



*Spectrology*

FILE NO. R-411		COMPANY E.G. & G. IDAHO, INC.	
G102603		WELL R.R.G.E. #3	
FIELD RAFT RIVER GEOTHERMAL		STATE IDAHO	
COUNTY CASSIA		LOCATION: SE/NW	
SEC 25 TWP 15S RGE 26E		Other Services: CDL/CN BHC/DIFL TEMP.	
Permanent Datum GROUND LEVEL Elev. 4860		Elevations: KB 4878 DF 4876 GL 4860	
Log Measured from GROUND LEVEL 0 Ft. Above Permanent Datum			
Drilling Measured from R.K.B.			
Date 4/17/77	Run No. ONE		
Type Log K-U-TH-T0	Depth-Driller 5917		
Depth-Logger 5929	Bottom Logged Interval 5928		
Top Logged Interval 8	Type Fluid in Hole WATER		
Salinity Ppm Cl.	Density Lb./Gal.		
Level FULL	Max. Rec. Temp. Deg. F 301		
Oper. Rig Time 8 HOURS	Recorded By G. VAUGHN		
Witnessed By MR. STOKER			

Borehole Record		Casing Record	
Run No.	Bit	From	To
ONE	12 1/4	1385	4259
	8 1/2	4255	5917
		Size	Wgt.
		13 3/8	SURFACE
		9 5/8	1384
			To
			1385
			4247

FOLD HERE RE. THIS HEADING AND LOG CONFORMS TO API RECOMMENDED STANDARD PRACTICE RP-31

REMARKS BOTTOM OF HOLE VERY HOT, RADIOACTIVE, HAD TO LOG ON DIFFERENT SENSITIVITIES.		Equipment Used	
MAIN LOG		Series No.	2703
BOTTOM SECTION		Run No.	ONE
K .62%/CD	1.0%/CD	S.O.	39206
U 6.1 PPM/CD	9.8 PPM/CD	Tool No.	1
TH 16 PPM/CD	25.5 PPM/CD	Elec. No.	1
TOTAL 3.750 CPM/CD	10.000 CPM/CD	Panel No.	0A-2

Equipment Data		Channel Ranges			
Run No.	ONE	Run No.	Ion	Lower Limit	Upper Limit
Tool Model No.	2703			MEV	Ch. No.
Diam.	3 5/8		Total		
Detect. Model No.	D7G2		K	1.28	144
Type	SCINT		U	1.60	173
Length	12"		Th	2.42	263
Dist. To N. Source	N.A.		Total		
General			K		
Hoist Truck No.	HL-6089		U		
Inst. Truck No.	1679		Th		
Tool Serial No.					

General		Sensitivity Settings									
Run No.	Depths	Speed Ft/Min.	Total	T.C. Sec.	Potassium	T.C. Sec.	Uranium	T.C. Sec.	Thorium	T.C. Sec.	
	From	To									
ONE	5928	5650	20	030	3	400X10X1/3	6	400X10X1/3	6	400X10X1/3	6
ONE	5790	SURF.	21	080	3	400X10X1/2	6	400X10X1/2	6	400X10X1/2	6

TOTAL COUNTS	DEPTH	COUNTS PER MINUTE
CPM		<div style="text-align: center;"> <p>Potassium</p> <p>0 61%/C.D.</p> <hr/> <p>Uranium</p> <p>0 6.1PPM/C.D.</p> <hr/> <p>Thorium</p> <p>0 16PPM/C.D.</p> </div>
0	37,500	

TOTAL 60 KC	AFTER LOG CALIBRATIONS LOGGING SENS	TH = 60 KC SENS = 425X 1/2
K = 60 KC SENS = 425X 1/2		U = 60 KC SENS = 425X 1/2

Uranium

0 6.1PPM/C.D.

Thorium

0 16PPM/C.D.

