



RADIATION-GUARD LOG

FILE NO. 1	COMPANY PICKRELL DRILLING COMPANY			
	WELL CHENEY "A" NO. # 2			
	FIELD CASTLE ROCK			
	COUNTY GOVE	STATE KANSAS		
	LOCATION: 10' E. of C SW SE		OTHER SERVICES	
	SEC. 28 TWP. 14S RGE. 27W			
Permanent Datum GROUND LEVEL Elev. 2467		Elevations:		
Log Measured from KELLY BUSH. 5' Ft. Above Permanent Datum		KB	2472	
Drilling Measured from ROTARY KELLY BUSHING		DF	2469	
		GL	2467	
Date	GAMMA	NEUTRON	GUARD	CALIPER
Run No.	ONE	ONE	ONE	ONE
Depth—Driller	4303			
Depth—Logger	4300			
Bottom Logged Interval	4300	4300	4292	4286
Top Logged Interval	SURF	SURF	3200	3200
Casing—Driller	8 5/8 225'	"	"	"
Casing—Logger				
Bit Size	7 7/8"			
Type Fluid in Hole	SALT BASE GEL			
Density and Viscosity	10 65			
pH and Fluid Loss	6.8 8.8c	cc	cc	cc
Source of Sample	FLO LINE			
Rm Meas. Temp.	" °F	" °F	" °F	" °F
Rmf " Meas. Temp.	" °F	" °F	" °F	" °F
Rmc " Meas. Temp.	" °F	" °F	" °F	" °F
Source of Rmf and Rmc				
Rm " BHT	" °F	" °F	" °F	" °F
Time Since Circ.				
Max. Rec. Temp. Deg. F.	135 °F	" °F	" °F	" °F
Equip. No. and Location	H-2 G.B.			
Recorded By	HAWTHORNE			
Witnessed By	MR. BURTON			

REMARKS: **-6' LUMP CORRECTION @ 4000' R.W. " 100 F**
Tarkio
NOT COMPENSATED FOR LOGGING UP TOPEKA
+1 1/2' PER 1000'
LKC
Miss
Arb.
Others

Changes in Mud Type or Additional Samples		Scale Changes			Equipment Data			
		Type Log	Depth	Scale Up Hole	Scale Down Hole	Pad Type	Tool Position	Other
Date	Sample No.							
Depth-Driller								
Type Fluid in Hole								
Dens.	Visc.	cc						
pH	Fluid Loss							
Source of Sample								
Rm " Meas. Temp.		" °F						
Rmf " Meas. Temp.		" °F						
Rmc " Meas. Temp.		" °F						
Source Rmf	Rmc							
Rm " BHT		" °F						
Rmf " BHT		" °F						
Rmc " BHT		" °F						

EQUIPMENT DATA										
Gamma Ray					Neutron					
Run No.	Run No.	Tool Model No.	Log Type	Diameter	Detector Model No.	Type	Length	Source Model No.	Serial No.	Spacing
ONE	ONE	GRNGC308	NEU-NEU	3.5 IN.	3.5 IN.	AM BE	17 IN.	3 Currie	17 IN.	3 Currie
Tool Model No.	Tool Model No.	Log Type	Diameter	Detector Model No.	Type	Length	Source Model No.	Serial No.	Spacing	Type
GRNGC308	GRNGC308	NEU-NEU	3.5 IN.	3.5 IN.	AM BE	17 IN.	3 Currie	17 IN.	3 Currie	3 Currie
Diameter	Log Type	Diameter	Detector Model No.	Type	Length	Source Model No.	Serial No.	Spacing	Type	Strength
3.5 IN.	NEU-NEU	3.5 IN.	3.5 IN.	AM BE	17 IN.	3 Currie	17 IN.	3 Currie	3 Currie	3 Currie
Detector Model No.	Detector Model No.	Type	Length	Source Model No.	Serial No.	Spacing	Type	Strength		
SCINTILLATION	SCINTILLATION	AM BE	17 IN.	3 Currie	17 IN.	3 Currie	3 Currie	3 Currie		
Length	Distance to N. Source									
11-2										
Hoist Truck No.	Instrument Truck No.									
11-2										
Tool Serial No.										

