Schlumberger

DUAL LATEROLOG

SCHLUMBERGER OF CANADA Calgary Alberta

PROVINCE YUKON TERRITORY
FIELD WILDCAT
WELL COLUMBIA ET AL KOTANEELEE YT I-48
COMPANY COLUMBIA GAS DEVELOPMENT OF CANADA LTD.

COMPANY COLUMBIA GAS DEVELOPMENT OF CANADA LTD.

WELL COLUMBIA ET AL KOTANEELEE YT I-48

FIELD WILDCAT

PROVINCE YUKON TERRITORY

LOCATION 60° 07' 35.917" N. LAT. 124° 07' 36.45" W. LONG.

LSD	SEC.	TWP	RANGE

Other Services:
CBL-VD-GR
FDC-CN.-GR
DISFL.CNL-GR
BHC-GR

Permanent Datum: GL ; Elev.: 827.34 m
Log Measured From KB 7.61 m Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 834.95 m
D.F. m
G.L. 827.34 m

Date		13 DEC 79		
Run No.	One	Two	Three	Four
Depth—Driller	m	3270.0 m	m	m
Depth—Logger (Schl.)	m	3263.0 m	m	m
Btm. Log Interval	m	3255.0 m	m	m
Top Log Interval	m	1051.0 m	m	m
Casing—Driller	@ m	@ 1054 m	@ m	@ m
Casing—Logger	m	1051.0 m	m	m
Bit Size	mm	311.0 mm	mm	mm
Type Fluid in Hole		GEL		
Dens (kg/m³) | Visc.		1300 | 54		
pH | Fluid Loss (cm³)		9.5 | 24		
Source of Sample		FLOWLINE		
Rm @ Meas. Temp.	@ °C	0.214 @ 29 °C	@ °C	@ °C
Rmf @ Meas. Temp.	@ °C	0.144 @ 25 °C	@ °C	@ °C
	@ °C	@ °C	@ °C	@ °C
Source: Rmf		MEAS		
Rm @ BHT	@ °C	0.056 @ 109 °C	@ °C	@ °C
TIME Circulation Stopped		0300 13th		
TIME Tool Last on Bottom		1114 13th		
Max. Rec. Temp. #1 | #2	°C | °C	105 °C | 109 °C	°C | °C	°C | °C
Unit | District		339 | FRONT.		
Recorded By		PICKFORD		
Witnessed By		TOOLE		

Run No.	One	Two	Three	Four
Service Order No.		101673		
EQUIPMENT DATA				
Panel No.		734		
Aux. Panel No.		1768		
Cartridge No.		841		
Sonde No.		991		
Memorizer No.		1841		
GR Cartridge		529		
CALIBRATION DATA				
GR Background CPS		40		
GR Source CPS		440		
GR Cal. API Scale	165	165	165	165
LOGGING DATA				
Centralizer Type		RUBBER		
No. of Centralizers		TWO		

REMARKS 26 JULY 80 EDM. LP&SS
- GR ON TAPE 3.5' DEEP DID NOT PUT ON FILM AS NOT ABLE TO MEMORIZE.
- SP MEMORY 3.3
- MUD SAMPLES:
Rm 1 = 0.214 @ 29 C
R[illegible] 2 = 0.21[illegible] @ 28 C
R[illegible] 3 = 0.216 @ 29 C
R[illegible] 1 = 0.143 @ 25 C
R[illegible] 2 = 0.145 @ 25 C
R[illegible] = 0.57 @ 25 C

Log Taped ☒ Yes ☐ No

SPONTANEOUS - POTENTIAL
millivolts

DEPTH METRES

RESISTIVITY
Ω·m

SHALLOW LATEROLOG

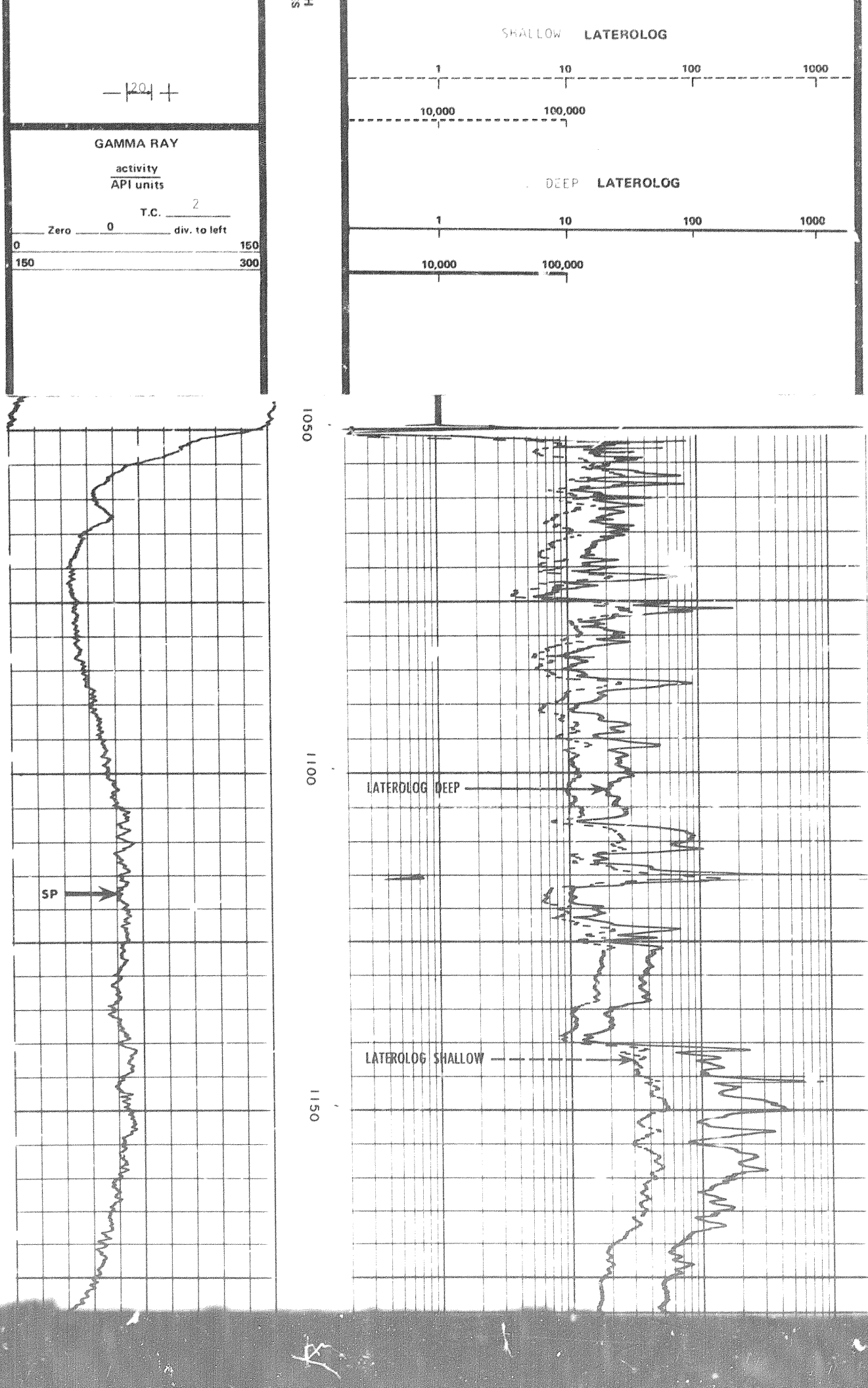
1 10 100 1000

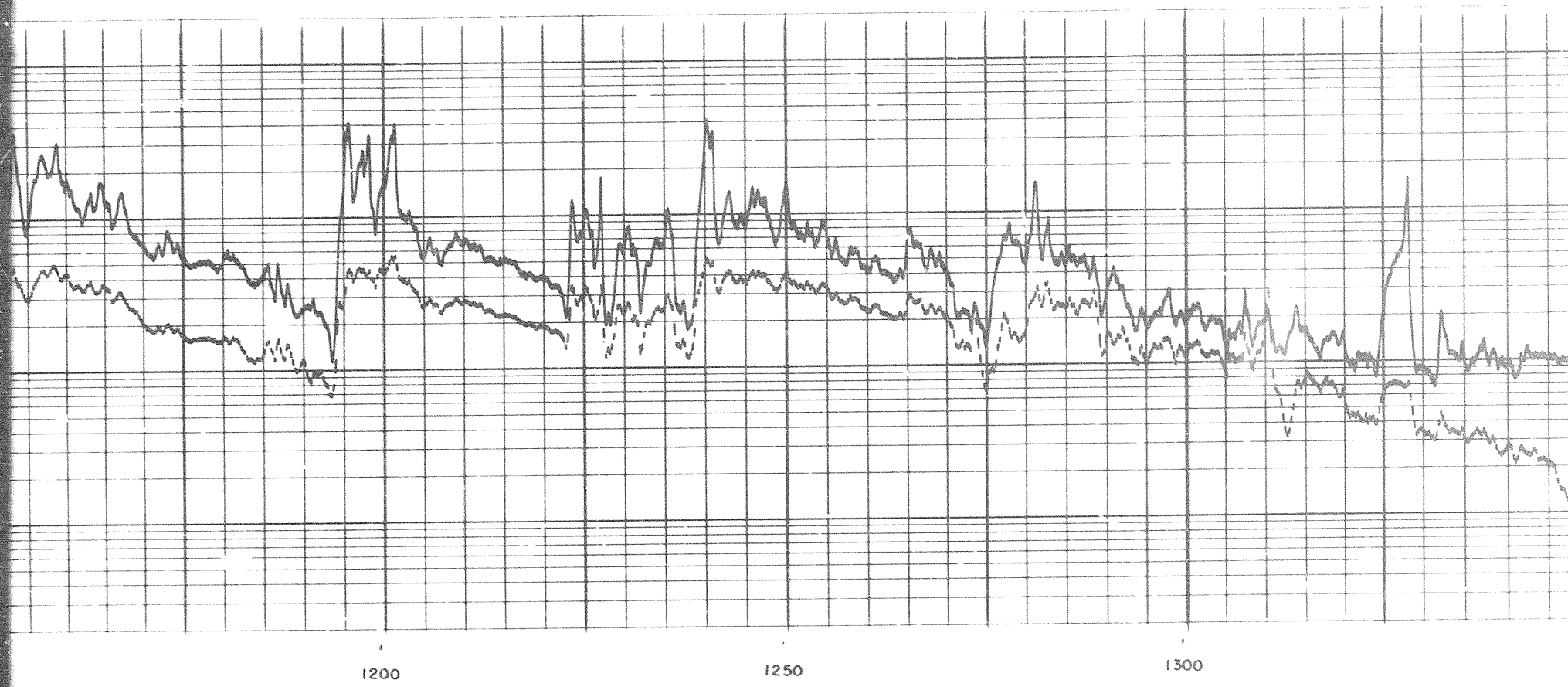
10,000 100,000

X 2010

GAMMA RAY
activity
API units

DEEP LATEROLOG


120
GAMMA RAY
activity
API units
T.C. 2
Zero 0 div. to left
0 150
150 300
SHALLOW LATEROLOG
1 10 100 1000
10,000 100,000
DEEP LATEROLOG
1 10 100 1000
10,000 100,000
1050
1100
1150
SP
LATEROLOG DEEP
LATEROLOG SHALLOW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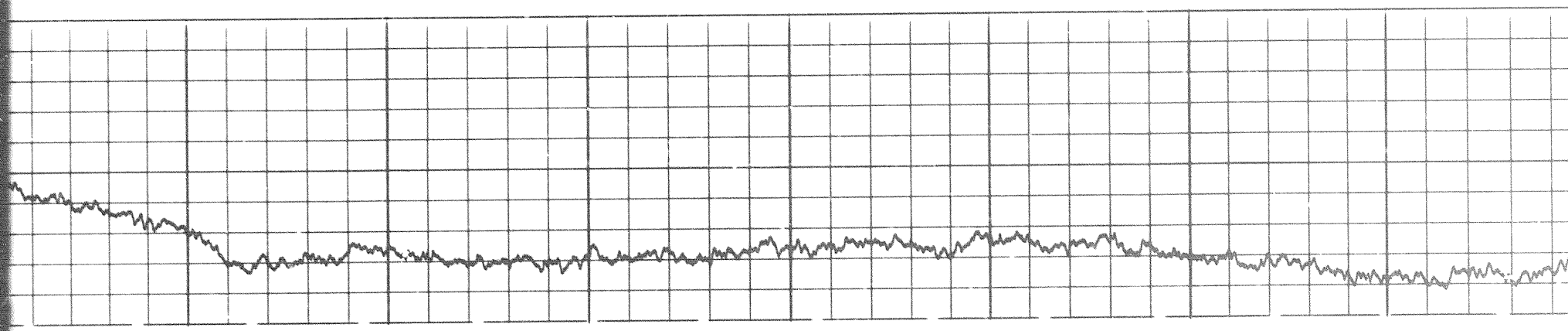
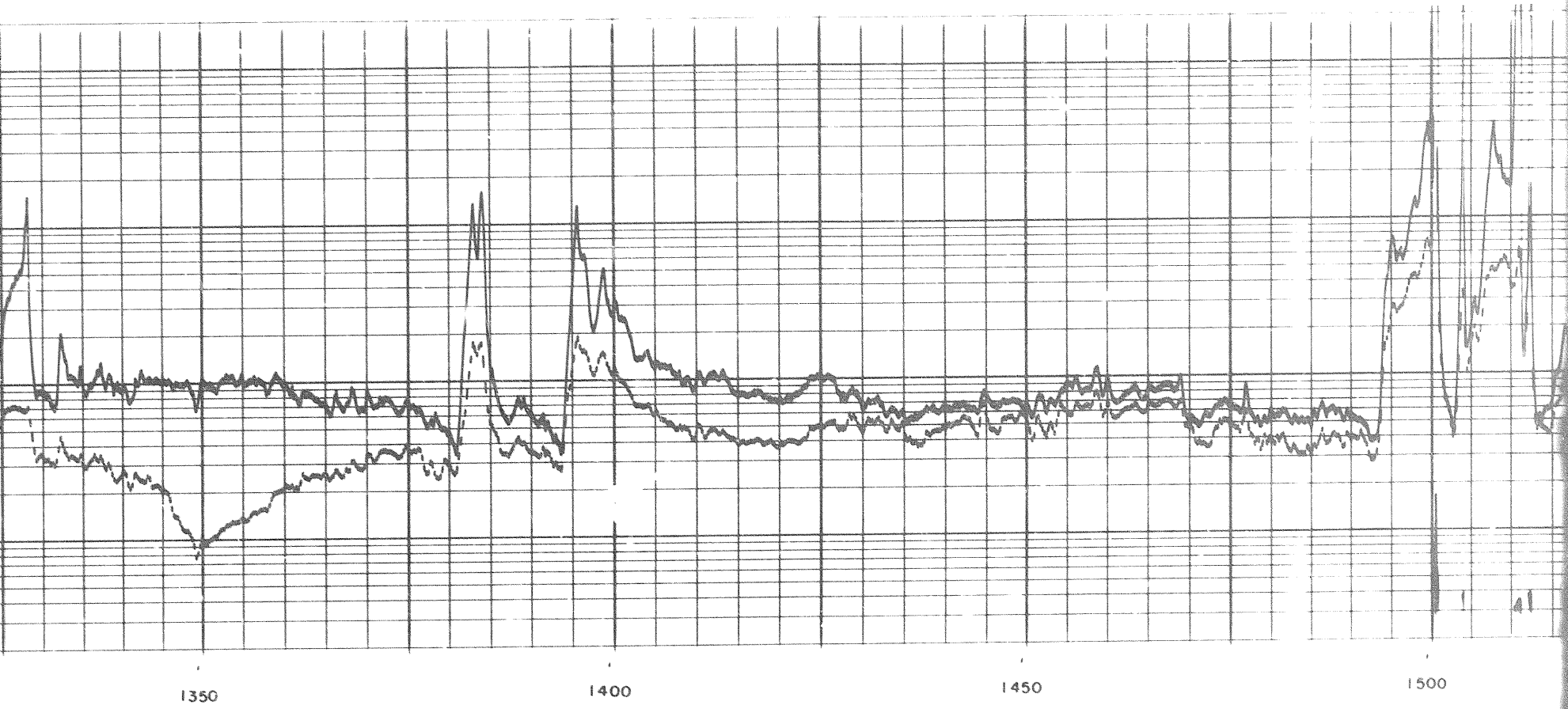
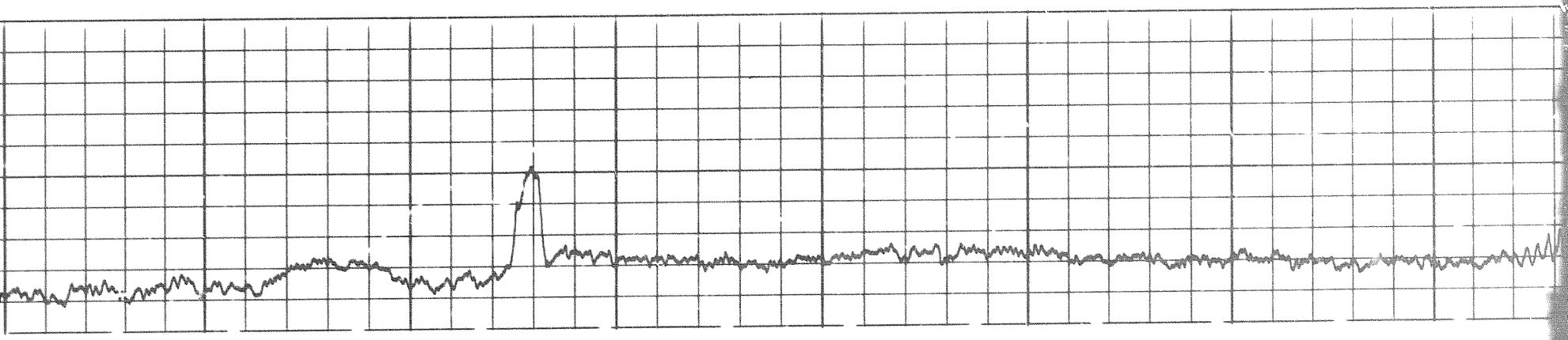
1250
1300







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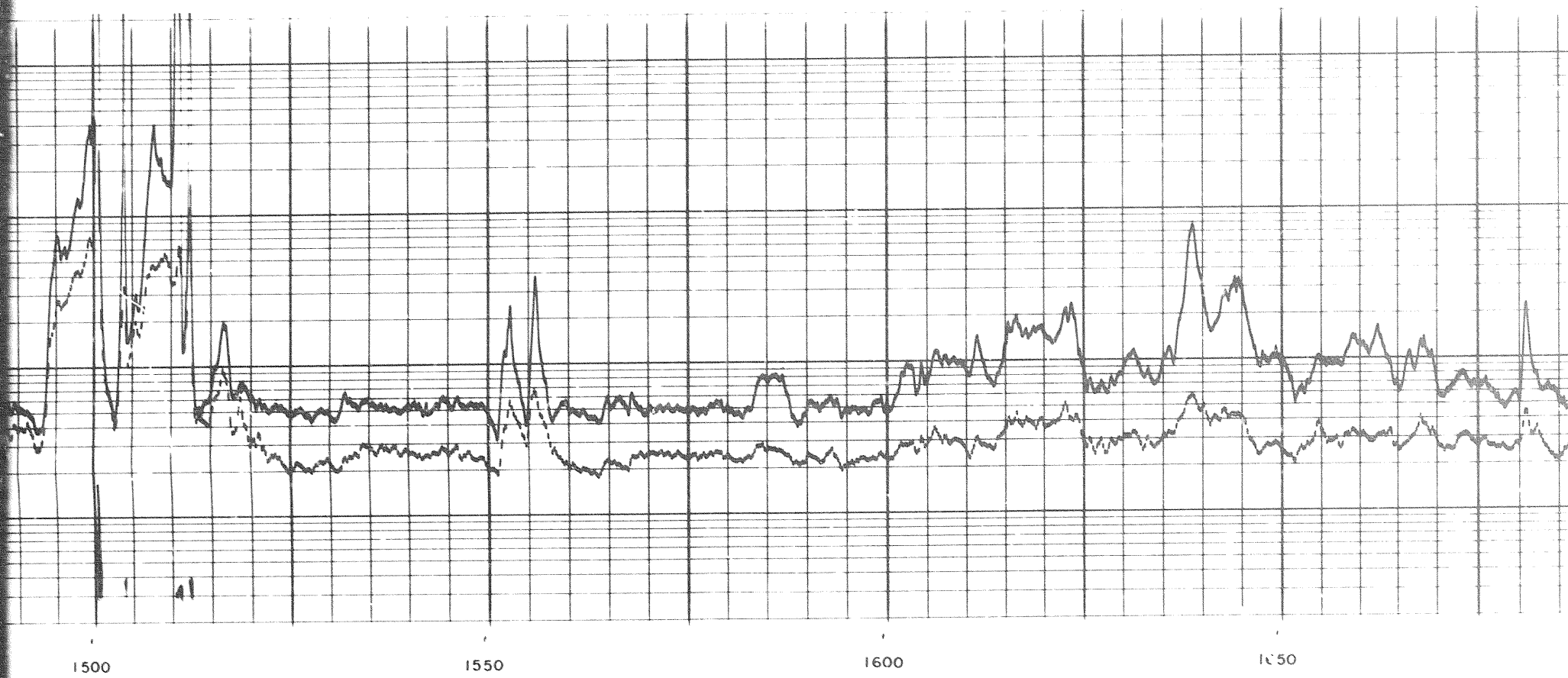
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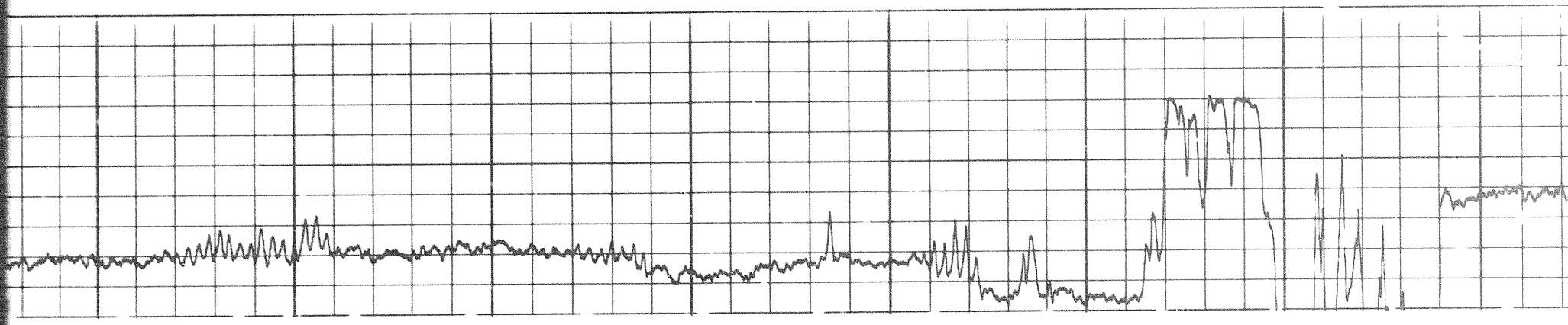

