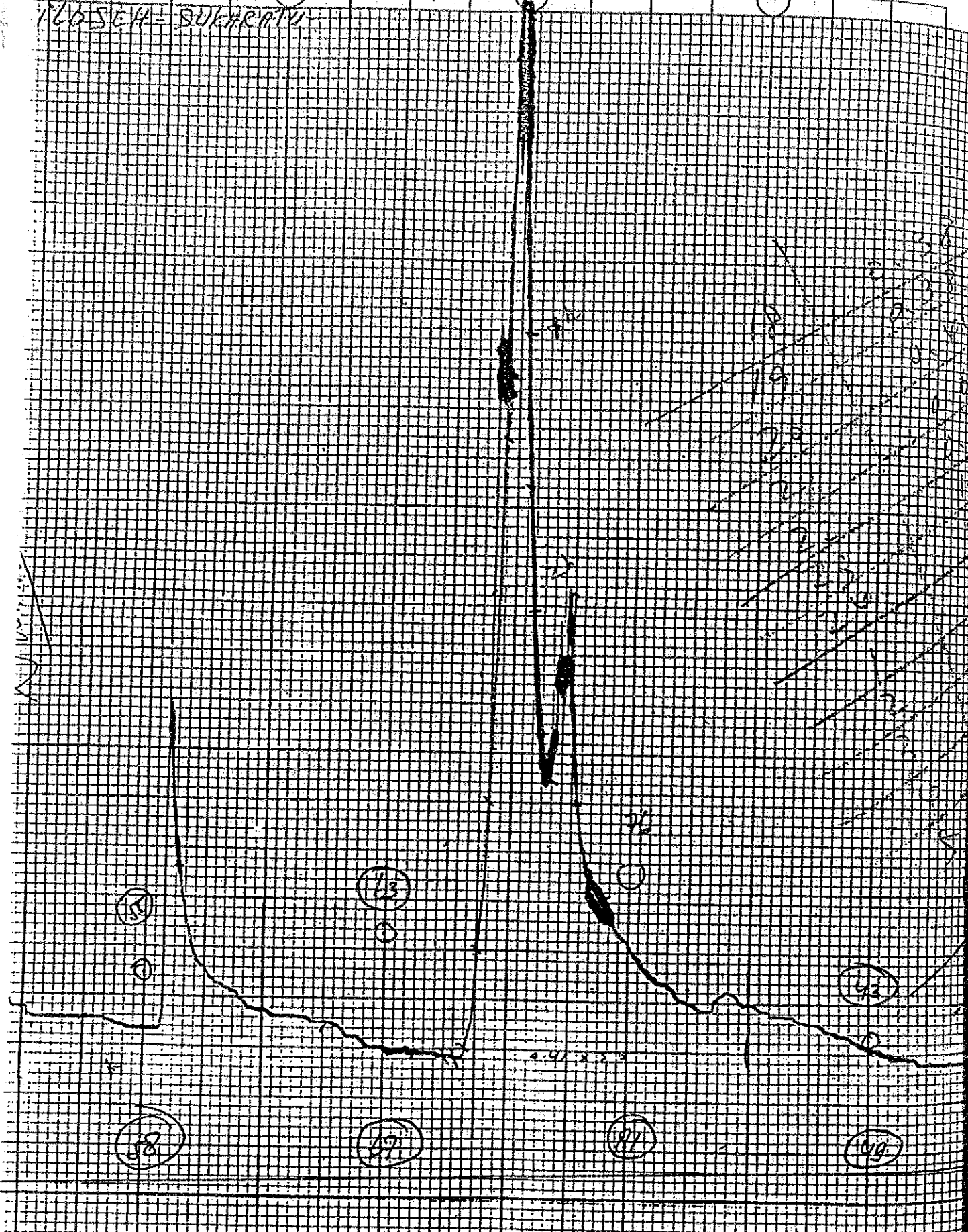


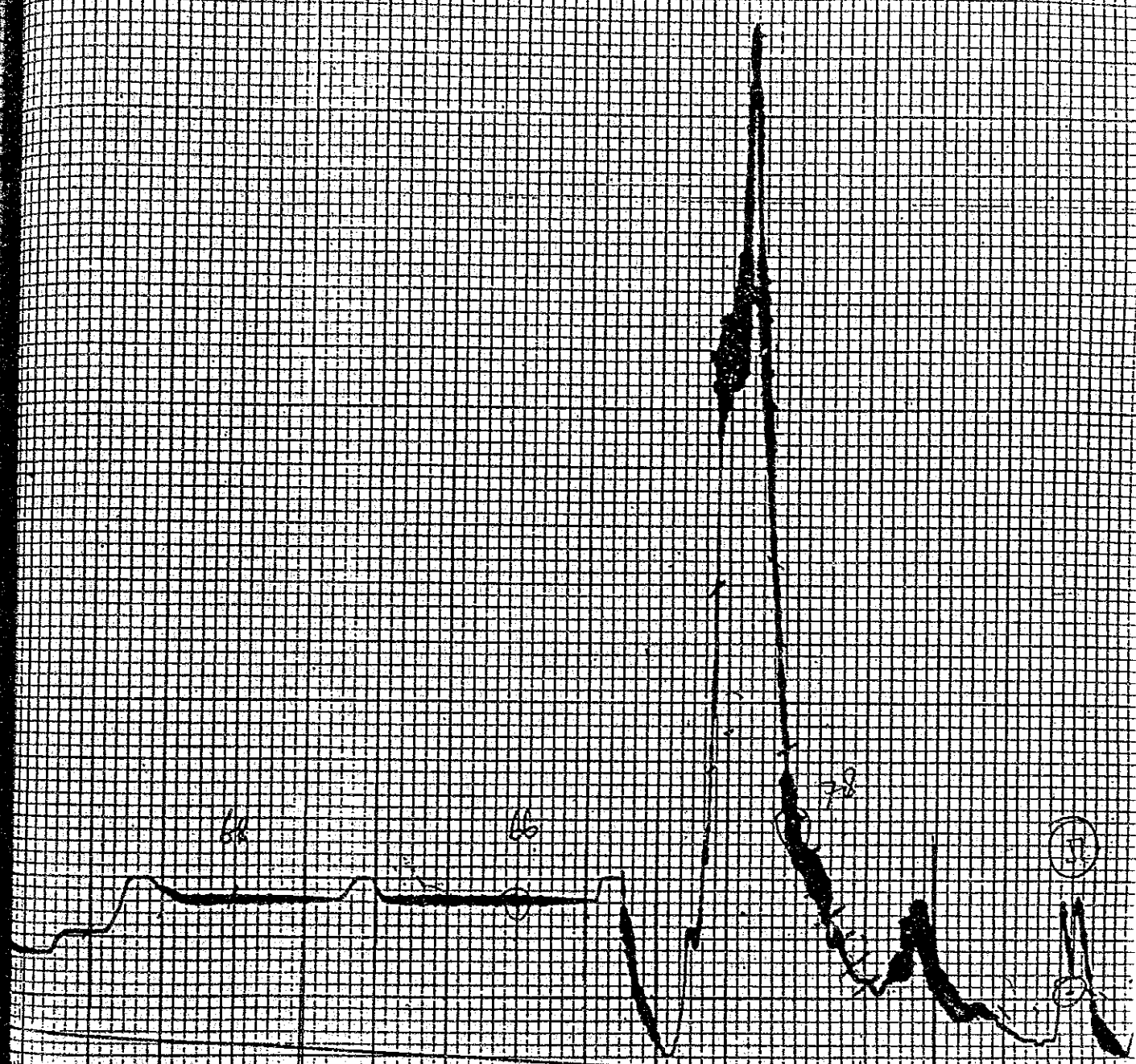
MOSEH-SUKRATU

von Aufzeichnung vom 27-9-86 bis 29-9-86



n der 26-9-86 27-9-Aufzeichnung vom 28-9-86 bis 29-9-86

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