LOGGING DATA										
General			Gamma Ray			Neutron				
Run No.	Speed	T. C.	Sens. Settings	API G.R. Units per Log Div.	T. C. Sec.	Sens. Settings	Zero Div. L or R	API N. Uni per Inch		
1	20	2	100	1-1	2	5	2-1	5		
4300	3200	2	100	1-1	2	5	2-1	5		
2150	1850	2	100	1-1	2	5	2-1	5		

Run No.	Depths		Speed Ft/Min.	T. C. Sec.	Sens. Settings	Zero Div. L or R	API G.R. Units per Log Div.	T. C. Sec.	Sens. Settings	Zero Div. L or R	API N. Units per Inch
	From	To									
1	4300	3200	20	2	100	1-L		2	5	2-L	
1	2450	1850	20	2	100	1-L		2	5	2-L	
1	3200	2450	60	3	100	1-L		2	5	2-L	
1	1850	SURF.	60	3	100	1-L		2	5	2-L	

GAMMA RAY

GAMMA RAY ZERO ——— DIV. TO LEFT OF THIS LINE

API UNITS

DEPTHS

NEUTRON

NEUTRON ZERO ——— DIV. TO LEFT OF THIS LINE

API UNITS

CALIPER

6 7 8 9 10 11 12 13 14 15 16

Hole Diameter in Inches

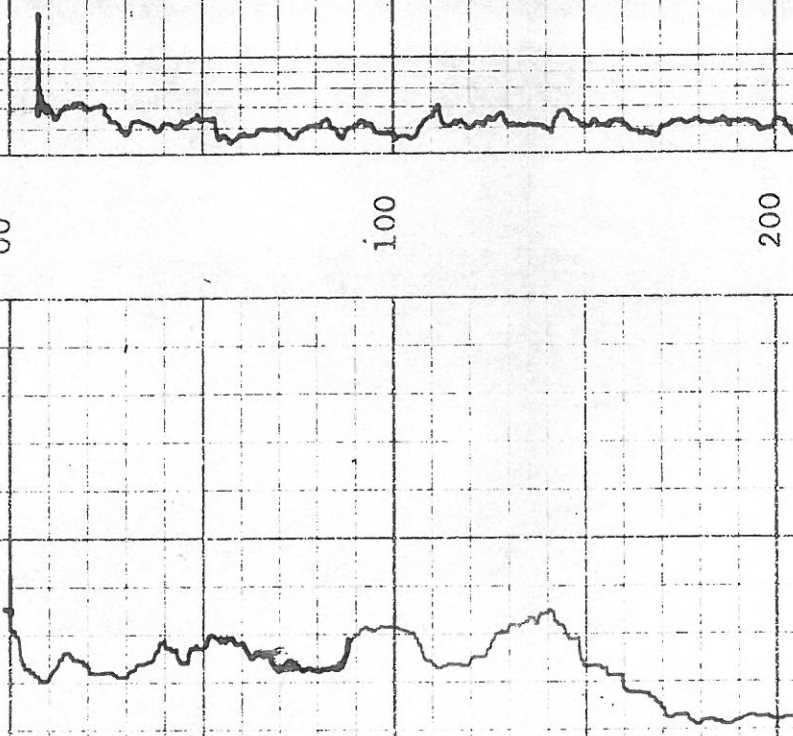
GUARD LOG RESISTIVITY ohms. m²/m

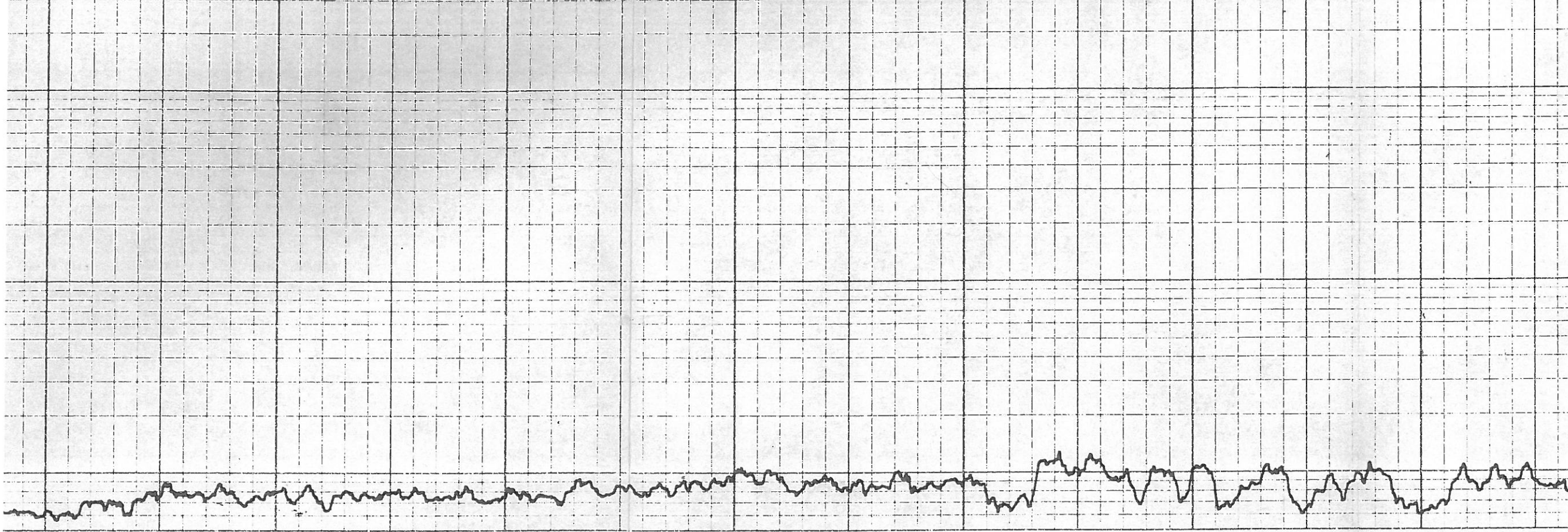
.5 — 1 — 10 — 100

00

100

200





200

300

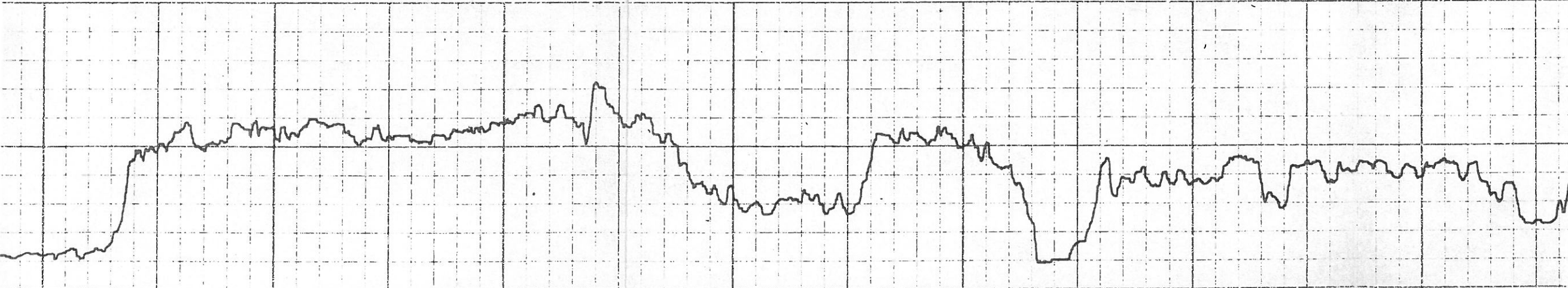