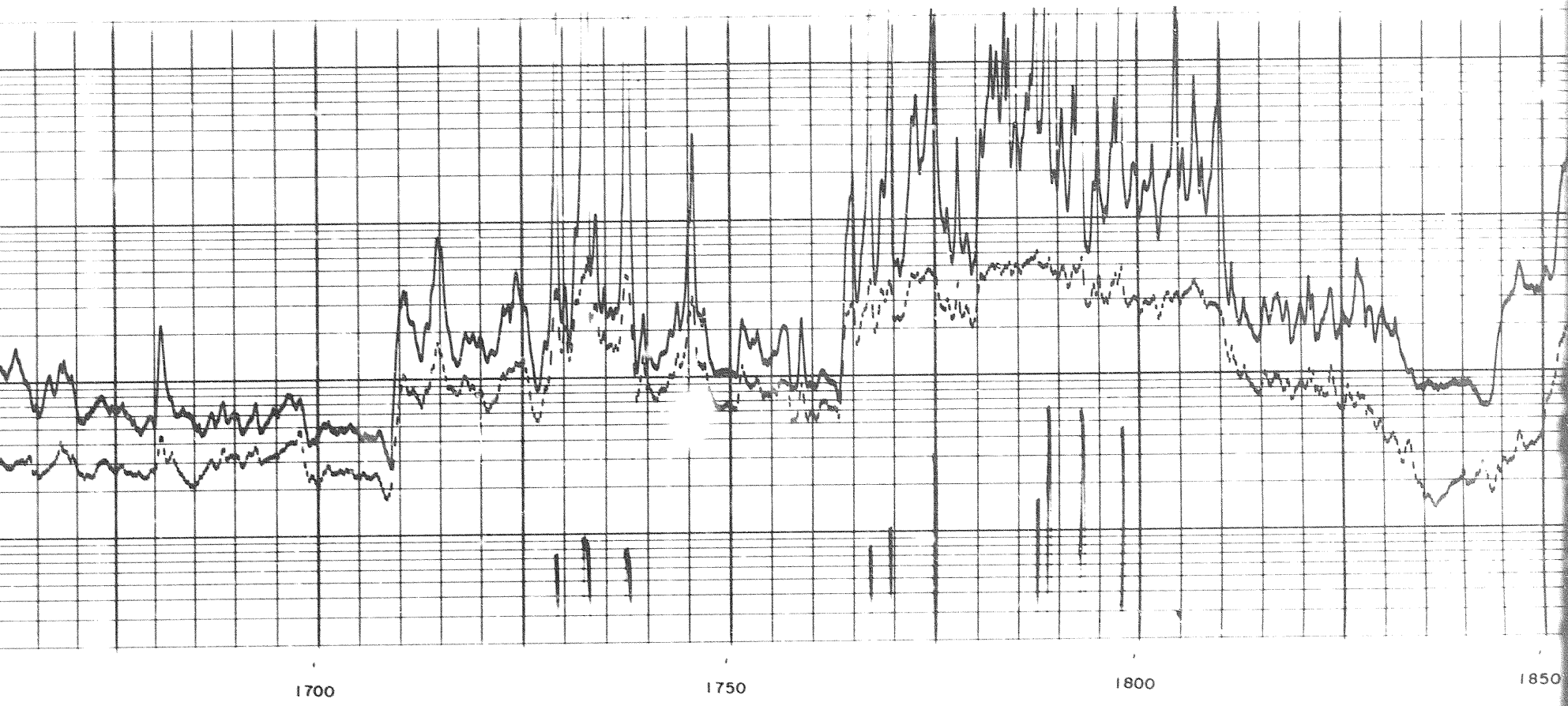

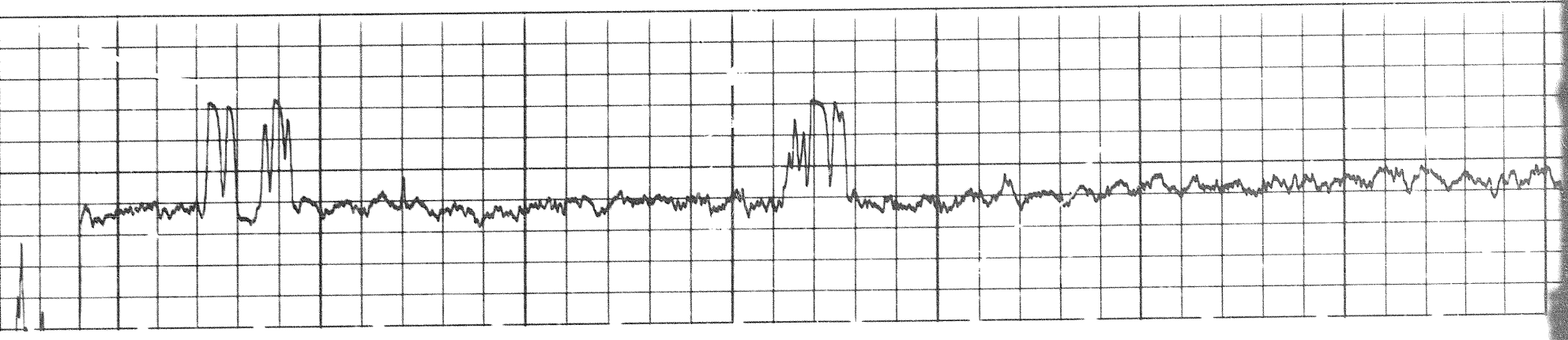

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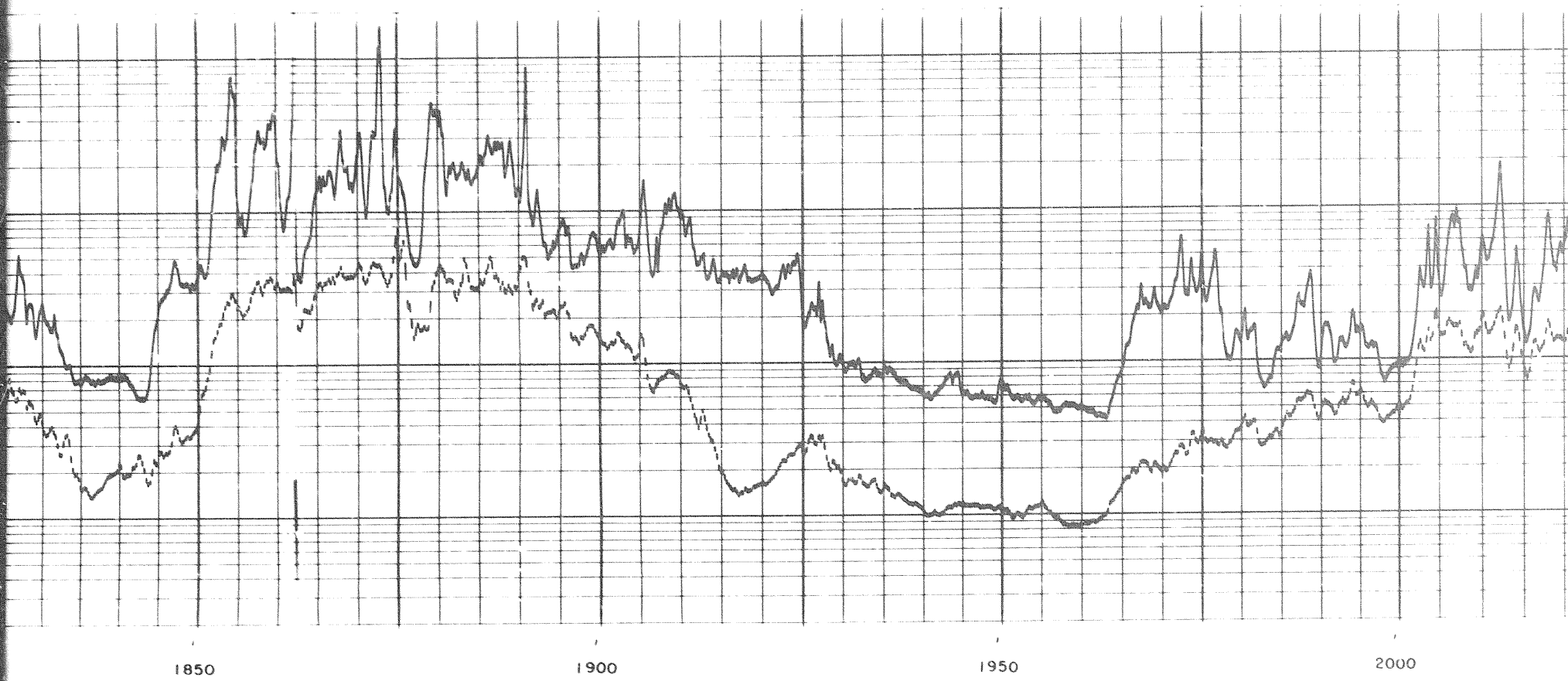
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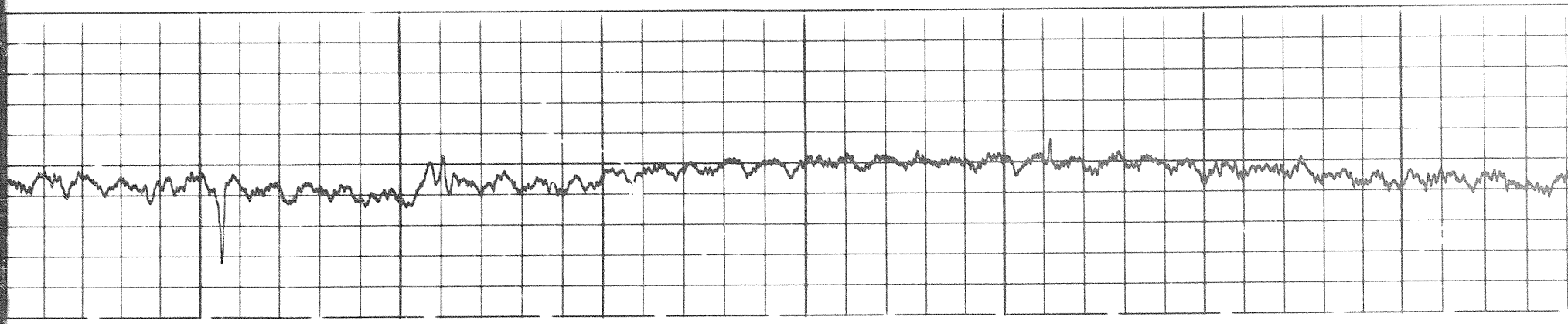

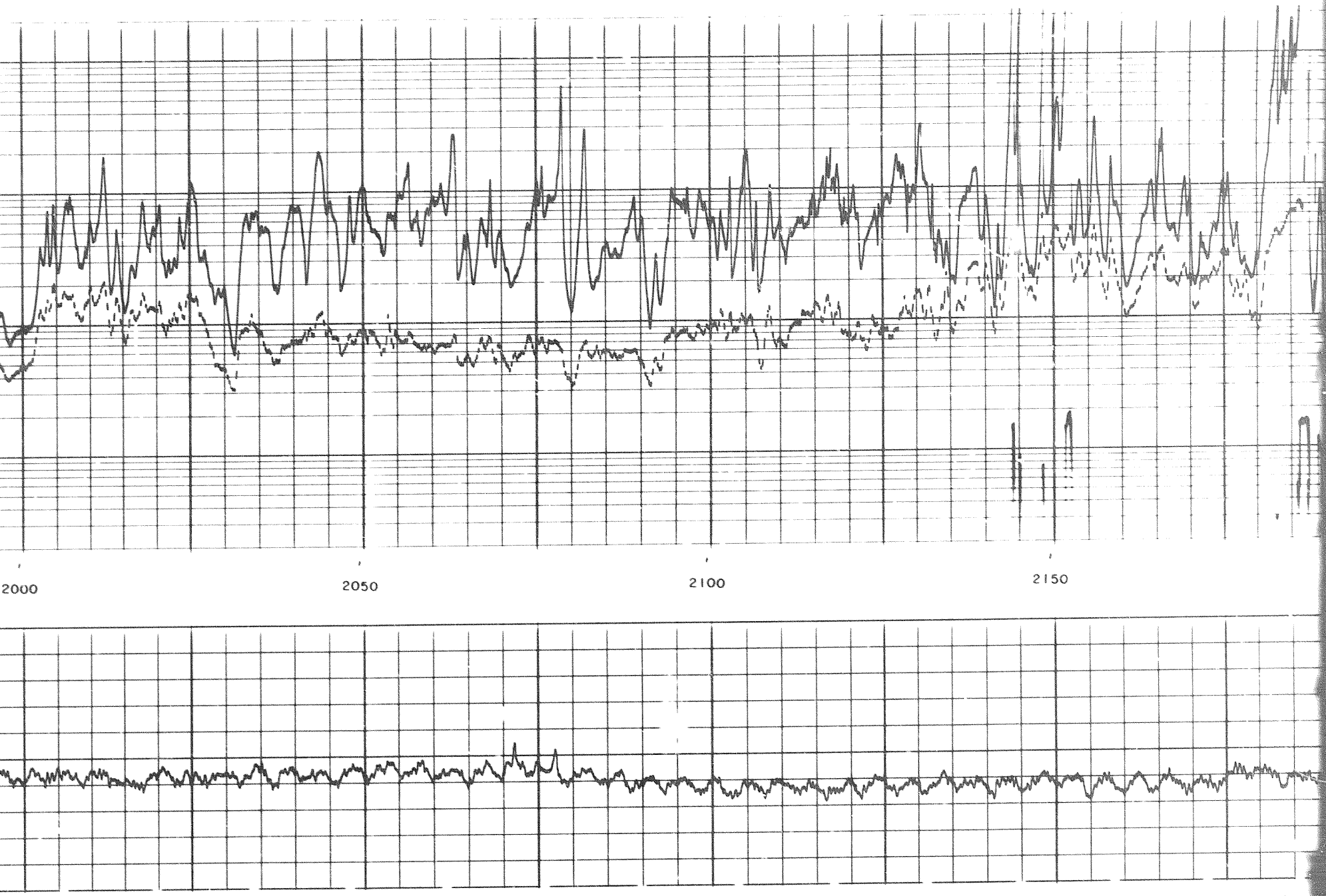

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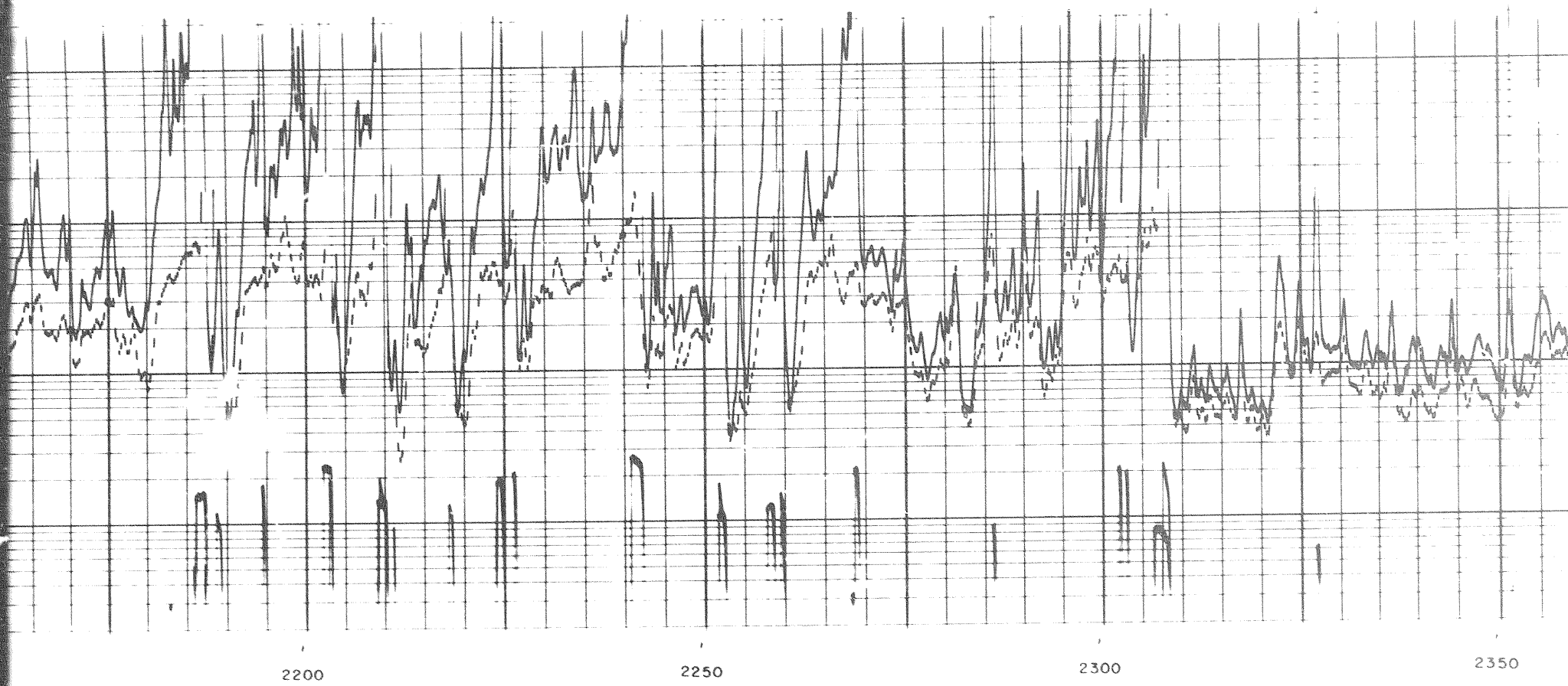
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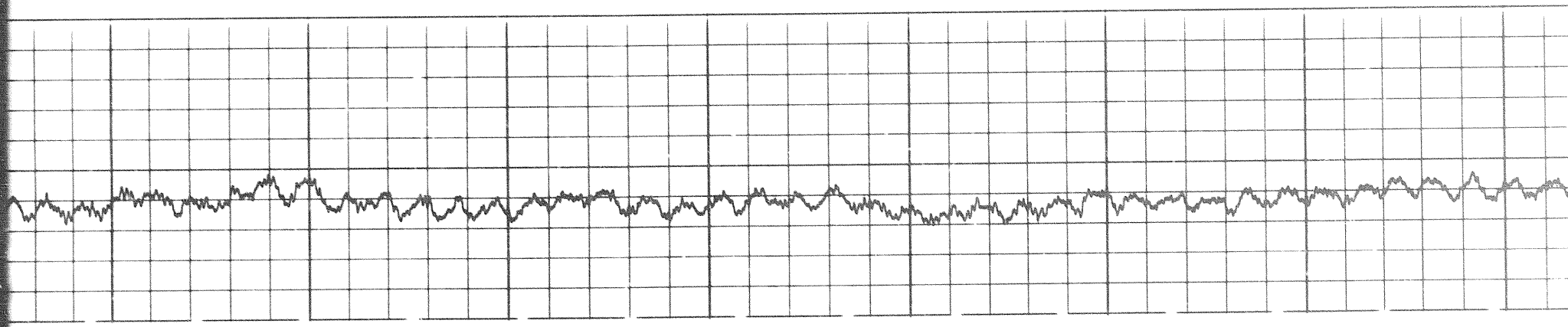

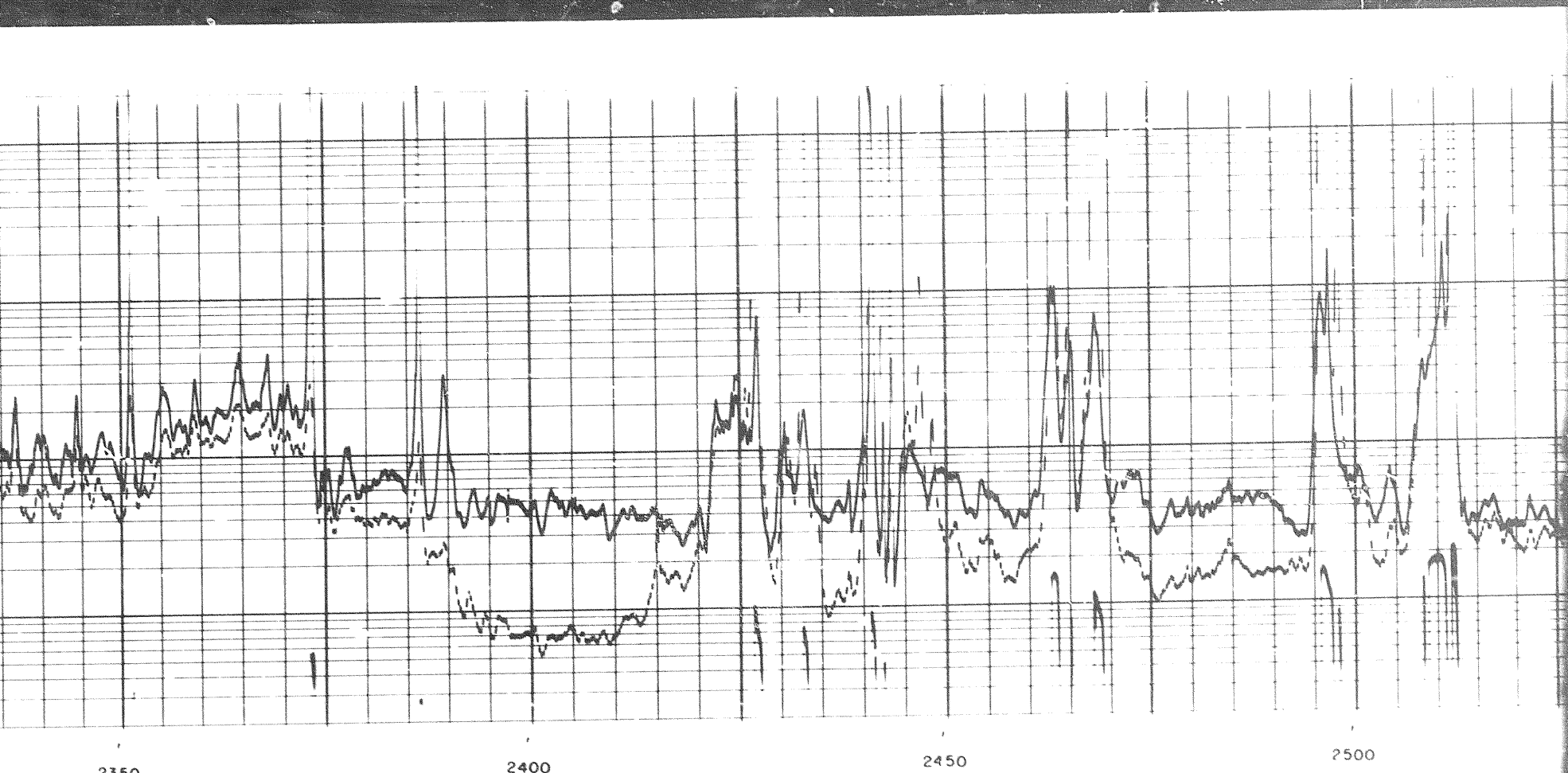

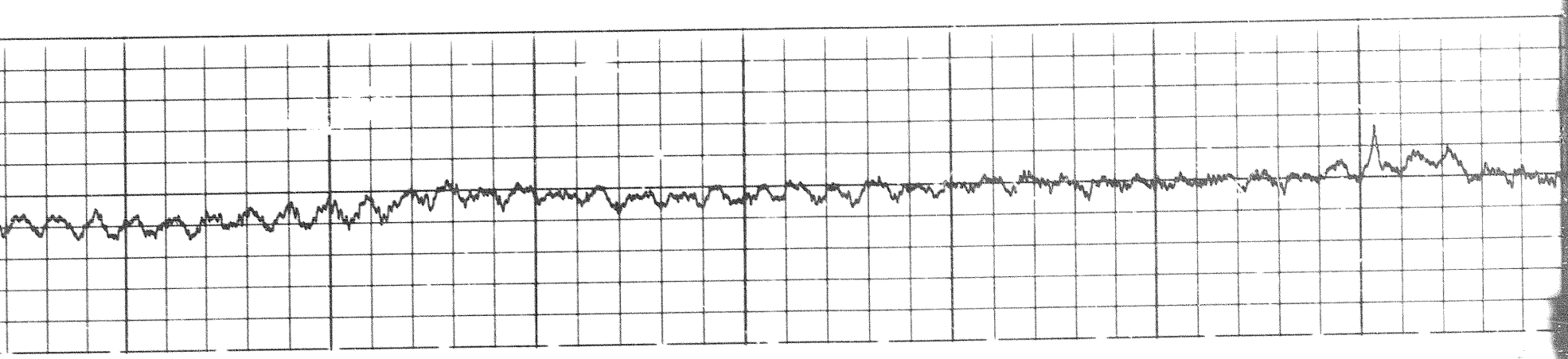

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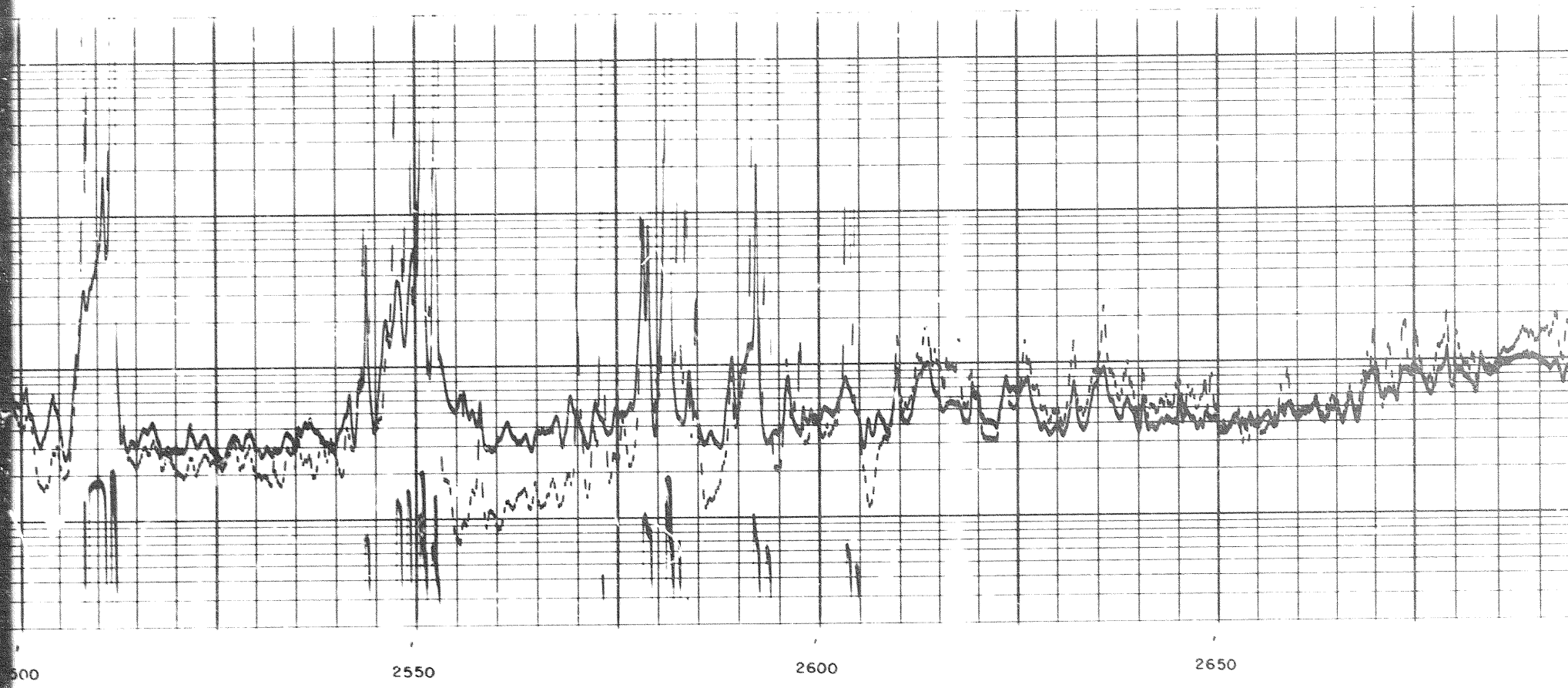

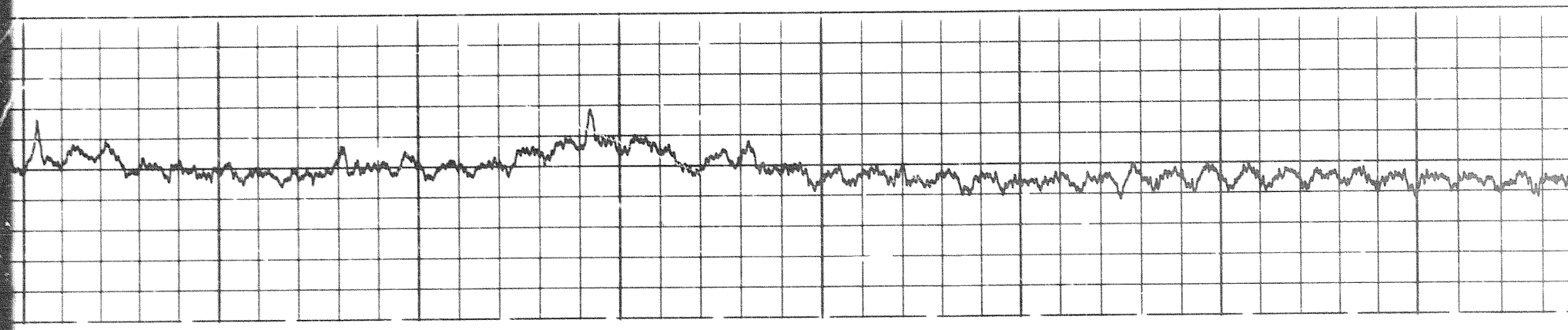

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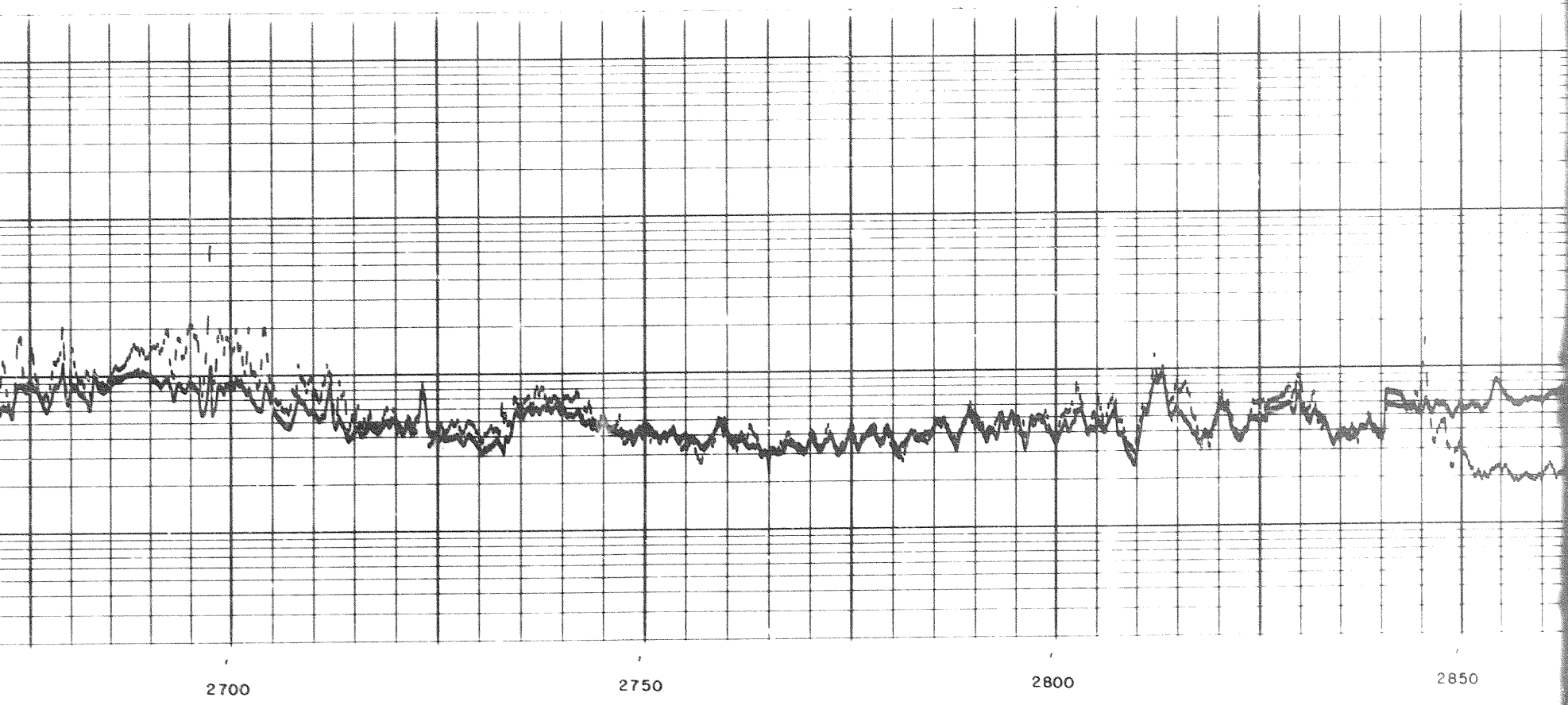