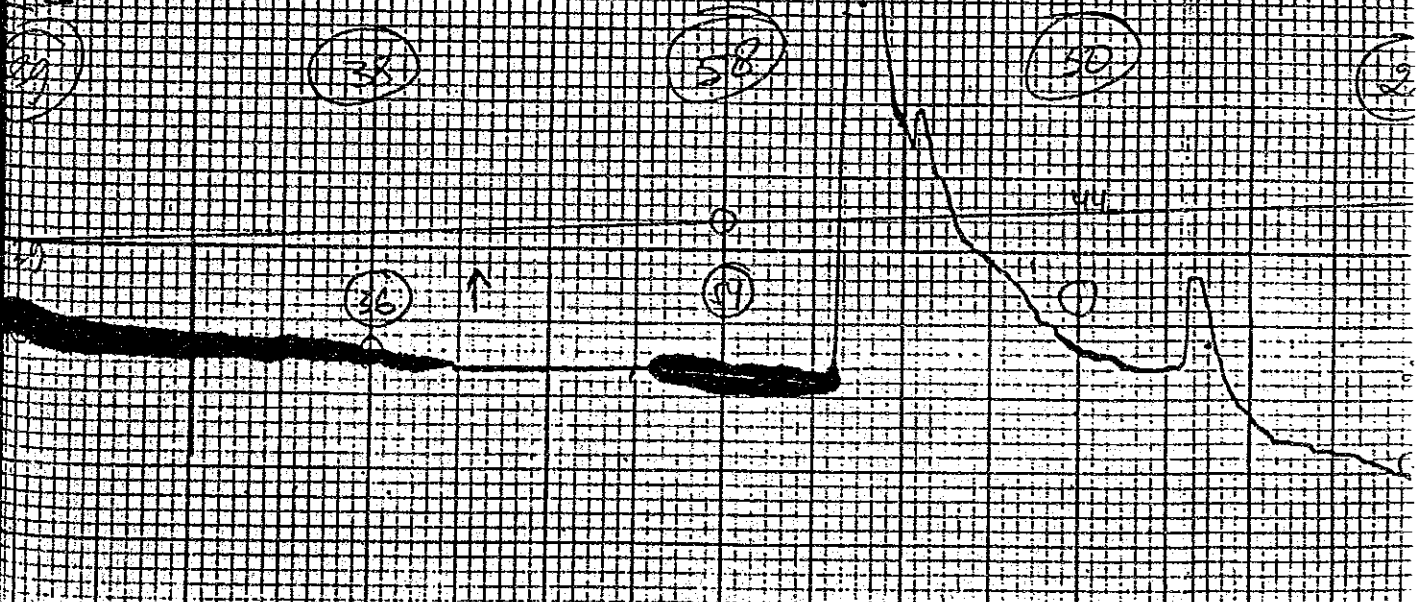
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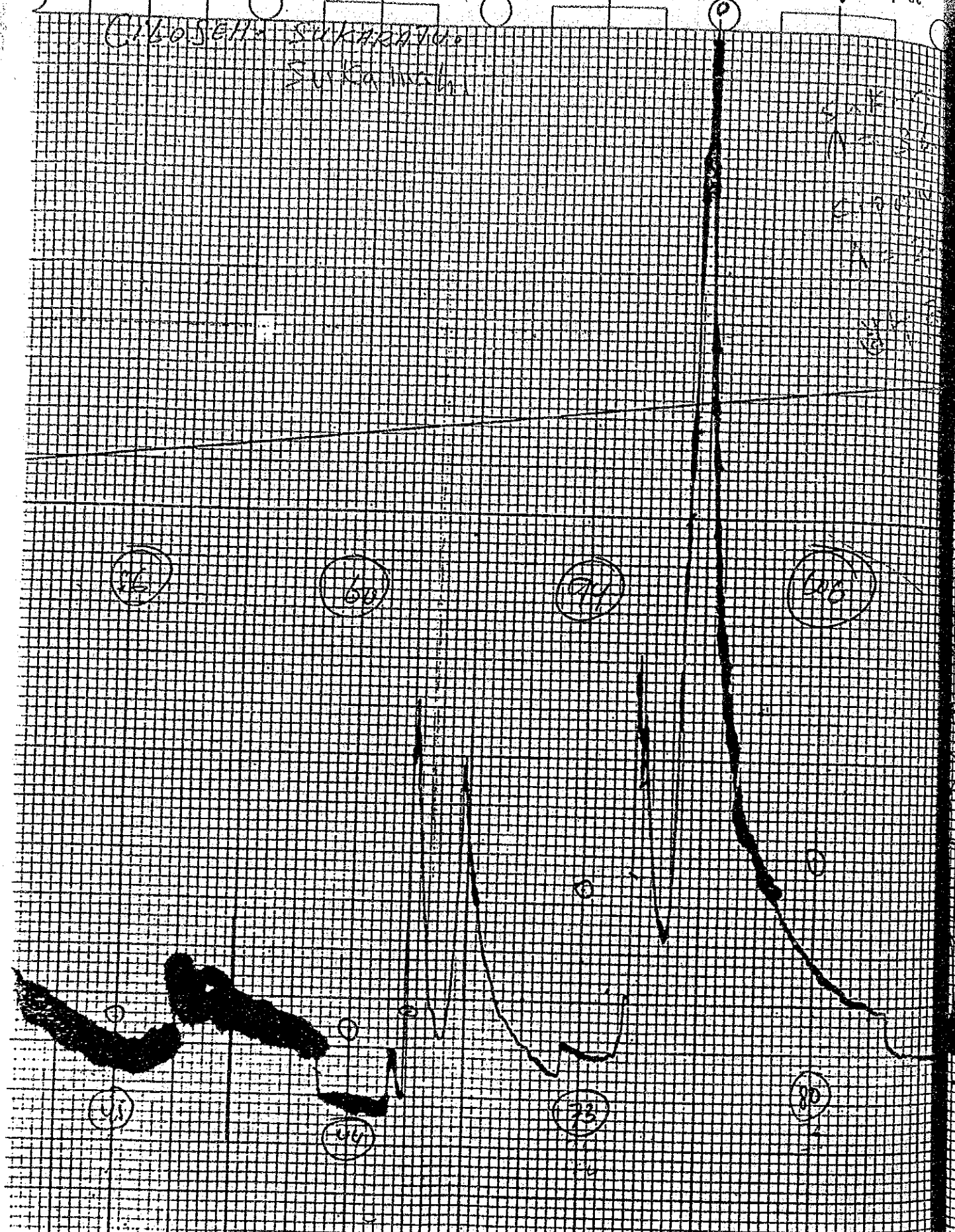
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er 10-10-86 11-10-86 Aufzeichnung vom 12-10-86 bis 13-10-86

