

Date Phase Record No.

Record :- 1960 Aug 18-19 (+17) []
 Duration :- 21 h 30 m - 22 h 30 m
 Time Analysed :- 21 h 30 m - 22 h 30 m

CROSS CALIBRATION.

	Beg.	End.
20 mA def. (D)	2.02	2.08
Cross Zero	6.00	5.95

$$d = 0.1782 \times g(z) \times D$$

[g(z) = 1.00 --- from Table 1]

Time -->

D	2.05																			
Cross Zero	5.98																			
d	.37																			
2d	.73																			
3d	1.10																			
4d	1.46																			
5d	1.83																			
6d	1.19																			

NORTH/SOUTH READINGS.

$$T = mA \times f(N/S) \quad \text{--- (for } f_{(N/S)} \text{ see Tbl.2)}$$

Time	A		B		C		D		E	
	mA	T	mA	T	mA	T	mA	T	mA	T
2200	2.0	80	1.9	72	2.0	72	2.0	74	2.2	86
2230	1.7	68	1.7	65	1.7	61	1.9	70	2.0	78
2300	1.6	64	1.6	61	1.6	58	1.7	63	1.8	70
2330	1.5	60	1.5	57	1.5	54	1.6	59	1.6	62
0000	1.4	56	1.4	53	1.4	50	1.5	56	1.5	59
0030	1.4	56	1.4	53	1.4	50	1.5	56	1.5	59
0100	1.3	52	1.3	49	1.4	50	1.4	52	1.5	59
0130	1.3	52	1.3	49	1.3	47	1.4	52	1.5	59
0200	1.4	56	1.4	53	1.5	54	1.4	52	1.4	62

REMARKS :-

TIME	+ A -	+ B -	+ C -	+ D -	+ E -
22 00	-15	-9	5	-2	-11
	-12	-4	5	-11	6
	-11	-5	-11	-12	-11
	-20	4	-1	-8	-10
	-58	-14	-2	-33	-26
04	-1	-10	-1	-13	-8
	-9	-8	-3	-14	-9
	-4	1	0	-6	-2
	0	-6	-12	4	-2
	-14	-23	-16	-31	-21
08	0	-1	-6	-15	0
	-4	3	-	-4	1
	-8	-10	0	-9	-14
	-3	-1	-2	-1	-2
	-15	-9	(-11)	-29	-15
12	-4	-7	0	-16	-15
	-7	-3	-14	-4	6
	4	-7	5	-3	-12
	-7	-10	3	1	-15
	-14	-27	-6	-22	-36
16	-2				
	-				
	-9				
	(-22)				
	-2	1	-4	-5	-6
20	8	-14	-5	9	0
	-8	-24	-10	-1	2
	-2	-5	-8	-5	-14
	-4	-42	-27	-2	-18
	-16	0	7	-5	-19
24	-6	-8	-10	-2	-13
	-10	-4	-4	0	-4
	-6	-12	-14	-2	-2
	-38	-24	-21	-9	-38

Calculation

TIME	+ A -	+ B -	+ C -	+ D -	+ E -
22.28	-12	-6	3	-4	-10
	-9	-10	-12	-15	-9
	-9	-10	-9	-15	9
	-6	1	-2	5	-4
	-36	-25	-20	-29	-14
32	-9	2	-14	-12	-1
	-1	1	-16	-18	-6
	-12	4	-13	-19	-5
	-2	-8	-8	-8	-21
	-24	-3	-41	-46	-14
36	1	-9	-11	4	-13
	6	1	-9	-20	-5
	-9	-9	-16	-1	-10
	-7	-13	-9	-10	-1
	-9	-20	-45	-27	-29
40	-11	-10	-10	-13	-6
	-5	-20	0	-10	-7
	-7	-3	-9	-10	-17
	-10	-1	-1	-20	-5
	-33	-34	-20	-53	-35
44	-6	1	-10	-12	-1
	-10	-12	-2	-6	-16
	1	-6	-6	-6	0
	-10	-2	-16	4	7
	-25	-19	-34	-20	-10
48	-20	9	-8	-12	4
	-2	-5	14	3	-4
	-10	0	-10	-9	4
	0	-14	8	1	10
	-32	-10	-14	-17	-6
52	0	0	-5	0	0
	-6	-4	-9	-	-
	-	-	-	-	-
	-20	1	8	-1	-10
	(-5)	(-6)	(-5)	(-2)	(-20)