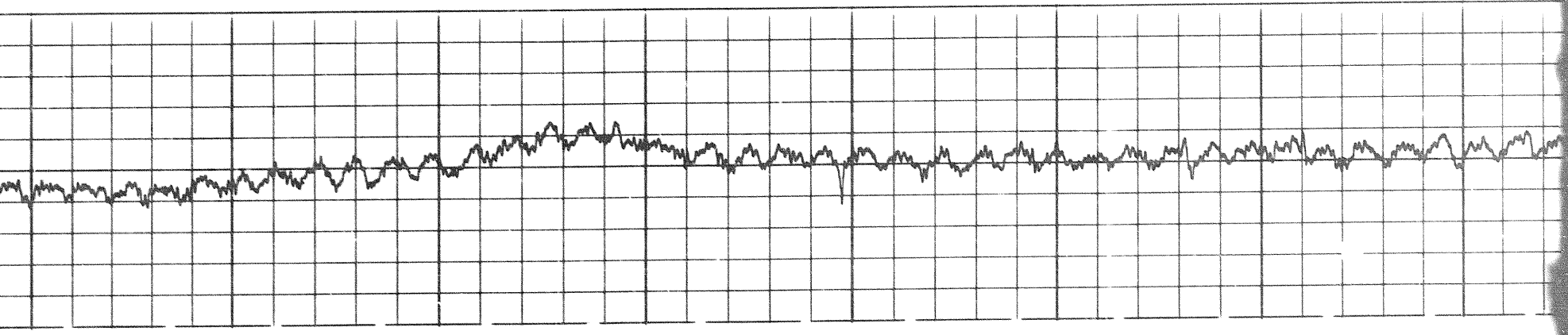

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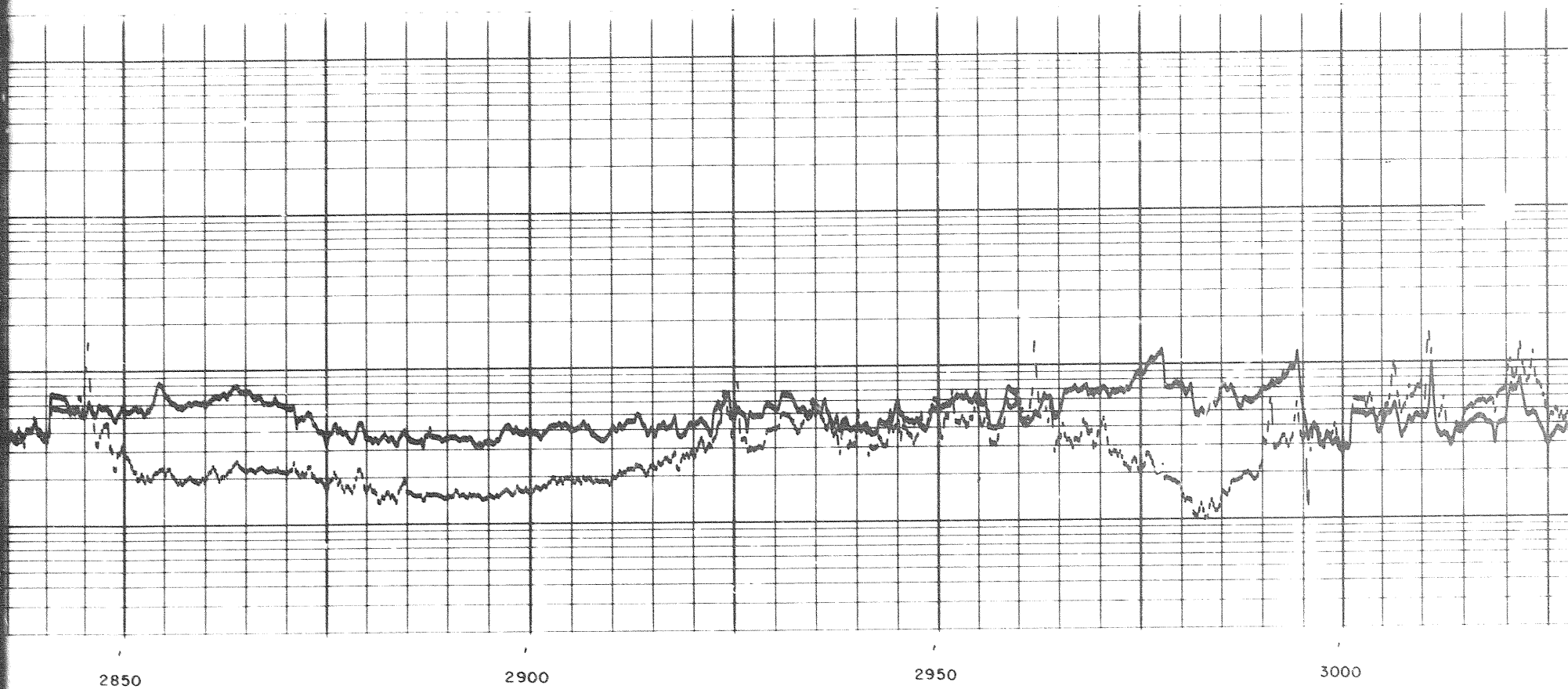
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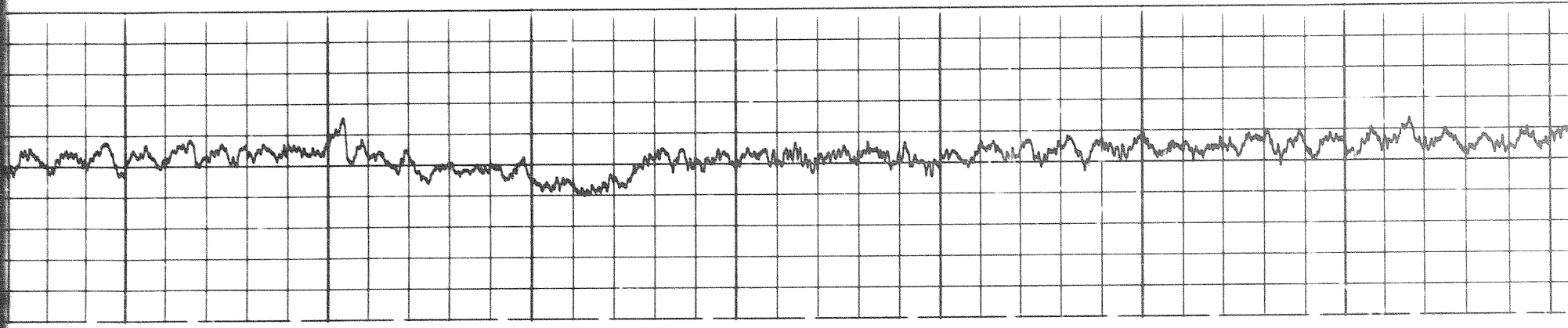

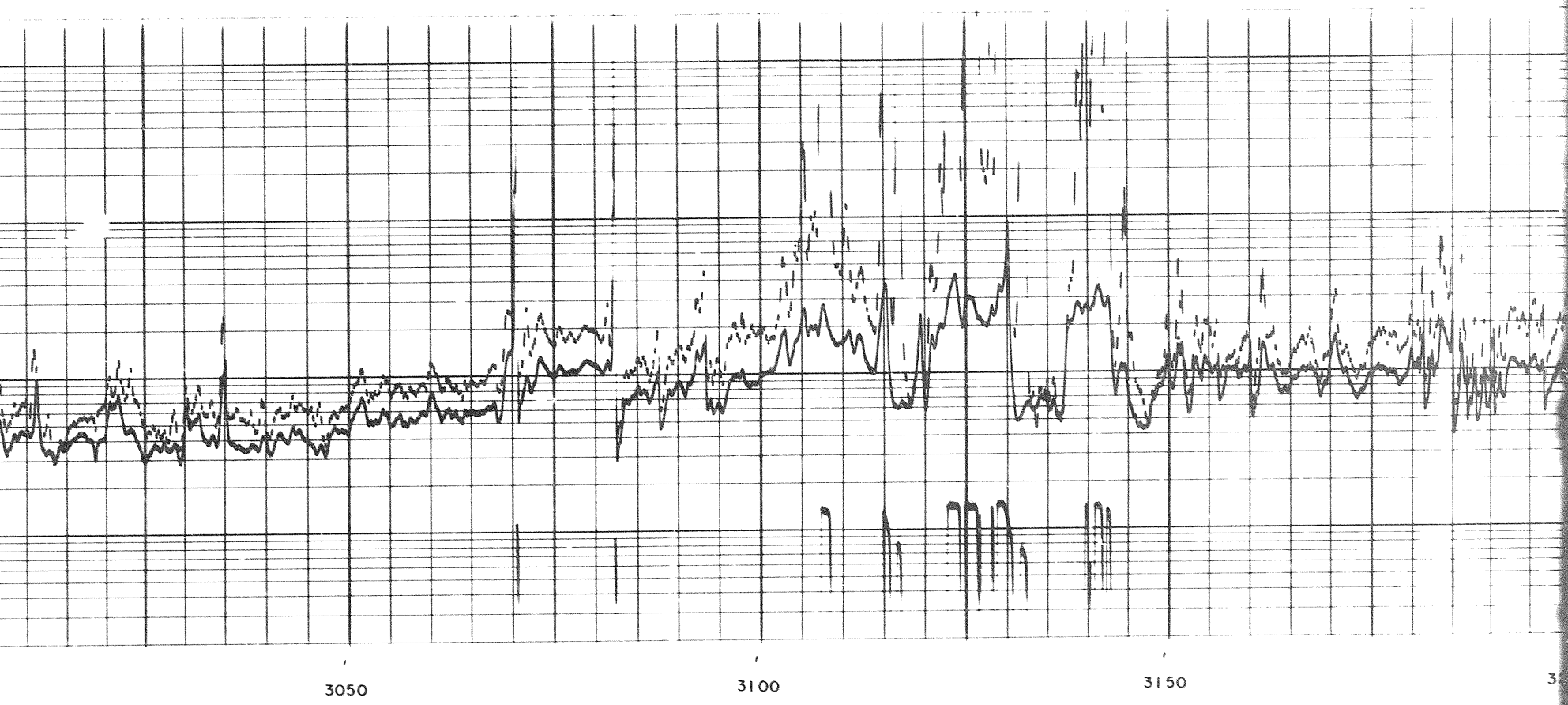

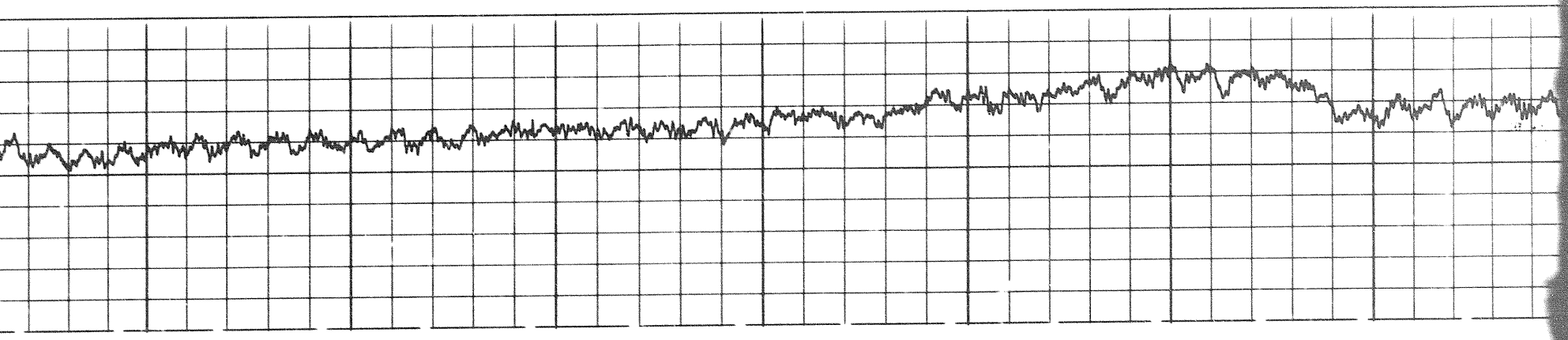

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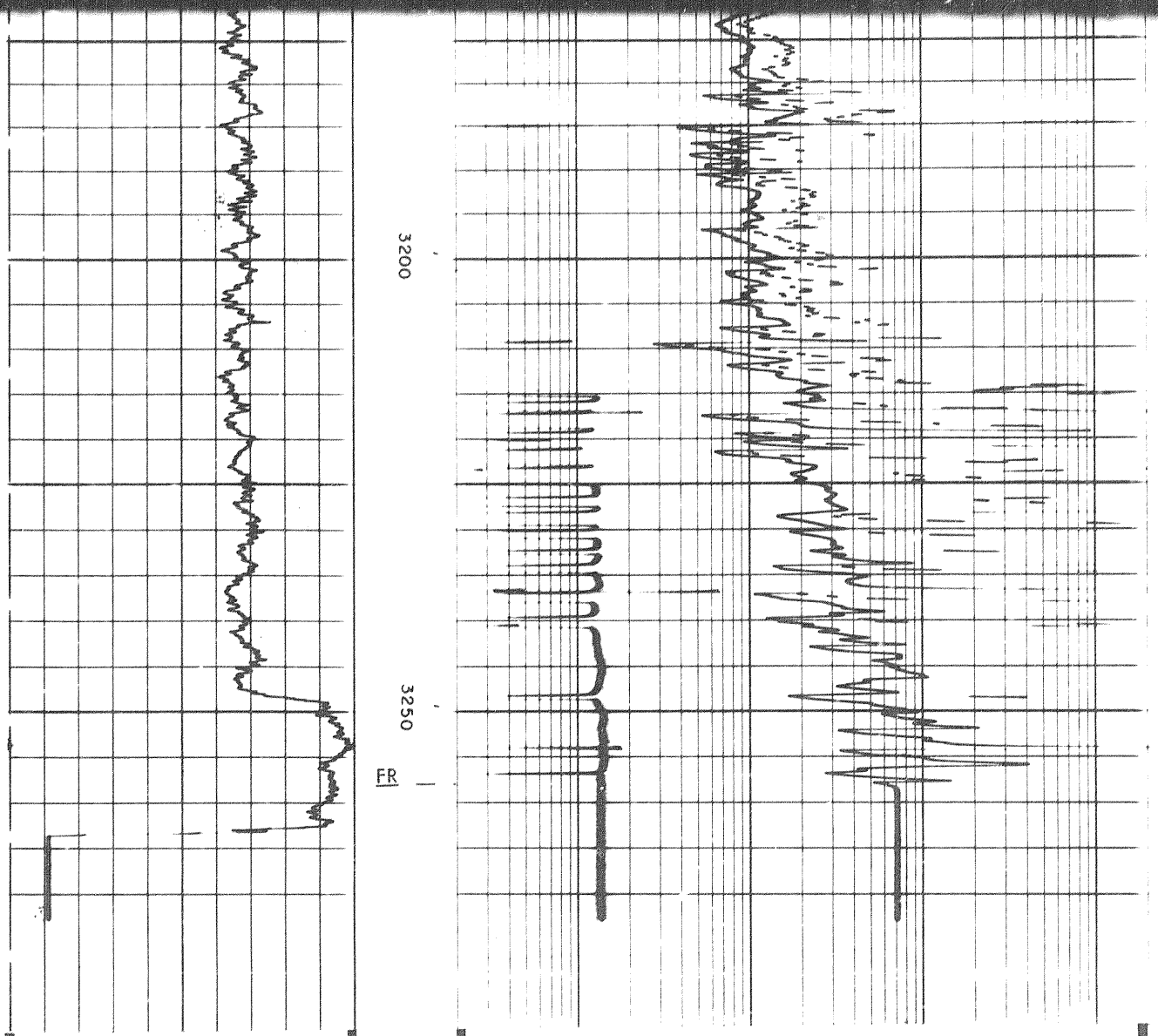


SPONTANEOUS - POTENTIAL
millivolts

20

activity
API units

T.C. 2

Zero 0 div. to left

DEPTH
METRES

SHALLOW **LATEROLOG**

1 10 100 1000

10,000 100,000

DEEP **LATEROLOG**

1 10 100 1000

10,000 100,000

RESISTIVITY
Ω m

DETAIL LOG
1:240

SPONTANEOUS - POTENTIAL
millivolts

DEPTH
METRES

RESISTIVITY
Ω m

LATEROLOG

DETAIL LOG
1:240

SPONTANEOUS - POTENTIAL
millivolts

20

GAMMA RAY

activity
API units

T.C. 2

Zero 0 div. to left

DEPTH
METRES

RESISTIVITY
Ω · m

SHALLOW LATEROLOG

1 10 100 1000

10,000 100,000

DEEP LATEROLOG

1 10 100 1000

10,000 100,000

X2010A

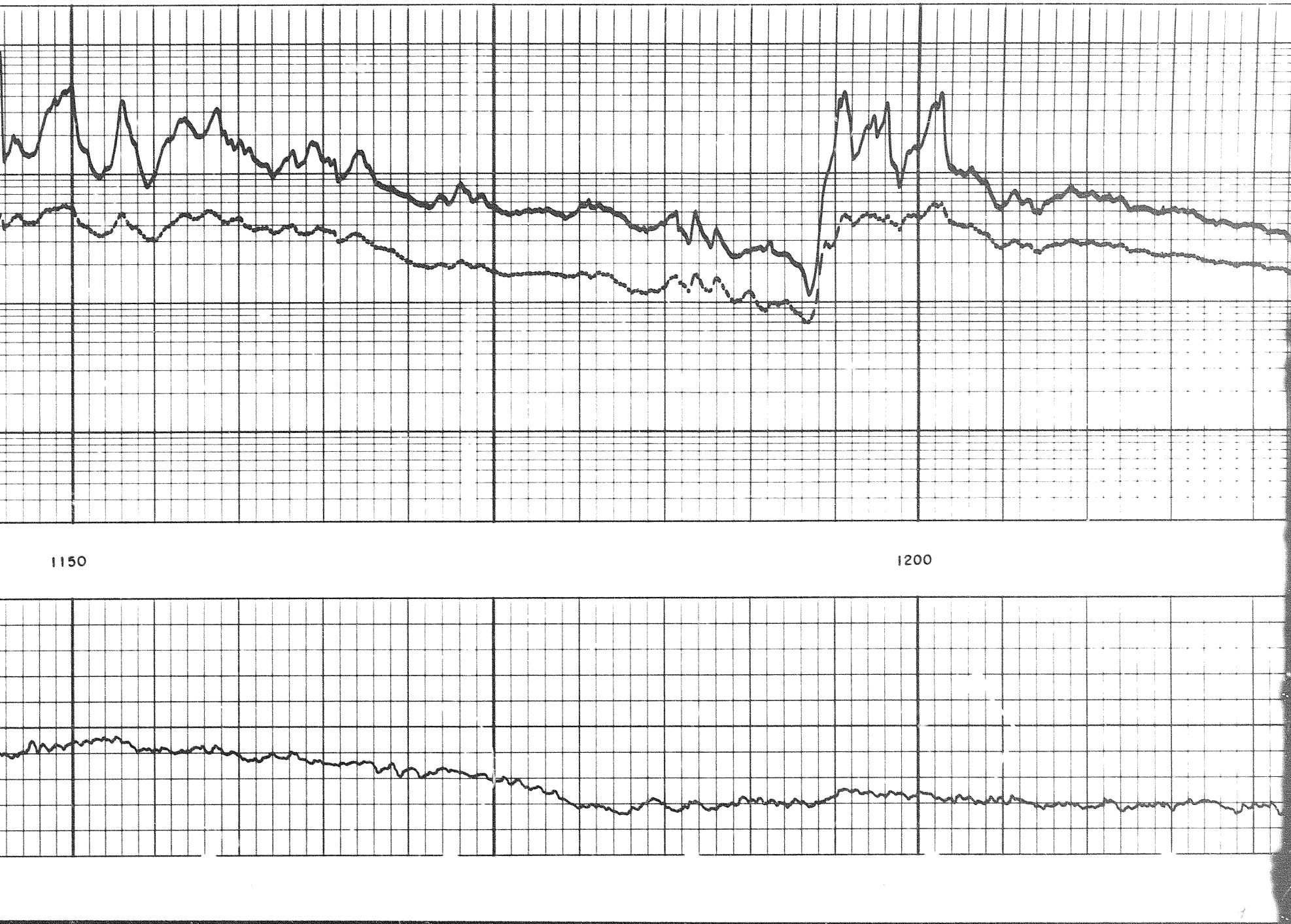
CASING SHOE

1050

18

1100

1150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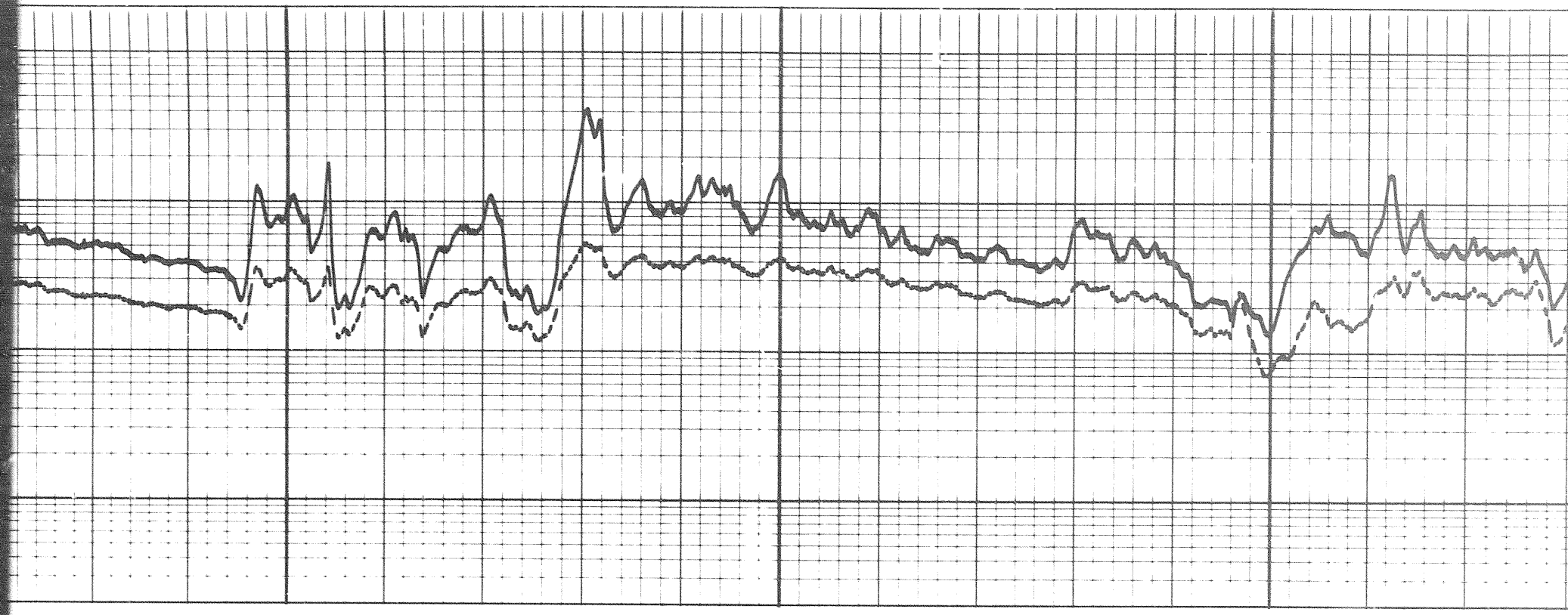

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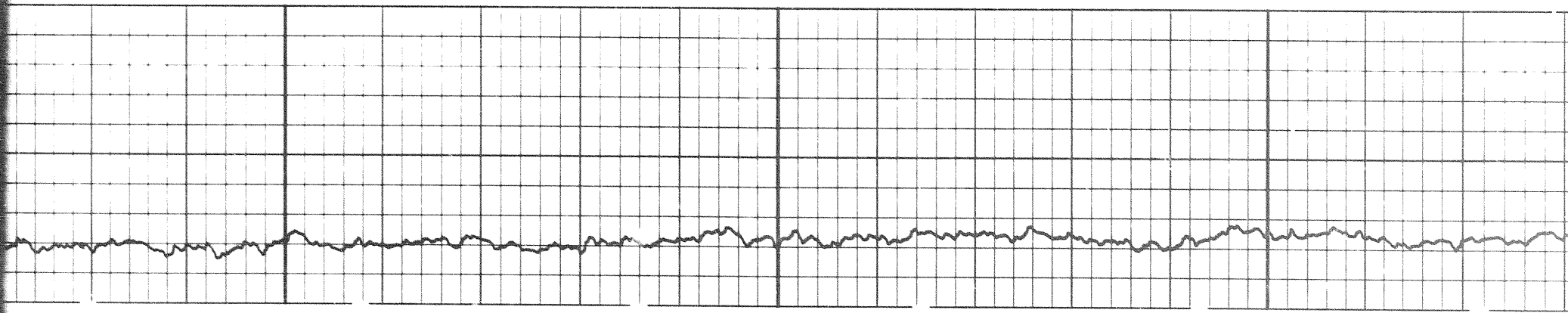