GILOSEH. SUKARAJU



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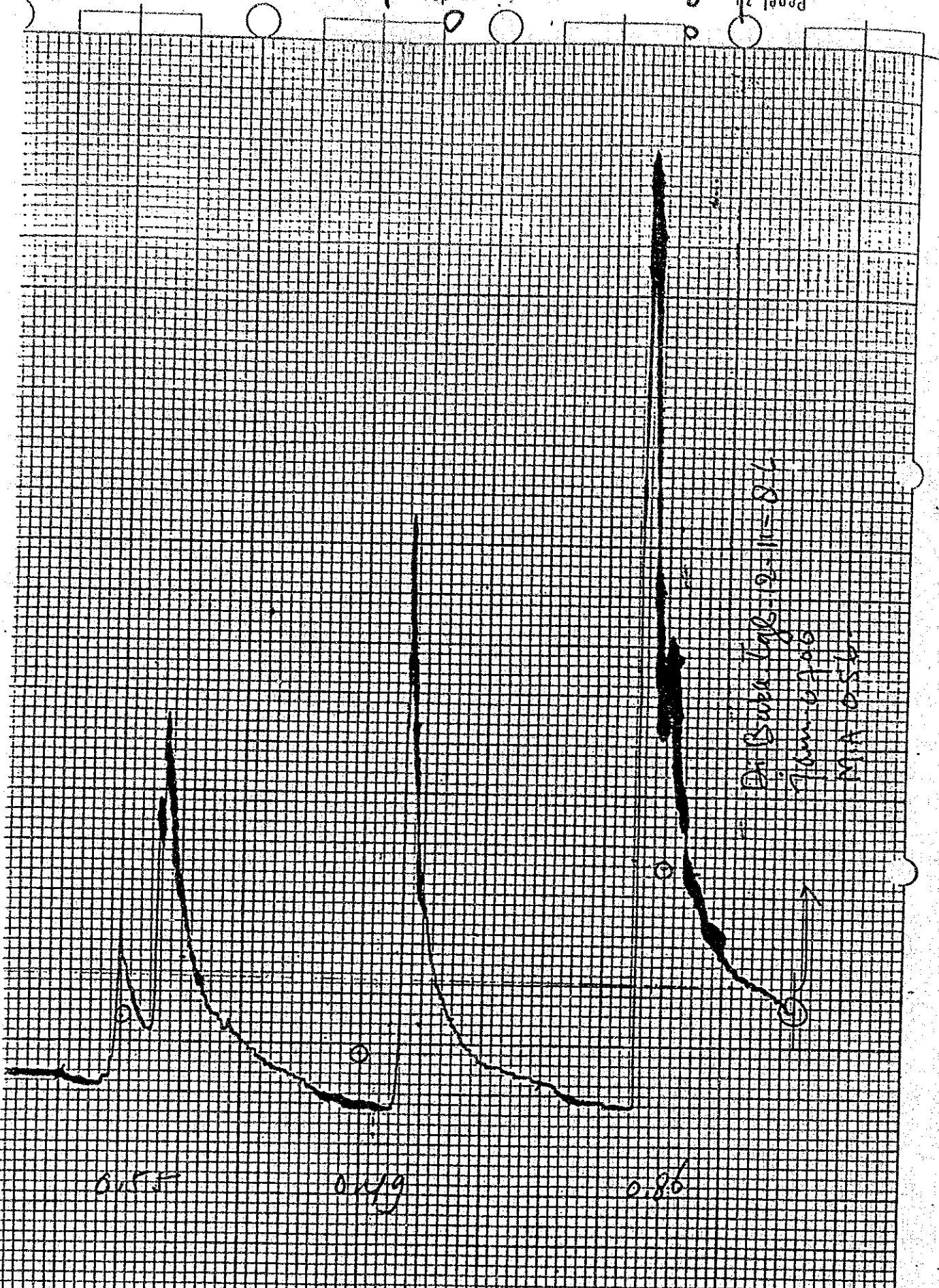
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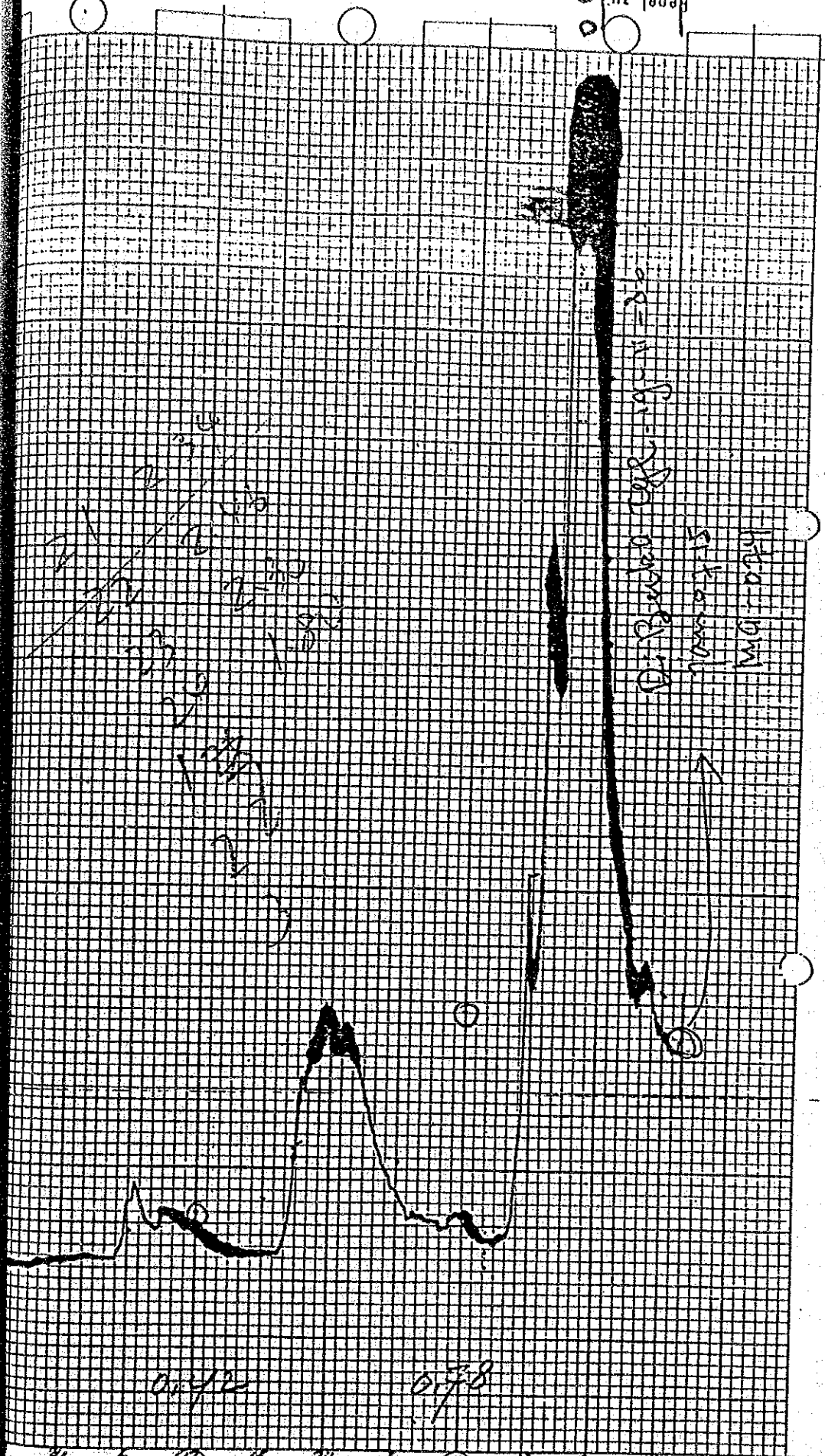
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