400

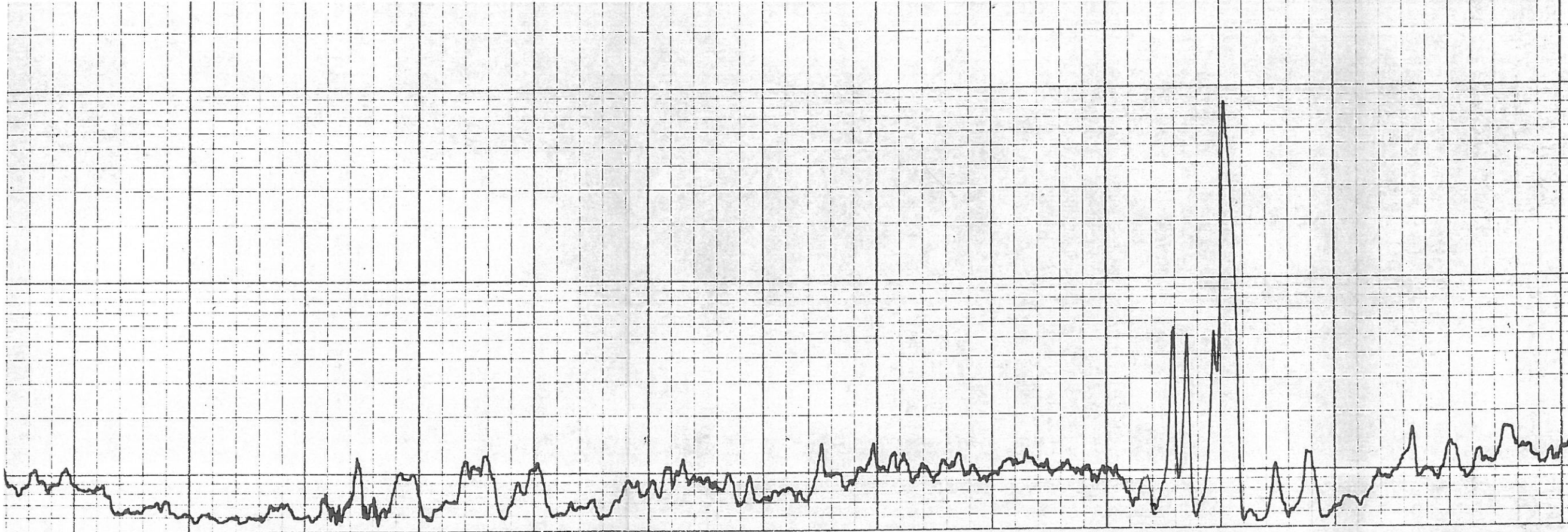
500

600

700

800





900

1000

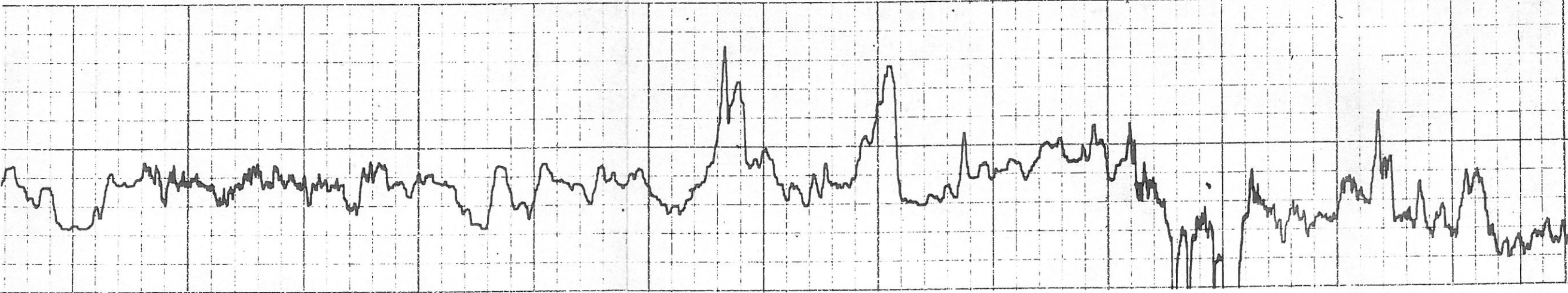
1100

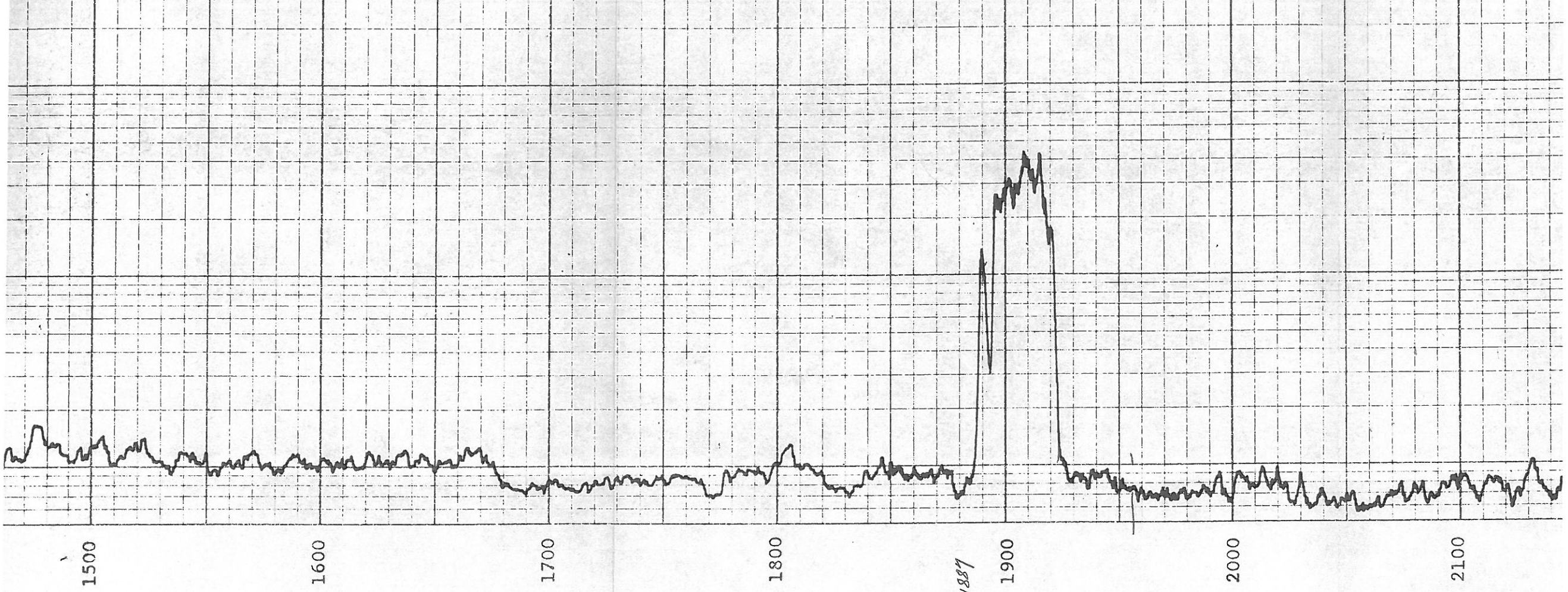
1200

1300

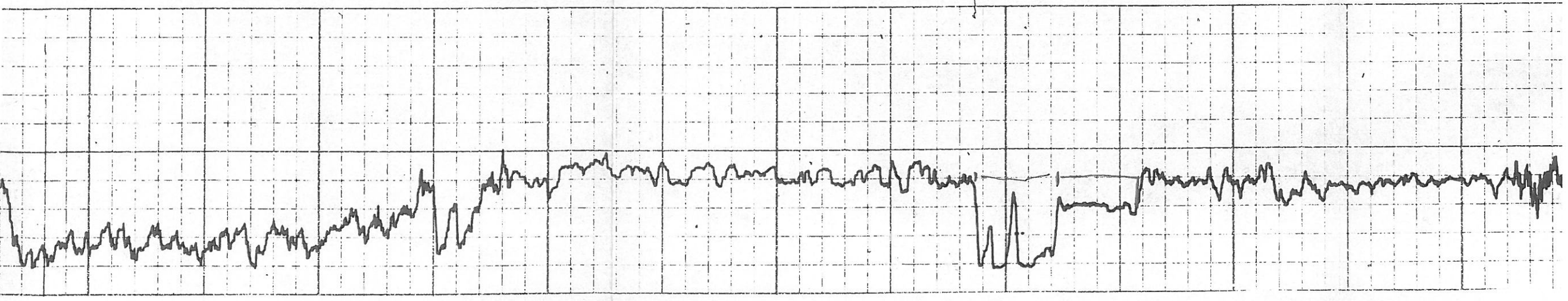
1400

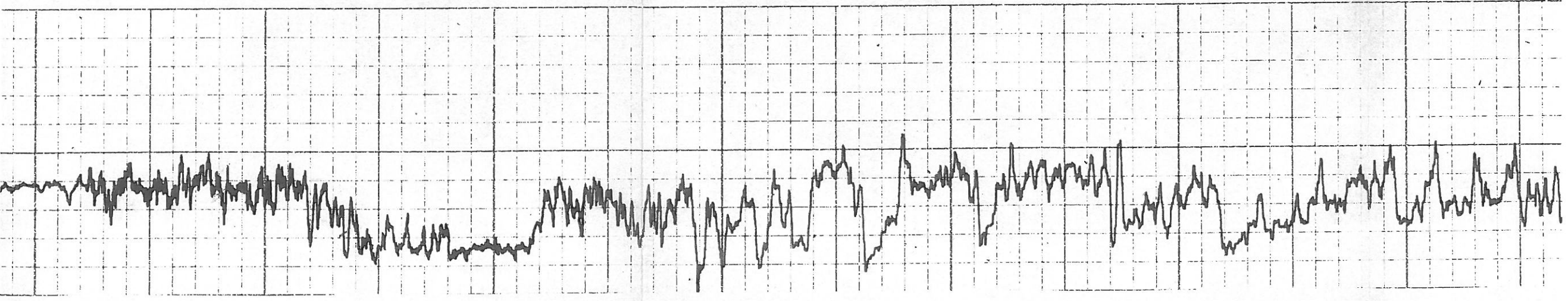
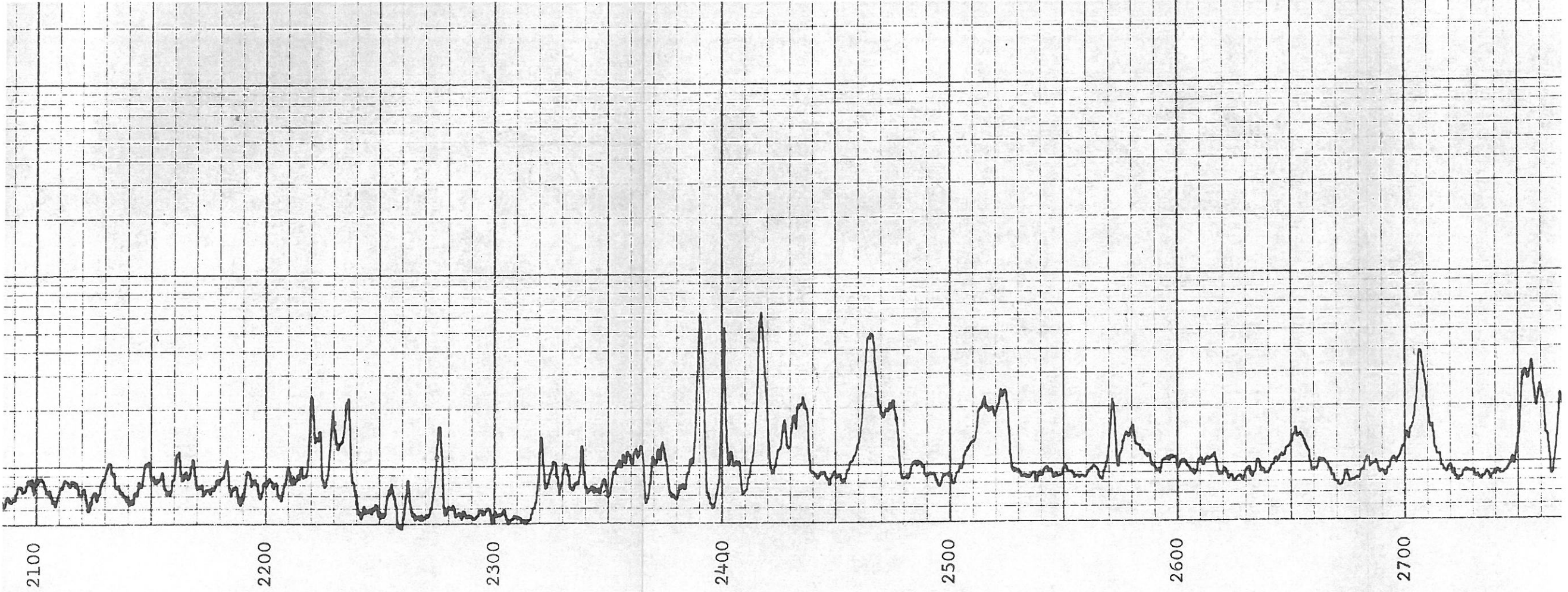
1500