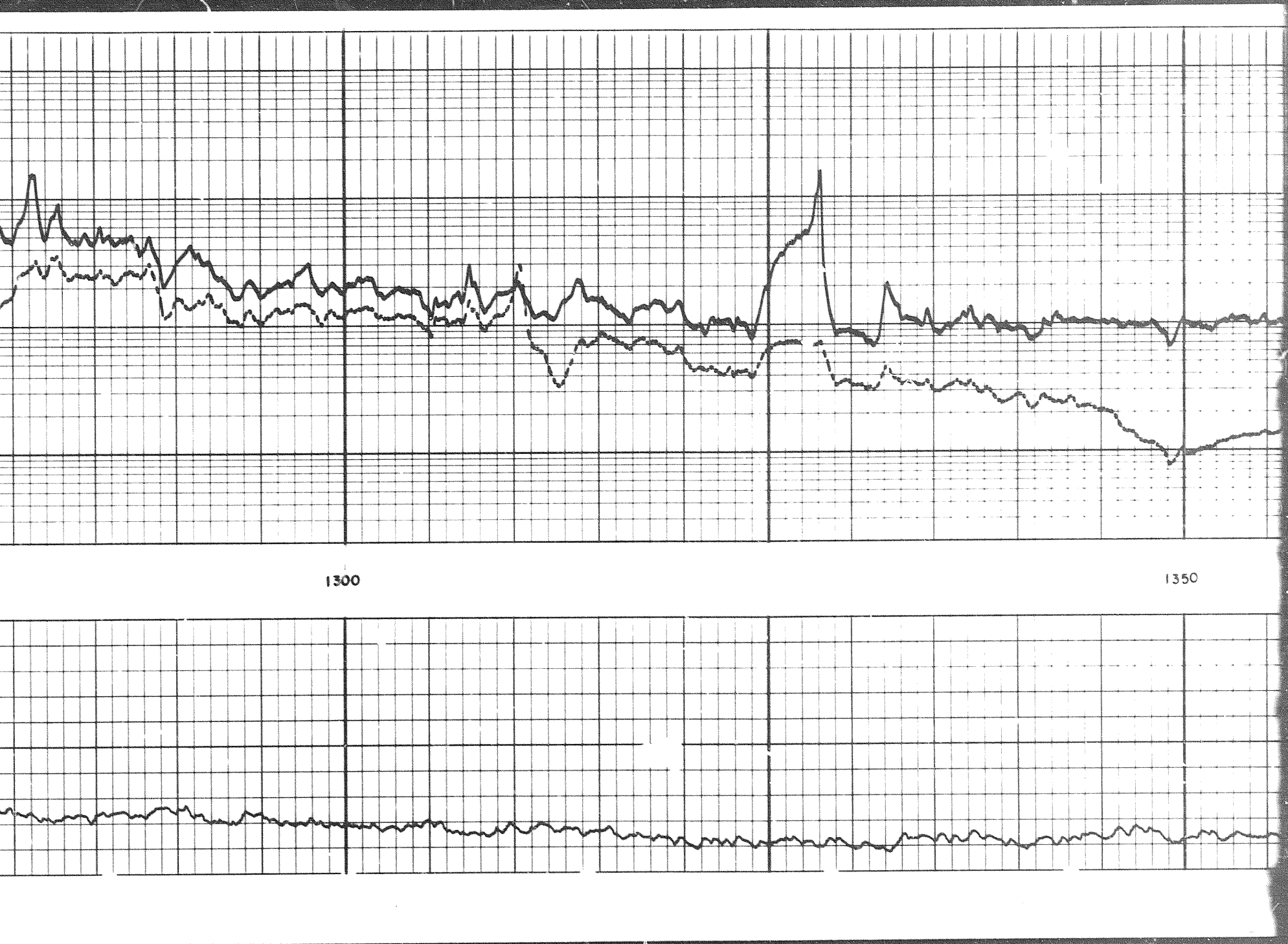

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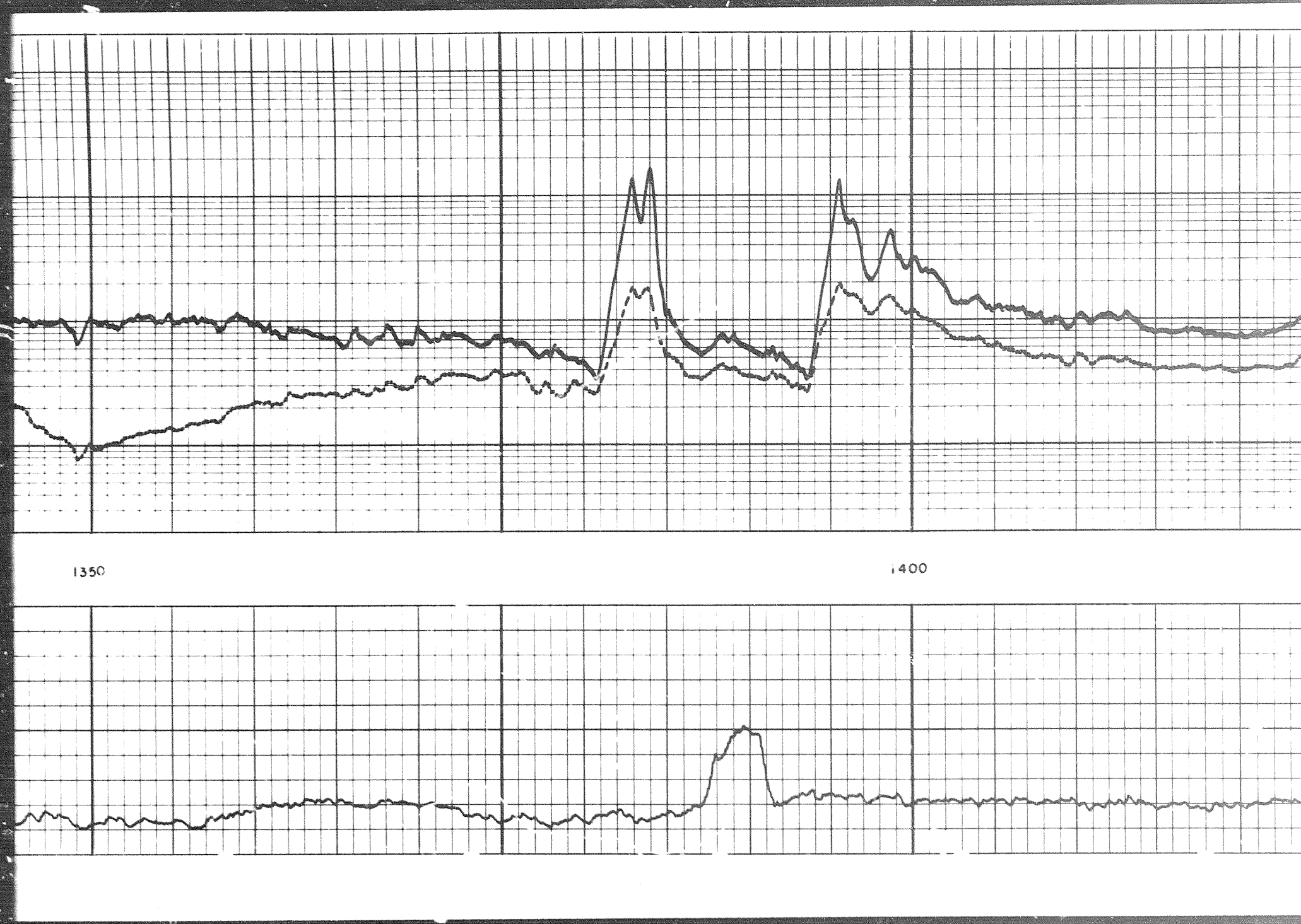
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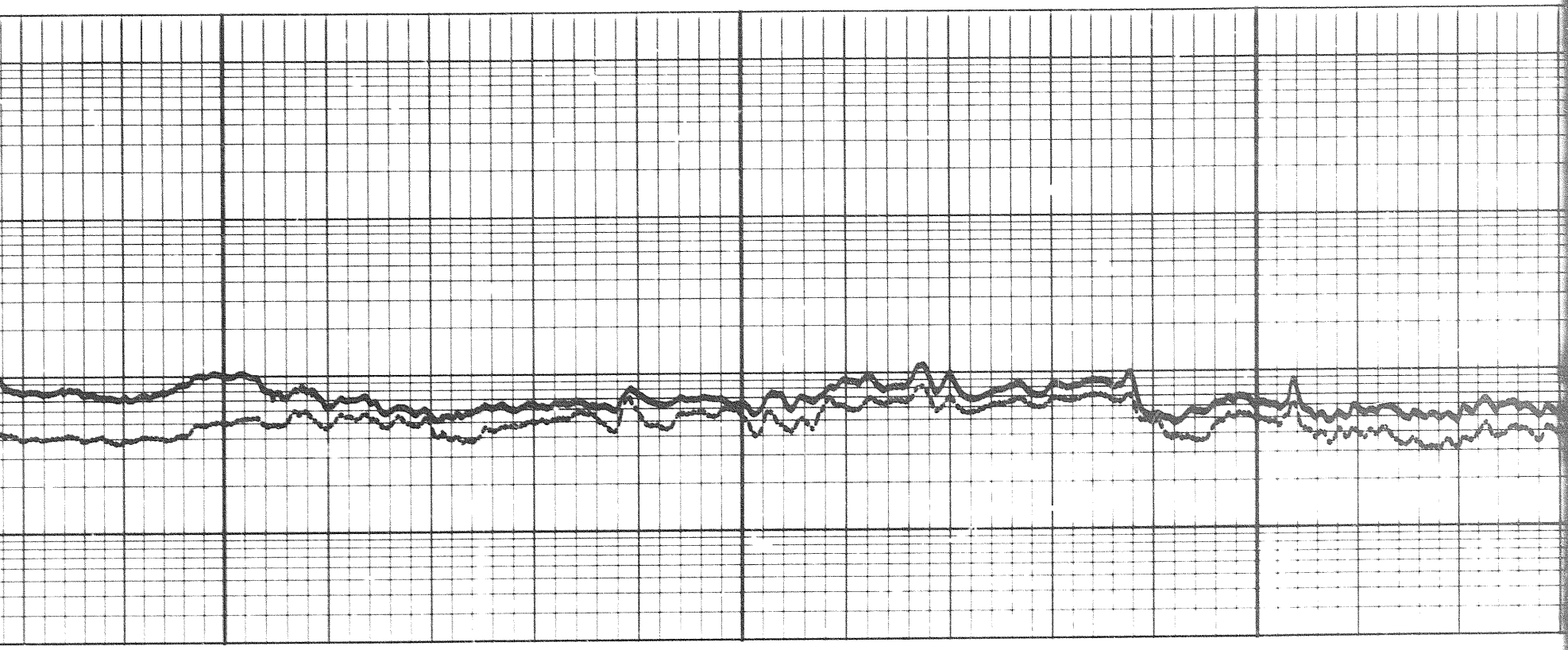

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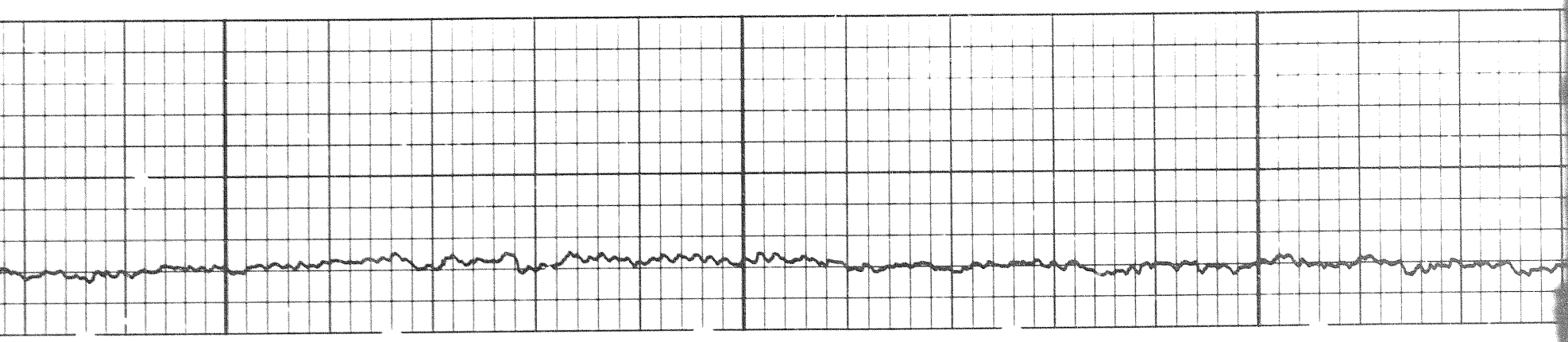

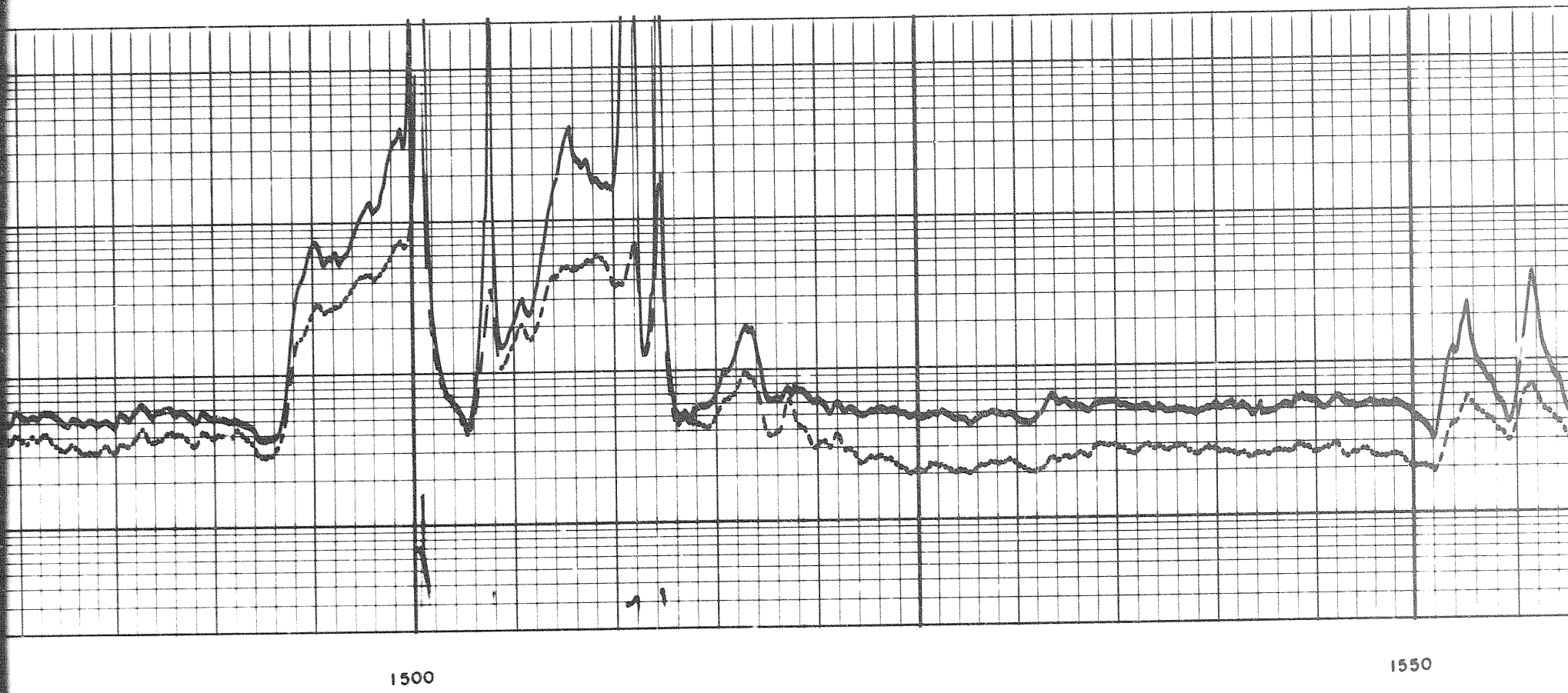
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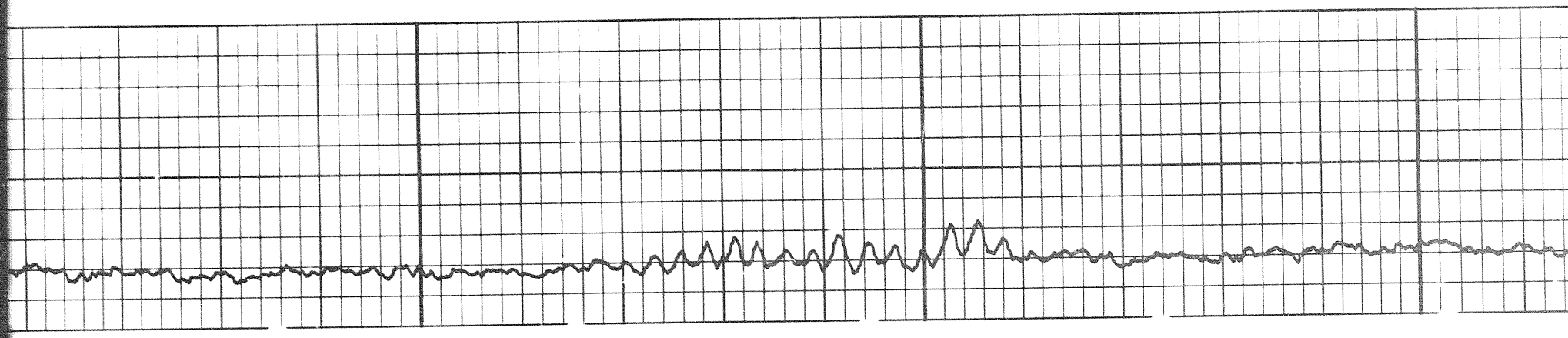

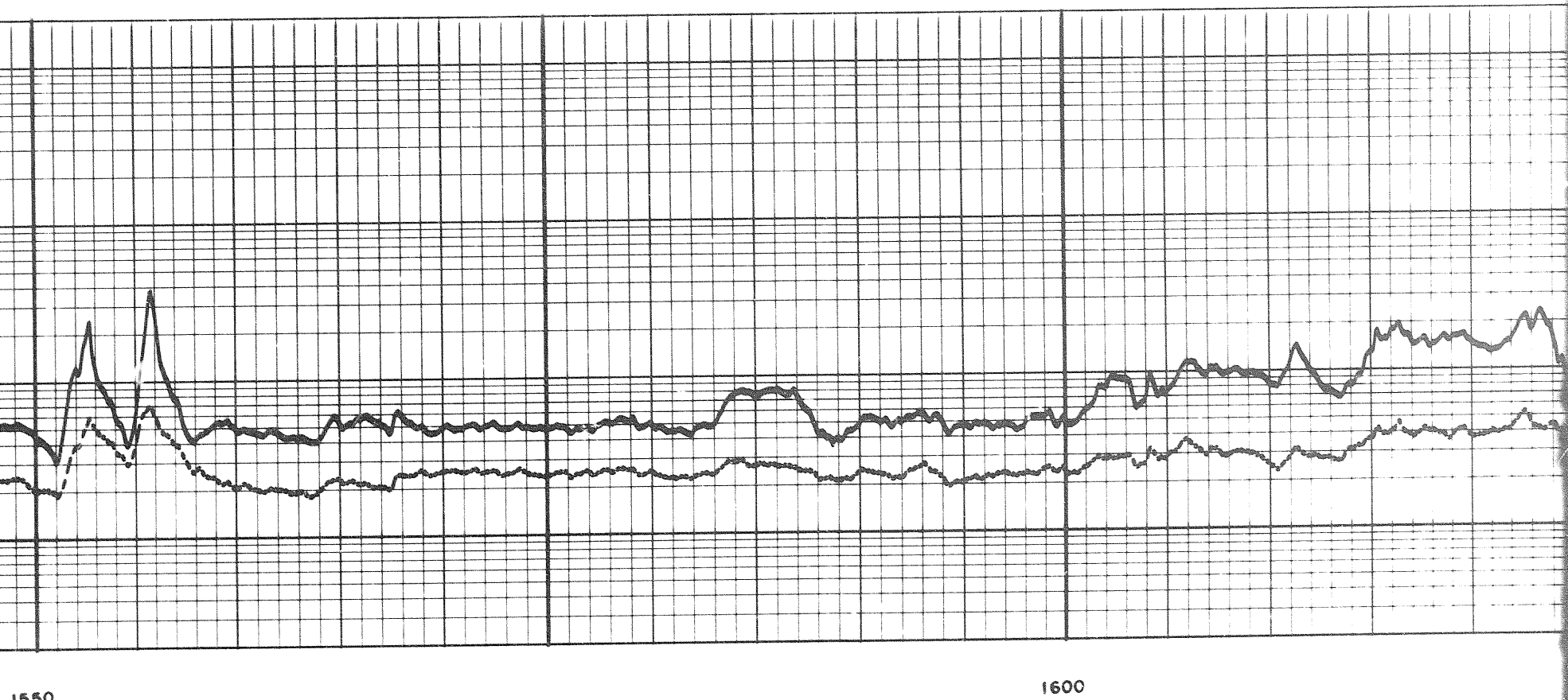

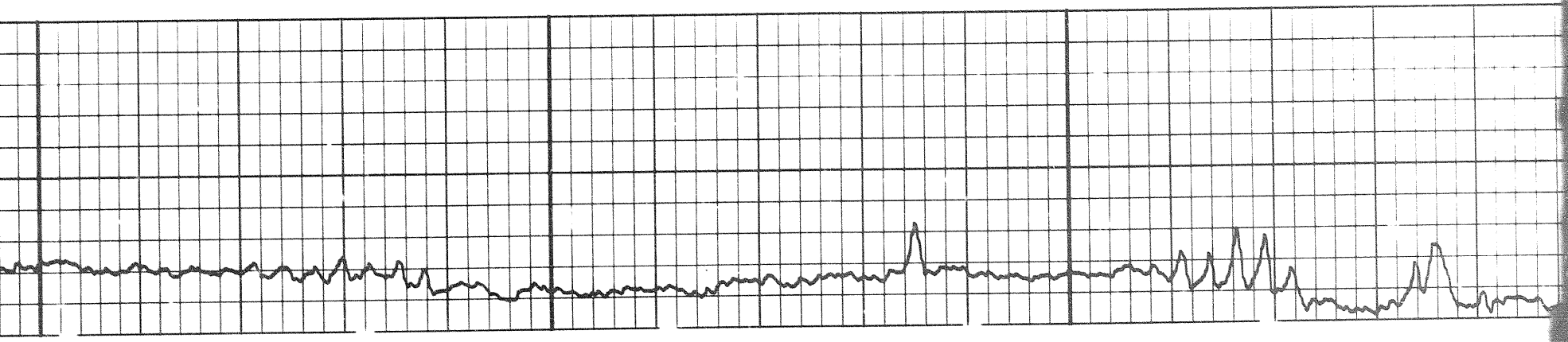

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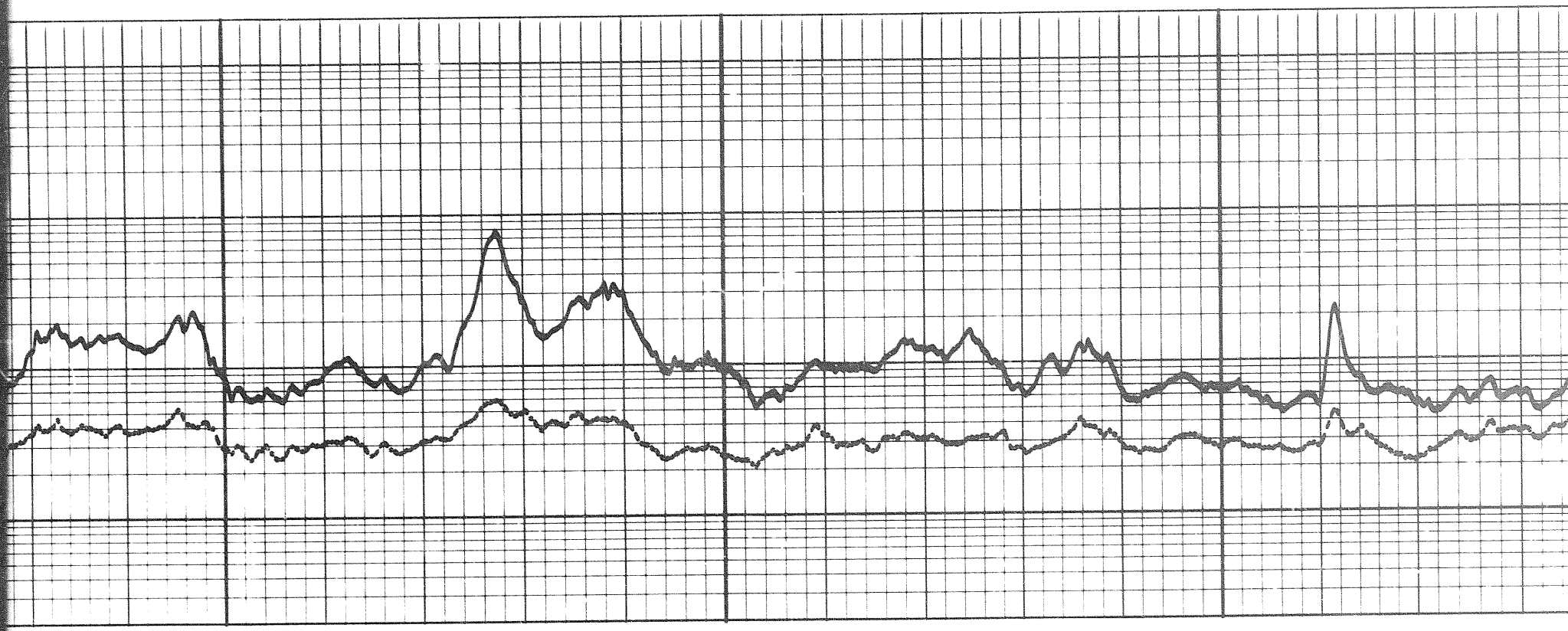

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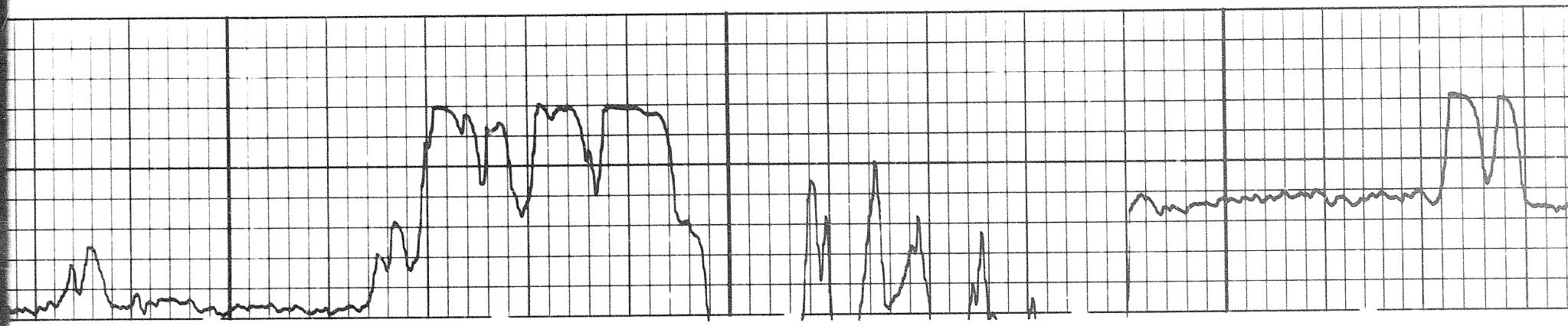

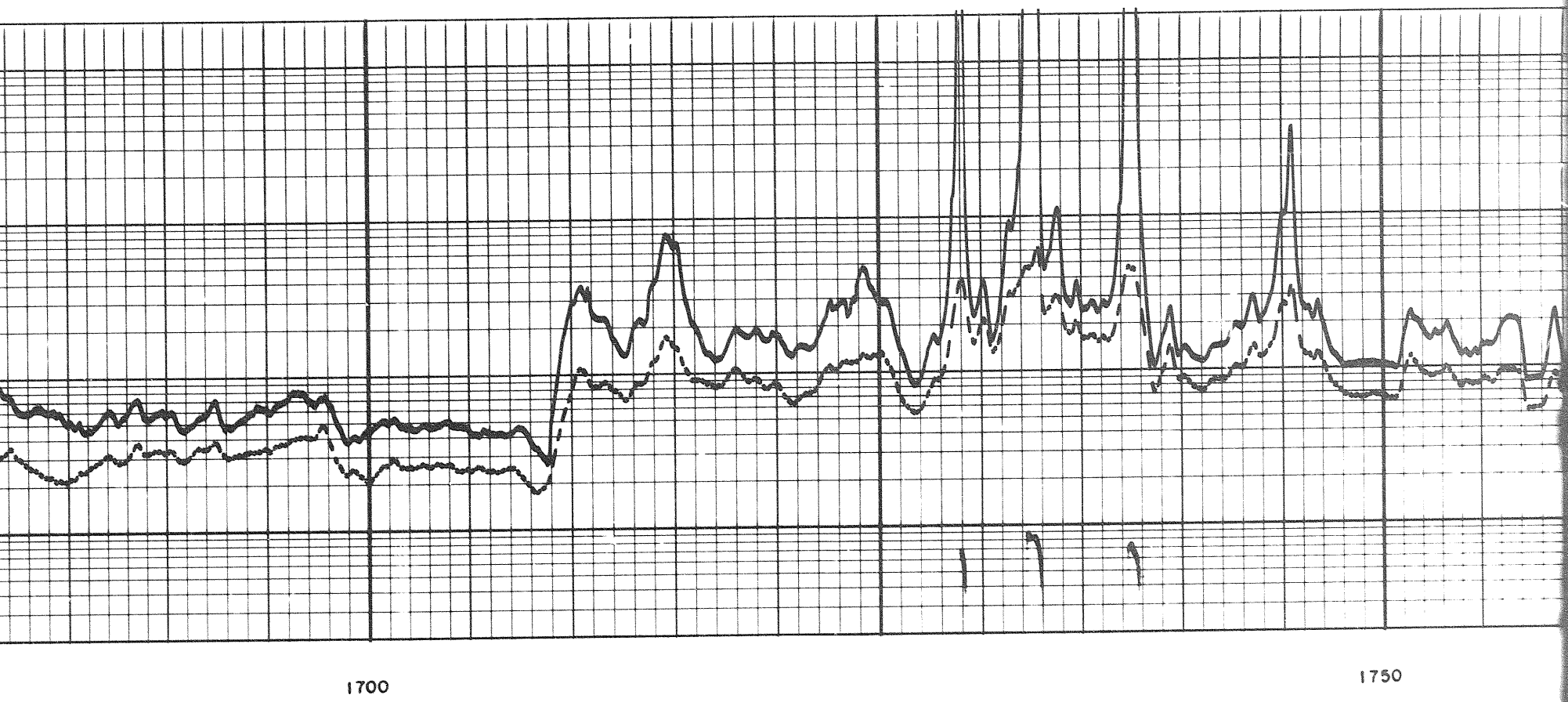
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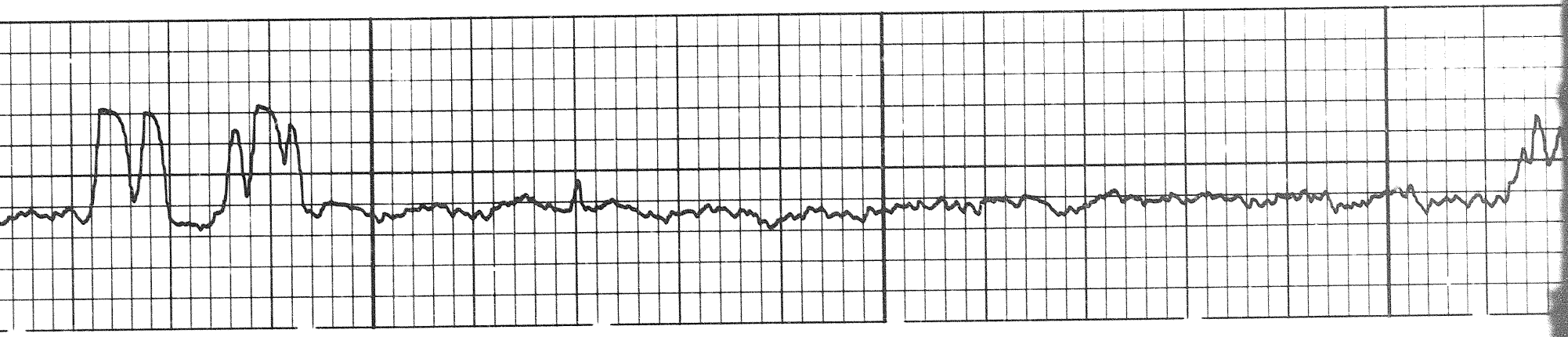