CPM

0 37,500

AFTER LOG CALIBRATIONS

LOGGING SENS

TH = 60 Kc

SENS = 425 X 1/2

U = 60 Kc

SENS = 425 X 1/2

K = 60 Kc

SENS = 425 X 1/2

TOTAL  
60 Kc  
SENS = 80

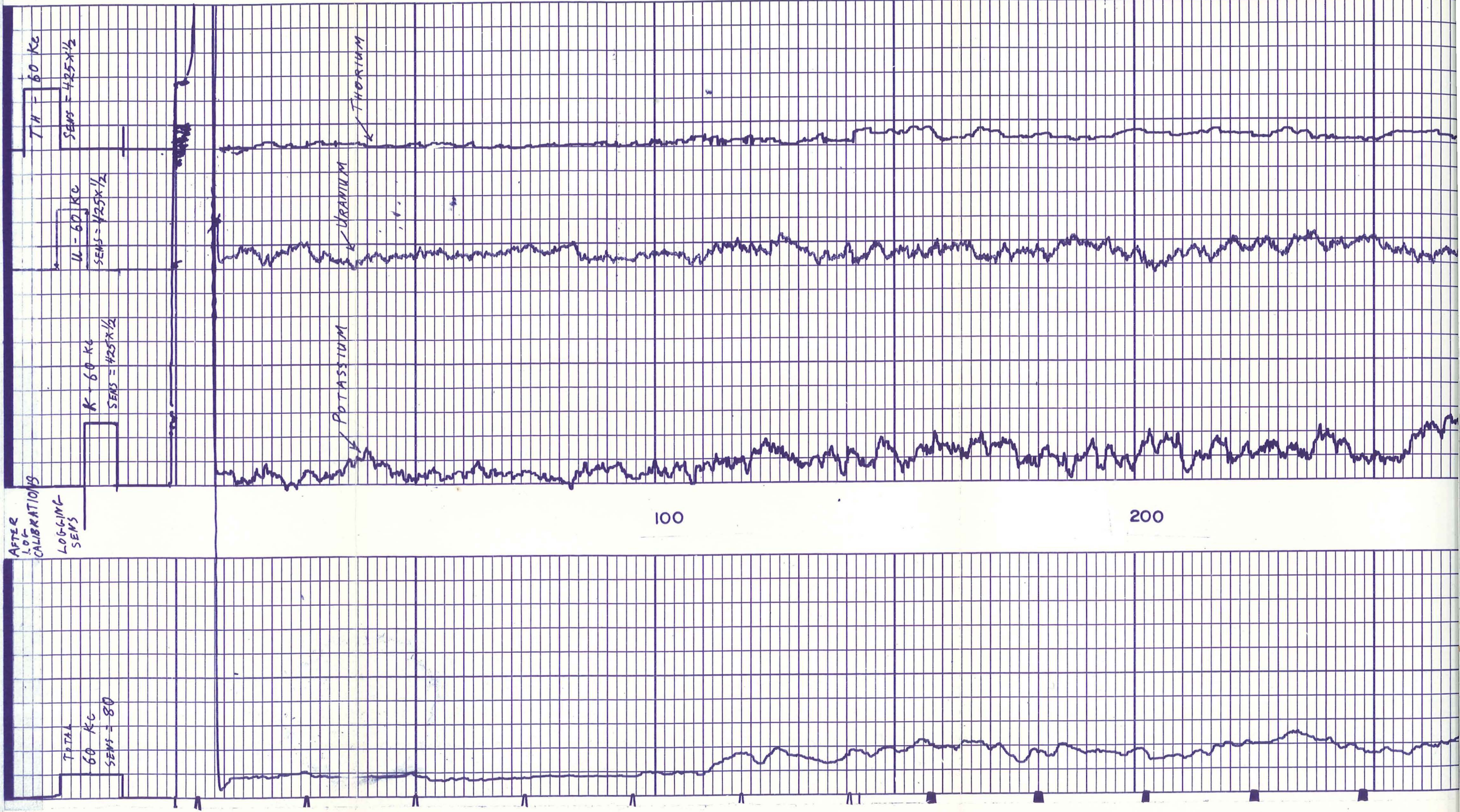
THORIUM

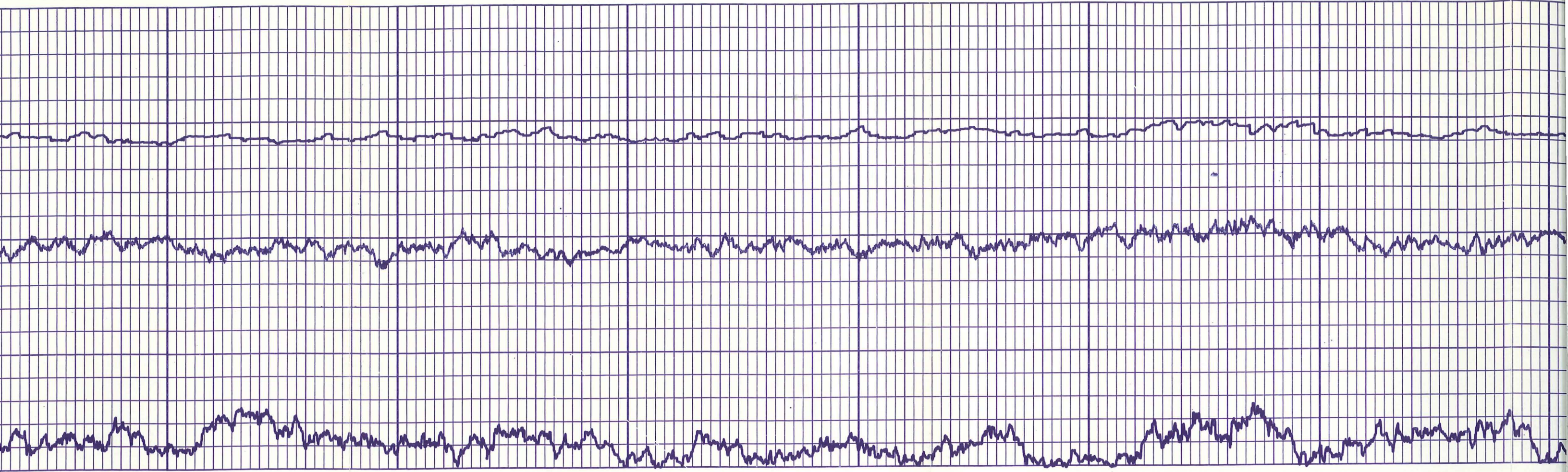
URANIUM

POTASSIUM

100

200

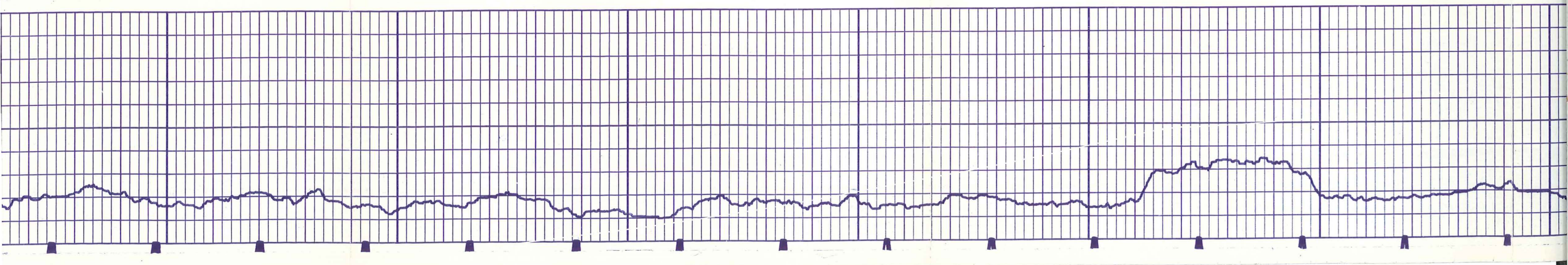


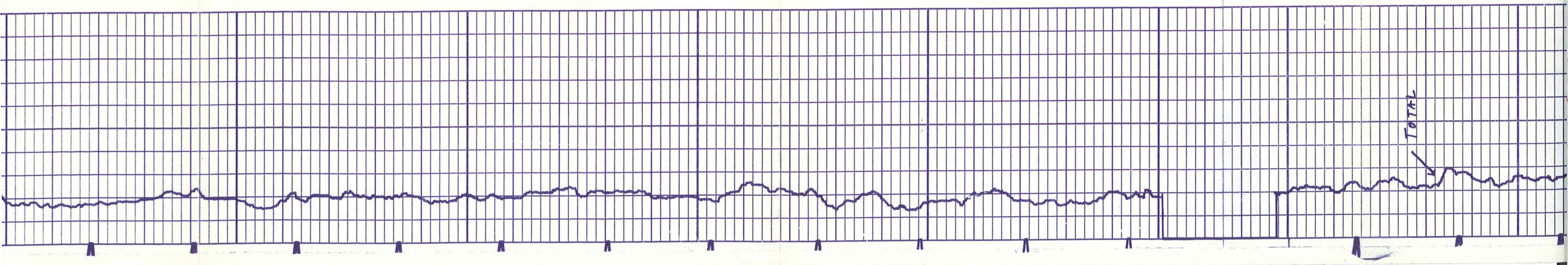
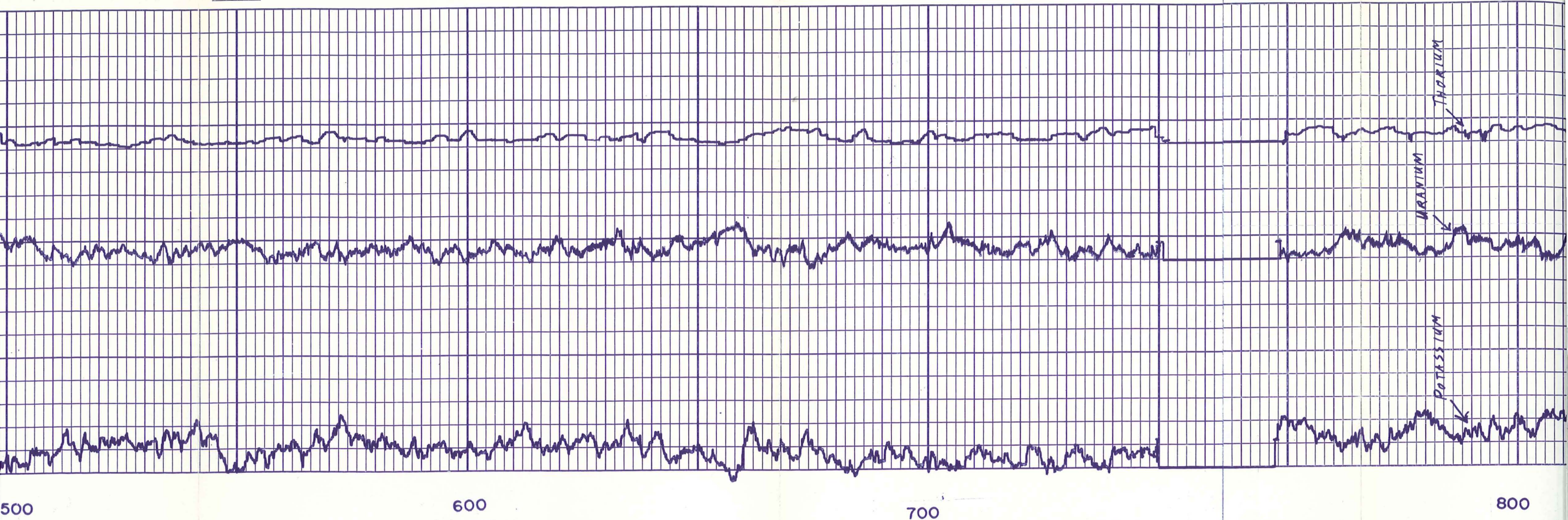


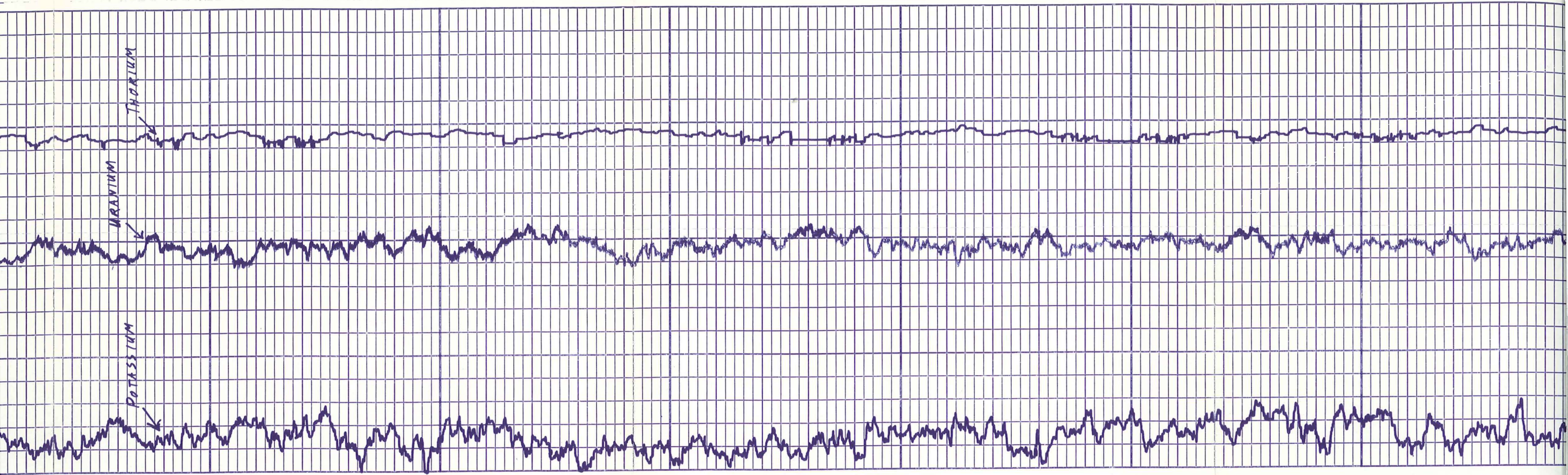
300

400

500



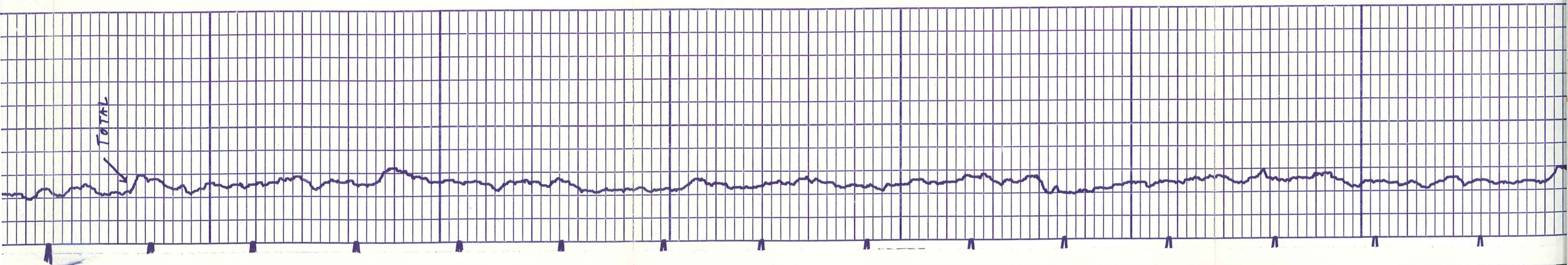




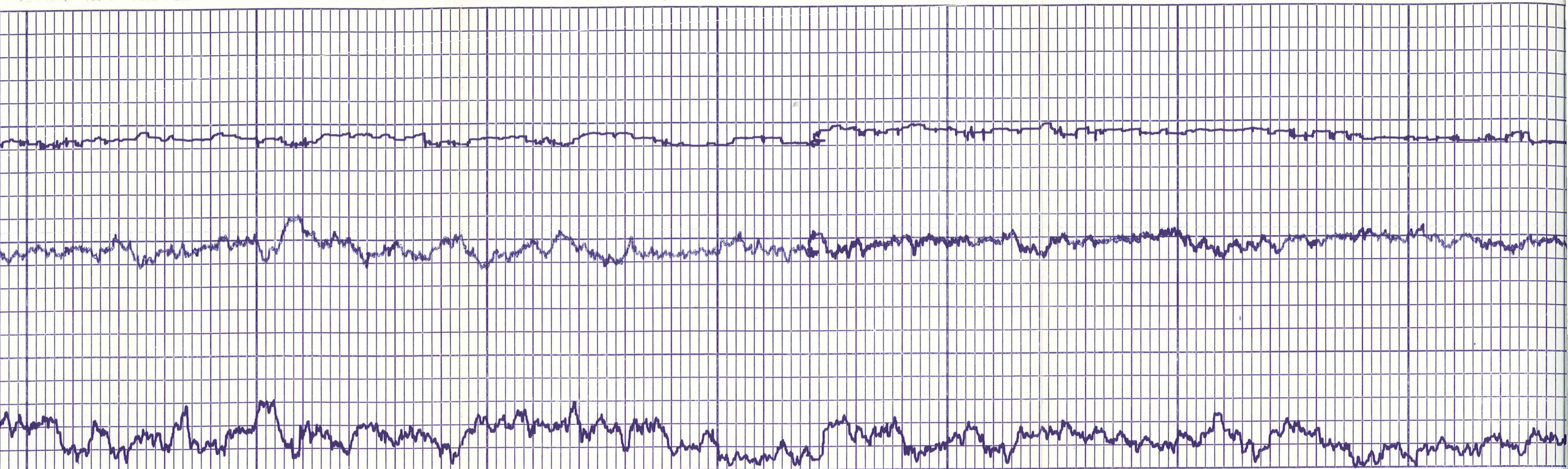
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900