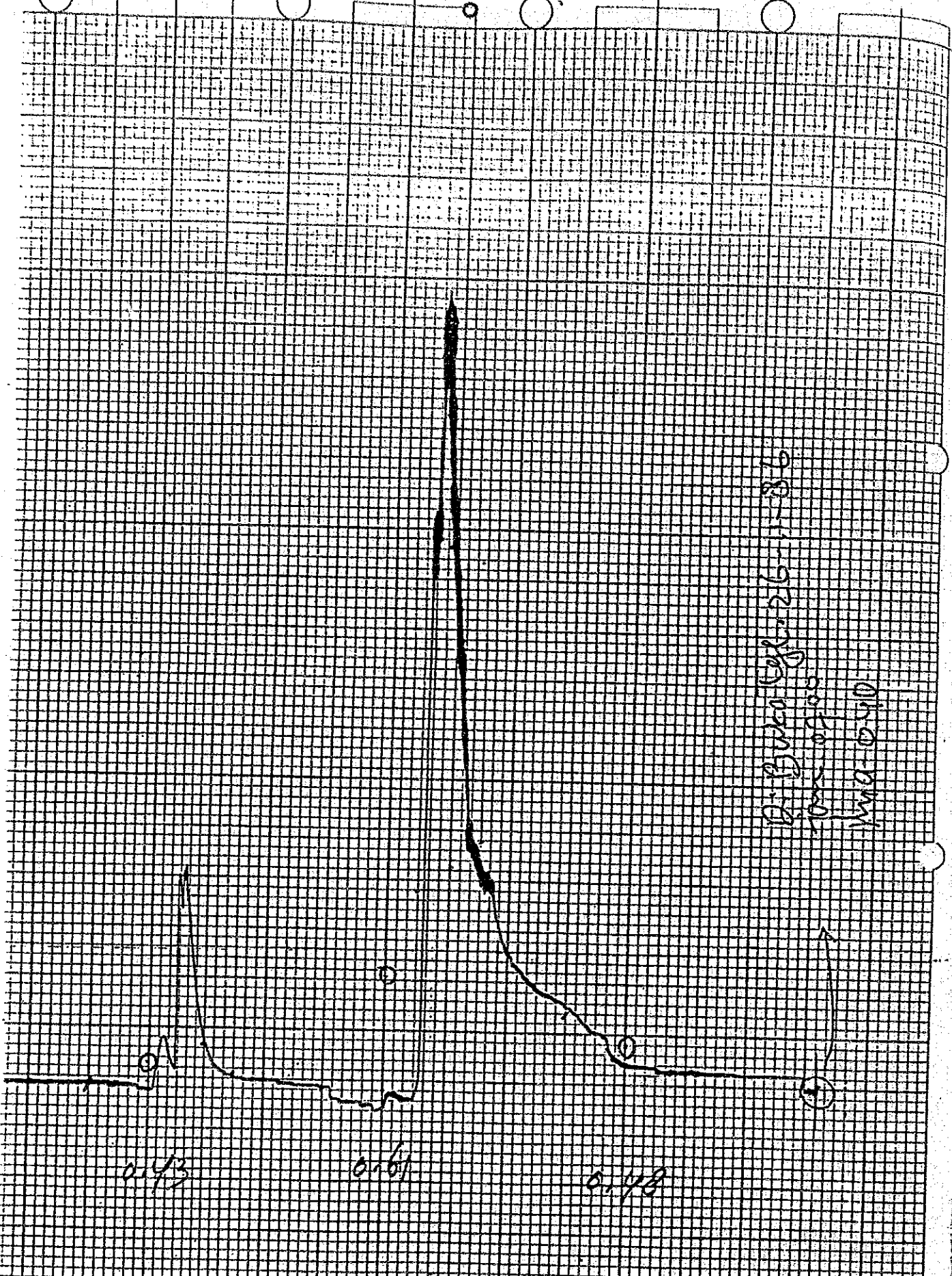
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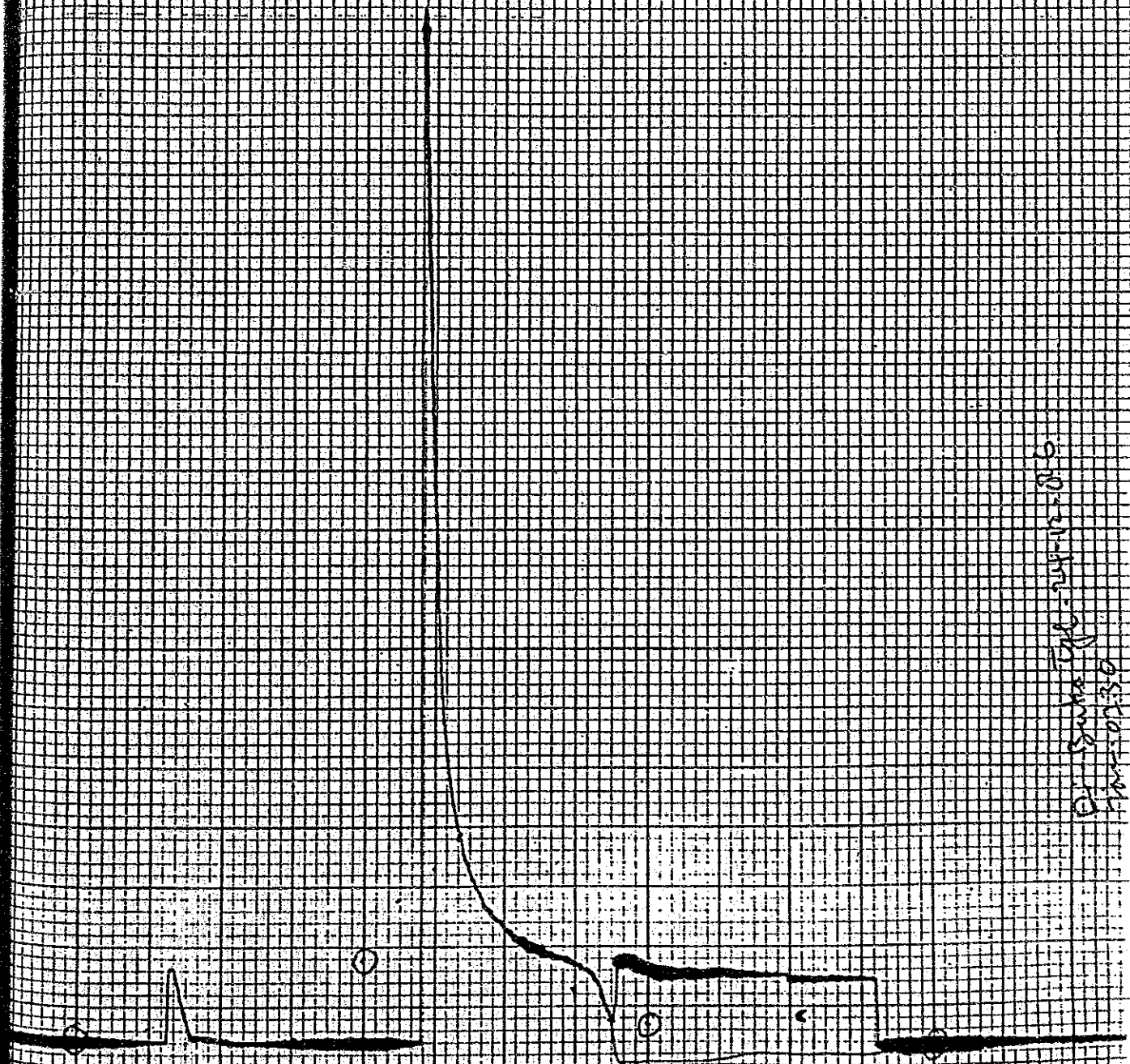
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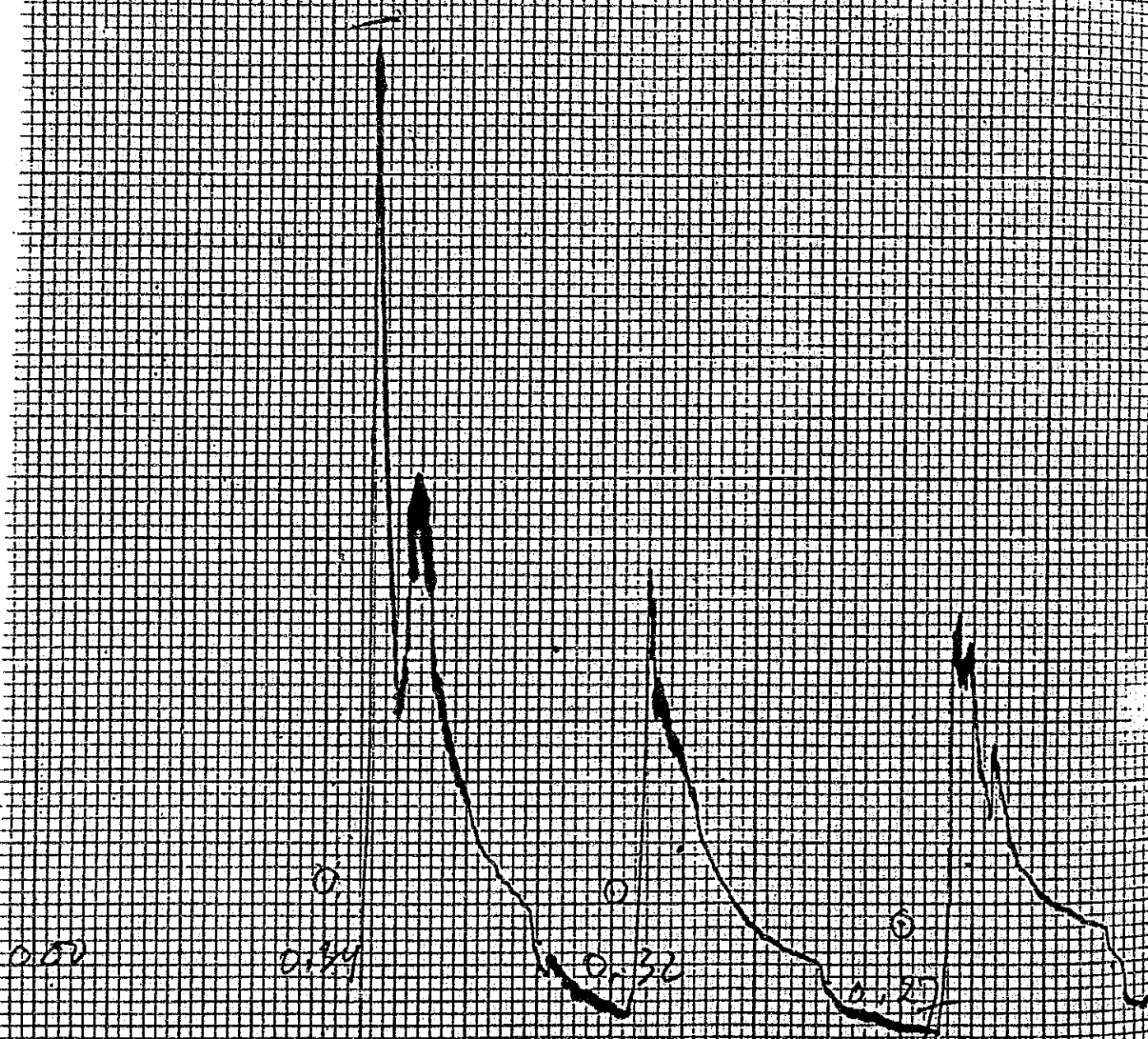