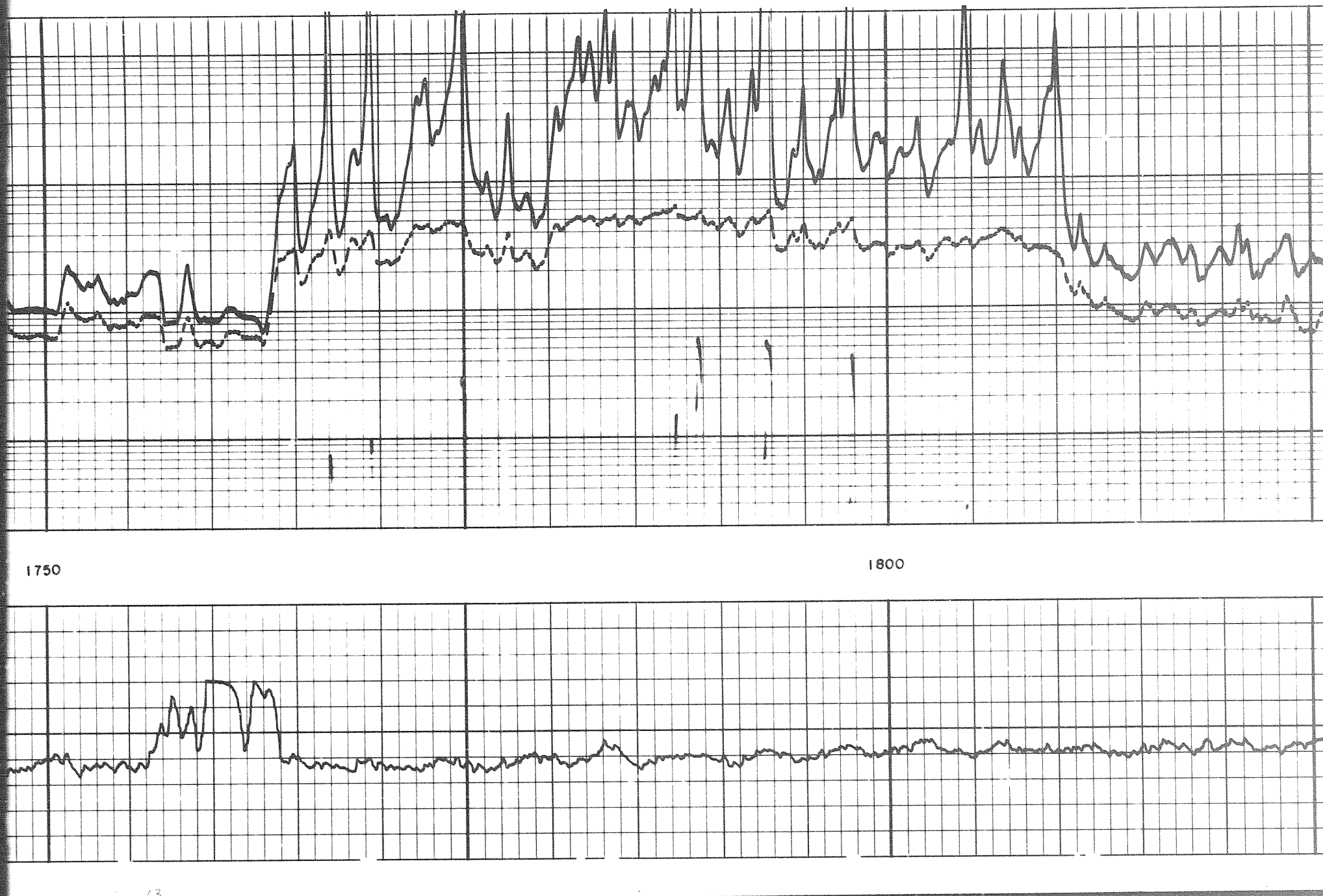
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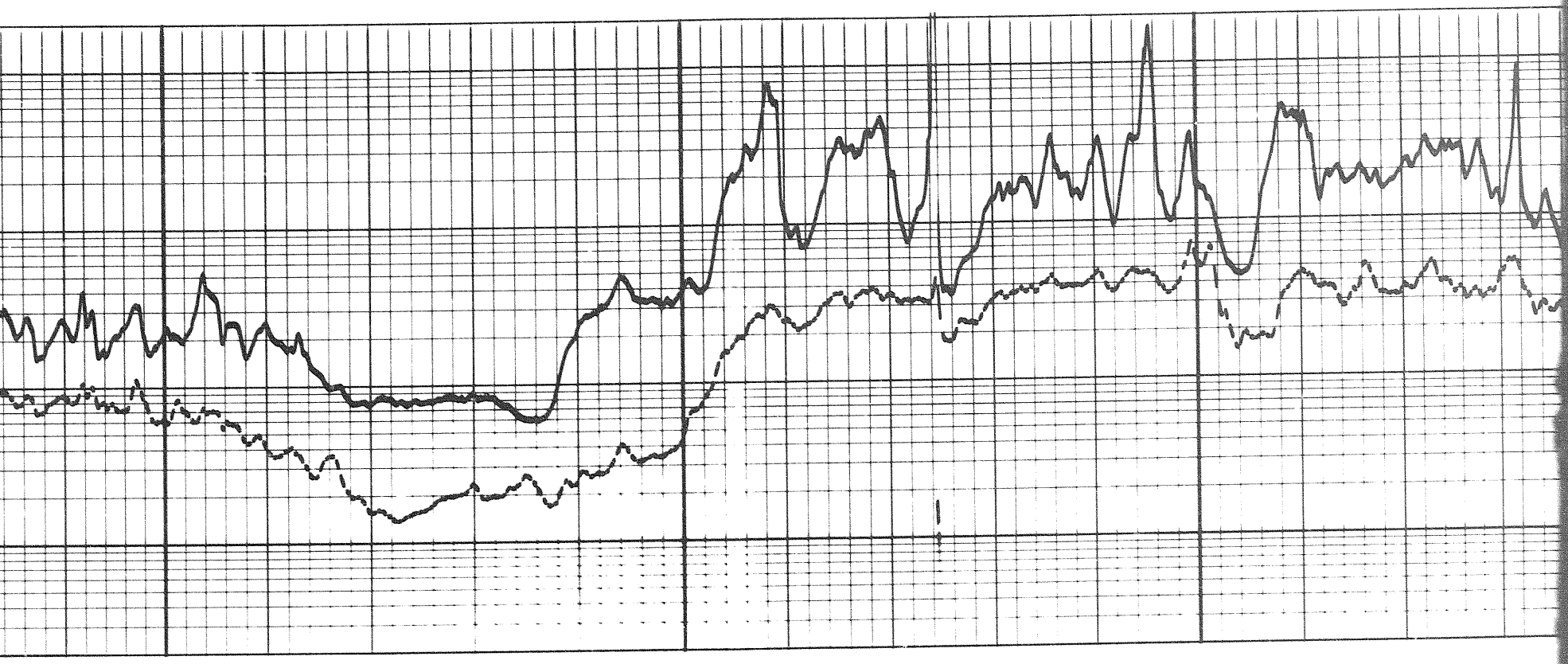

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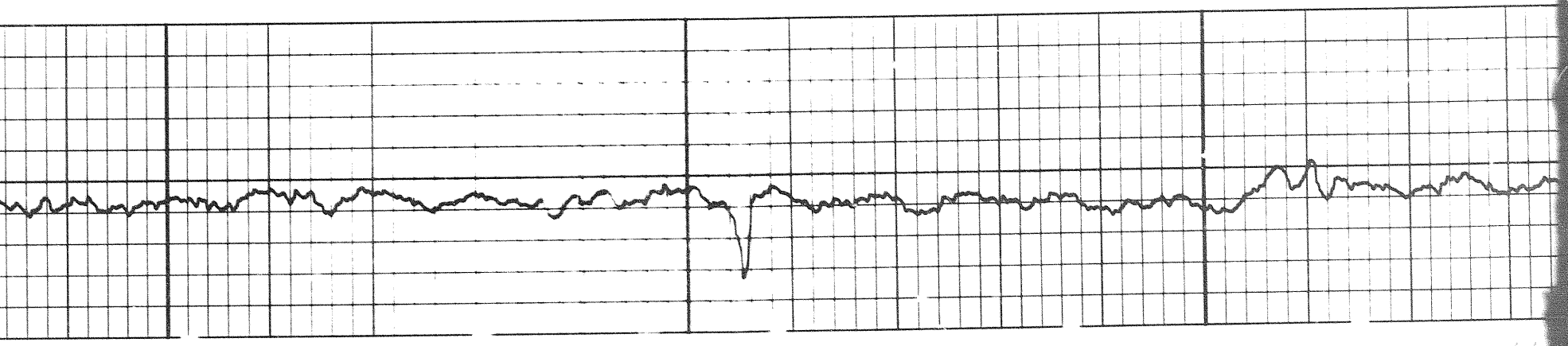
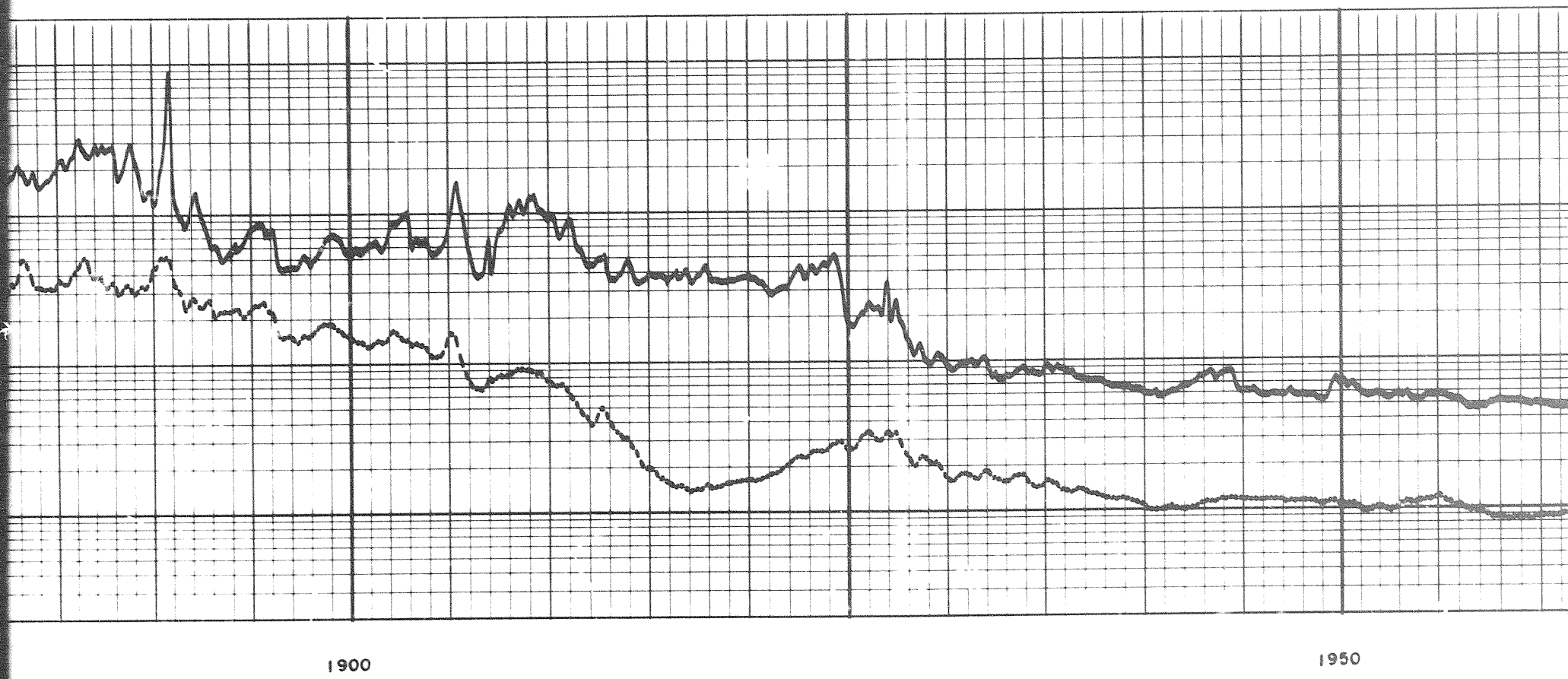
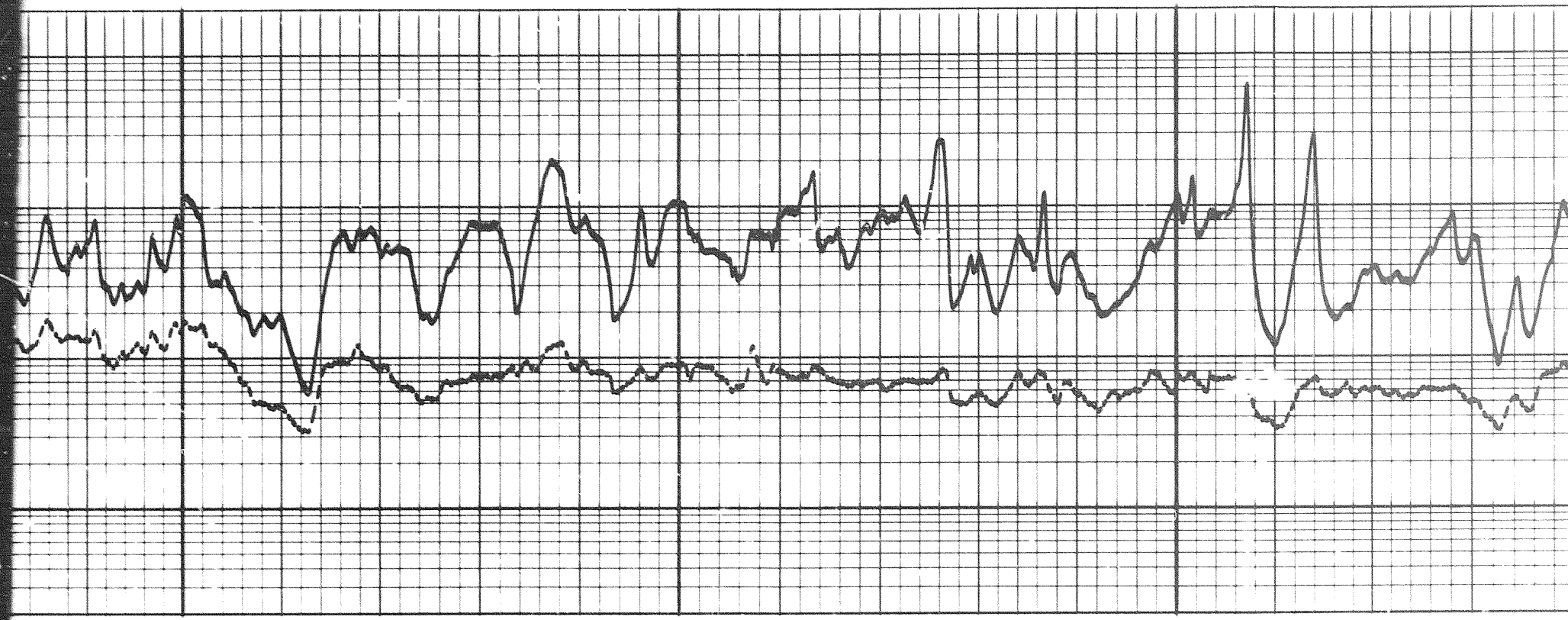



1900
1950

1951



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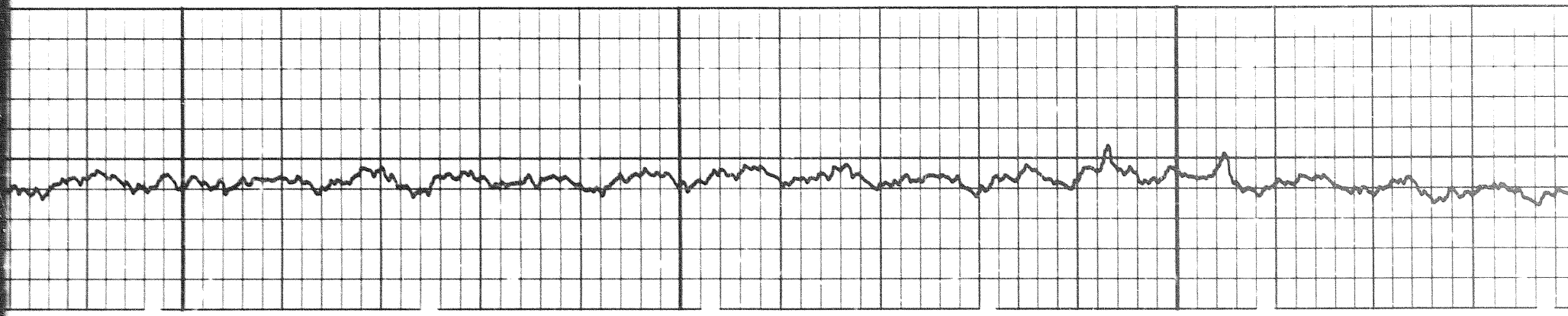

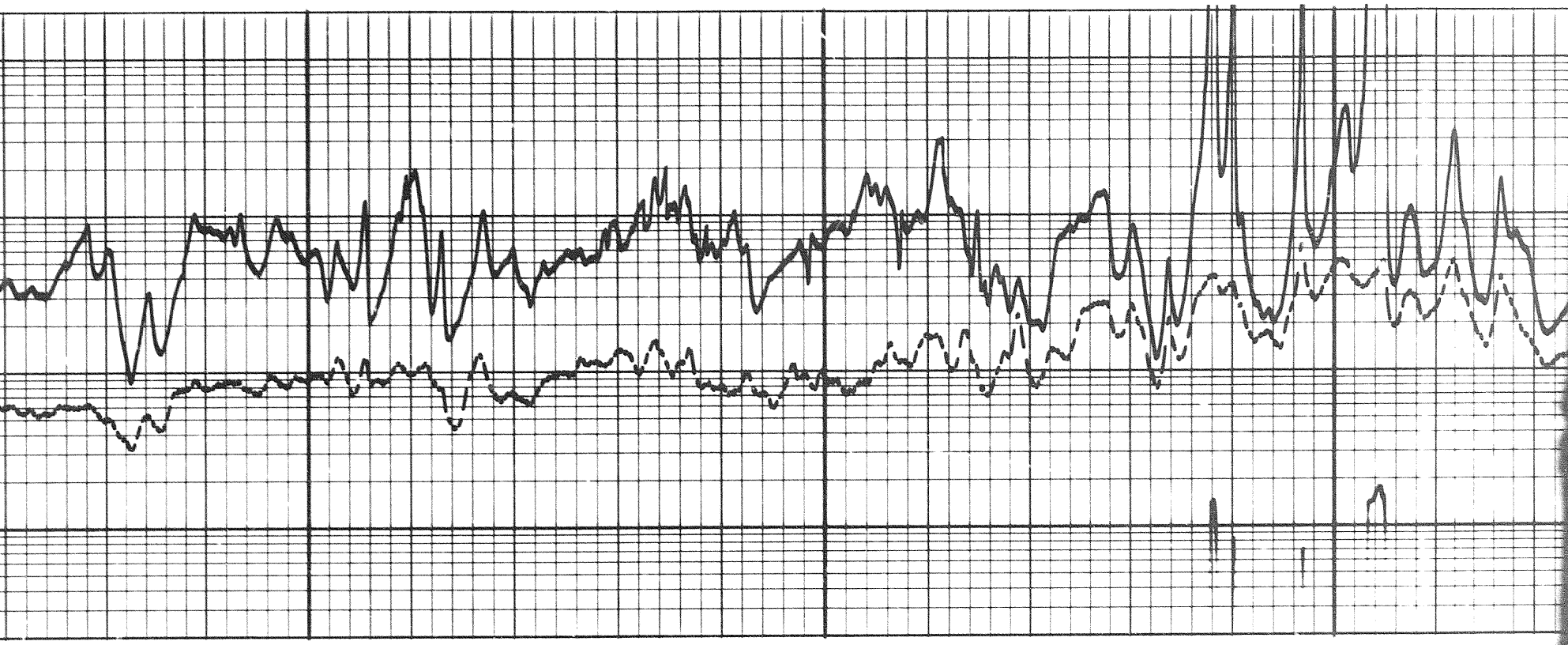

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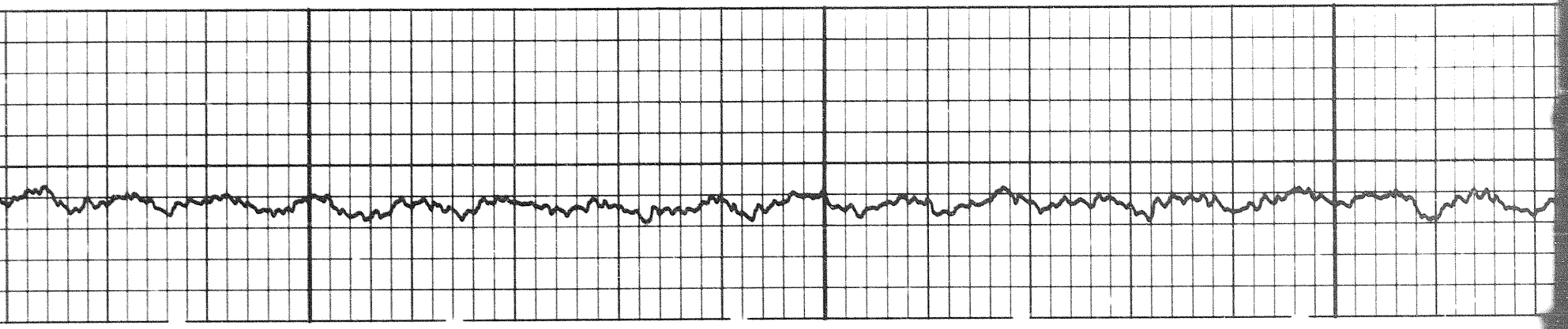

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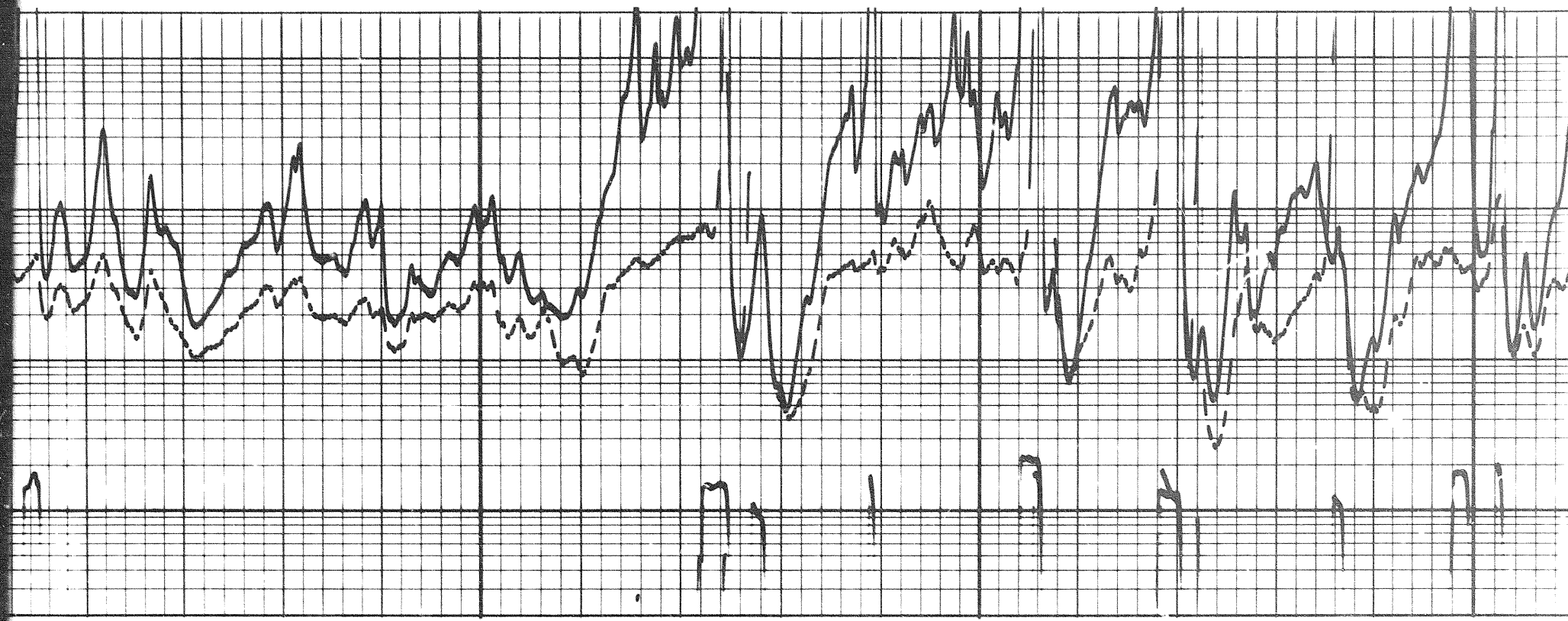

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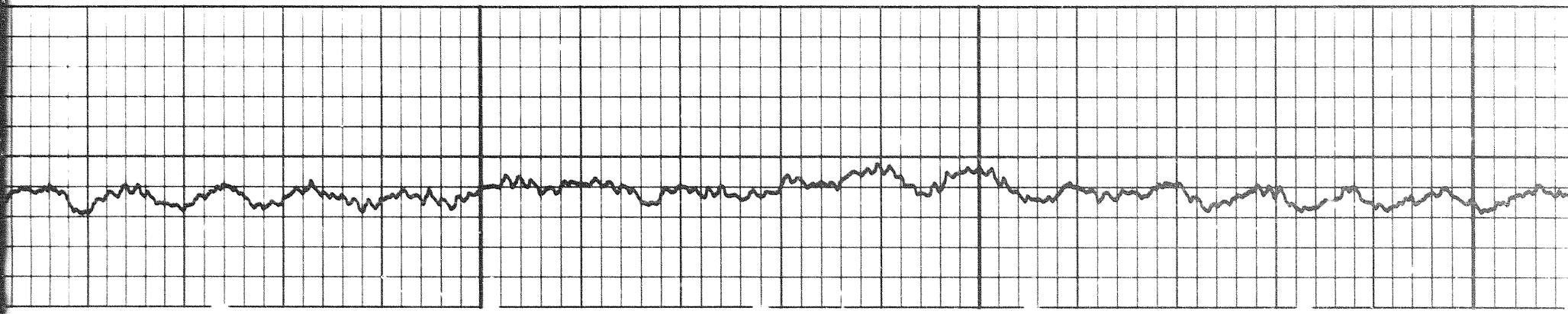

