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Viscosity, Light, Scattering.

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$[-O-C_6H_4-C(CH_3)_2-C_6H_4-O-CO-]_n$ in chloroform

were studied by means of viscosity measurements and
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"Flory temperature" of the solution. The results are
discussed according to the Flory-Fox theory. (Author)
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ATL-710-75

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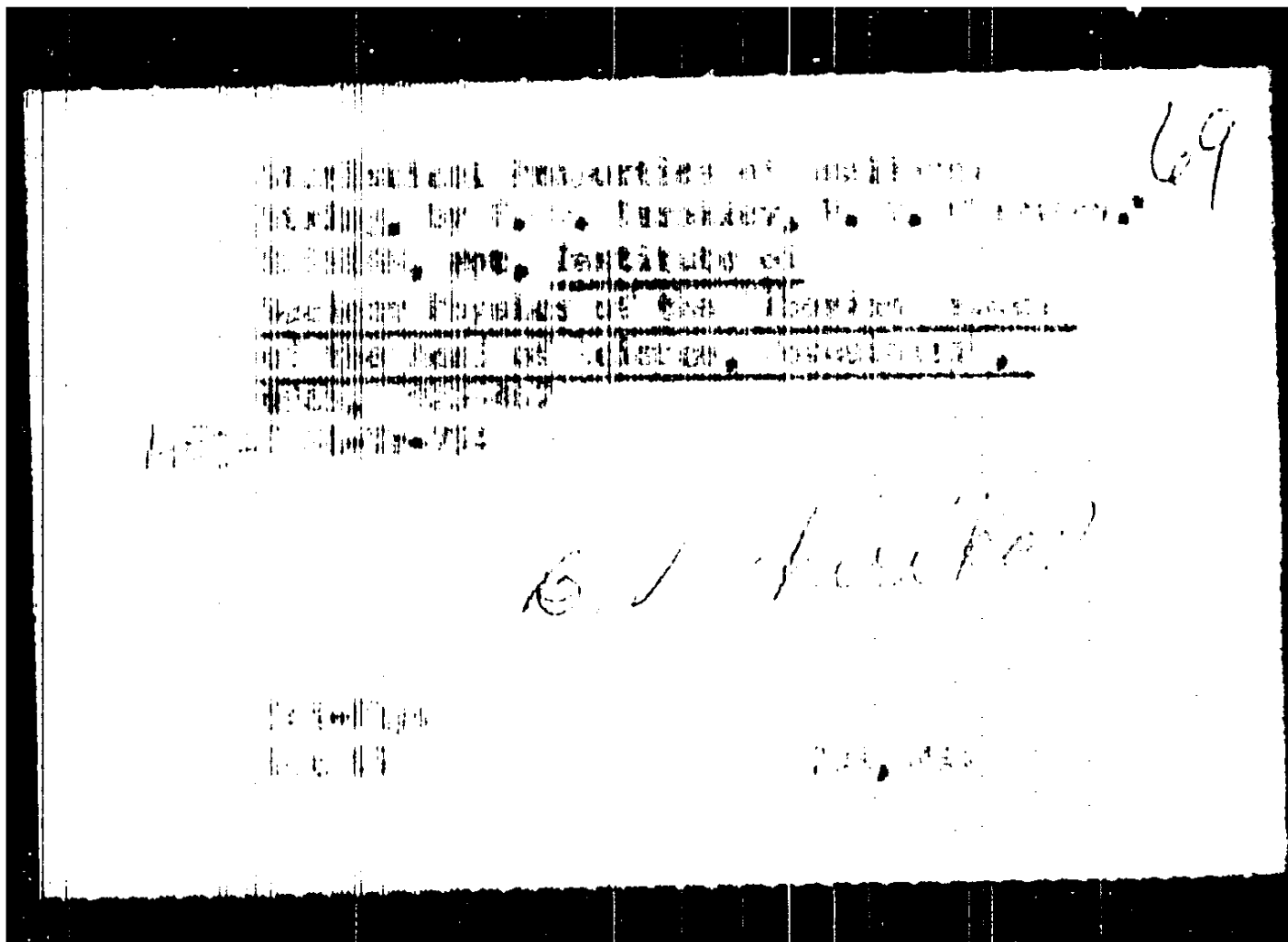
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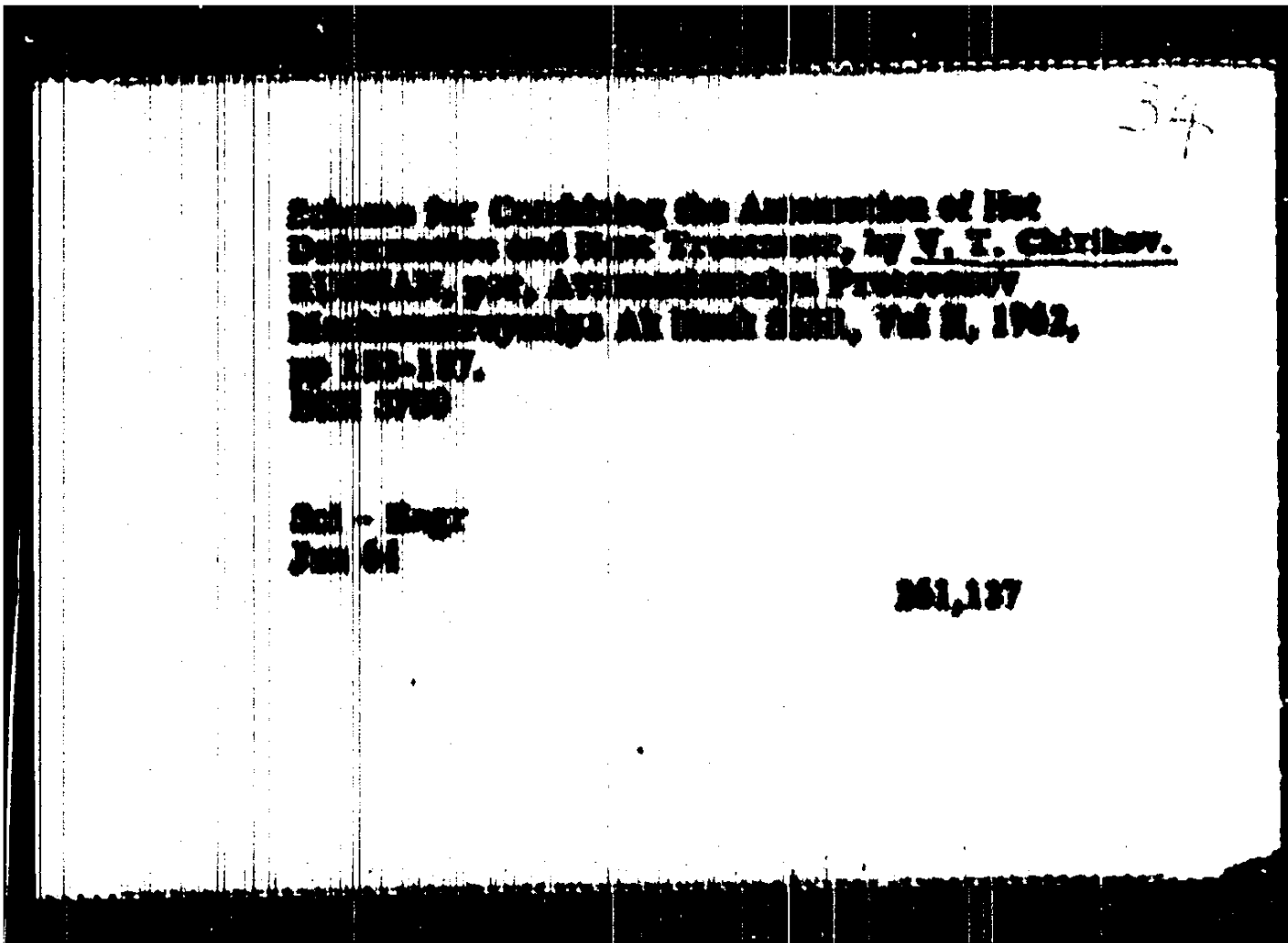
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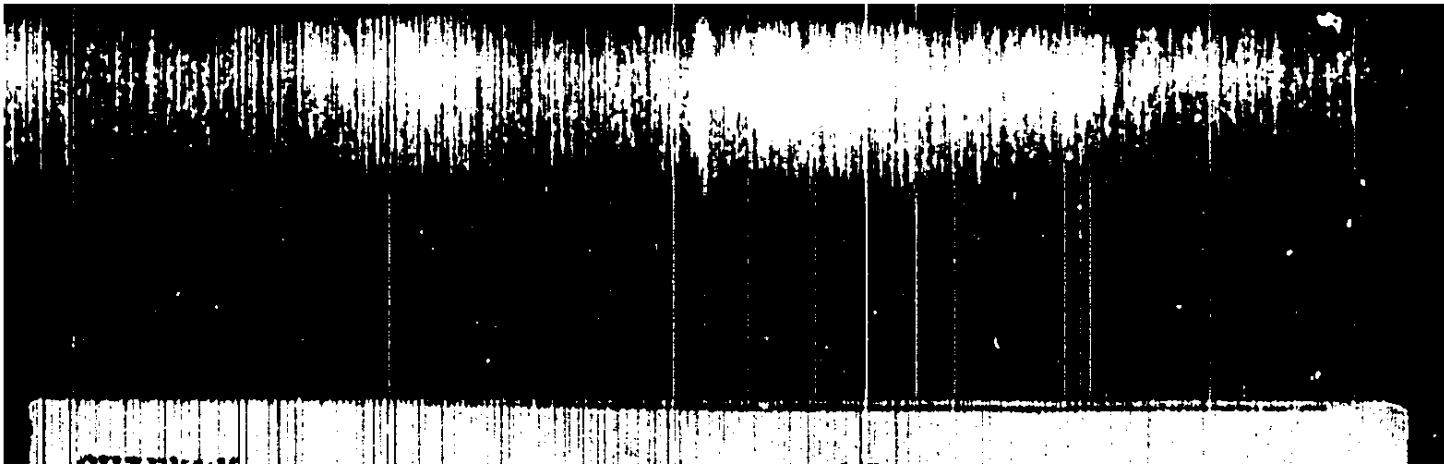