TIME	+ A	-	+ B	-	+ C	-	+ D	-	+ E	-
2256	-6		4		6		2		-8	
	-2	10			-		10	0		
	-4	2			6		-2		-10	
	-1	1			11		-8	6		
	-13	+17			(35)		-18		-12	
2300	0			-2	-1		-9	2		
	-1		-12		3		-11	0		
	-4		-12		-5		9		-11	
	-8		-4		1		1		-7	
	-13		-30		-2		-10		-16	
04	-4		-6		-5		4		-4	
	-4		3		1		-6	4		
	7		-2		5		1		-3	
	-1		-2		-8		-1		-4	
	-2		-7		-7		-2		-7	
08	7		4		-2		-5		-2	
	-2		-3		-1		6		7	
	-4		-9		6		0		-6	
	-2		-3		4		4		-4	
	-1		-11		7		6		-5	
12	9		4		-3		-3	4		
	9		-1		6		-9		-2	
	-5		-2		-2		10		-7	
	9		1		7		5		-5	
22	2		2		8		3		-10	
16	2		7		6		-1		-1	
	2		2		-2		-13		-4	
	6		10		2		-2		-2	
	1		-2		3		-6		-1	
	11		17		9		-22		-8	
20	-1		3		-7		6		0	
	0		-10		-2		11		11	
	-2		-8		-2		1		-5	
	6		-6		-2		8		-4	
	-9		-21		-13		26		2	

TIME	+ A	-	+ B	-	+ C	-	+ D	-	+ E	-
23	2		0		-2		6			-1
24	5			-1	-3		-1			-9
		-1		-5	6		-2		5	
	7		2		-2		1		0	
	+13			-4	-1		4			-5
28	-5		7		-5		-1			-9
	0		1		1		-18			-10
		-4		-4	-7		-1			-10
		-8		-1	0		2		0	
		-17		3		-11	-18			-29
32	-2		-1		-2		3			-1
	3			-6	-4		5			-6
		-6		-1	3		-12			-14
		-2		10		-3				3
		-7		-2	-6		(-19)			(-28)
36										0
	2			-3	2		-3			-9
	0		2		4		-3			-2
	⊕		⊕		⊕		⊕			(-15)
40	-6		0		-1		-12			-10
	-5		2		-5		-15			-14
	2			-9	0		4		4	
		-4		-1	8		7		0	
		-13		-8	2				-16	-20
44	5		6		0		-1		2	
		-5		6			-1		0	
		-6		-4	-9		5			-5
		-5		-10	-4		-1		12	
		-11		-2	(-17)		2		9	
48	0		8		0		-17			-5
		-5		2	3		0			-3
		-4		-3	6		2		5	
		-8		9	15		-6			-5
		-17		16	24		-21			-8

TIME	+ A -	+ B -	+ C -	+ D -	+ E -
2352	0	13	-5	10	-16
	2	0	1	-10	-2
	4	5	0	-16	5
	6	-4	-4	-4	2
	12	12	-8	-20	-11
56	-5	4	-7	-16	-7
	4	0	2	0	-14
	7	-2	-7	4	-3
	-1	0	-5	-5	-2
	5	2	-17	-17	-26
0000	-5	-5	-4	-3	-8
	-9	2	0	-8	-7
	5	6	-3	8	0
	-1	1	-1	-9	11
	-10	4	-8	-12	-4
04	0	-1	-13	-5	-8
	-1	-5	-1	-4	3
	-19	-7	-4	-2	2
	-3	-4	-6	-4	-4
	-23	-17	-24	-15	-7
08	11	3	2	4	-6
	-5	-8	-9	-3	-3
	5	-2	7	-2	3
	1	-2	-3	2	-6
	12	-9	-3	1	-12
12	-7	1	-4	-5	-11
	1	-6	2	-11	6
	-2	1	6	0	1
	3	-10	-3	-7	-6
	-5	-14	1	-23	-10
16	-7	5	-10	-5	2
	-7	-10	-3	-9	-1
	-9	-5	10	-4	-5
	-9	-8	-3	-10	-1
	-32	-18	-6	-28	-5