1000



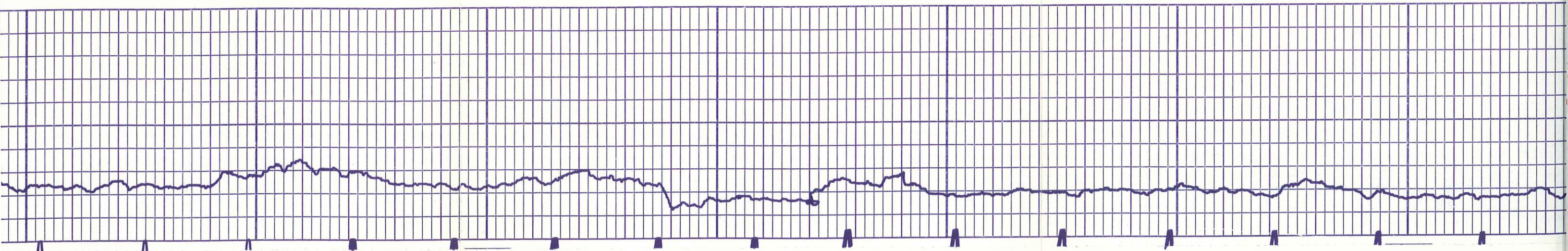
TOTAL

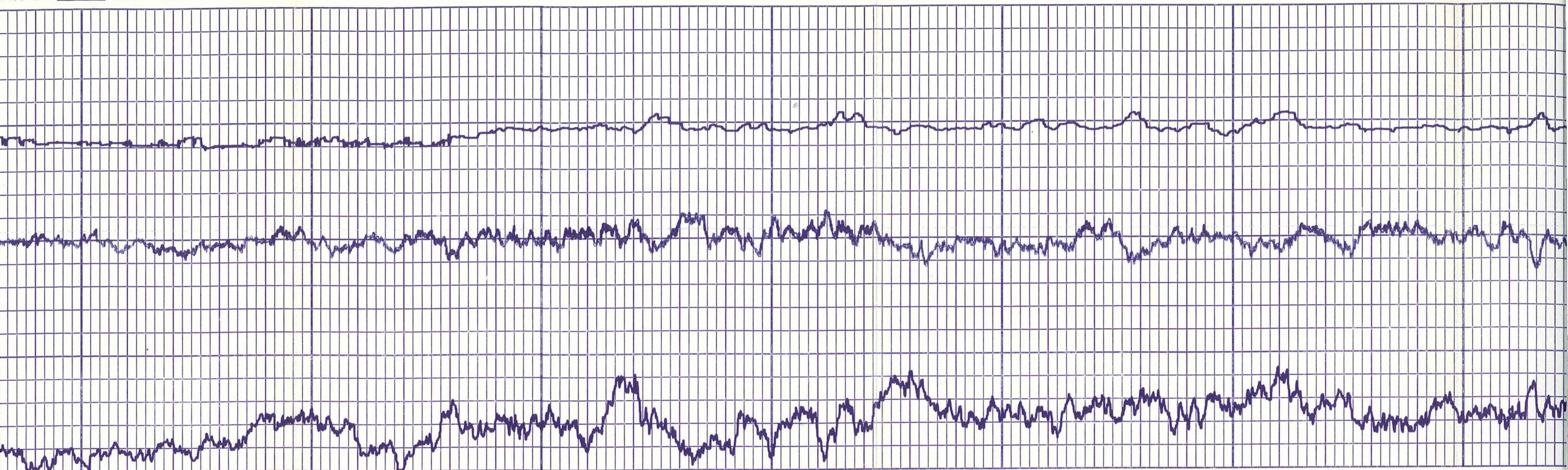


1100

1200

1300



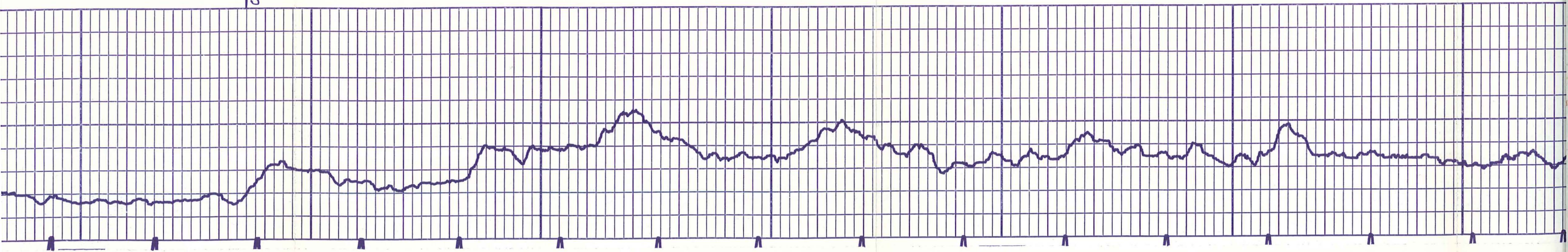


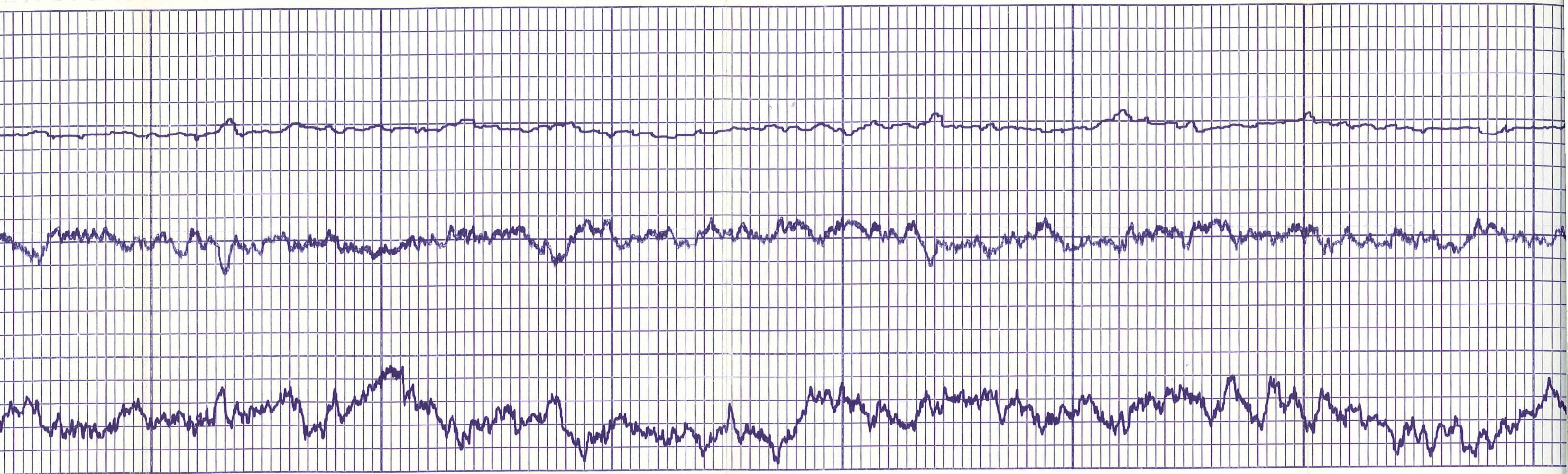
CASING

1400

1500

1600

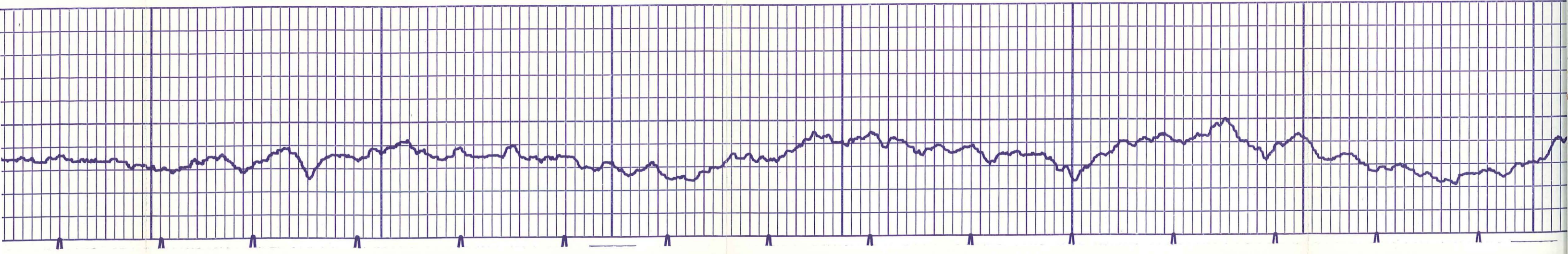




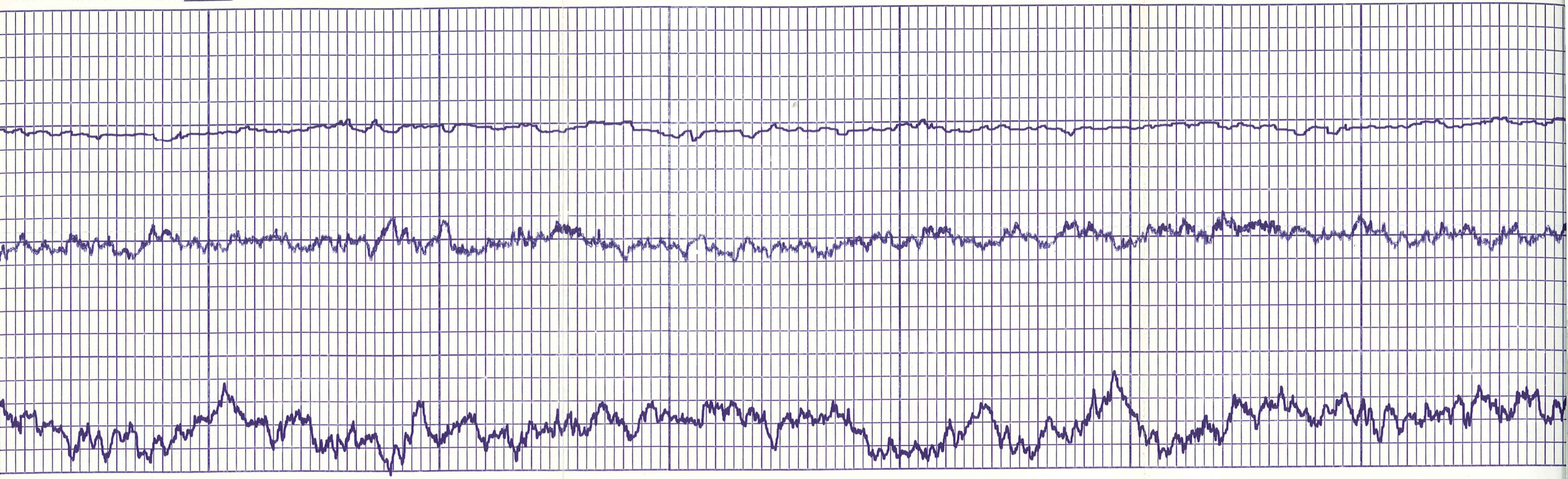
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1800