1887





2100

2200

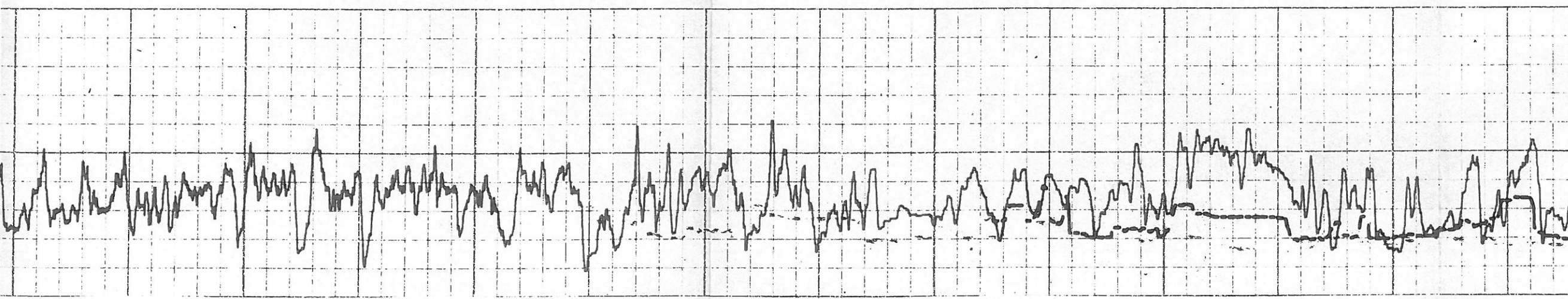
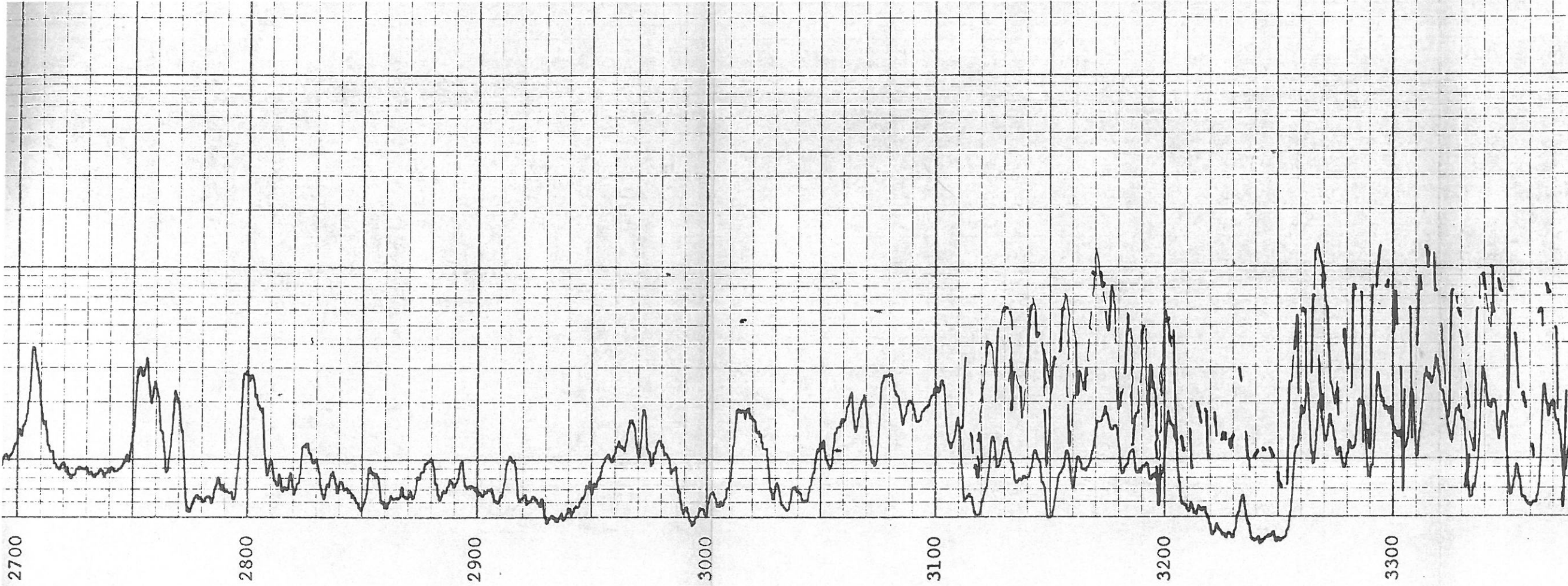
2300