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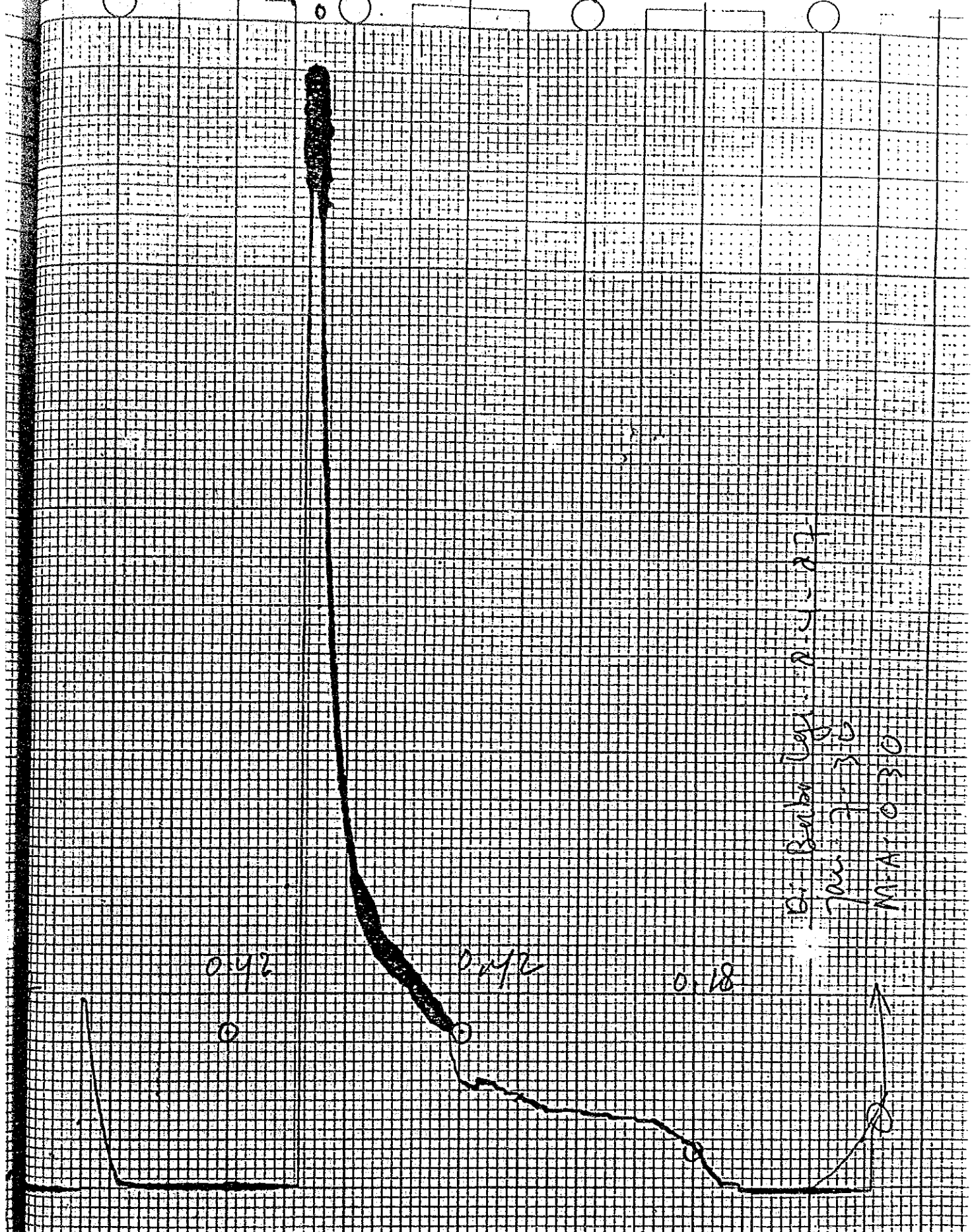
23.12.86 Maßstab 1:...