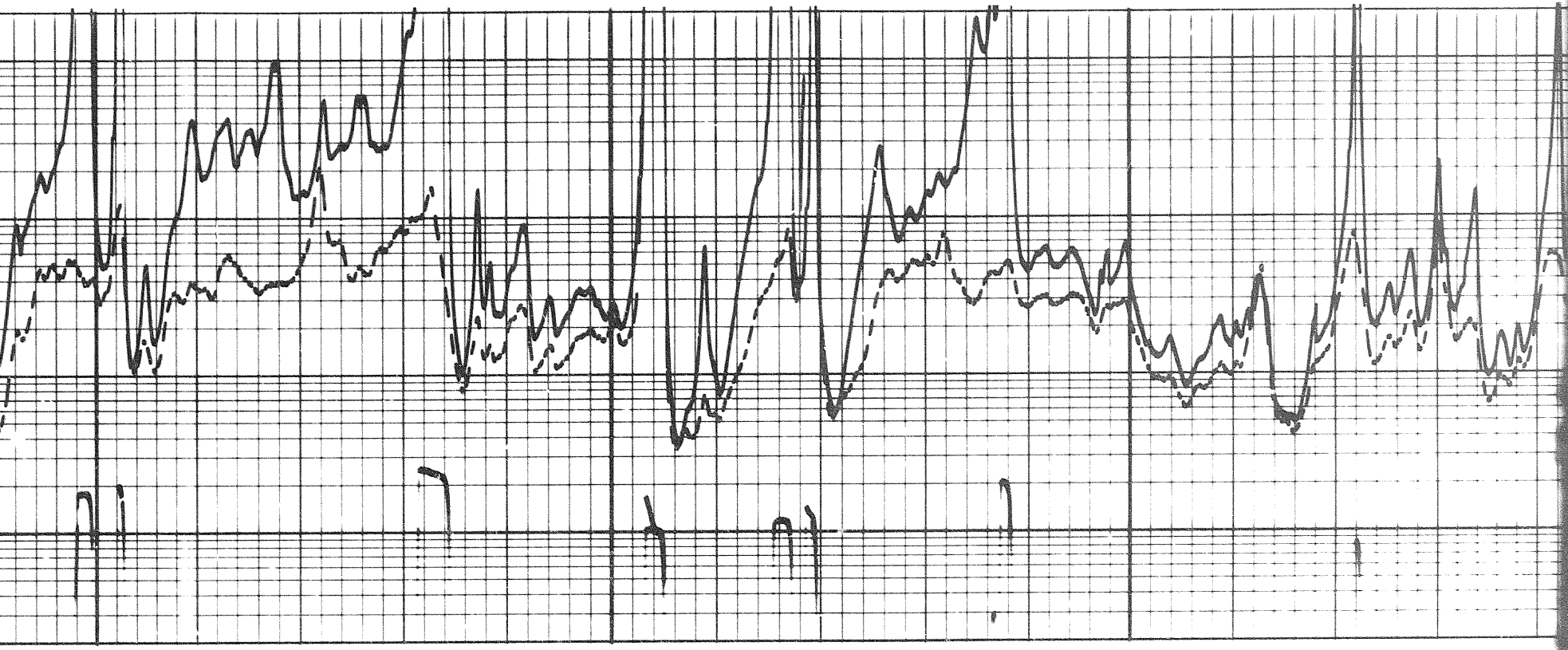

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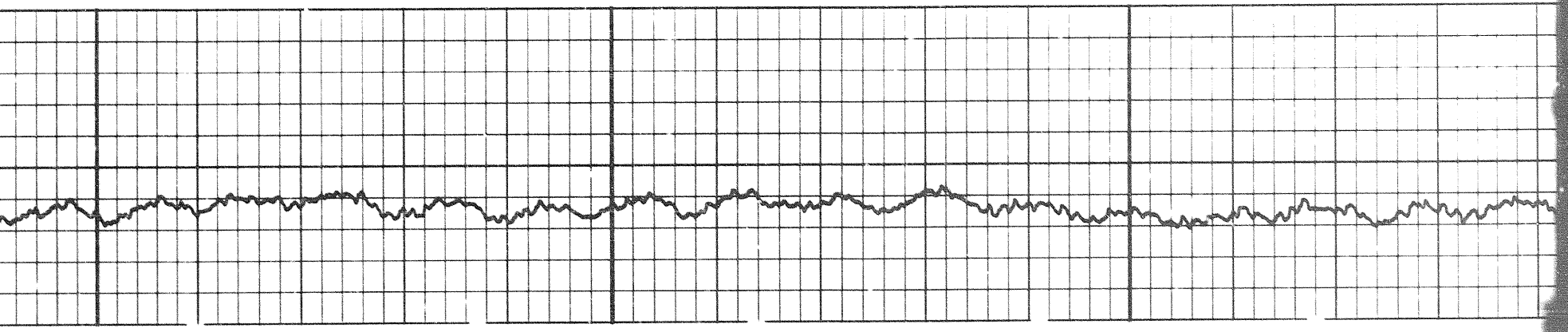


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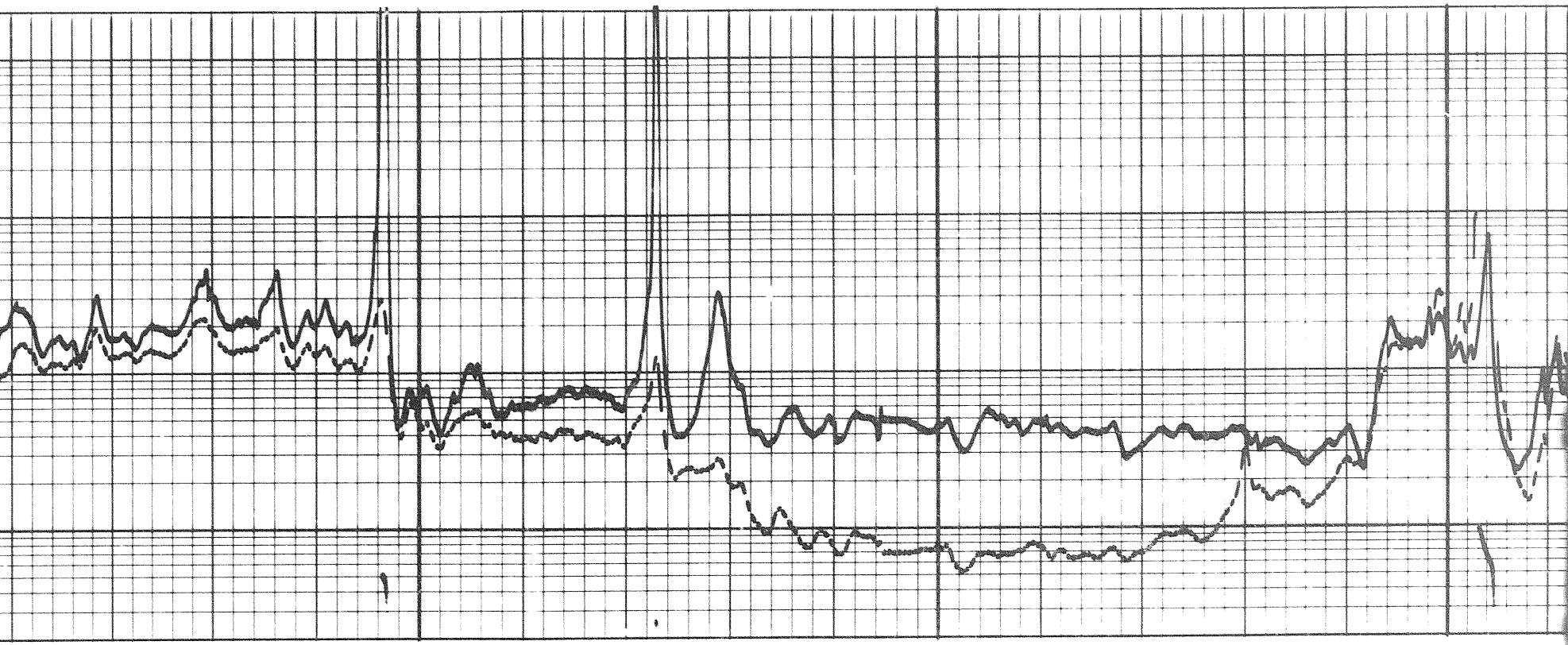

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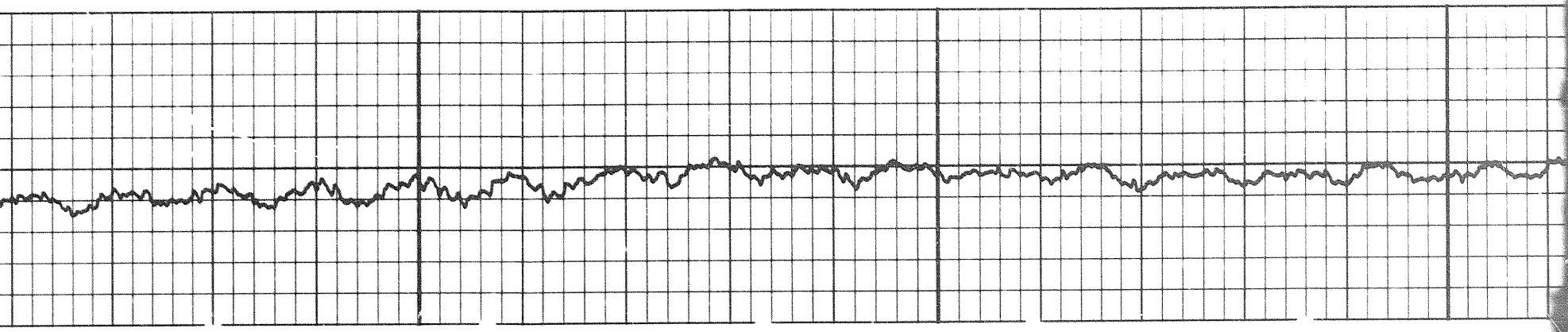

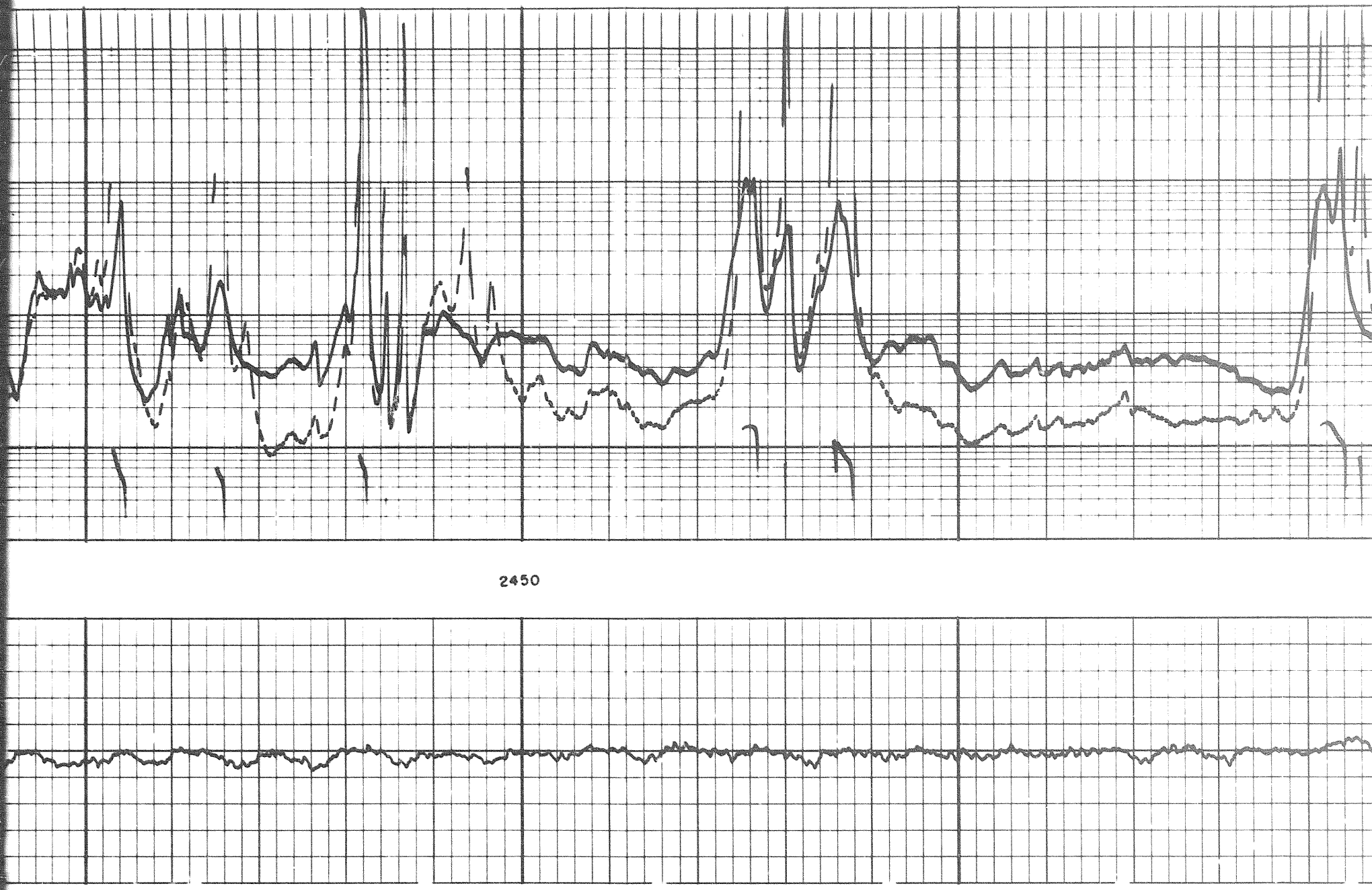

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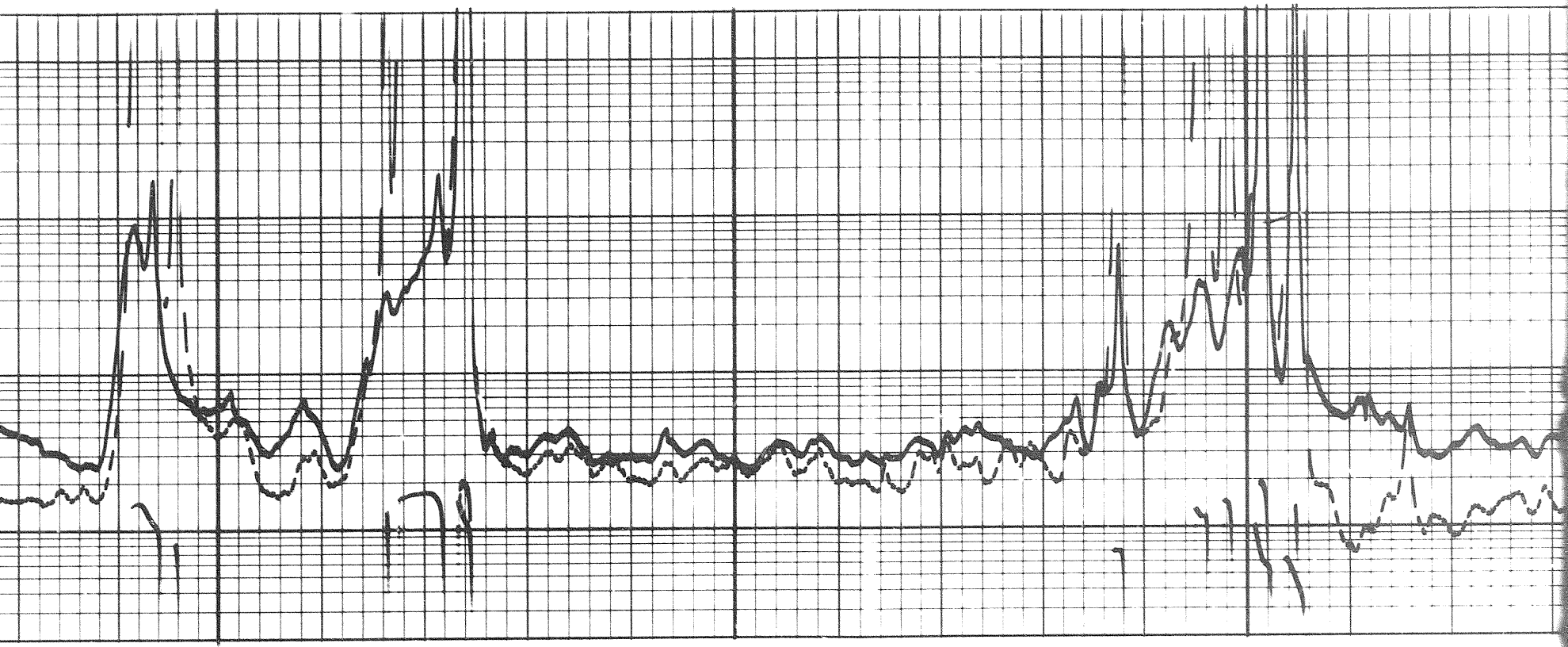

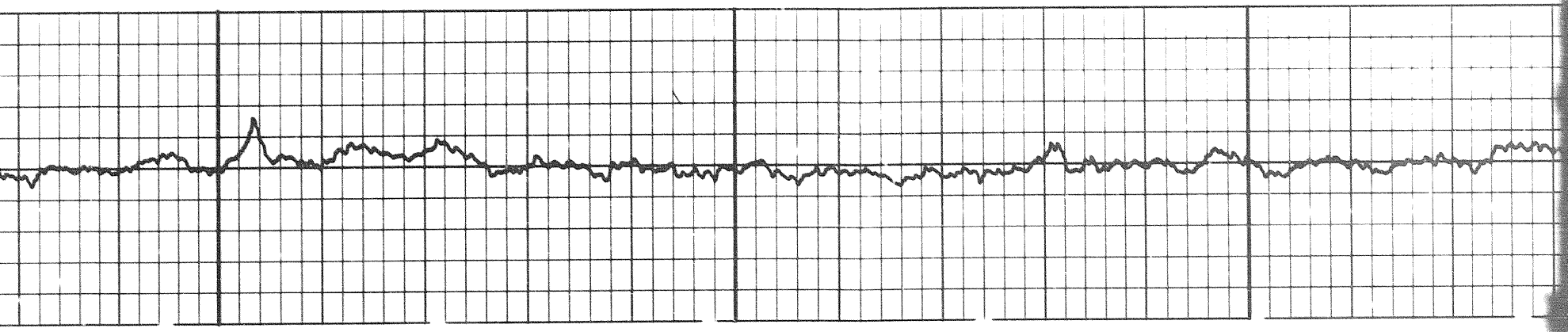

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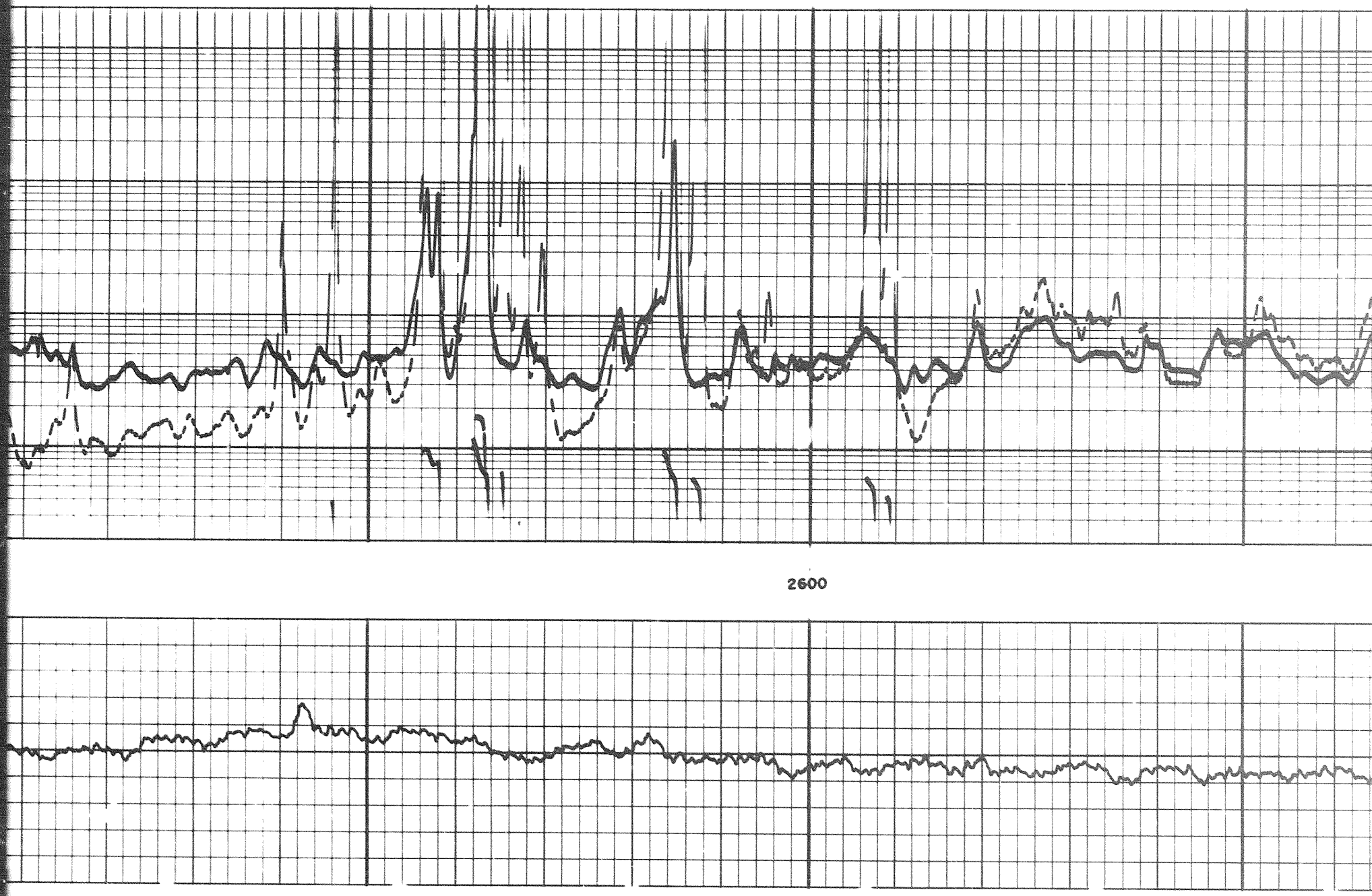

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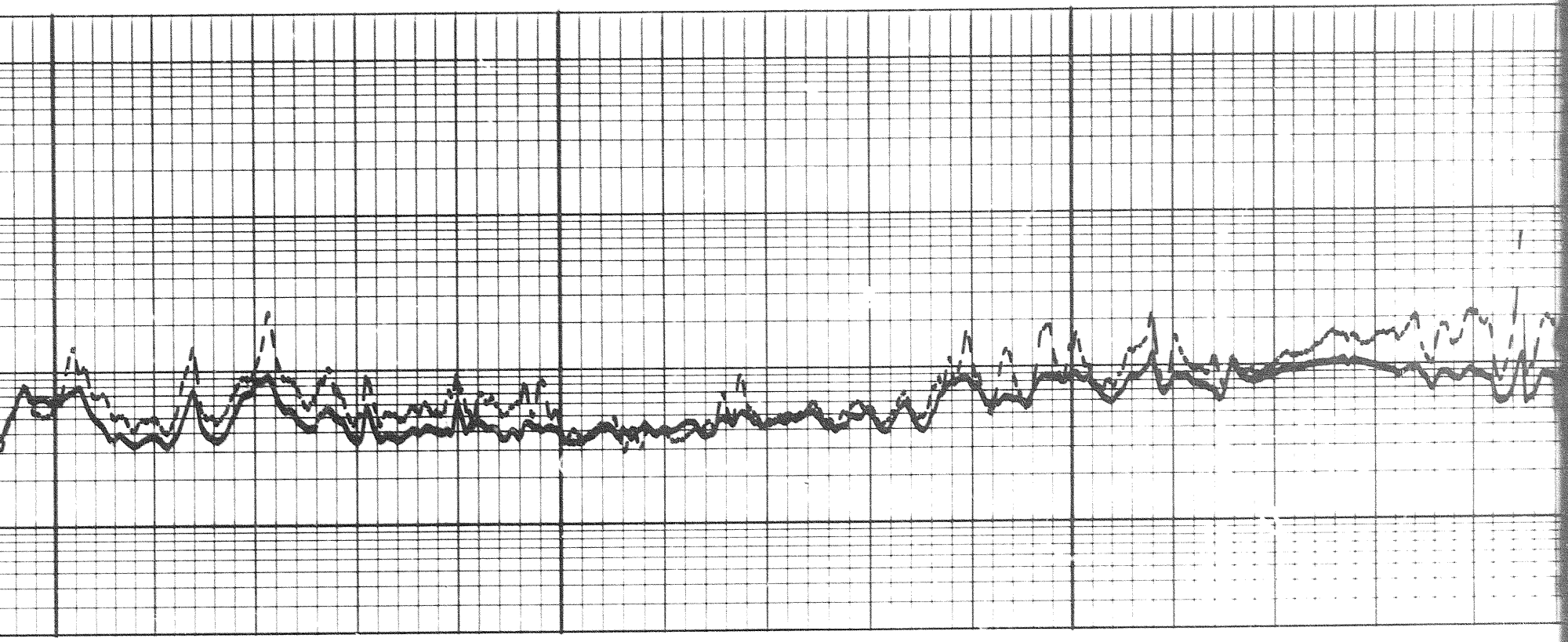

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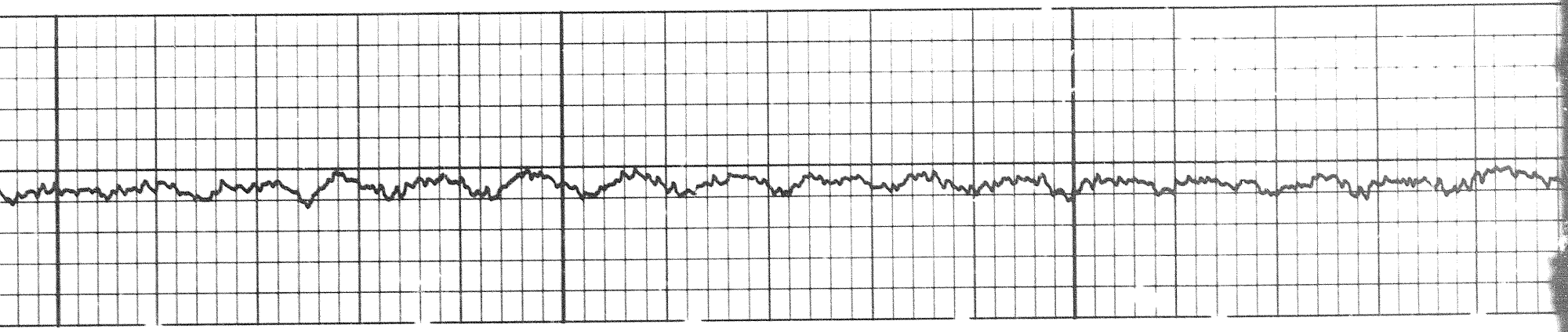

