cycle to right



Tommy Kaye

15

M

7-11-78

Position A

B

C

D

Cycle Time BP

"

"

"

7.5 / 45

spec grav 1.07
of blood

$$\begin{array}{r} 19 \\ 136 \overline{) 260} \\ \underline{136} \\ 124 \end{array}$$

$$1.07 \overline{) 19}$$

$$132 \overline{) 260}$$

26 cm heart to right arm left side down

33 cm heart to right arm right arm down

33 cm flat no angle

33 cm right side down

33 cm flat

33 cm left side down

$$\begin{array}{r} 136 \overline{) 260} \\ \underline{136} \\ 124 \\ \underline{124} \\ 0 \end{array}$$

from center of arm

4:42 right arm up C $\frac{104}{24}$

$$\begin{array}{r} 5 \\ 136 \\ \underline{1024} \end{array}$$

$$\begin{array}{r} 4 \\ 213.6 \\ \underline{1.07} \\ 952 \\ 13660 \\ \underline{14532} \end{array}$$

$$13.6 \times 1.07 \quad \sqrt{316}$$

$$14.5 \overline{) 310}$$

7

~~777~~

467
325
162

Rotating Bed

x 60

1 cycle 4 periods

Seconds

Period A-B Time 1 = ~~75~~ 75

~~5.22 min~~

2

~~747~~ 467

3

867

4

21 min 05 seconds

Period B-C Time 1 = 185

2

580

120

3

980

4

23 55 seconds

Period C-D Time 1 = 244

2

700

3

16 min 17 sec

4

~~26 min~~ 25 min 50 sec

Period D-A Time 1 = 325

4 26 min 20

2

785 seconds

3

19 min 40 sec

1 total Cycle time =

2

3

4

105
75
105

13
700
60
100
100
6

16

16
26
108
180

20

Cuff
Inflation

BPR at 7.5 minute Intervals

Time

cycle position

9:02 1

Body Position

1 C

9:10 2

Body Position

2 C-D

3

Body Position

4

Body Position

5

Body Position

26:00 20 min 5

281 = 1 min T C-B

150

032

5

039

3

26:00 22 22

445 = 1 min T C-B

505

3

592 51 min 31

3

26:00 25 min 25

4

353 = 1 min T A-D

26:00 28 28

5

992 31 min 31

3

= 10 min 1 total Cycle time =

5

3

4

2/02/2020
2/02/2020
2/02/2020

18.17 T Kaye
+60

Bed not moving

Time	BP	
7-12-79 8:29	145/50	level
8:40	107/67	rt arm down
8:55	107/11	left arm down
9:02		

patient being puffed
bed not rotating
regular

Bed Robot

9:02	114/25	1	C
9:10	112/39	2	C-D
9:18 ^{O₂ slipped off}	239/62	3	D-A
9:25	115/66	4	D-A
9:32	128/59	5	D-A
9:40	235/147	6	A-B
9:47	119/11	7	B-C
9:55	108/19	8	C-D

A Cycle

A-B = 75 seconds
 B-C = 315
 C-D = 315
 D-A = 395

2740 sec
29.30

10:02	9 118/36	9 C-D
10:10	10 119/20	10 C-D

7-12-78 T Kaye

Rotating Bed 1 cycle = 4 periods

Time (sec)	① cycle	② cycle	③ cycle	④ cycle	⑤ cycle
A → B	75	112	82	85	75
B → C	110	123	123	170	120
C → D	67	120	117	115	120
D → A	81	85	93	30	80