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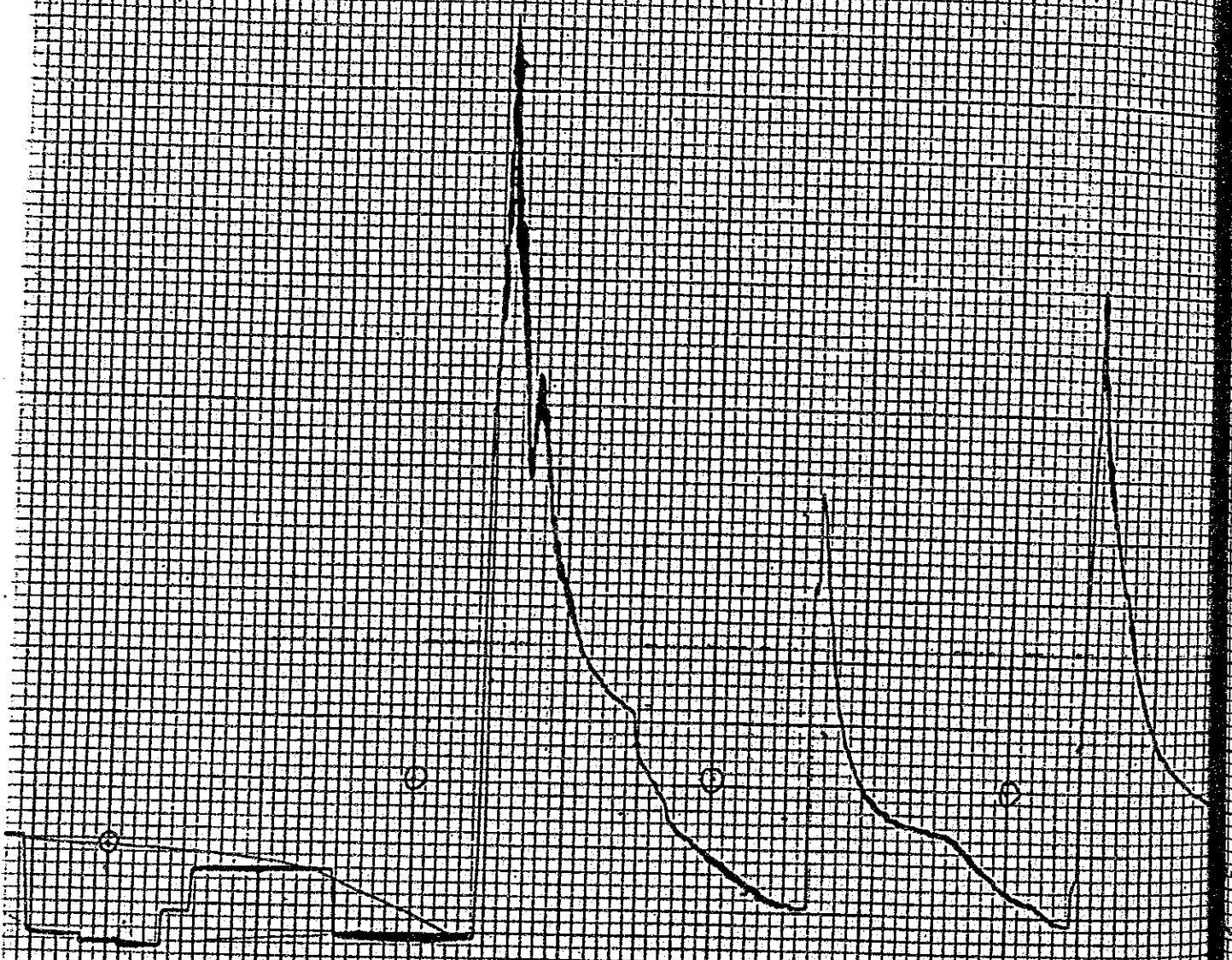