1900



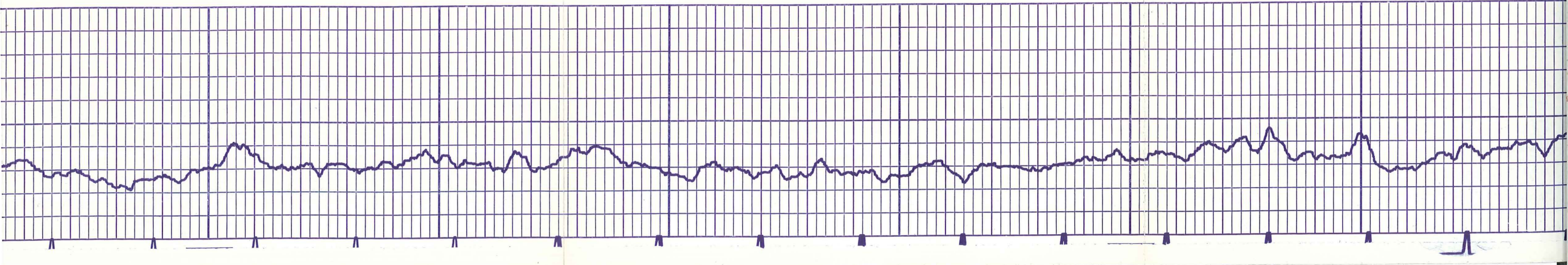


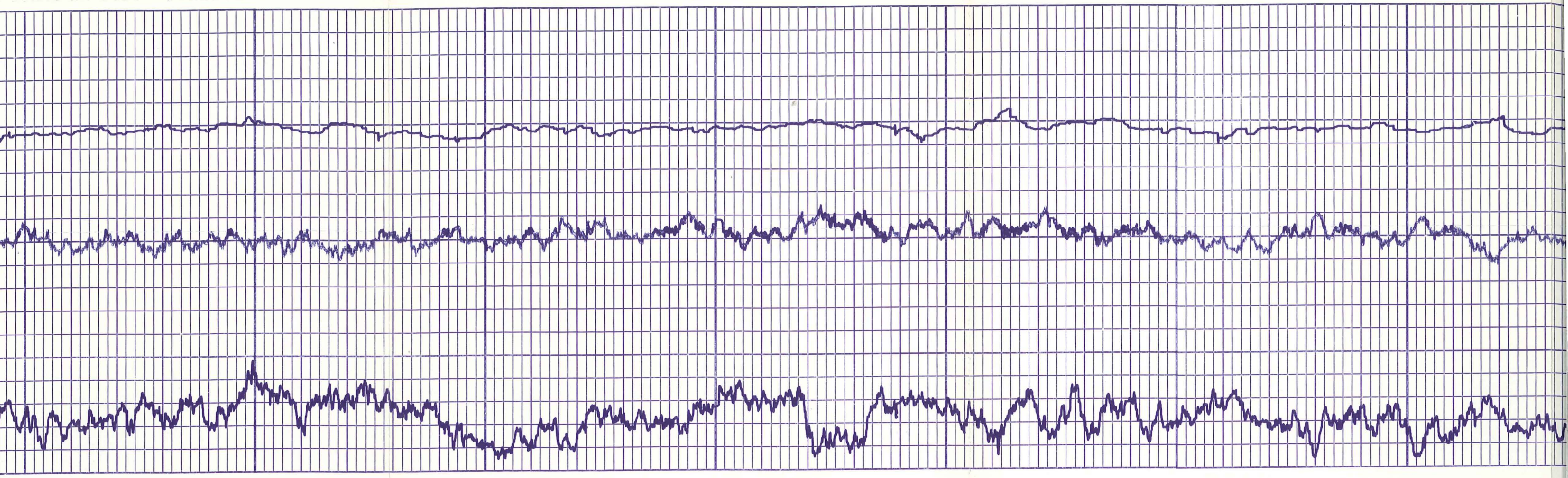


2000

2100

2200



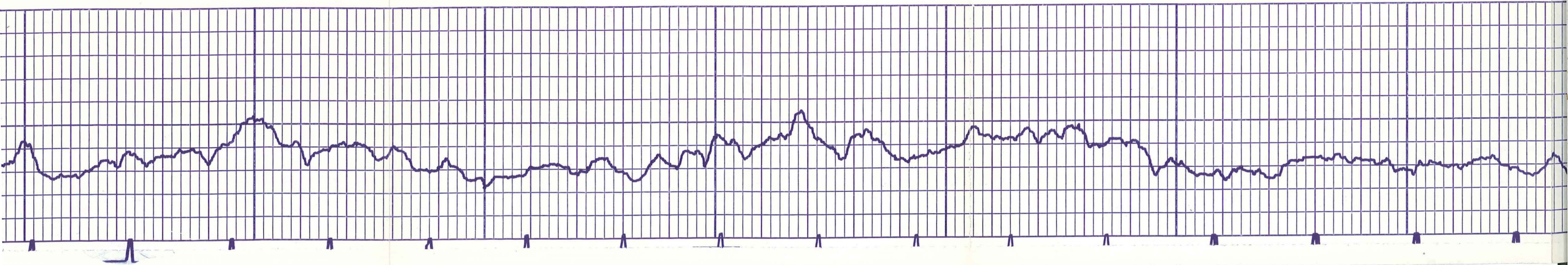


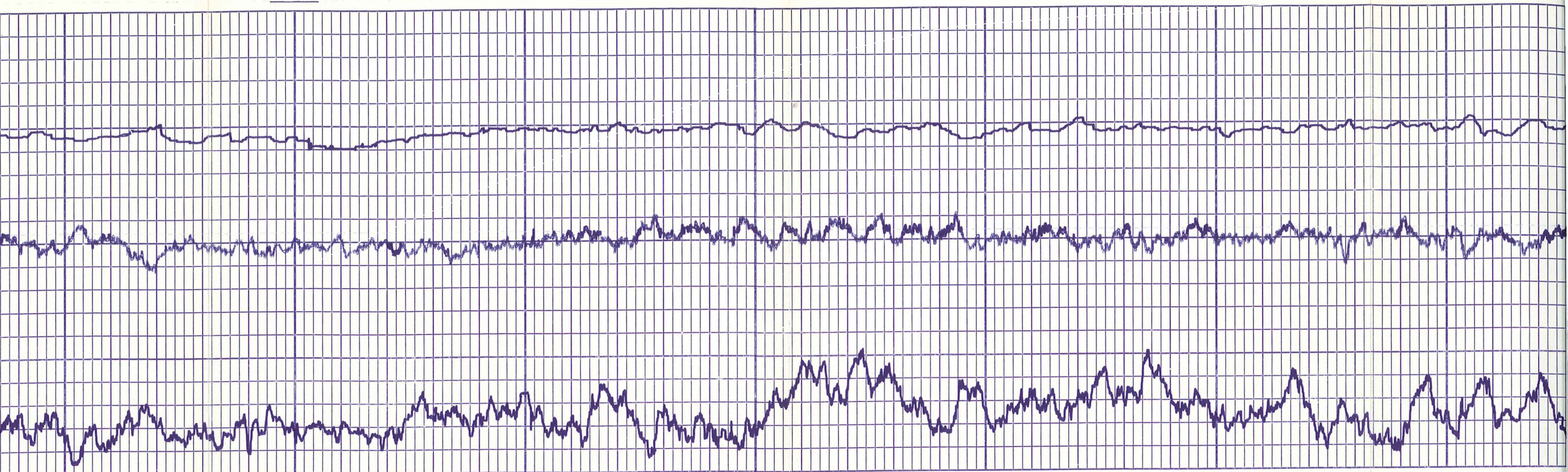
2200

2300

2400

2500



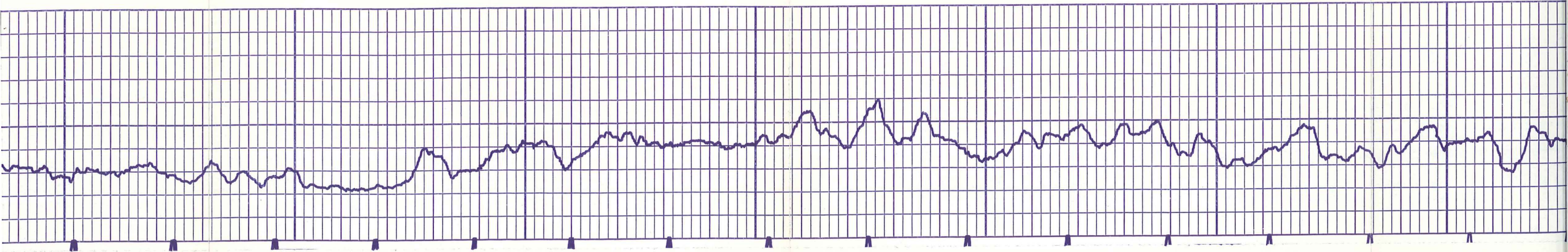


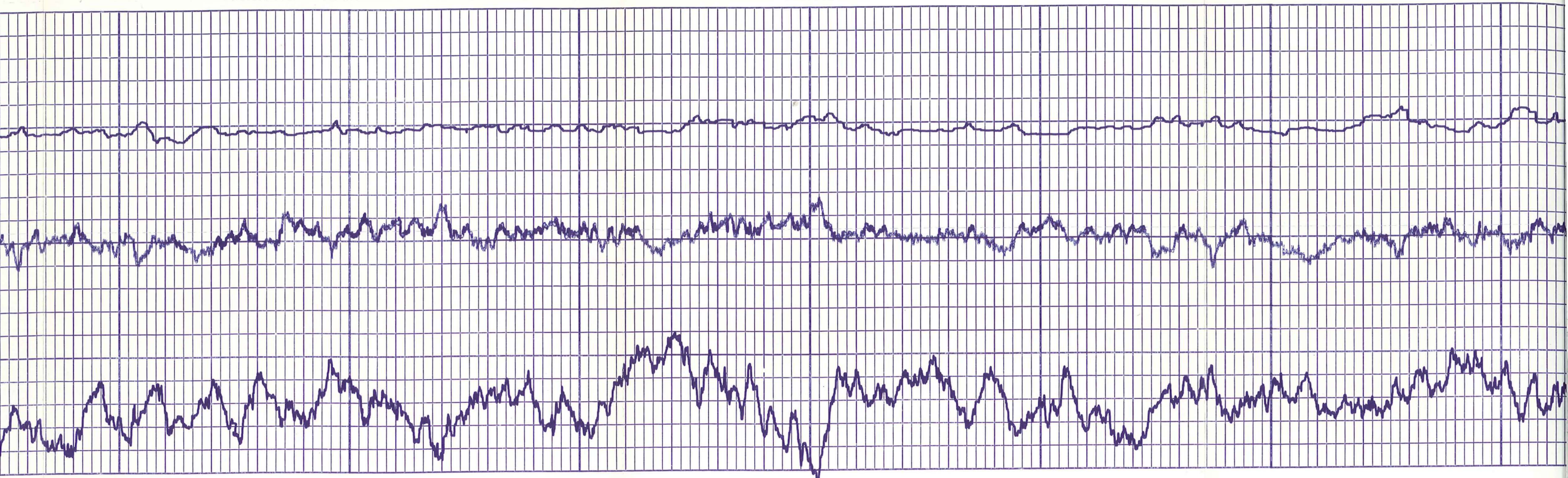
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2600