total	5:35 min sec	4:50 min sec	5:15 min sec	6:42 min sec	6:35 min sec
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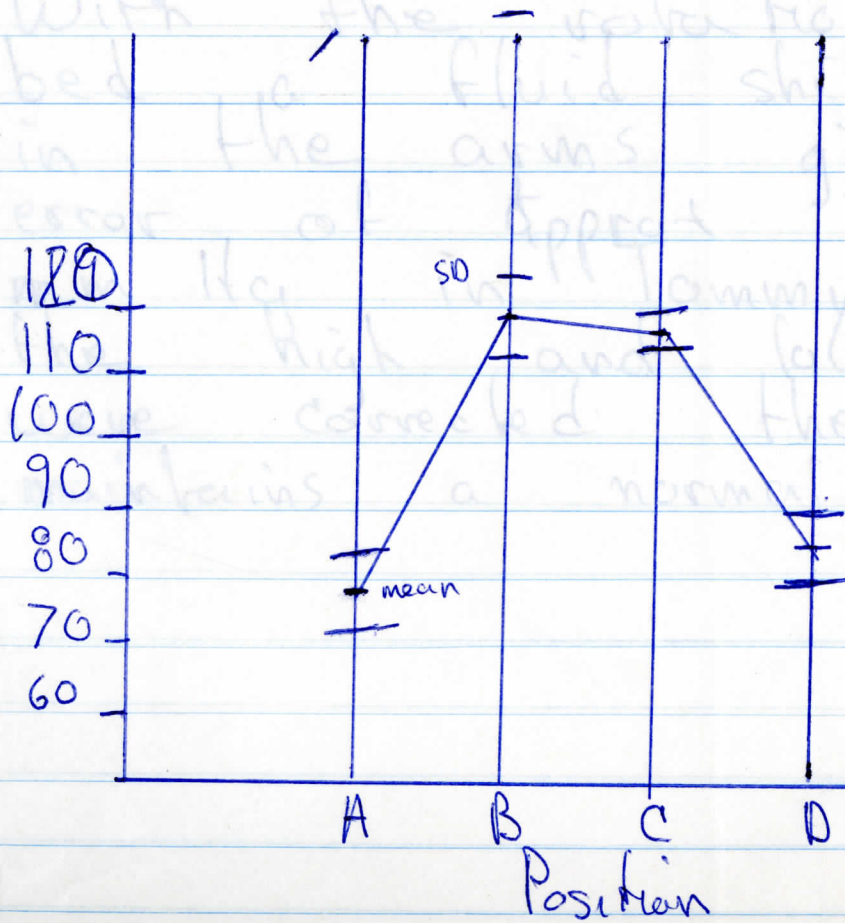
n=4

	A → B	B → C	C → D	D → A
mean	79.25	119.0	118.	84.7
SD	5.06	6.16	2.45	5.91



Time in Seconds

335
290
315
402
395



347.470
5 min 47 sec
SD 49 sec

Arm Rotating Bed 4 period (position)

With BPR monitor on Quadraplegic subject set to 7.5 there exists a regular cycle ~~to~~ consisting of 8 bed cycles ~~to every~~ per hour. This cycle is represented in the printer plotter print out graph by high and low points occurring regularly giving the graph a wave form. With the rotation of the bed a fluid shift occurred in the arms giving an error of approx ± 20 or -20 mm Hg in Tommy Faye when the high and low pressures were corrected the graph maintains a normal appearance.

Reep

#167 Cathy

electrodes

Mr. S Artega

Age 35 7-13-78

Patient on a "Stryker" face
down 2 hrs face up 4

Urine Collection

Arm Measurement

Test run without any mechanical
complications

Mr. James Cox

7-20-78

BPR 109

Holter 107

Trans 242

Massive head injury: subject all
equipment working fine

August 21, 1978

BPR # 108
Transducer # 403
Holler # 105

Mr. Overman
M 49

Systolic pressures were consistently higher by 12-20 mm Hg. diastolics were right on. Replaced with transducer corrected the problem.

August 2

Mr. Willie Lockett

BPR 108

16/10/8 108

Transducer #441

Everything checked out with
best procedures

Ent: - Enter

~~16:08~~

Loaded Program

16:35

S → Ent. Stops Program

Cassette - Play & switch computer

Start tape - RUN → Ent: (Pause)

hear code see → **
tape pauses allows reading

automatically stop at 200 readings

200 type in Patients name

Break : Ent : stops loading

GO to 100 : Ent.