TIME	+ A	-	+ B	-	+ C	-	+ D	-	+ E	-
20		-1		2		-3		-5	6	
		-2		1		-1		-13	5	
		0		-13		2		-18	1	
		6		1		6		1		-9
		3		-13		4		-35	3	
24		1		-2		-2		0		-4
		10		14		-7		1		-4
		6		-5		3		1		-9
		-15		8		-10		-7		6
		2		15		-16		-5		-11
28		-8		-3		4		4		5
		11		-6		-10		-6		-2
		2		9		2		-4		0
		-2		-6		-8		4		-4
		3		-6		-12		-2		-1
32		4		-10		1		0		6
		-13		-4				-4		10
		-4		3		7		3		6
		-2		2		0		6		-3
		-15		-9		(11)		5		19
36		-6		-3		10		13		-10
		-1		3		-6		1		-1
		-13		-5		-2		-1		0
		4		-1		4		-1		0
		-16		-6		6		12		-11
40		-8		-2		-2		-8		7
		6		3		4		-4		-3
		-1		-4		-5		4		-9
		-4		-1		6		-10		-5
		-7		-4		3		-18		-13
44		2		-6		-15		-3		-5
		3		3		1		-5		1
		-9		-10		1		-6		1
		5		7		-4		0		-6
		-3		-20		-17		-14		-9

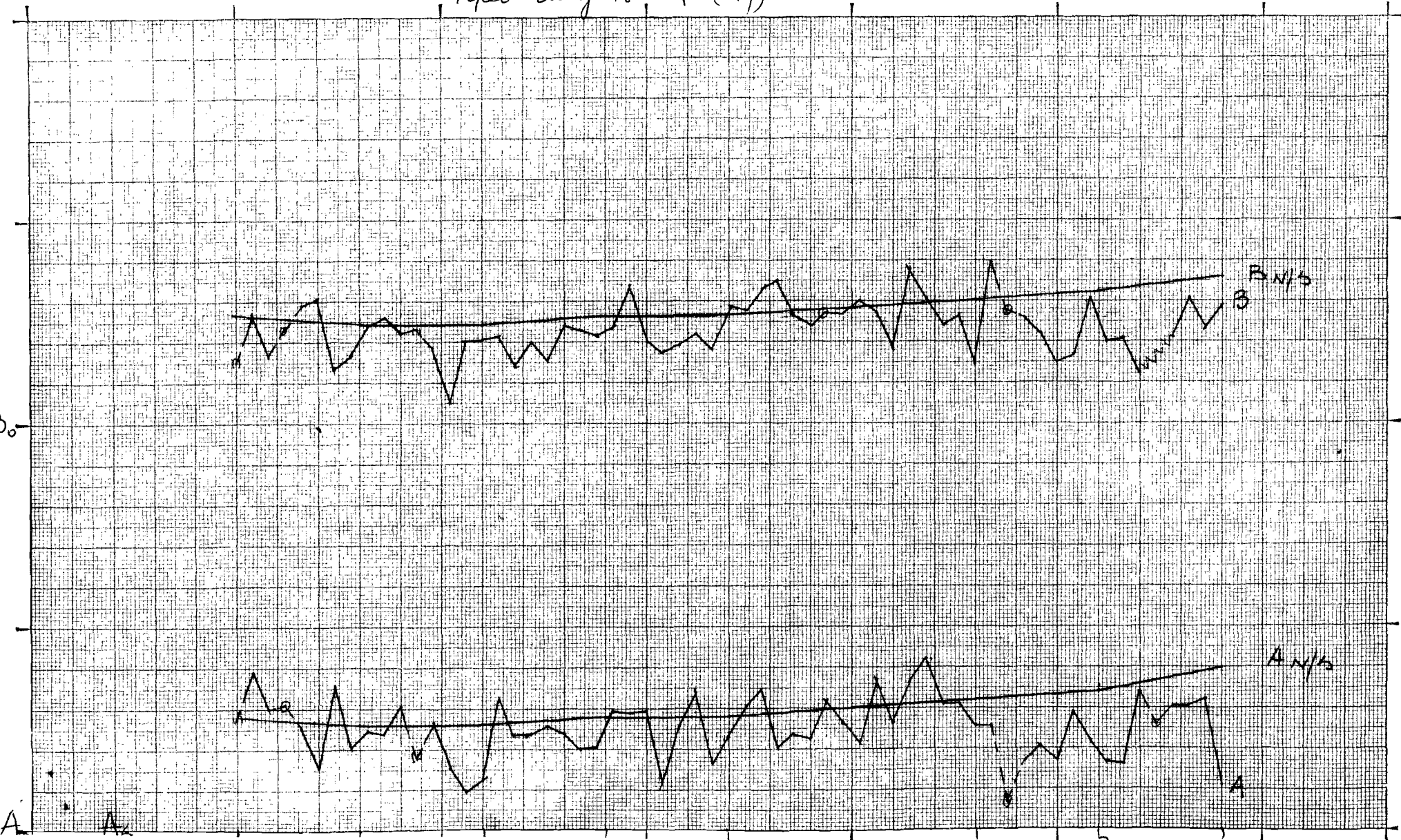
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0048		-2		-4		-6		-10		0
		-2		-2		-4		-9		-6
		-2	0		0		6			-4
		0		-4		-9		-5		-1
		-6		-10		-19		-19		-11
32		-6		-7		-12		-10		-6
		7		-7		-6		-6	2	
		-11		-4	1			-8	6	
		3		-4		-4		-6		-4
		-7		-22		-21		-30		-21
52		-3	4			-4		-6		-3
		1		2		-10	4			-5
		7	0		2		1			-8
		7		-9		-11		-12		-6
		12		-7		-23		-13		-19
01 00		2	4		0			-3		-1
		-8		-9		-2		-16		-2
		-13		-6	0			-4	6	
		-8	4			-10		-4		-6
		-27		-7		-12		-27		-3
04		-10	2		2			-2		-6
		-6		-8		-10		-12		-4
		-3		-2		-10		-5	8	
		-14	0		10		8			-2
		-33		-8		-8		-16		-7
08		-7		-5		-11		-15	2	
		6		-9		-1		-4	7	
		-6		-1		-5	6			-6
		-14		-24		-2		-11		-7
		-21		-39		-19		-24		-4
12		-1		-11		-12		-7		-11
		6		-5		-6		-7		-2
		-6		-2		-1	6			
		2	6			-4		-4		-10
		1		-12		-23		-12		(-35)