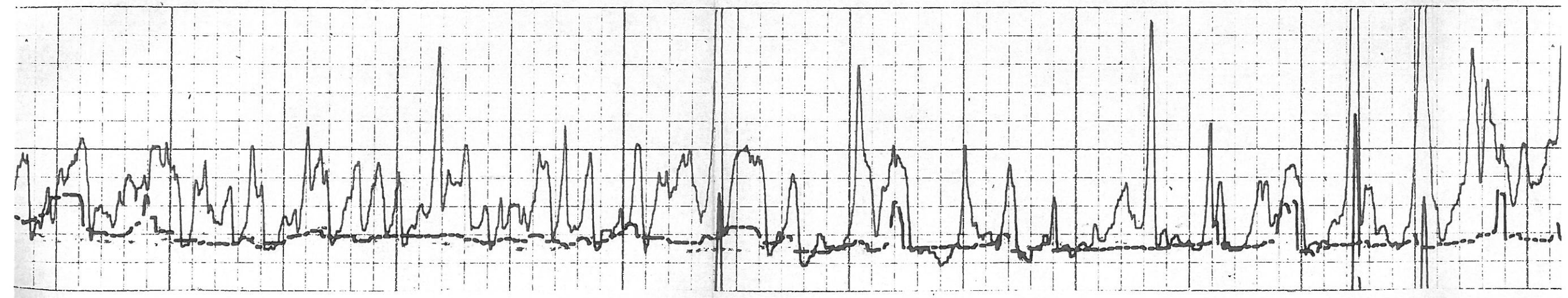
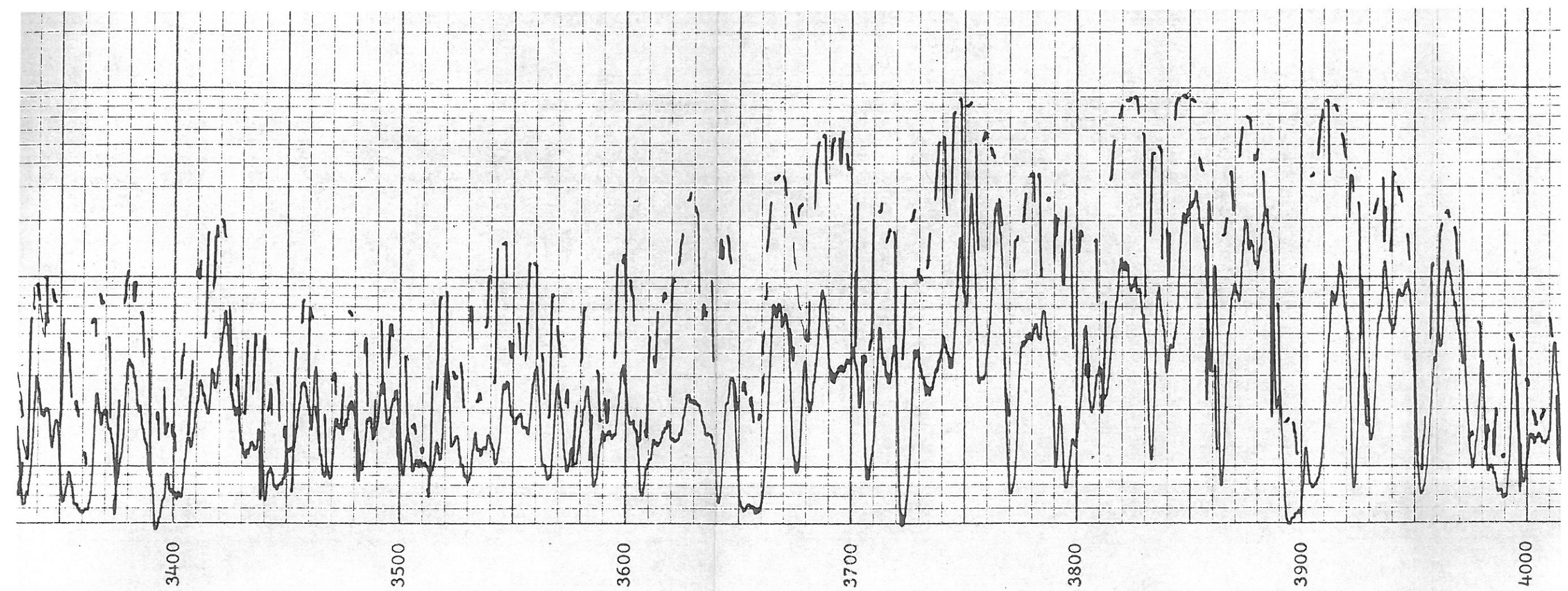
2400