2700

2800



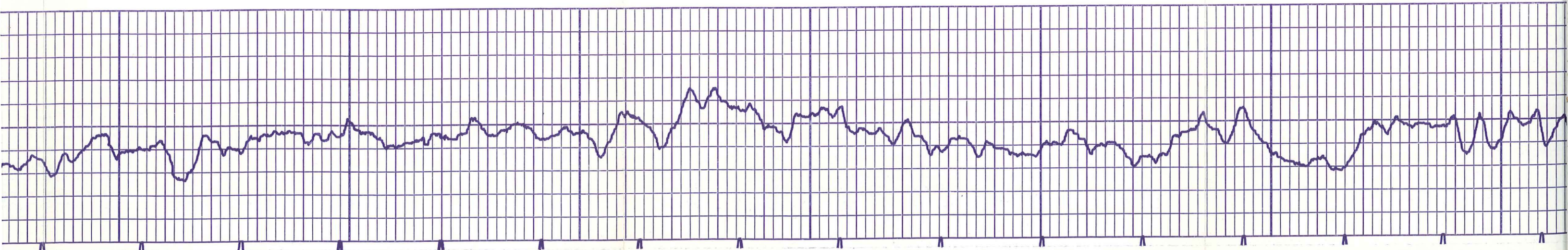


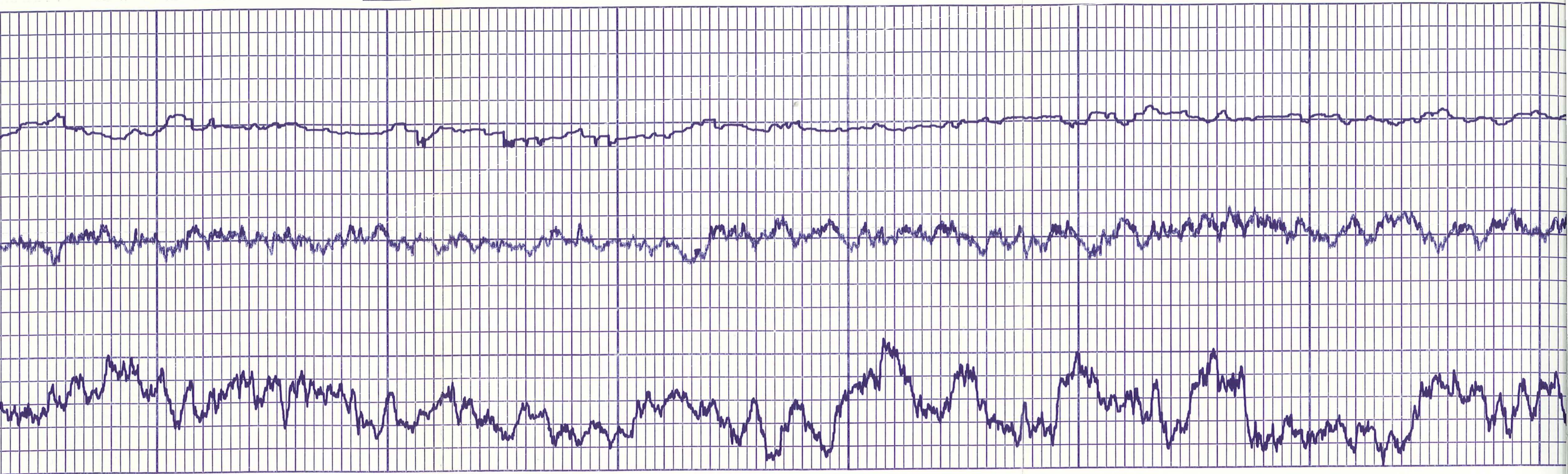
2800

2900

3000

3100



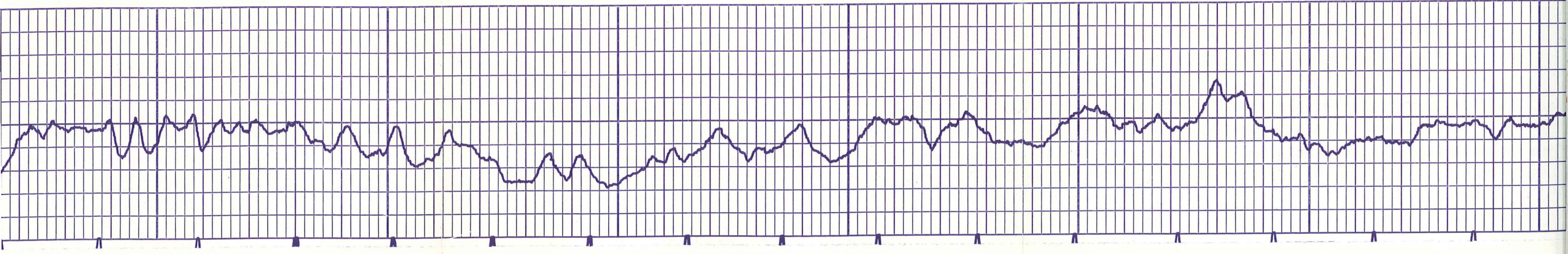


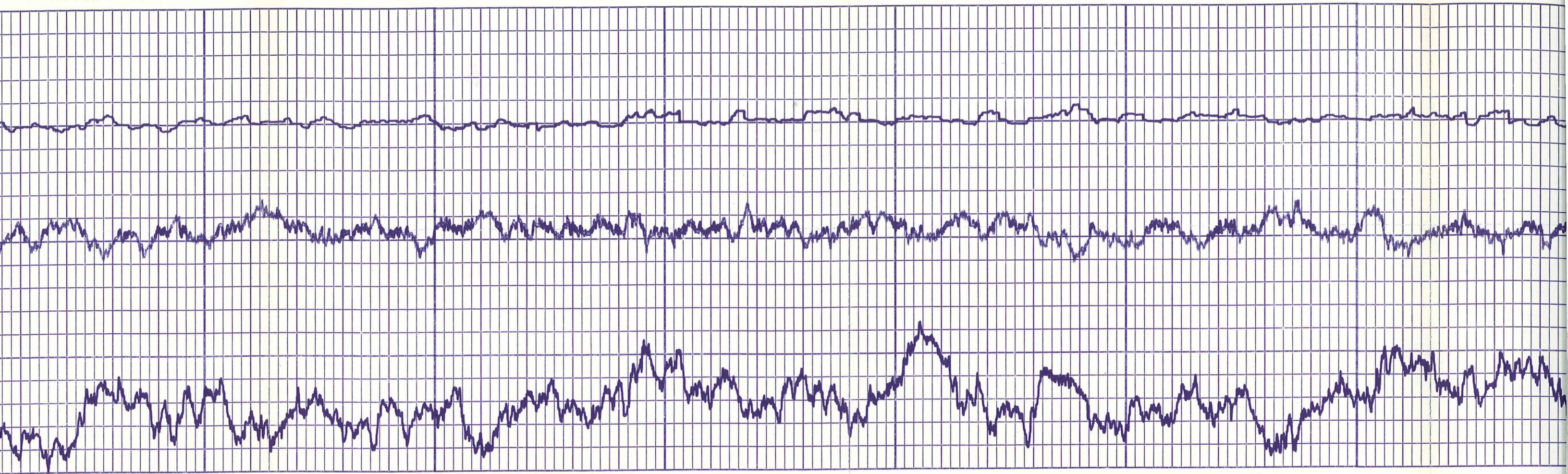
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3200

3300

3400

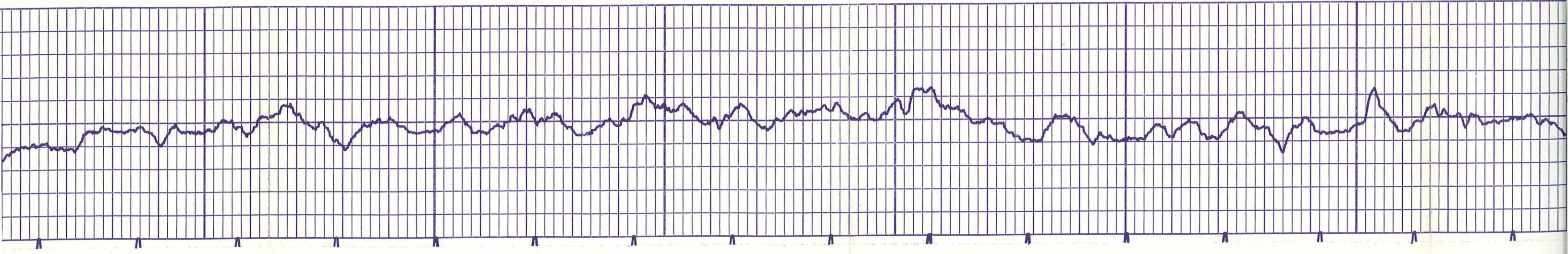


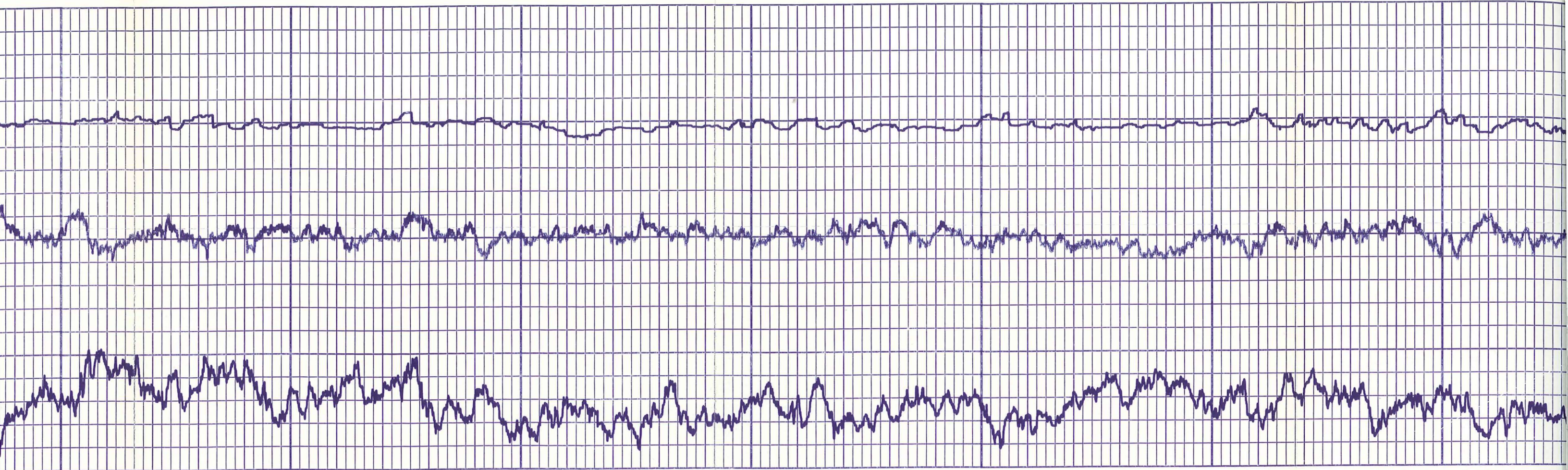


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3500

3600

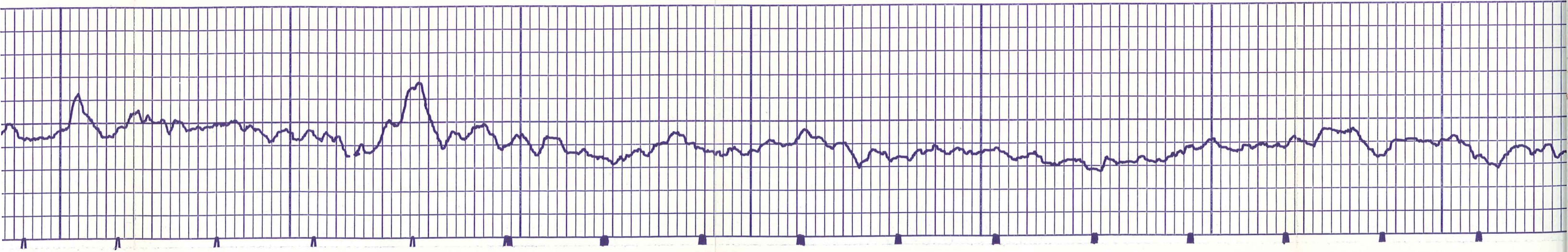


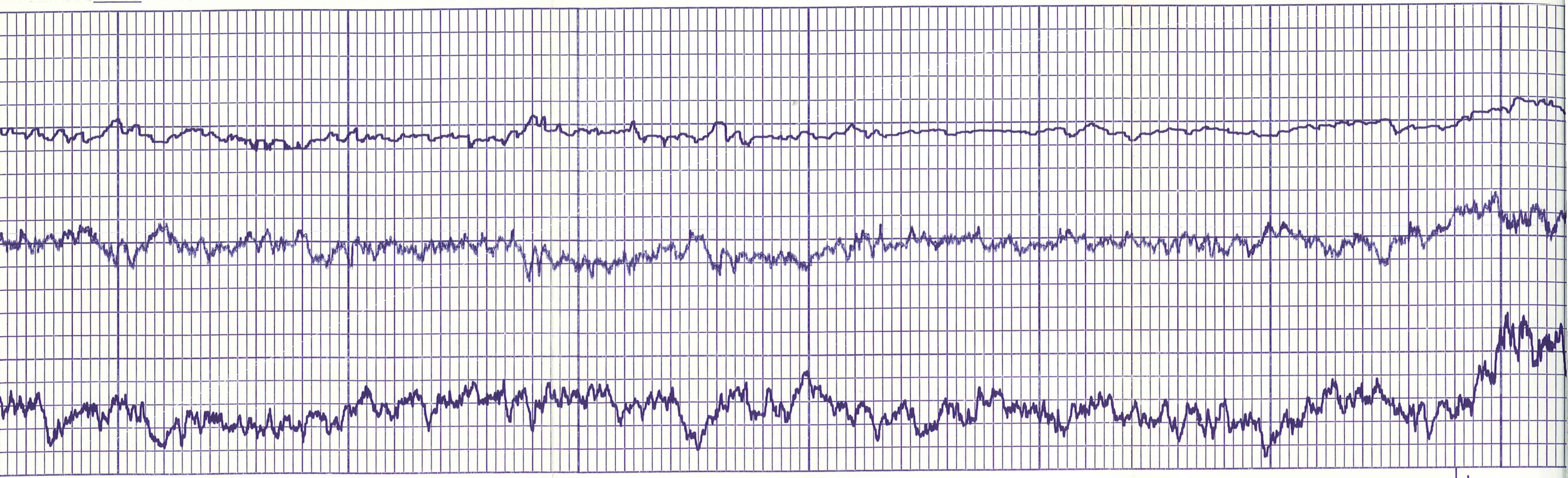


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3800

3900



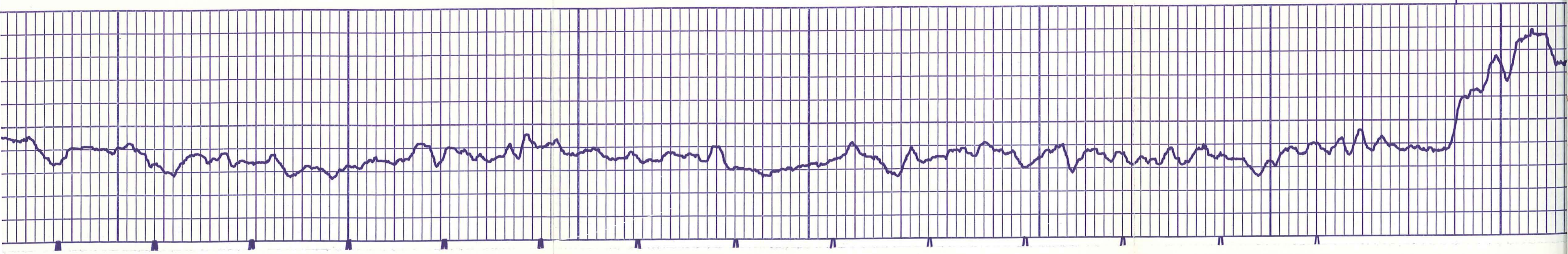


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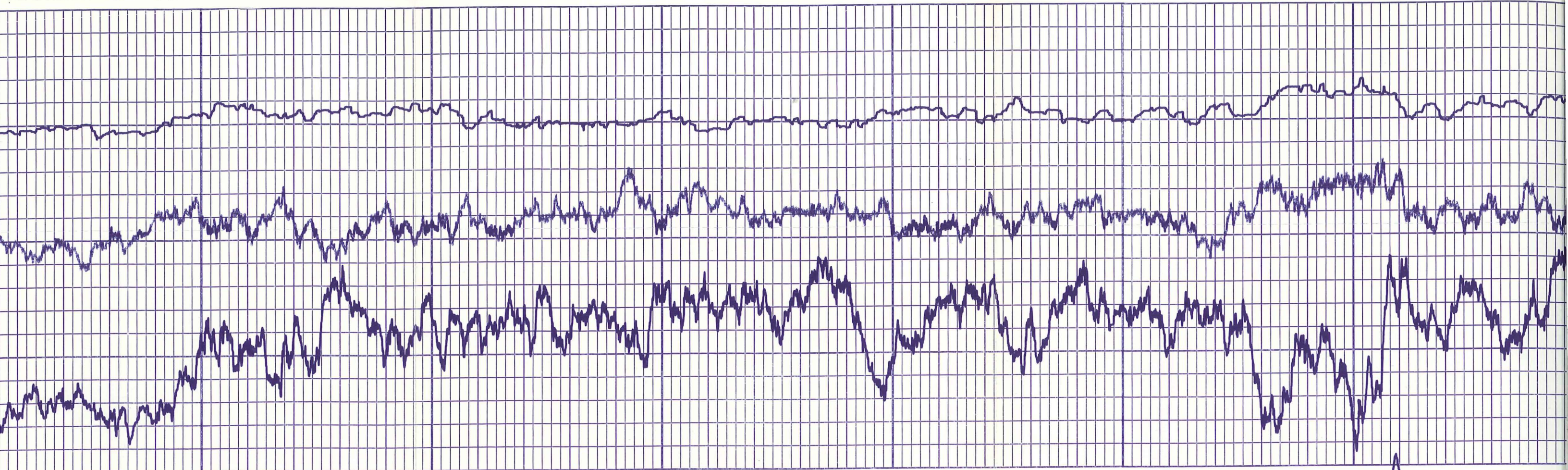
4100