TIME	+ A -	+ B -	+ C -	+ D -	+ E -
0116	—	—	—	8	2
	-10	-2	-5	2	-7
	10	-3	-3	0	-1
	-12	3	-8	-1	7
	(-16)	(-3)	(-21)	9	1
20	-1	-7	-7	8	-6
	0	4	—	-6	-4
	9	2	-4	-2	3
	1	-4	4	0	1
	9	-5	(-9)	0	-6
24	-2	0	-2	0	-12
	-10	3	-10	-1	-4
	6	1	-10	6	-5
	2	-1	-1	5	7
	-4	3	3	10	-14
28	-8	-4	5	-1	-2
	-2	-7	-4	2	4
	1	6	7	3	3
	6	5	-7	-1	-7
	-3	0	1	3	-3
32	1	-14	0	-11	-6
	-7	-5	2	-10	-2
	3	2	0	-4	2
	-8	1	1	12	3
	-11	-16	3	-13	-7
36	-7	-1	-1	-7	4
	4	-10	-5	-10	-6
	9	-6	4	-3	-5
	11	-6	-6	3	-5
	17	-23	-8	-17	-12
40	0	5	-4	-10	-2
	-14	-2	-8	-1	-4
	-4	6	-9	-5	-1
	-4	2	4	-15	2
	-22	11	-17	-31	-15