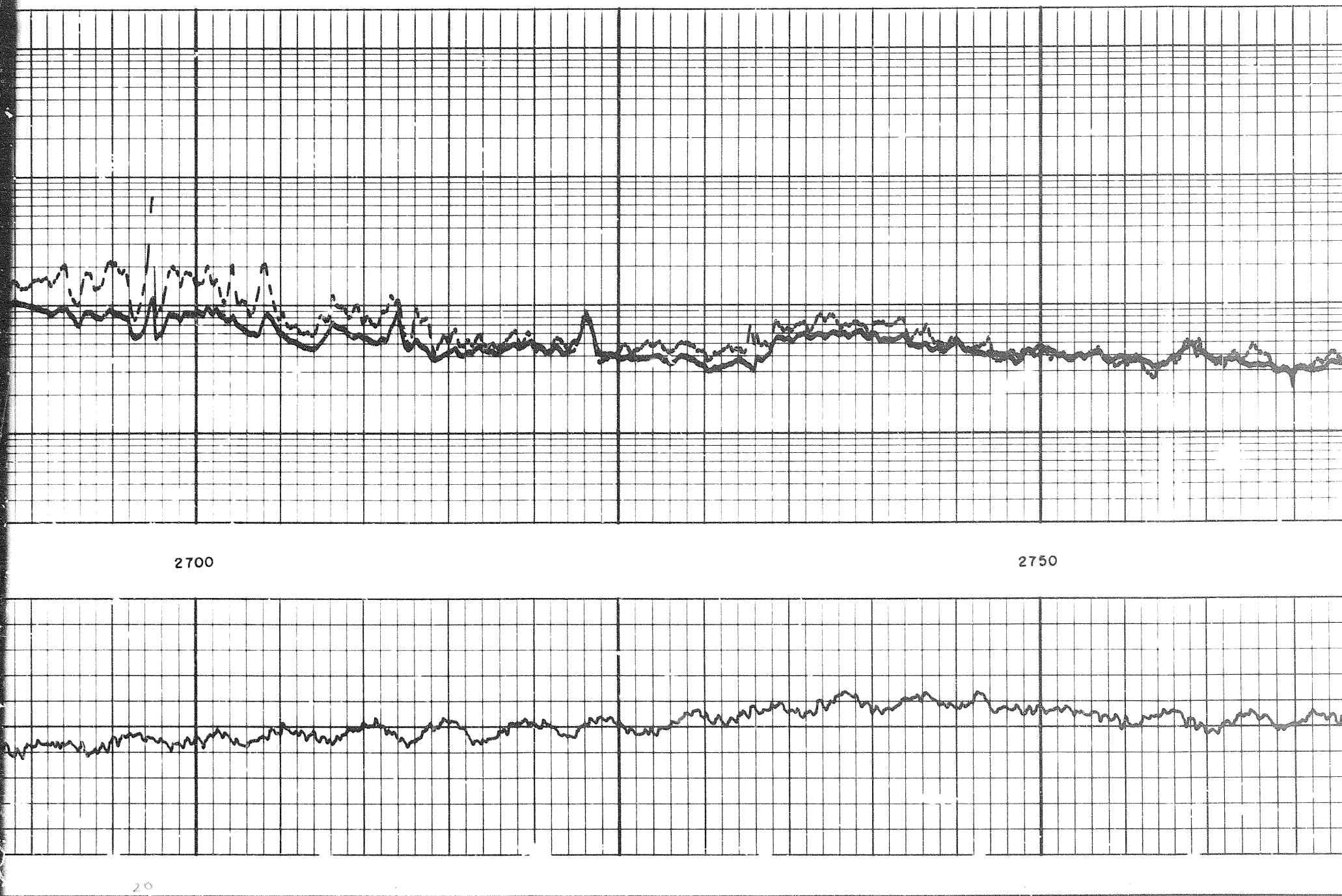
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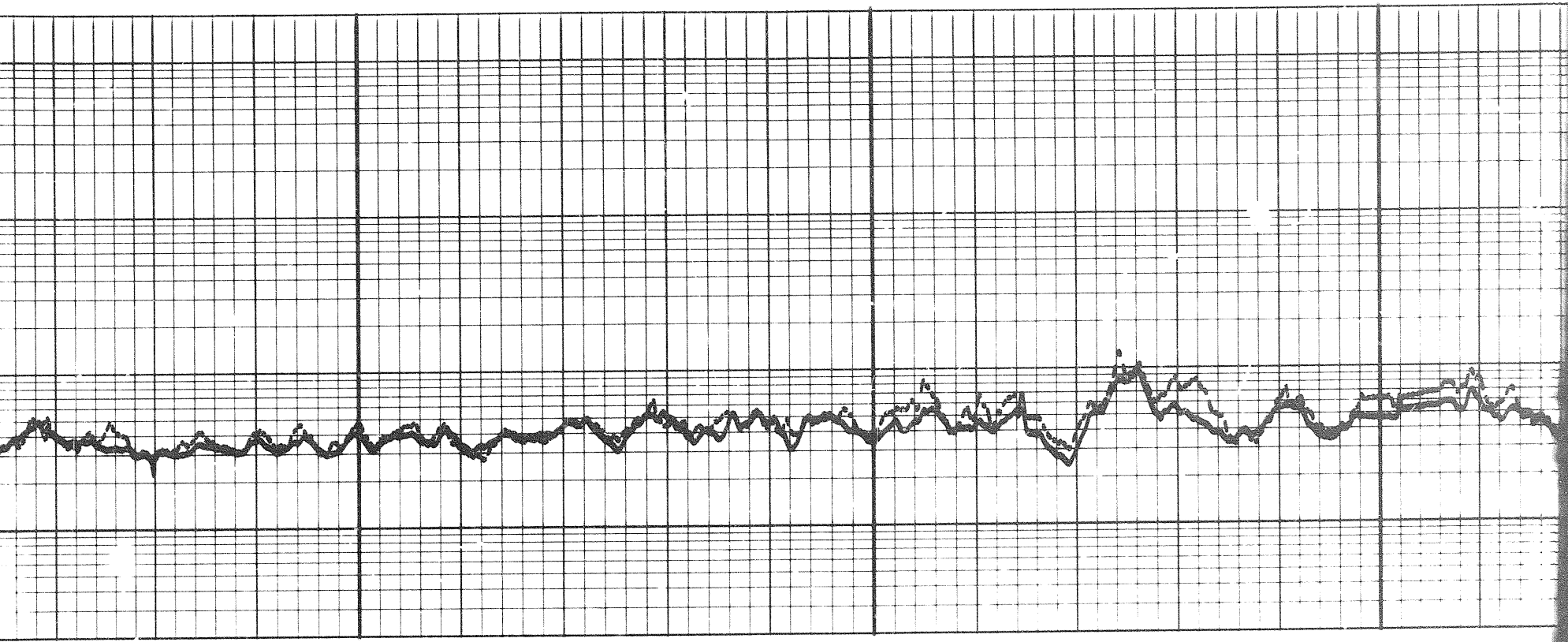

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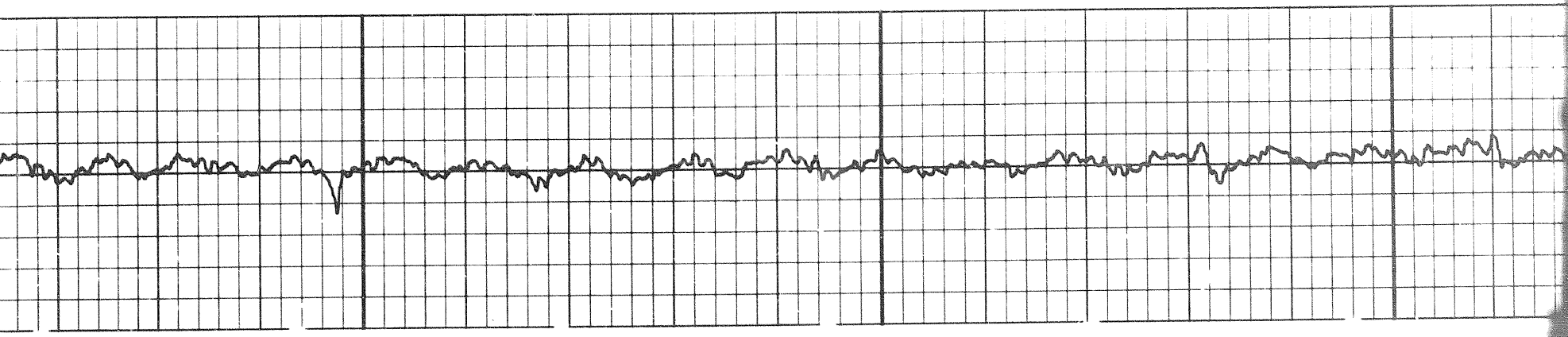

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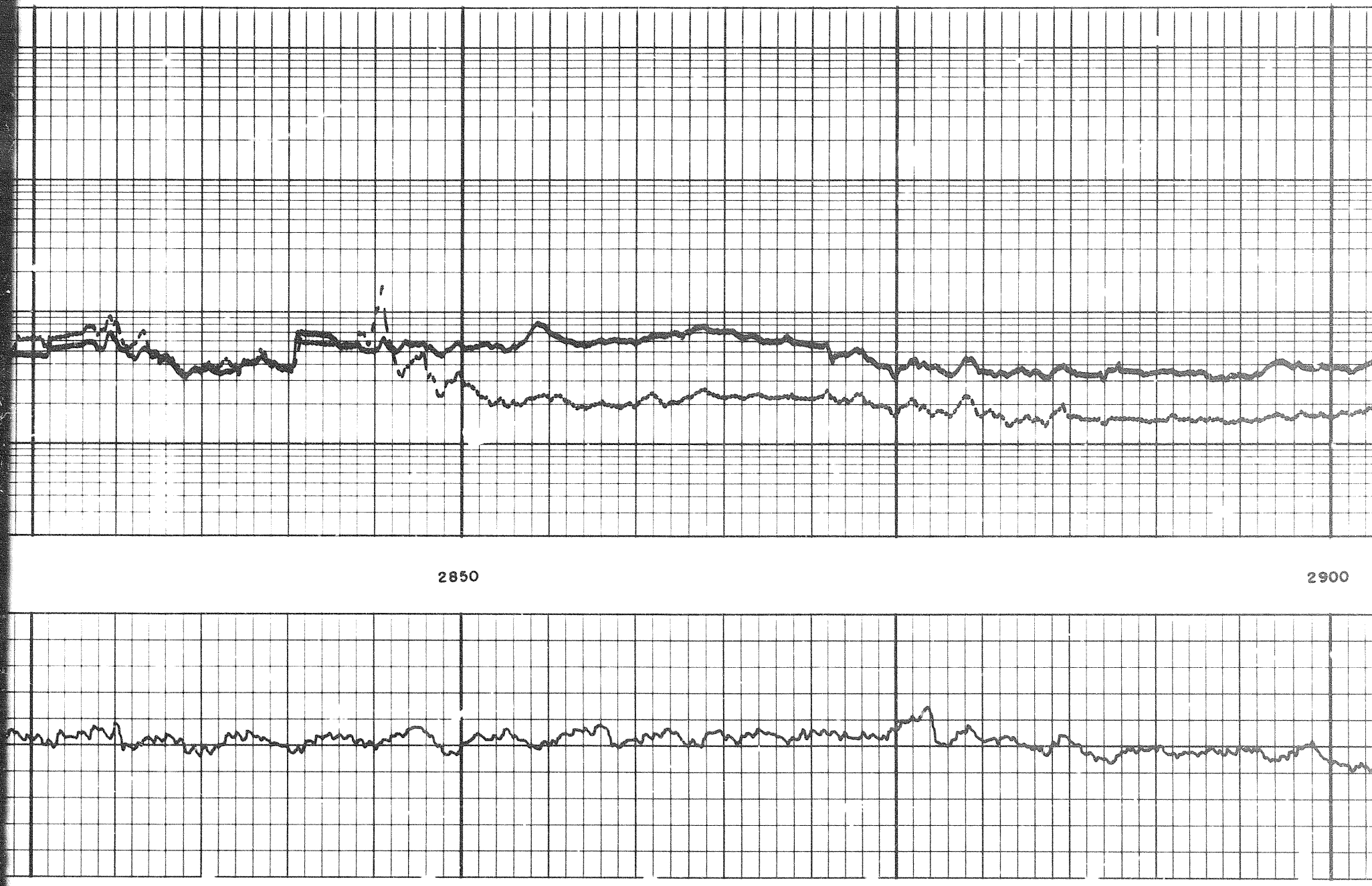
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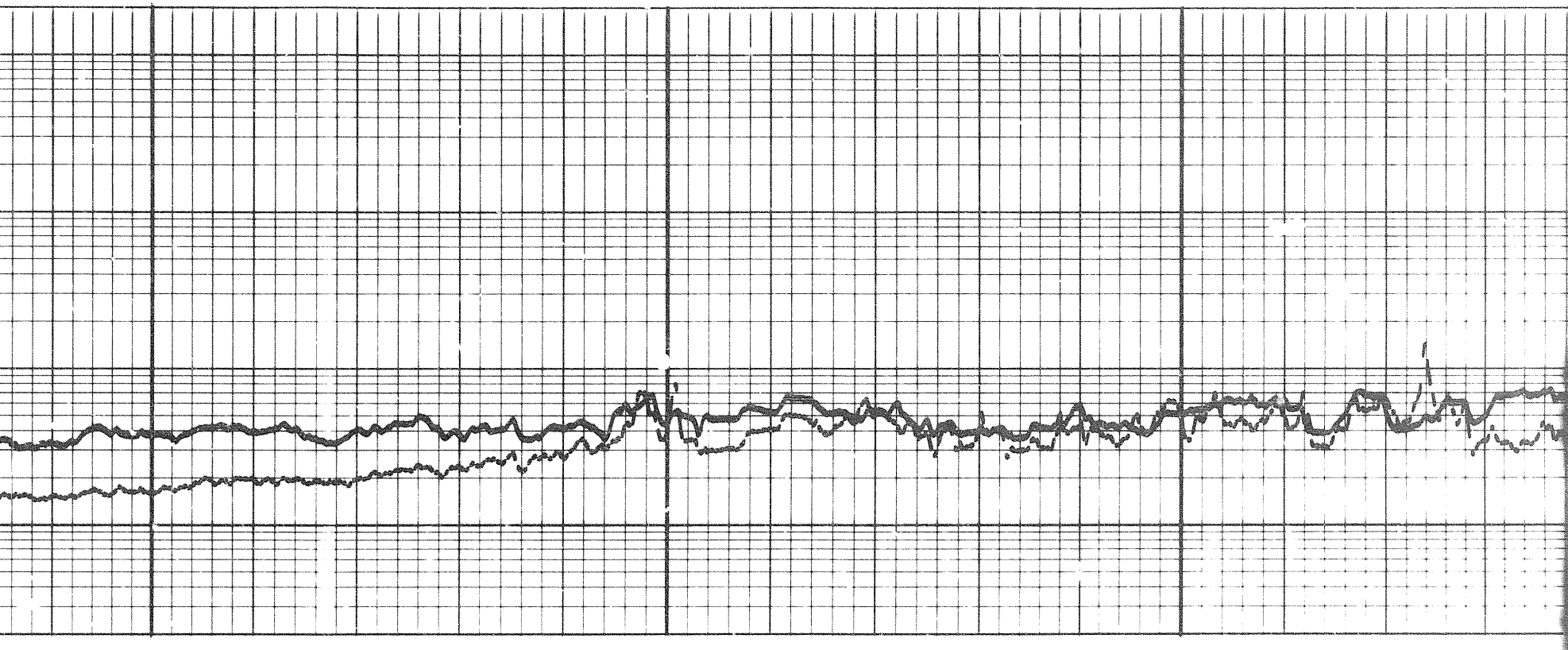

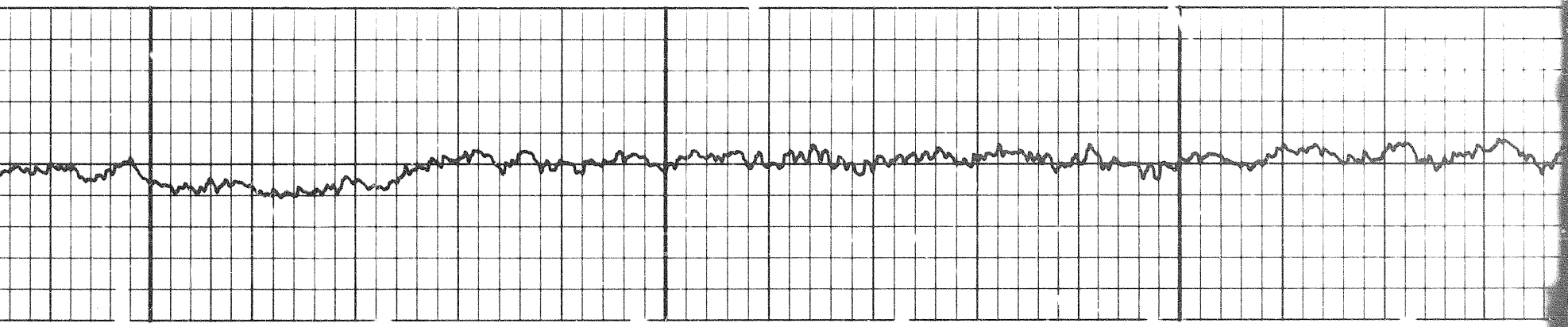

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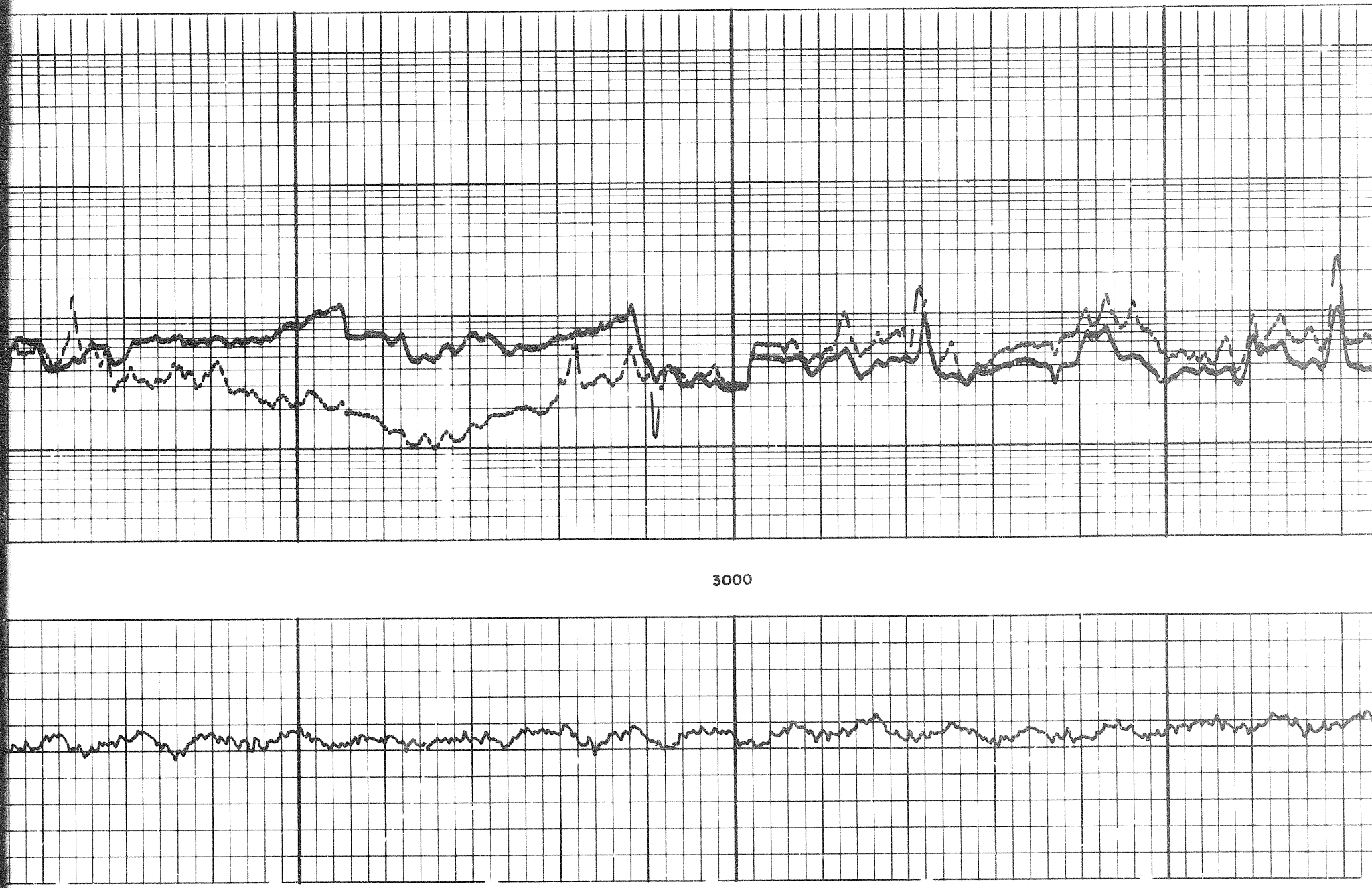

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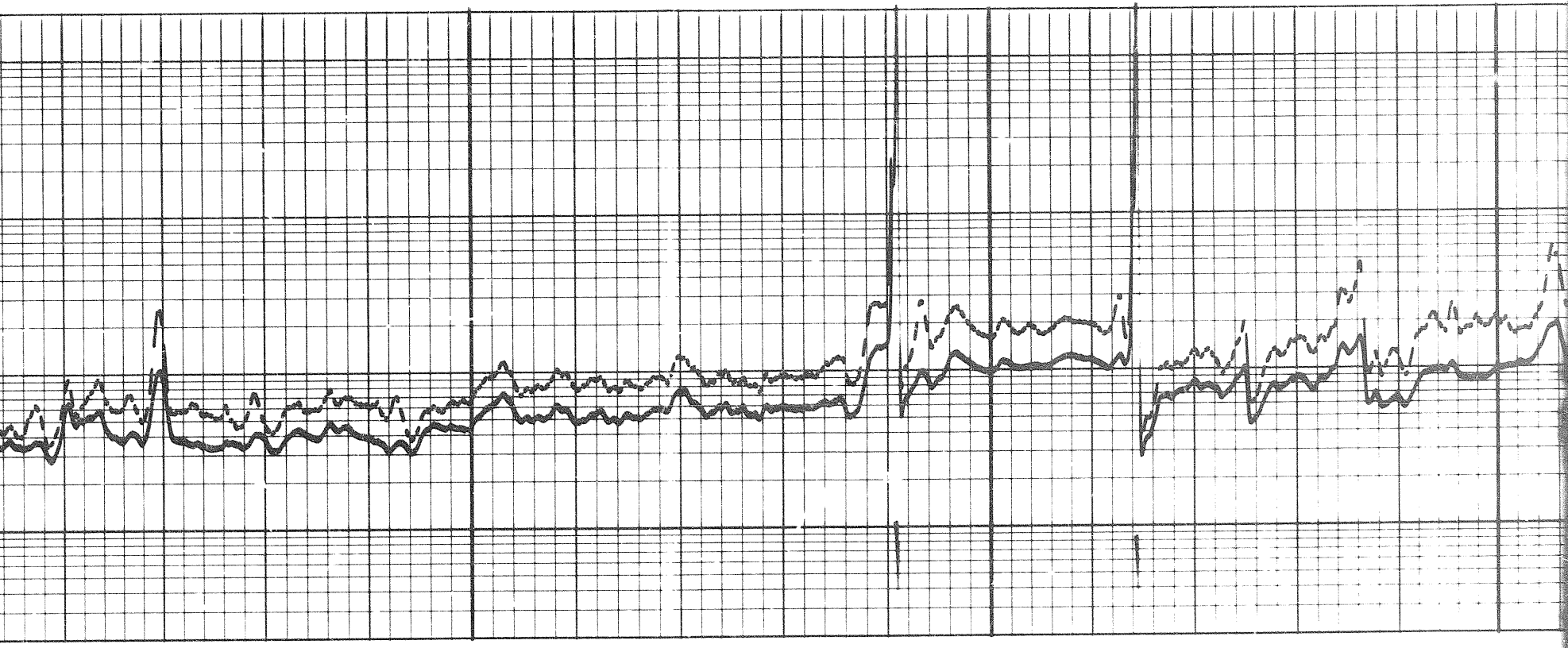
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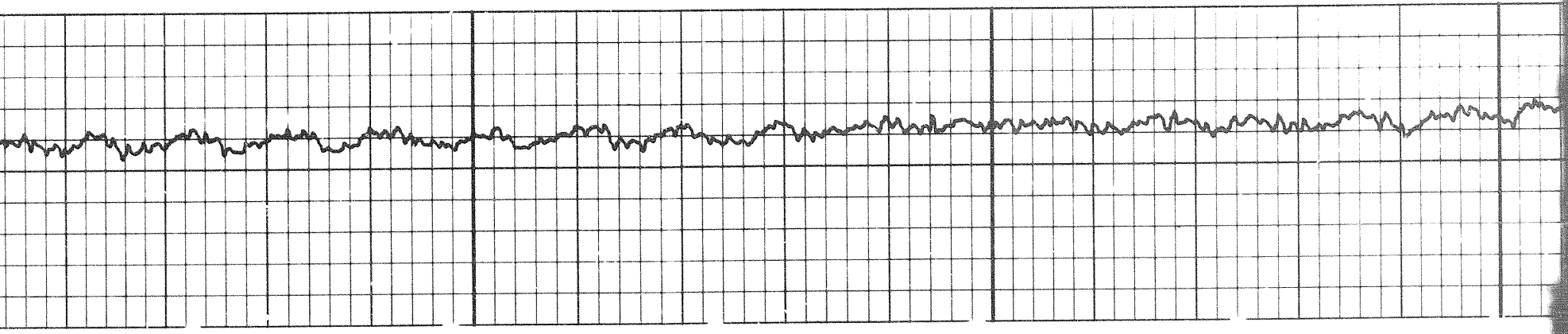

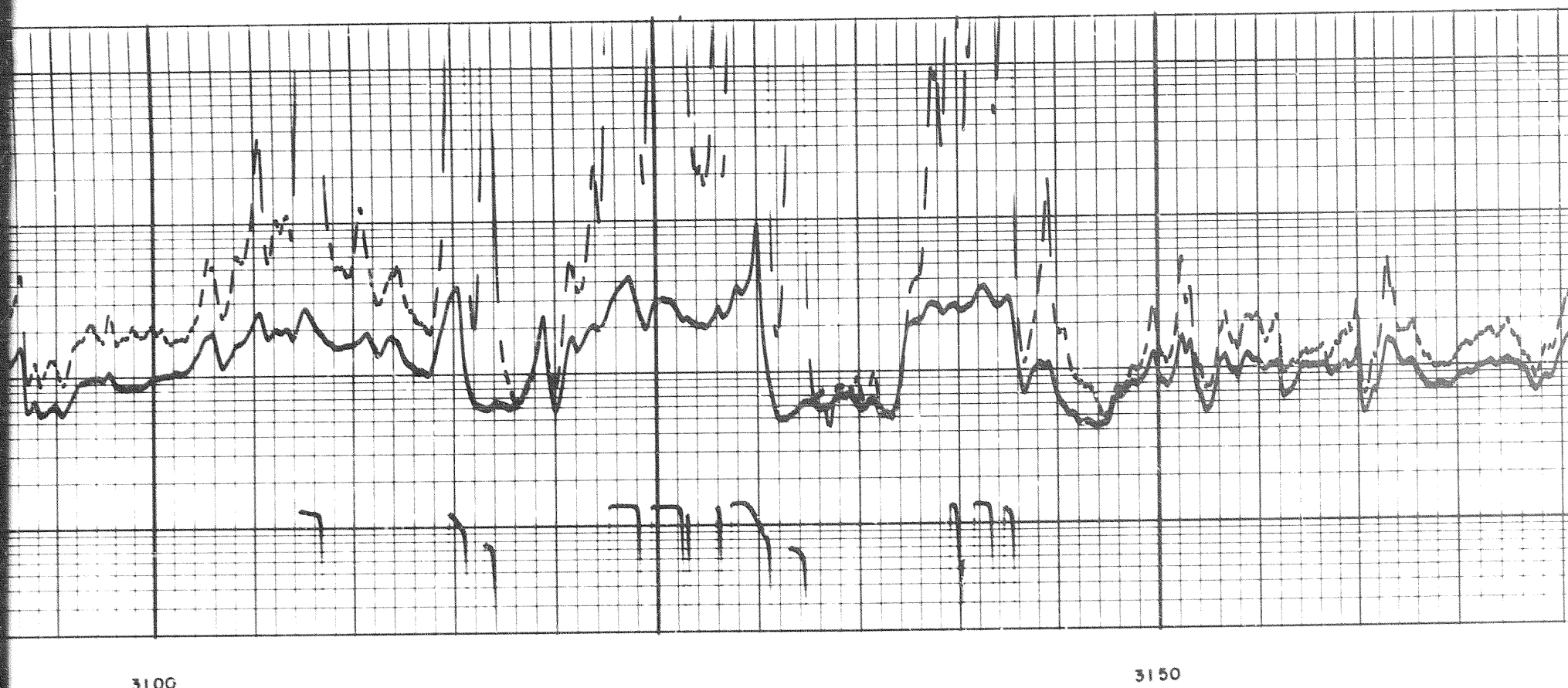
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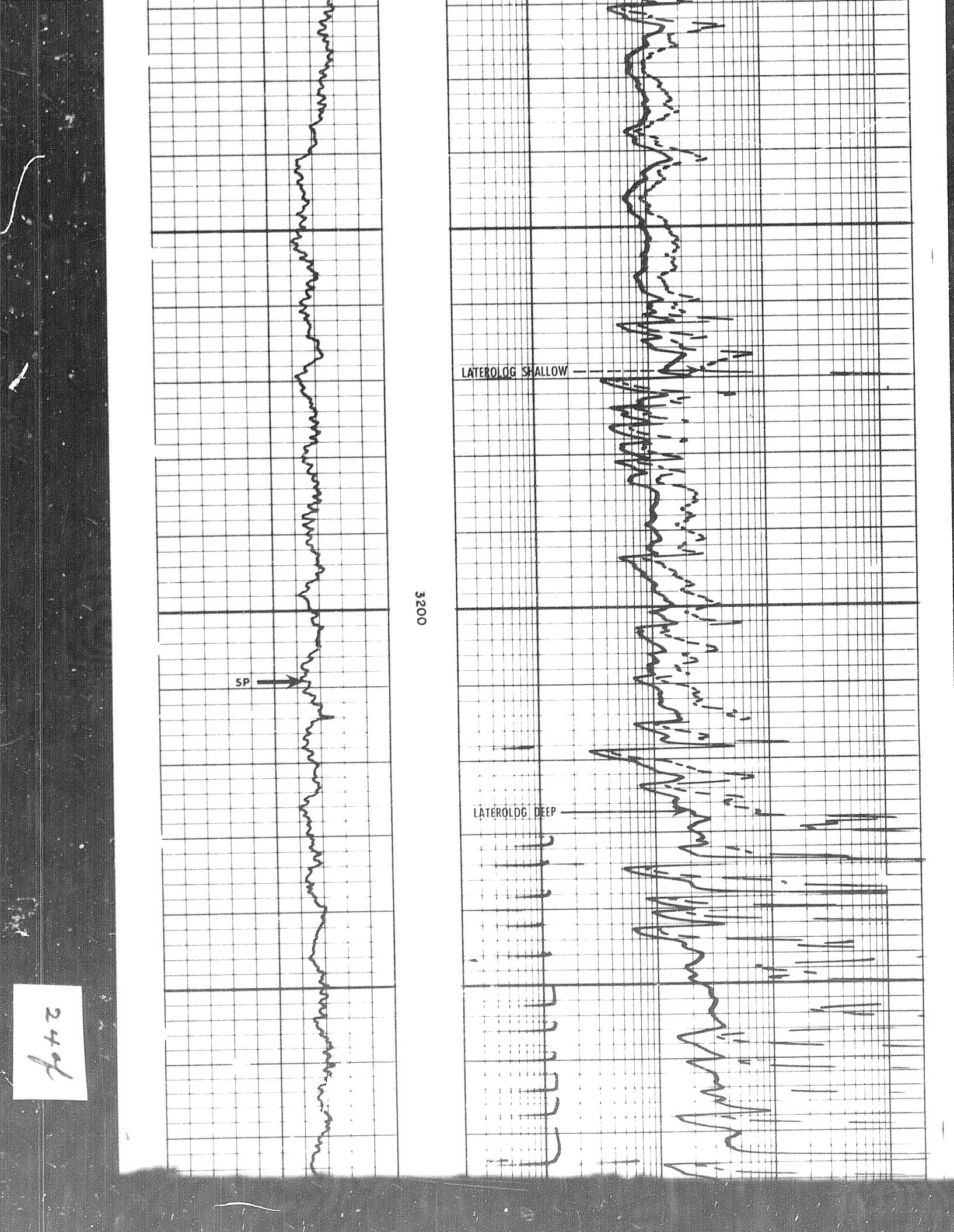