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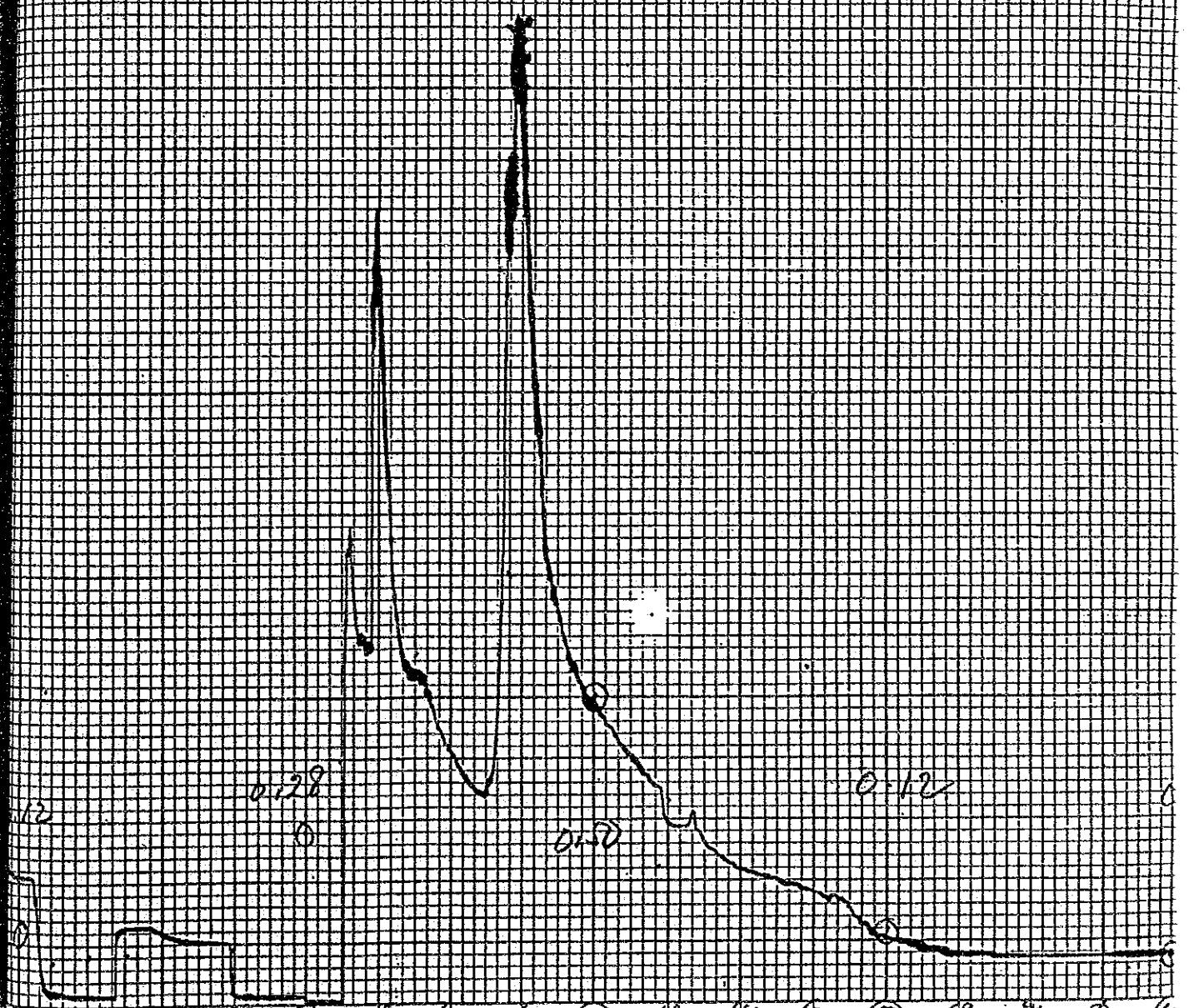
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3.3 Run-off Flow Measurement Data