4200

CASING





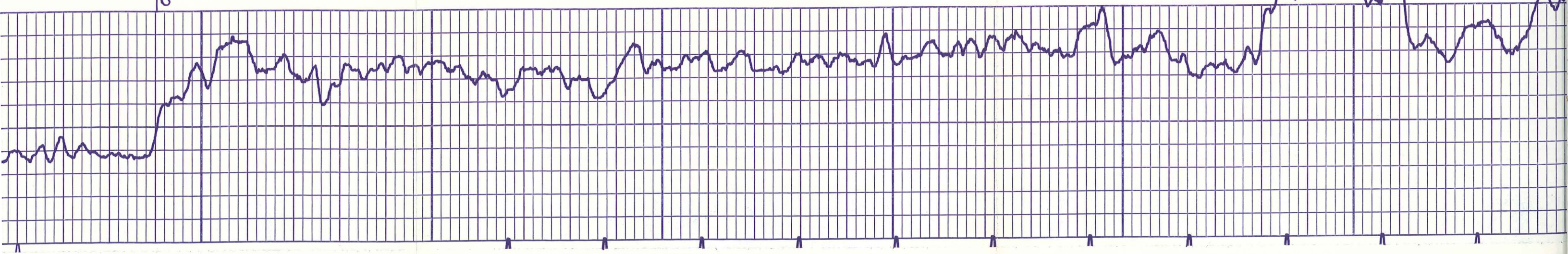


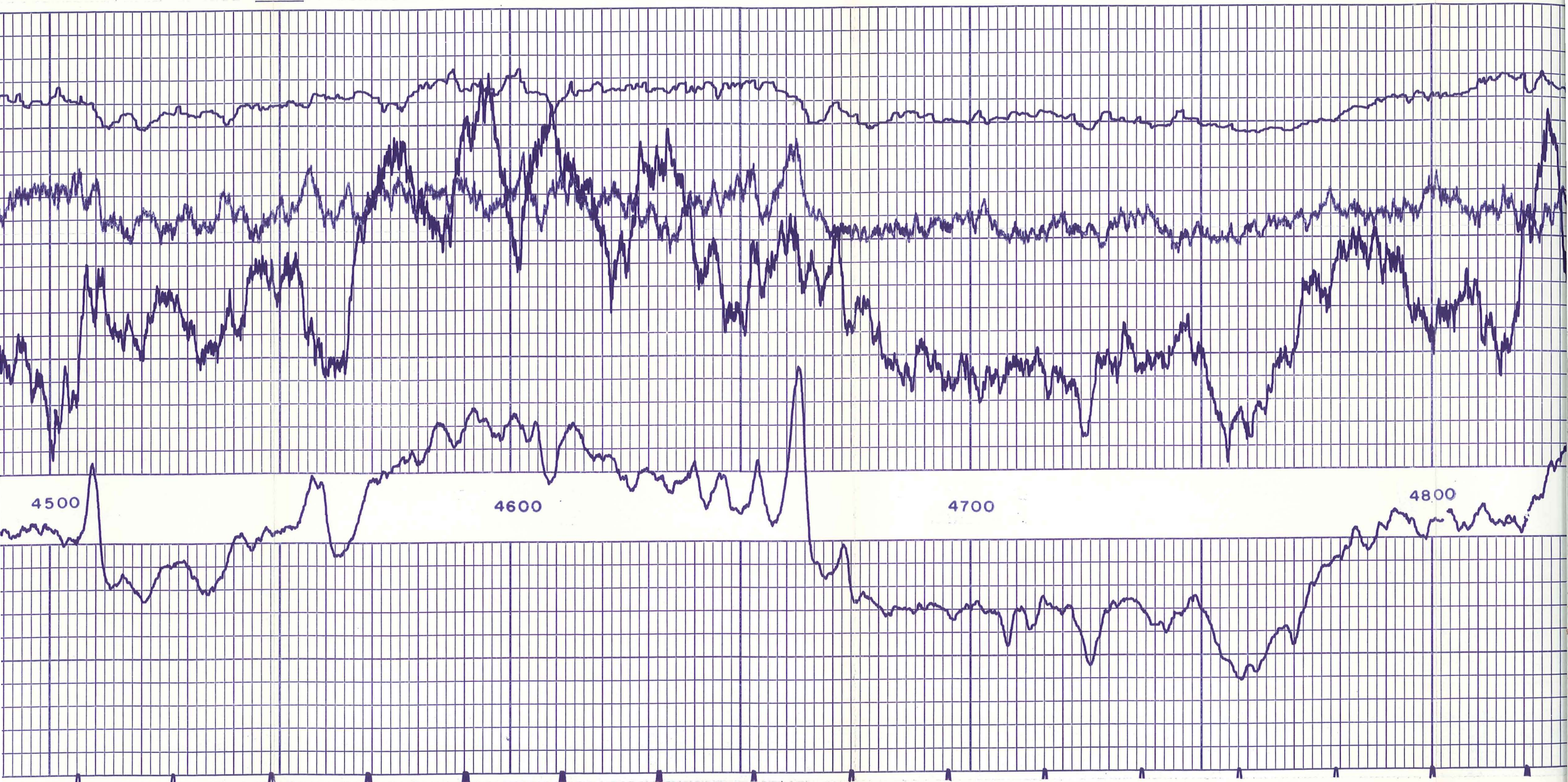
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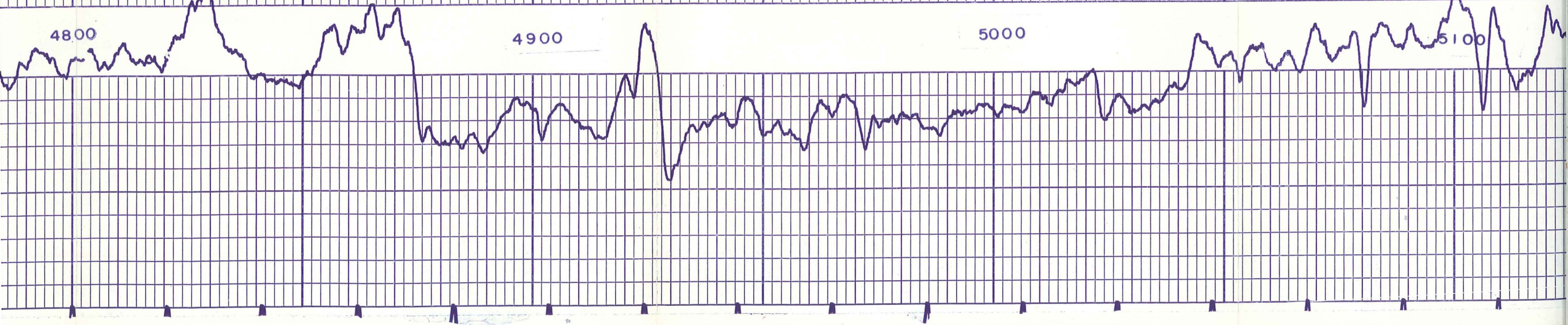
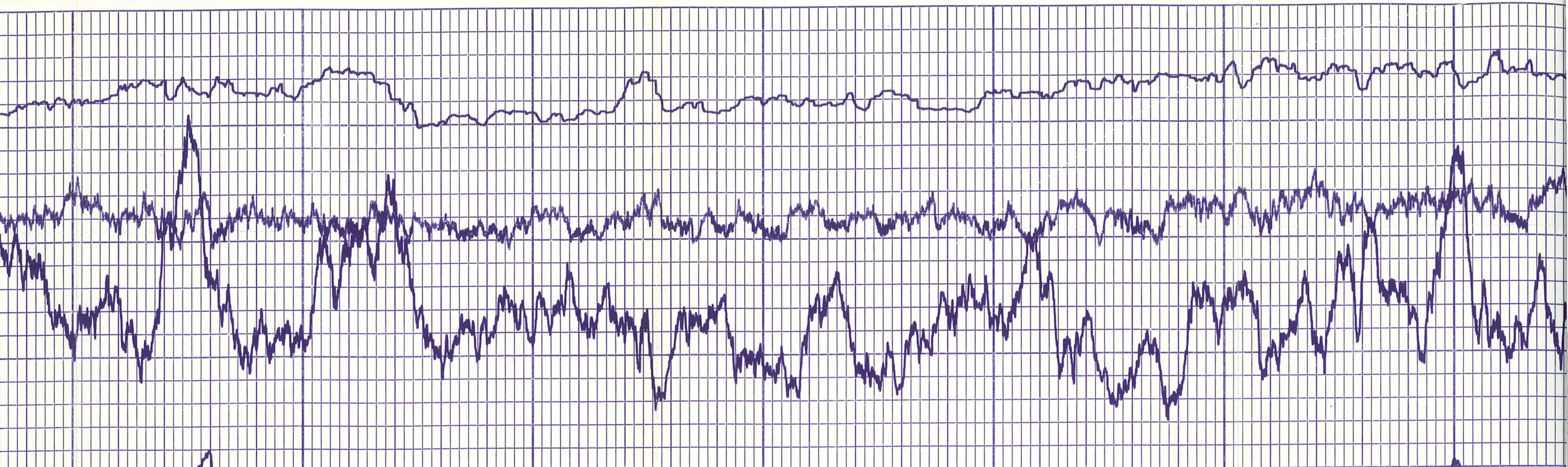
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