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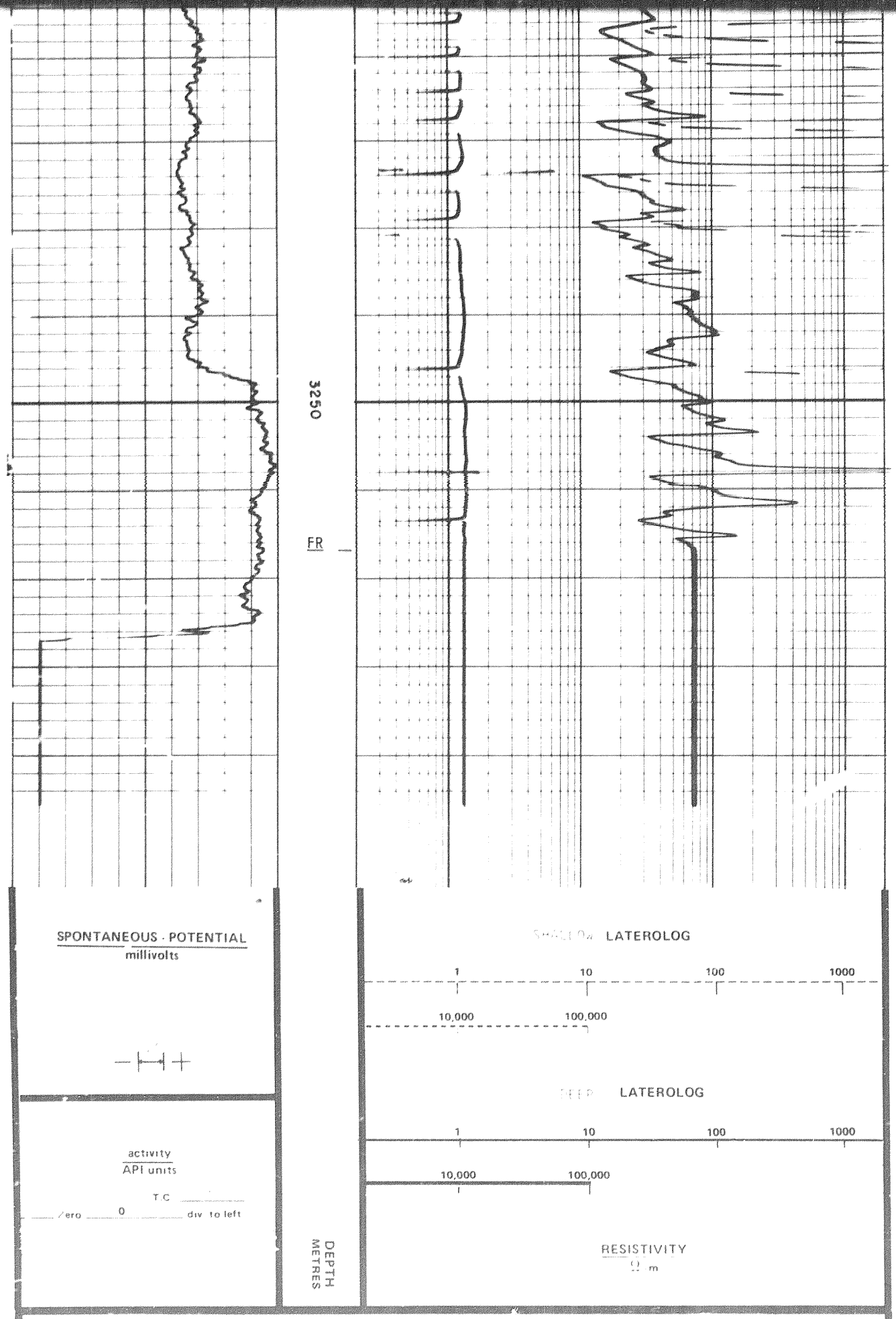


DETAIL LOG
1:240

Zero 0 div to left

DEPTH METRES

RESISTIVITY
Ω · m

DETAIL LOG
1:240

SPONTANEOUS - POTENTIAL
millivolts

20

DEPTH METRES

RESISTIVITY
Ω m

SHALLOW LATEROLOG

1 10 100 1000

10,000 100,000

GAMMA RAY

activity
API units

T.C

Zero 0 div to left

0 150

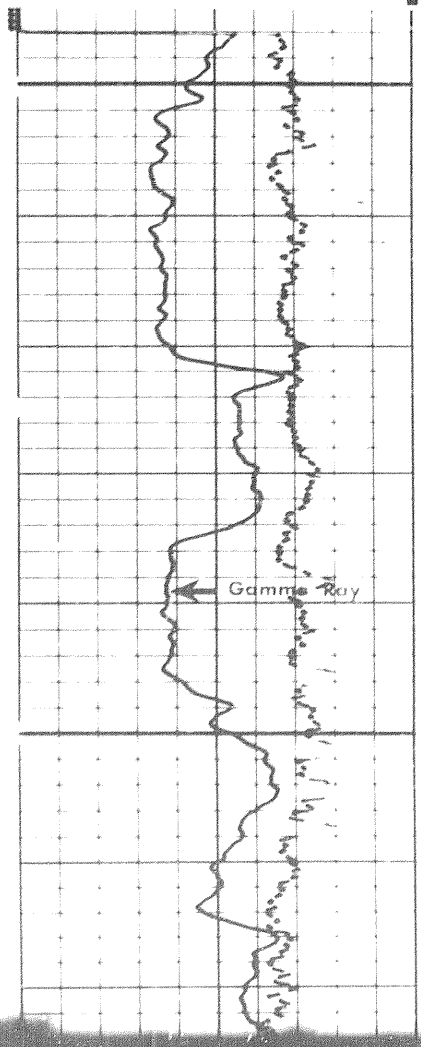
150 300

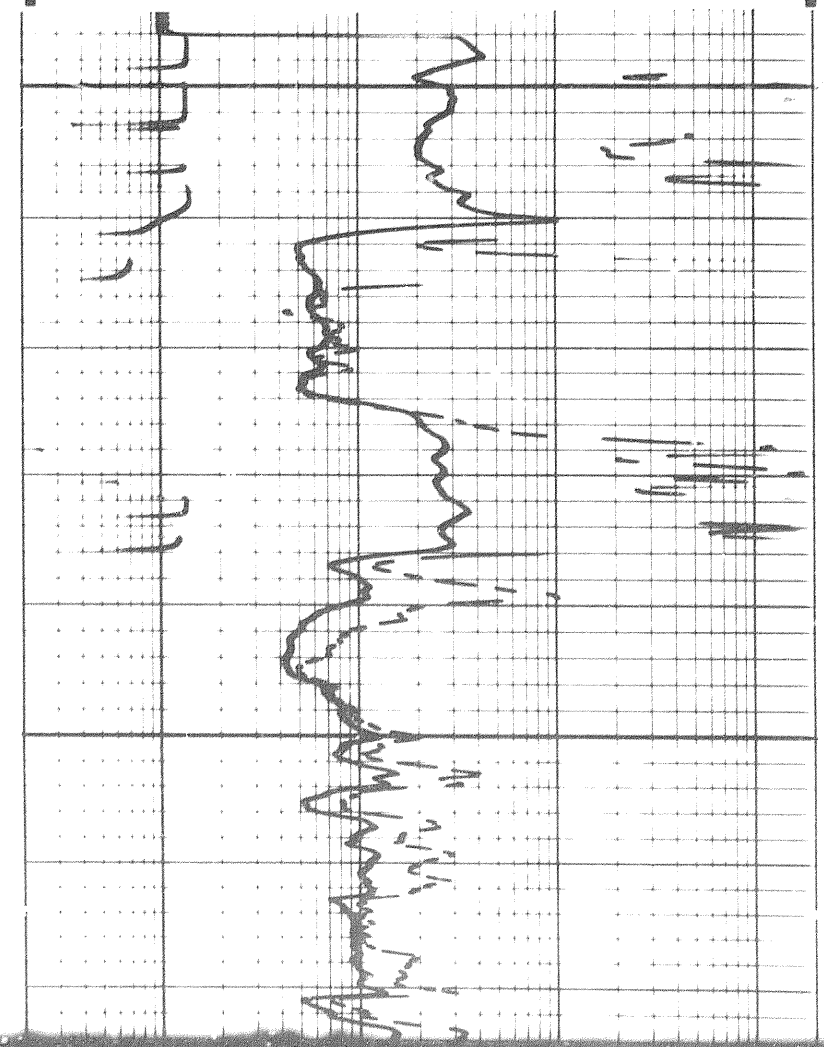
DEEP LATEROLOG

1 10 100 1000

10,000 100,000

X2010A





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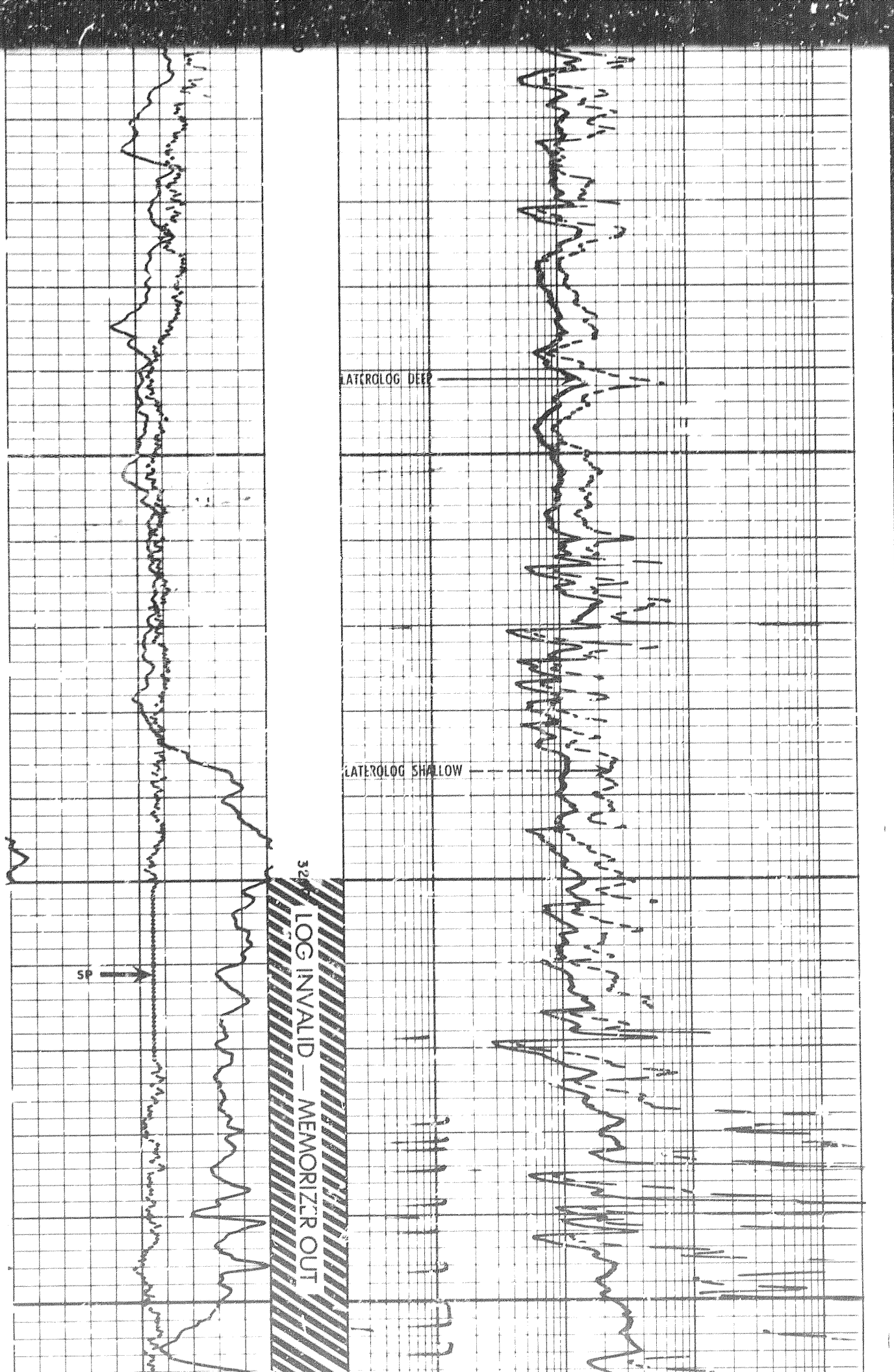
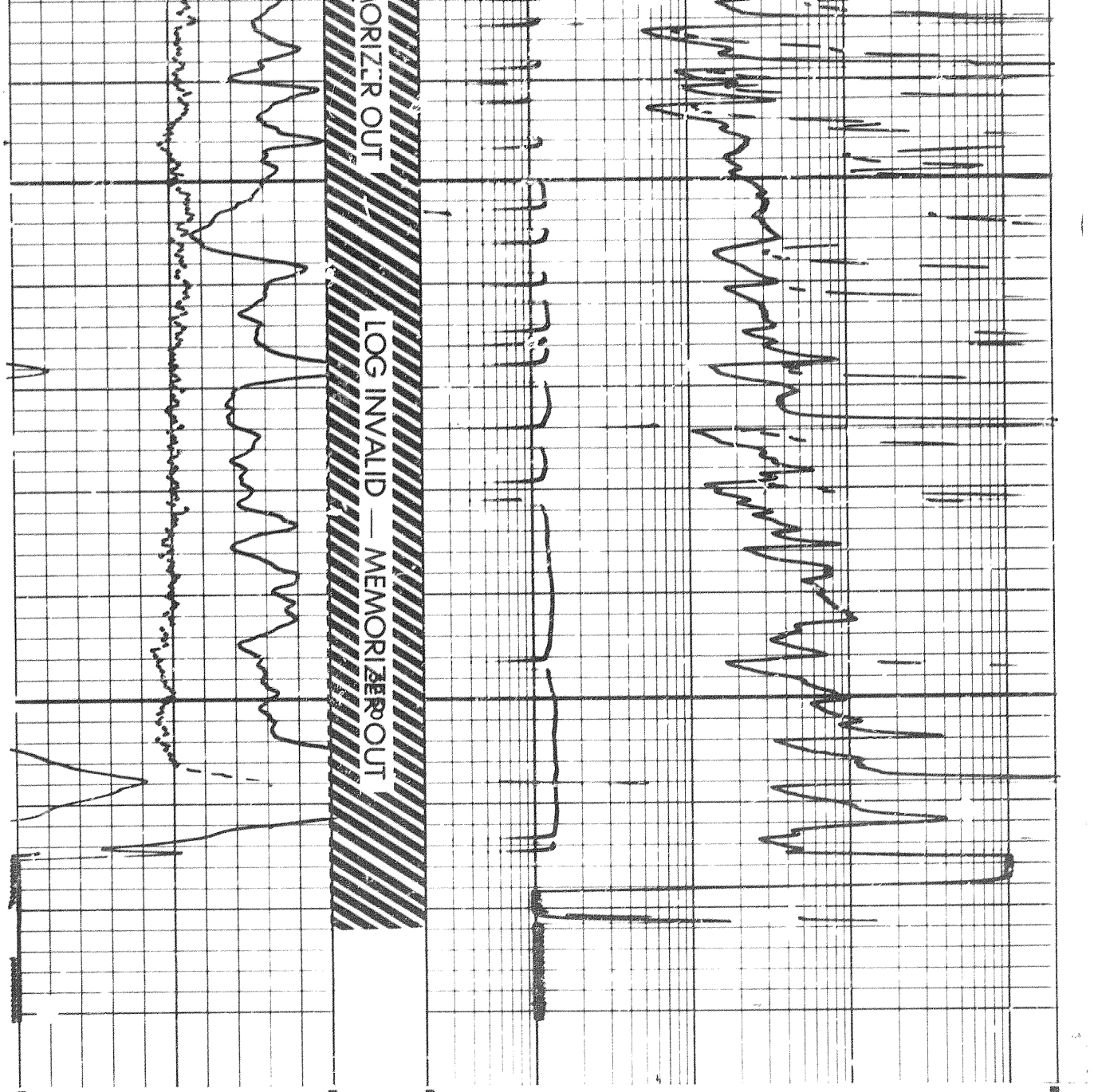
25gl


LATEROLOG DEEP
LATEROLOG SHALLOW
SP
LOG INVALID — MEMORIZER OUT



SPONTANEOUS - POTENTIAL
millivolts

20

GAMMA RAY

activity
API units

T.C. 2

Zero 0 div. to left

0 150
150 300

DEPTH METRES

SHALLOW **LATEROLOG**

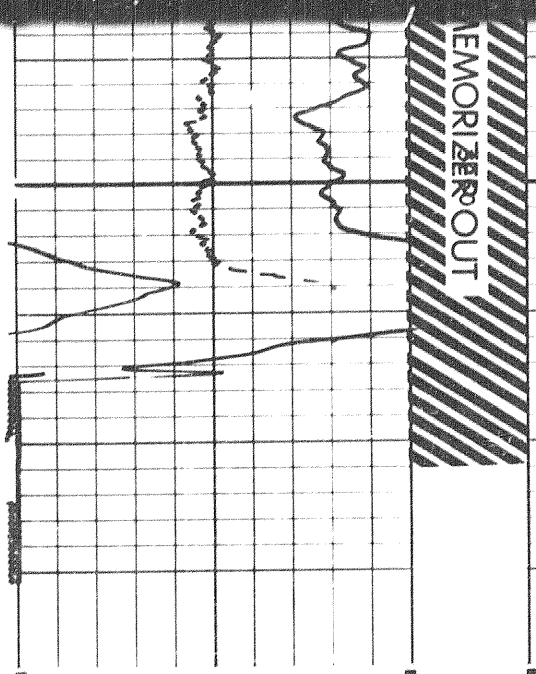
1 10 100 1000
10,000 100,000

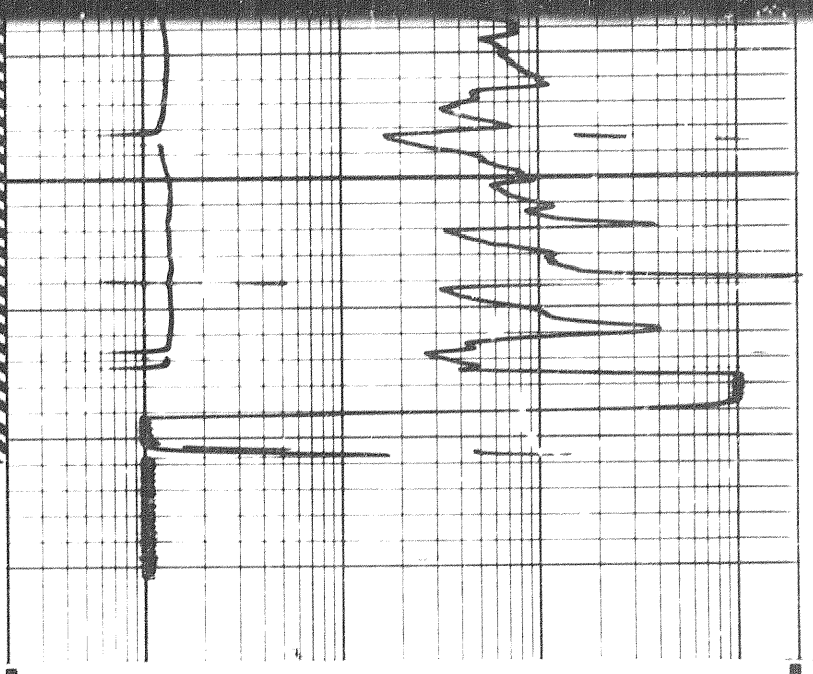
DEEP **LATEROLOG**

1 10 100 1000
10,000 100,000

RESISTIVITY
Ω m

26 pb





MEMORIZER OUT

SPONTANEOUS - POTENTIAL
millivolts

20

GAMMA RAY

activity
API units

T.C. 2

Zero 0 div. to left

0 150

150 300

DEPTH METRES

SHALLOW **LATEROLOG**

1 10 100 1000

10,000 100,000

DEEP **LATEROLOG**

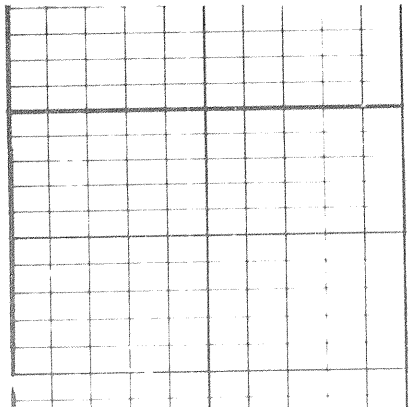
1 10 100 1000

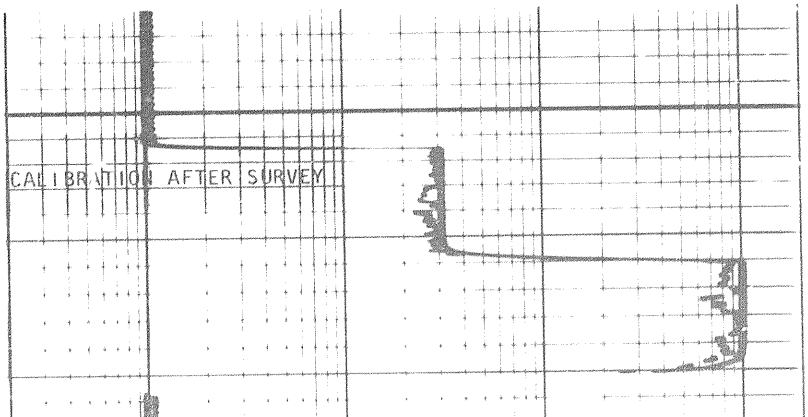
10,000 100,000

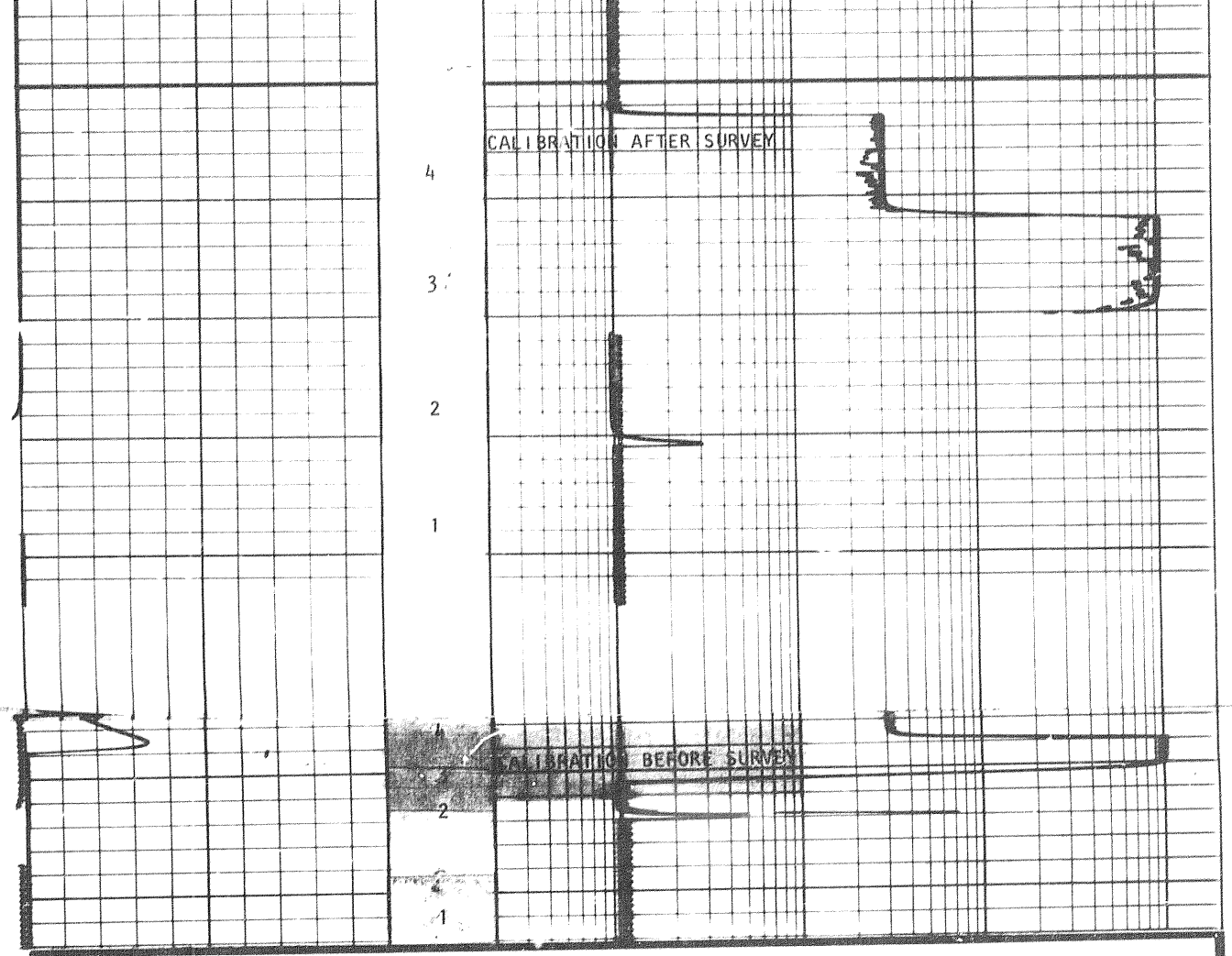
RESISTIVITY
Ω - m

X2010B

CALIBRATION RECORD







GAMMA RAY CALIBRATION CODING

1. MECANICAL ZERO
2. RECORDED SENSITIVITY
3. MEMORIZER SENSITIVITY
4. BACKGROUND
5. CALIBRATION

SIMULTANEOUS DUAL LATEROLOG CALIBRATION CODING

1. MECHANICAL ZERO
2. RECORD SET (SP CALIBRATE)
3. TEST - 1 (1 Ω-m)
4. TEST - 2 (1000 Ω-m)
5. TOOL CALIBRATION (31.6 Ω-m)

COMPANY

WELL

FIELD

PROVINCE

SCHL. FR m
SCHL. TD m
DRLR. TD m

Elev.: KB m
DF m
GL m

X2010C