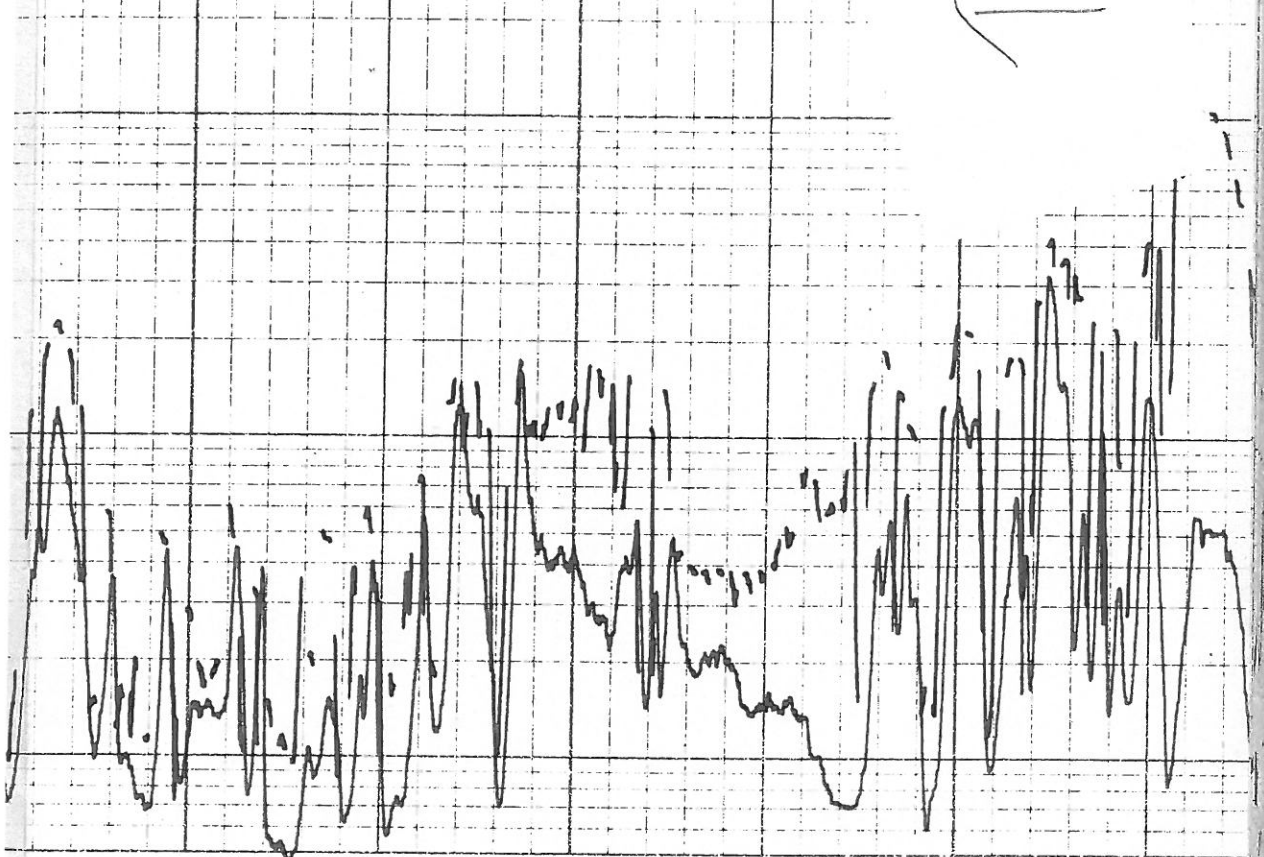
2500

2600

2700







4000

4100

4200