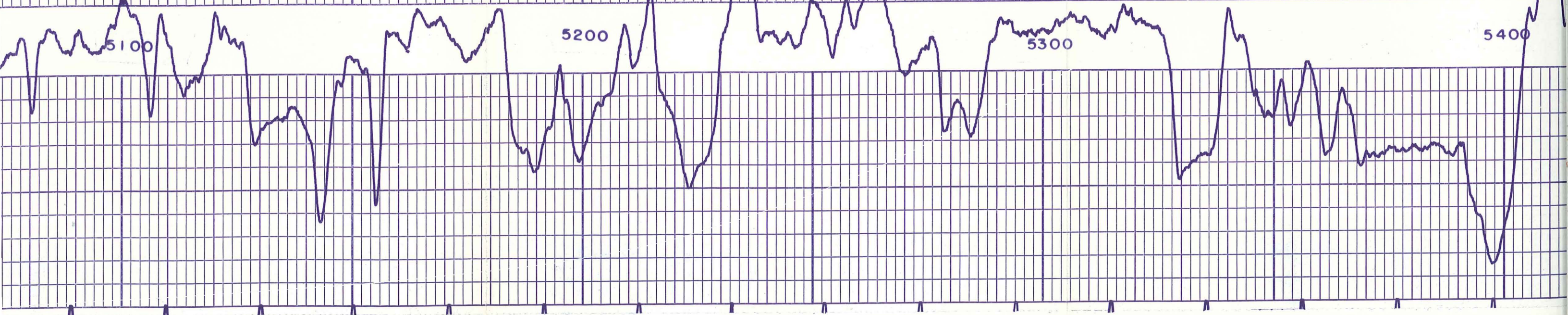
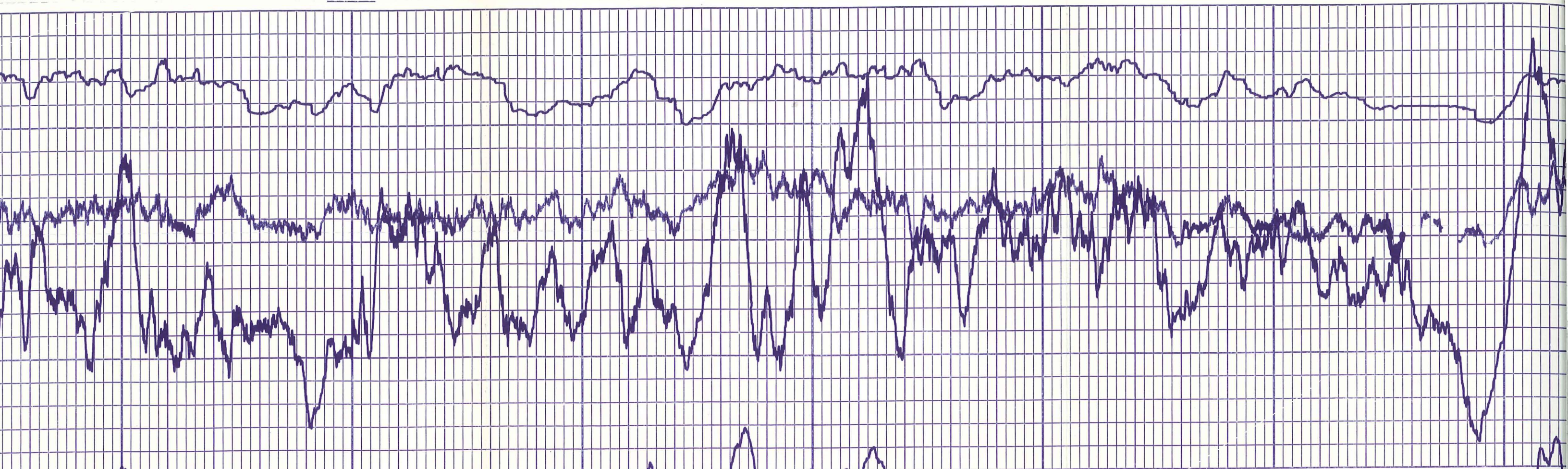
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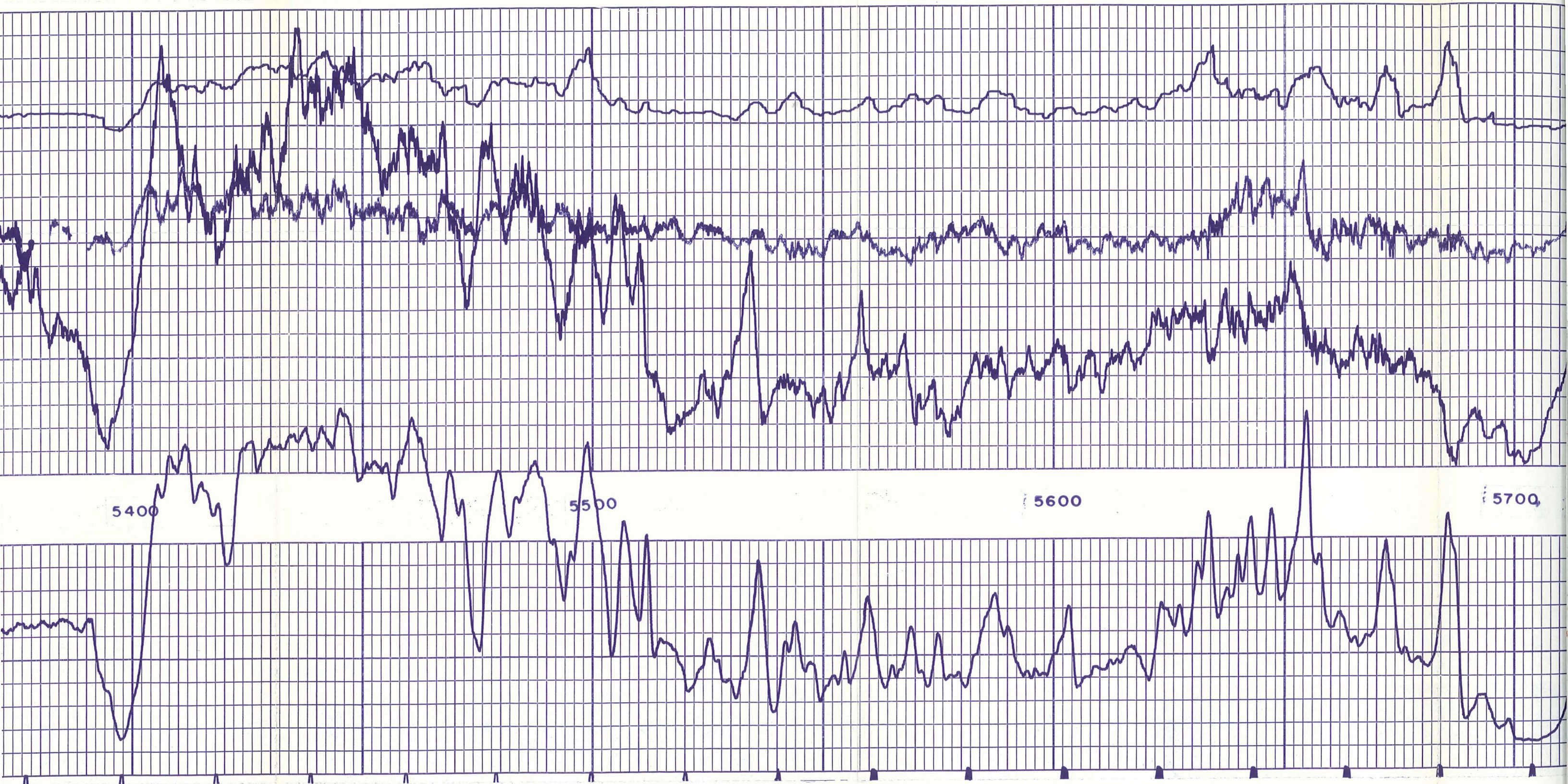
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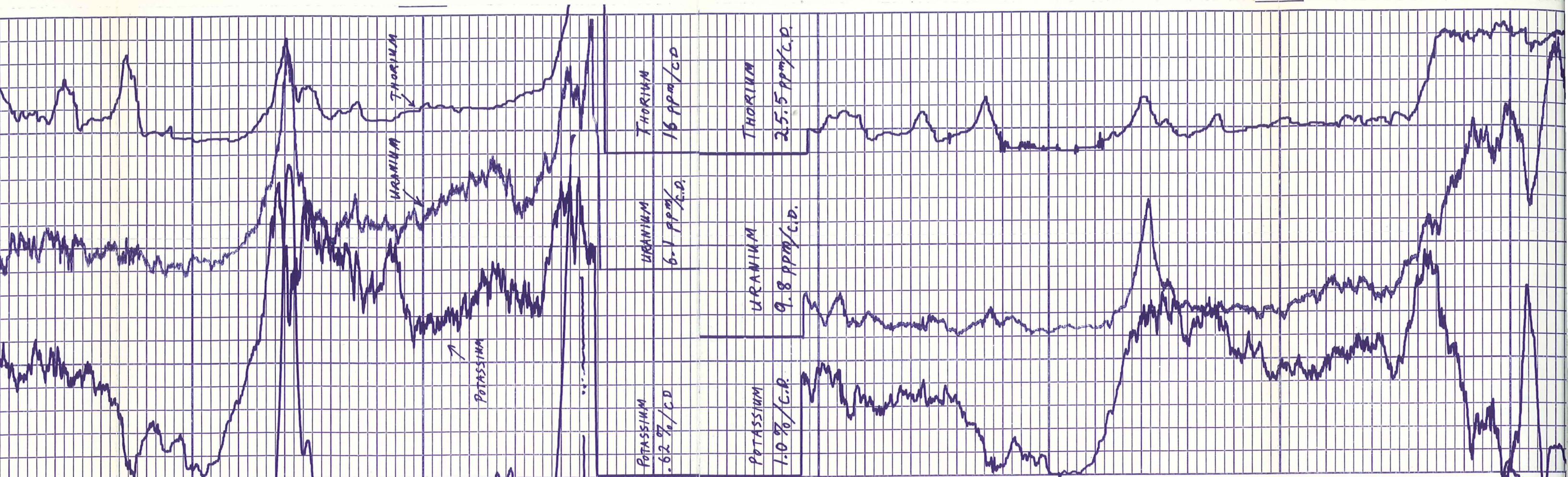