Ask for name Ent
date Ent

level maladjust no asterisk

Bad file Rewind Play

Type in CONT:EWI

advance paper to paper break

GO TO 100: Ent

Name
Date

Manual Editing ↓ D for Delete
1 Line number
Ent

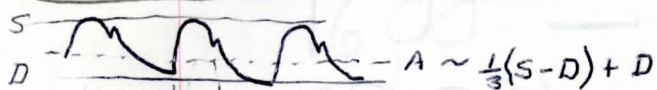
put back in R
1 line number
Ent

Page P 3 number
Enter

Auto Editing A
Enter

Ent changes Page

Col #4 $\frac{1}{3}$ pulse pressure + diastolic = avg. press



H Ent: for Help

E for exit Ent:

24 A, Ent. { high scan for error
low

Aug
val

E, L → Ent lists all data
advance to paper break

E Ent:

P, P3, PA, HA Ent:

A

0000 Time

0730 Sleep

Comments? Sleep

A average

0730 → 1700

↳ Daily Act

1700 - 0030 Relaxation

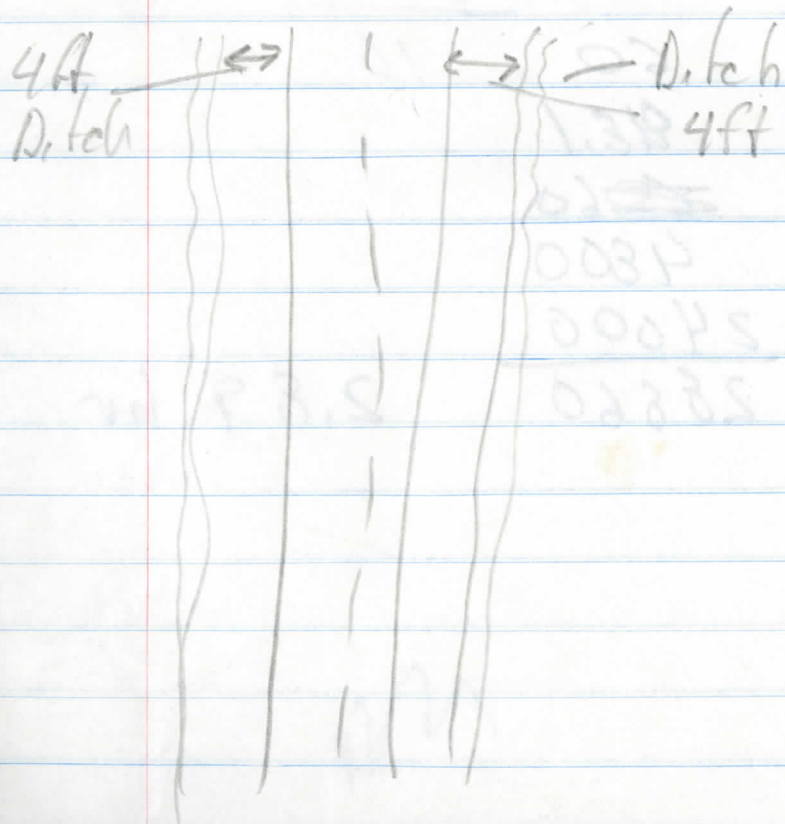
24 A ÷ Ent.

Aluminum Feasibility Study

Date June 16, 1979

Location: Friendswood, Texas
Sunset Drive

Sunset Drive is a 2 mile long street between S 18 and S 28 passing through subdivision it is a two lane blacktop well traveled by commuters.



Equipment, 1 plastic bag 15¢
 Time spent: 1:20 minutes
 Aluminum gross wt 22 lbs
 - 10% debris - 2.0
 net wt 20 lbs

20 lbs

2.20

4.00

- 15

3.85

80 1385

32

65

64

60

48.1

~~260~~

4800

24000

28860

2.89 hr