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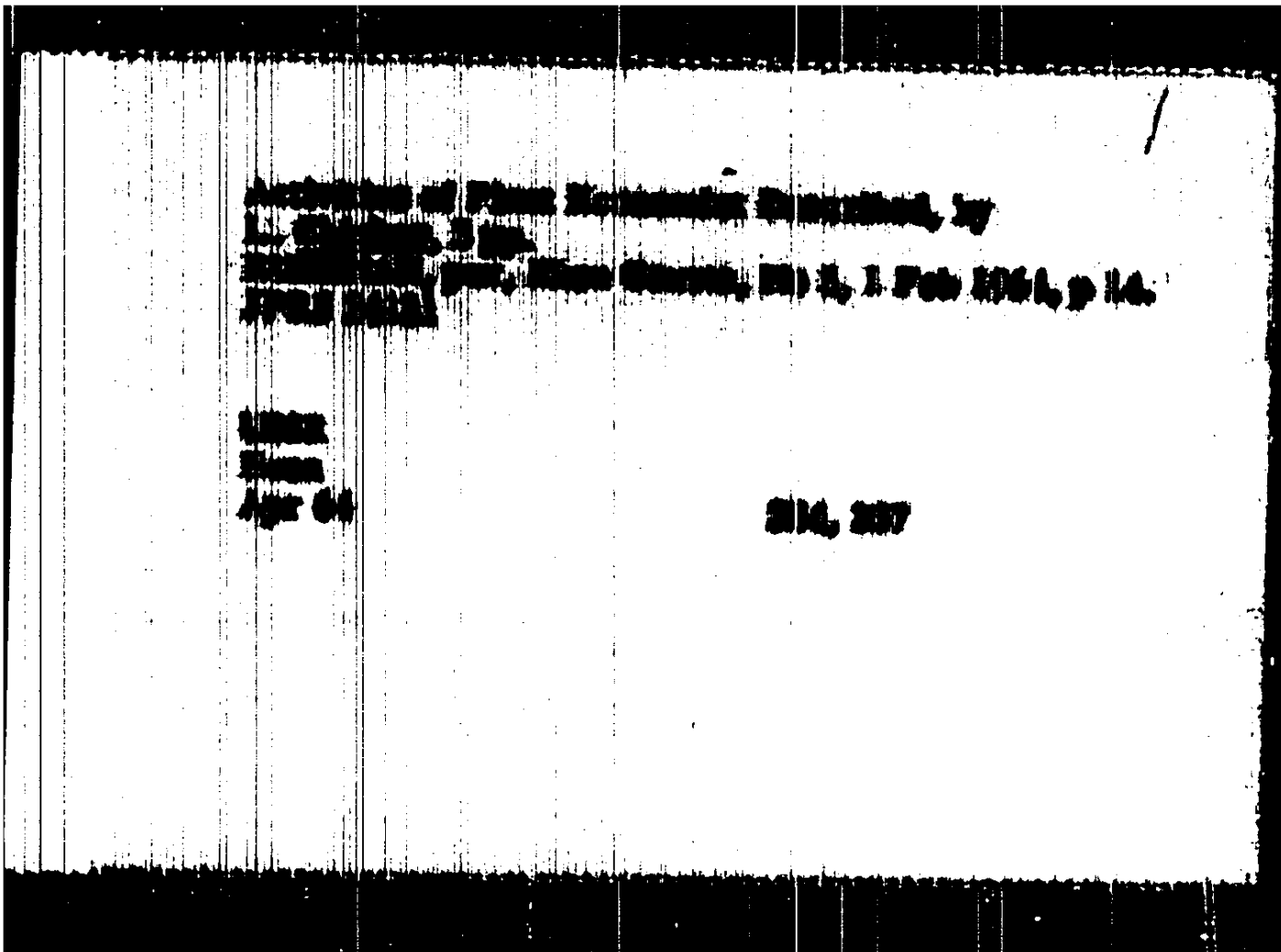
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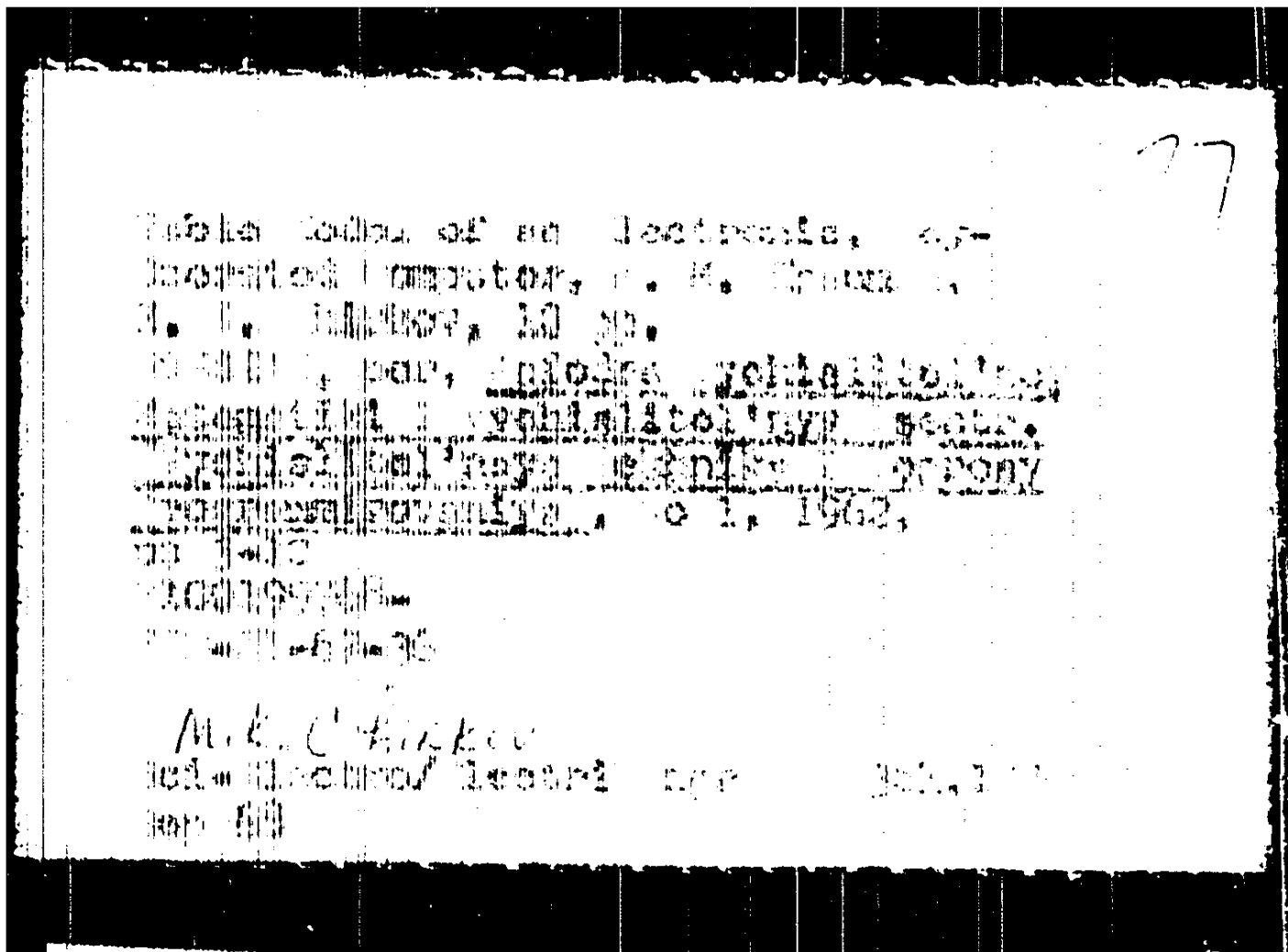
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1944, v. 45, p. 244-247.