5400

5500

5600

5700



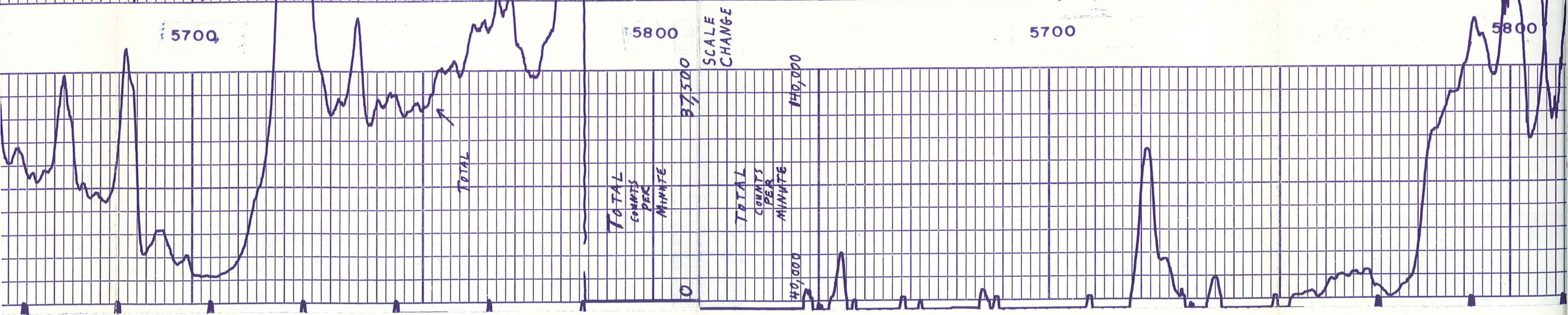
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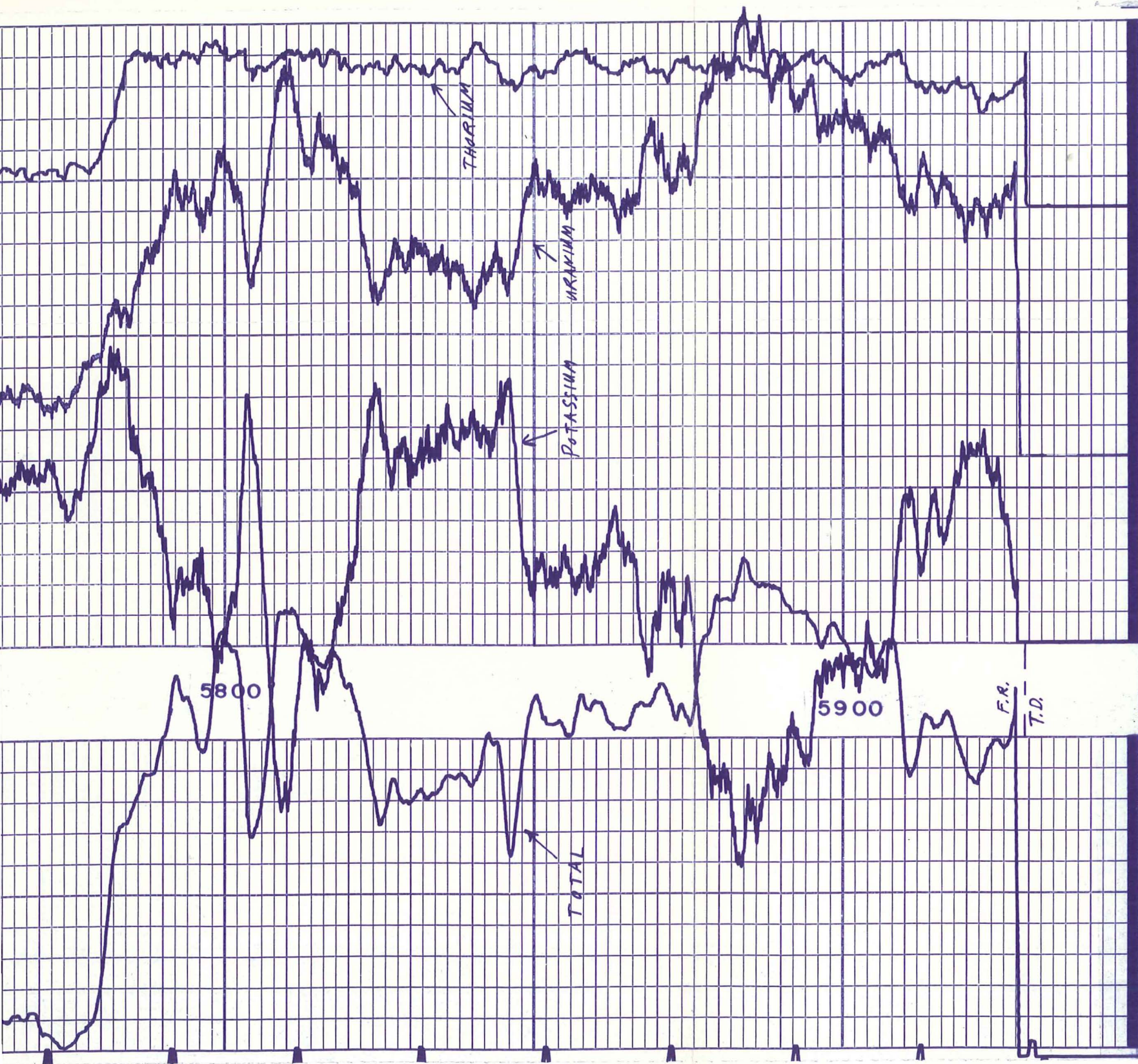
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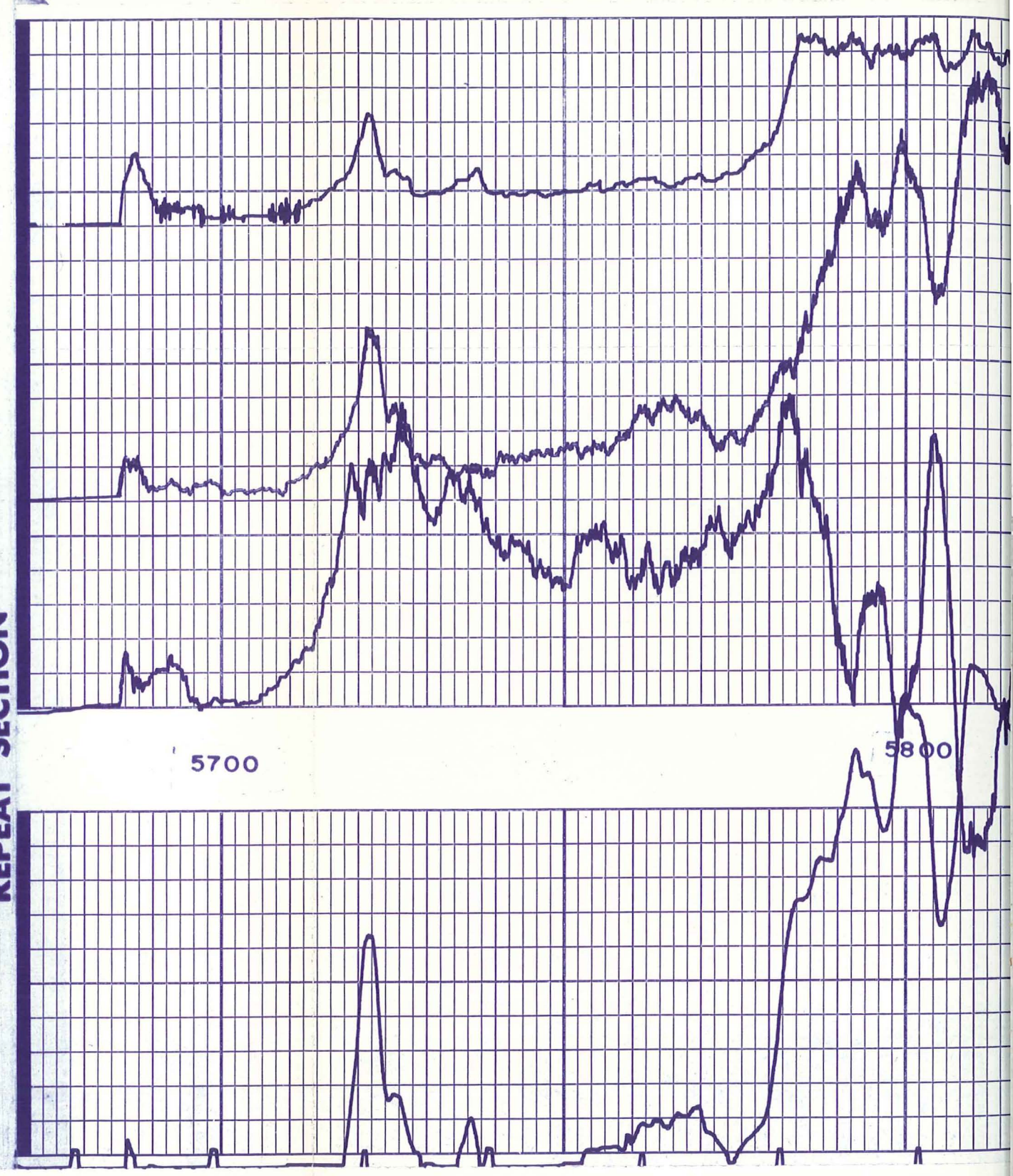
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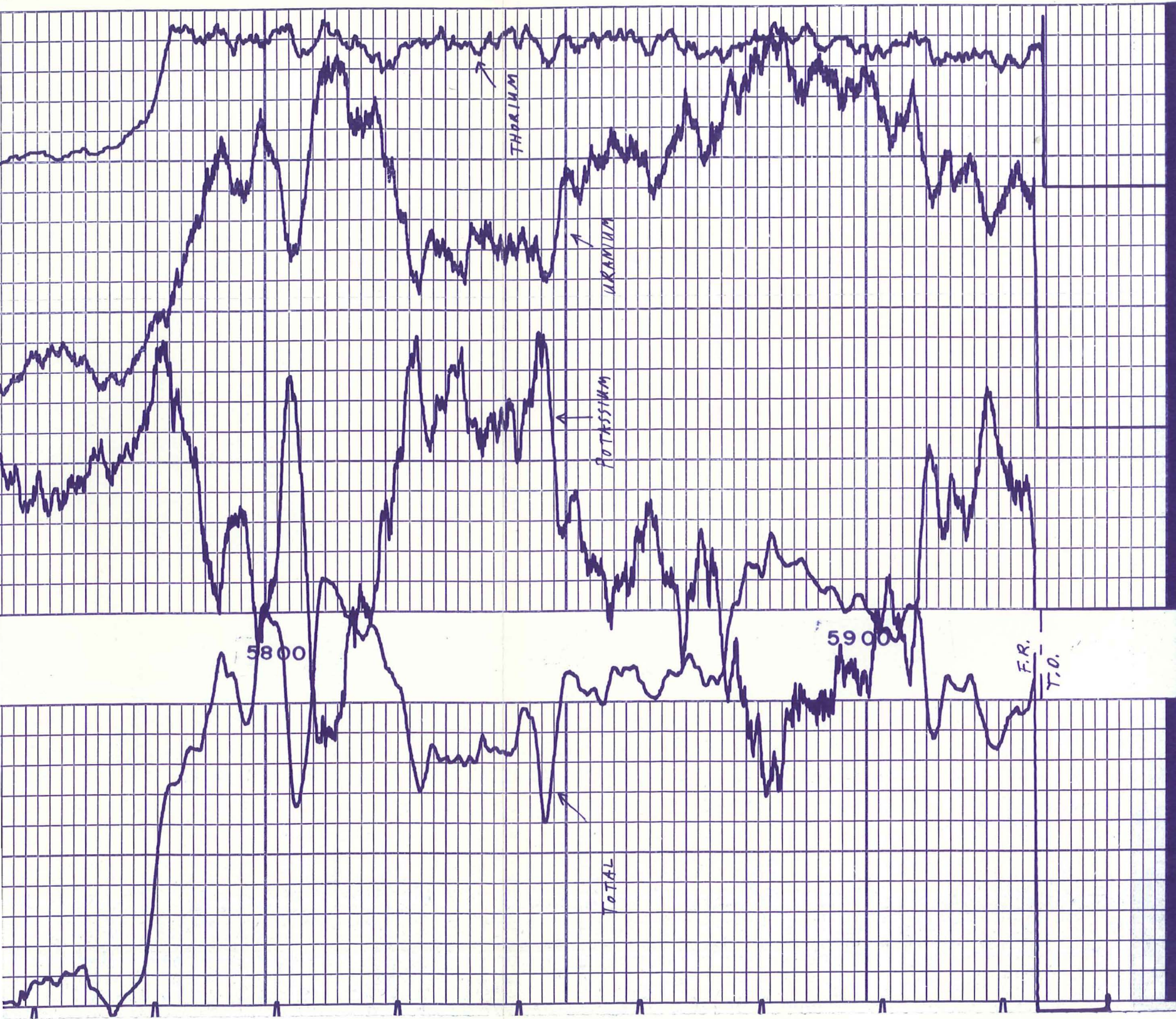
SCALE  
CHANGE



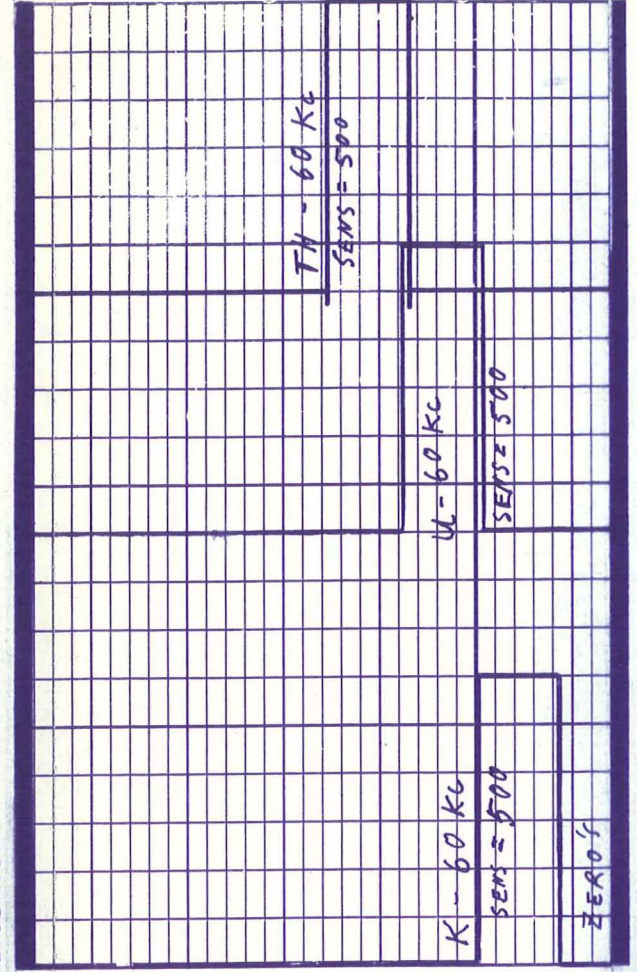
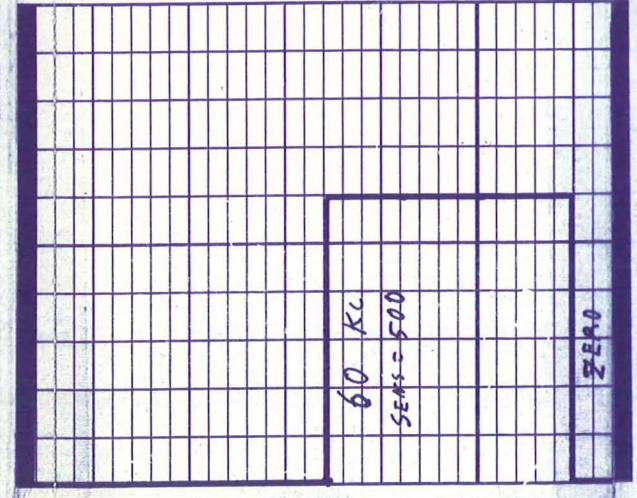


REPEAT SECTION





CALIBRATION—BEFORE SURVEY



**Dresser Atlas**  
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