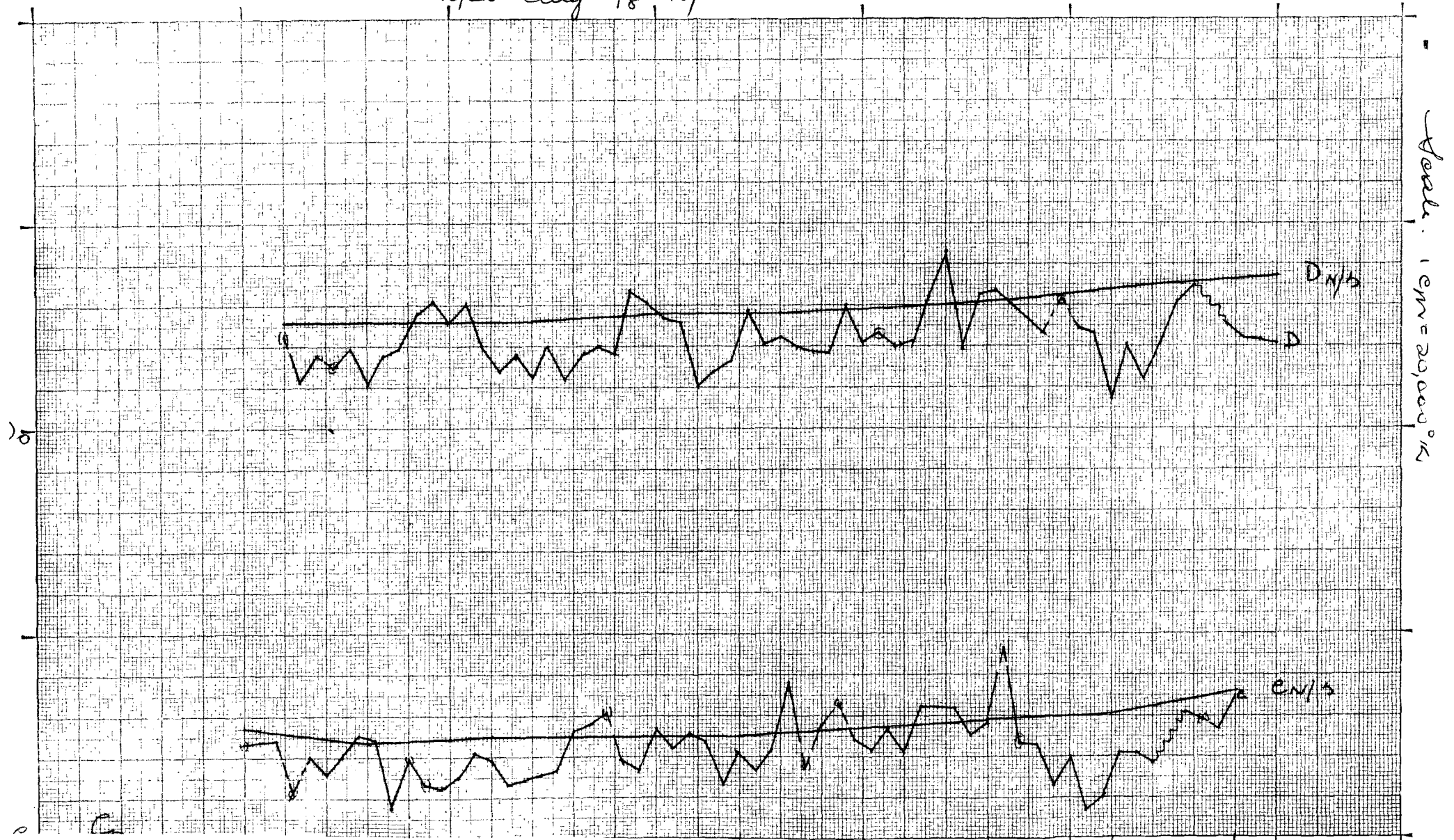
TIME	+ A -	+ B -	+ C -	+ D -	+ E -
0144	-10	6	0	-5	-3
	-4	5	-4	-3	3
	11	-1	-6	-3	-1
	0	-3	0	-2	-12
	-3	7	-10	-13	-13
48	2	-1	0	-	-
	4	-	-	-	-
	-	-	-7	-3	-16
	2	-2	-7	-8	-2
	(8)	(-6)	(-28)	(-2)	(-36)
52	-1	-2	4	-6	6
	7	2	-2	-4	7
	-1	-10	-3	-5	-3
	0	-9	-3	-1	-1
	5	-19	-4	-16	9
56	2	8	-8	-2	-13
	4	-3	-1	-9	-10
	11	-7	4	-7	-5
	5	2	-1	-11	-7
	22	0	-6	-29	-35
0200	-2	2	0	4	-6
	2	-12	1	-6	-1
	-1	-8	-7	-3	-
	-	-	-	-	-
	(-1)	(-24)	(-8)	(-7)	(-74)

1960 Aug 18-19 (+17)

Scale: 1 cm = 20,000 °/h



1960 Aug 18-19



1960 Aug 18-19 (+17)

Scale - 1 cm = 20,000 g/s



Fig