Run-off Flow Measurement were done at CIKUNIR BRIDGE in CIKUNIR river.

The data are shown in Table-3.5.

4. HYDROLOGICAL DATA IN CRATER LAKE

4.1 Rainfall Data

One (1) automatic rain gauge was installed by JICA Study Team on September, 1987 to grasp the rain condition in the crater lake.

Table-4.1 shows those rainfall data.

4.2 Water Level Data

One (1) automatic water level gauge and fifteen (15) staff gauges were installed by JICA Study Team on September, 1987 to understand the water level fluctuation in the crater lake.

However, it is with great regret that the automatic water level gauge was broken at the beginning of December 1987. After this incident, the water level has been observed using the staff gauges once a week.

The water level data are shown in Table-4.2.

TABLE - 8.2. (1) INFLOW MEASUREMENT IN CRATER LAKE

NO.	DATE	TIME	B (m)	H (m)	A (m ²)	Vs (m/s)	Vm (m/s)	Q (m ³ /s)	REMARKS
1	17/SEP/87	11:00	0.90	0.06	0.054	0.50	0.40	0.022	
						0.50			
						0.50			
2	17/SEP/87	11:30	0.80	0.06	0.048	0.67	0.54	0.026	
						0.67			
						0.67			
3	26/DEC/87	12:00	1.00	0.07	0.070	0.83	0.68	0.047	
						0.88			
						0.83			
4	16/JAN/88	11:30					-	-	NO SURFACE INFLOW
5	18/FEB/88	11:00					-	-	NO SURFACE INFLOW

* * : Vm (Mean velocity) = Vs (Surface velocity) x 0.8

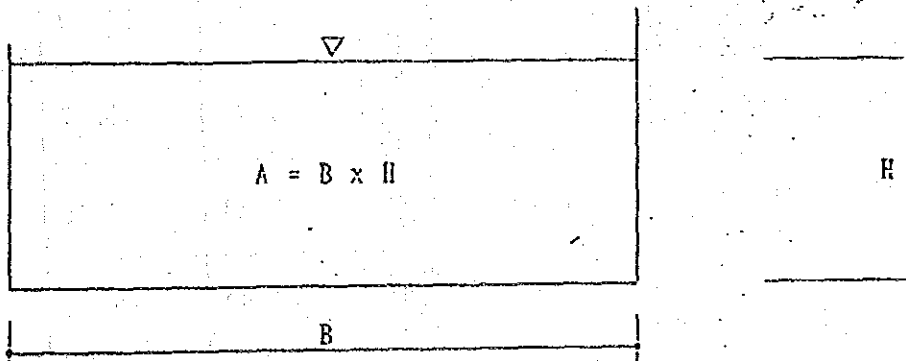


TABLE - 8.2. (2) FLOW MEASUREMENT IN CIKUNIR RIVER

STATION: CIKUNIR BRIDGE

NO.	DATE	TIME	H (m)	A (m ²)	Vs (m/s)	Vm (m/s)	Q (m ³ /s)	REMARKS
1	12/JAN/88	15:25	0.80 (NEW) (EL. 406.09)	8.526	2.61	2.07	17.67	
					2.53			
					2.63			
2	12/JAN/88	16:25	1.00 (NEW) (EL. 406.29)	11.360	3.23	2.61	29.69	
					3.31			
					3.26			
3	12/JAN/88	16:38	0.40 (OLD) (EL. 406.39)	12.791	3.44	2.83	36.19	
					3.72			
					3.45			
4	14/JAN/88	12:10	0.64 (NEW) (EL. 405.93)	6.330	2.32	1.91	12.12	
					2.43			
					2.43			
5	27/JAN/88	15:35	0.34 (OLD) (EL. 406.33)	11.932	3.91	3.13	37.36	
					3.92			
					3.91			
6	27/JAN/88	16:00	0.30 (OLD) (EL. 406.29)	11.360	3.83	2.99	33.93	
					3.72			
					3.65			

** : Vm (Mean velocity) = Vs (Surface velocity) x 0.8

: ELEVATION OF STAFF GAUGE

0.0 m (OLD) = EL. 405.99 m

0.0 m (NEW) = EL. 405.29 m

4.3 Inflow Measurement Data

Inflow Measurement were done in the crater lake once a month.

The inflow measurement data are shown in Table-4.3.