DESCRIPTORS: *Hydrocarbons, Oxidation, *Ethane, Catalysts, Water vapor, Chemical reactions.

In the oxidation of ethane in stoichiometric proportions with oxygen the reaction rate at a temperature of 466 and 486°C depends upon the quantity of the substance that has reacted and upon the quantity of water vapour added. It is impossible to explain the acceleration of the reaction by the catalytic action of water alone, some kind of intermediate products exist that cause the
(Chemistry--Organic, TT, v. 6, no. 7) (over)

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II. Title: Catalytic...

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II. OXIDATION OF ETHANE AT TEMPERATURES
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Trans. of [Akademiya Nauk SSSR]. Comptes Rendus
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DESCRIPTORS: *Hydrocarbons, *Ethanes, Oxidation,
Water vapor, Catalysts.

The induction period in oxidation of ethane was studied.
Below 600° water vapor catalyzes oxidation of ethane,
but not above this temperature. At 630° C and pres-
sures of 100-300 mm mercury the induction period of
oxidation of ethane was not affected by 3. 6% water.
(Author) (See also 61-18197)

(Chemistry--Organic, TT, v. 6, no. 7)

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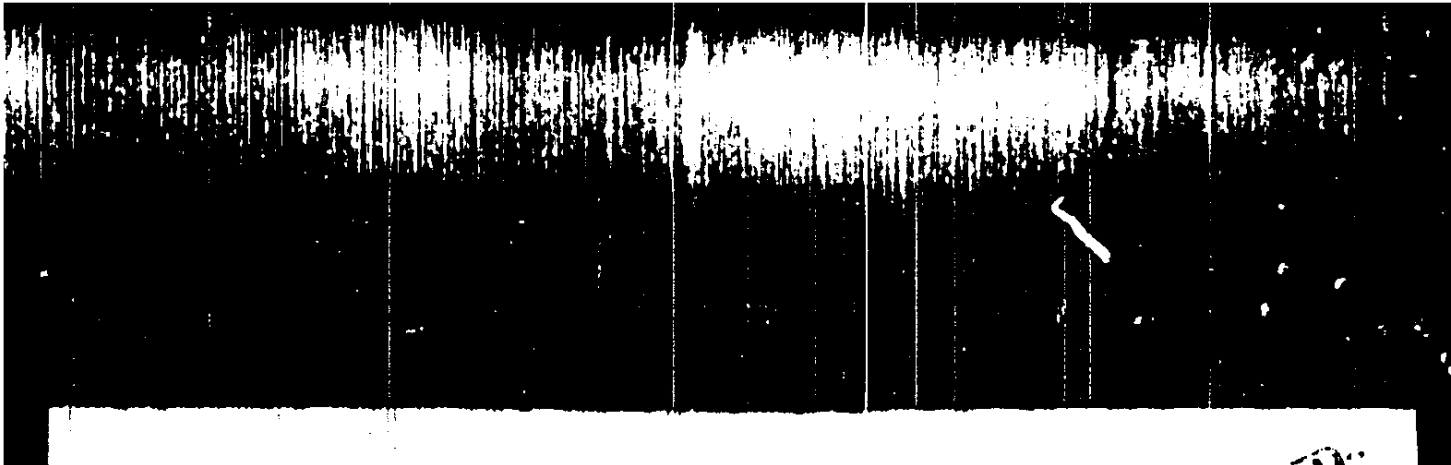
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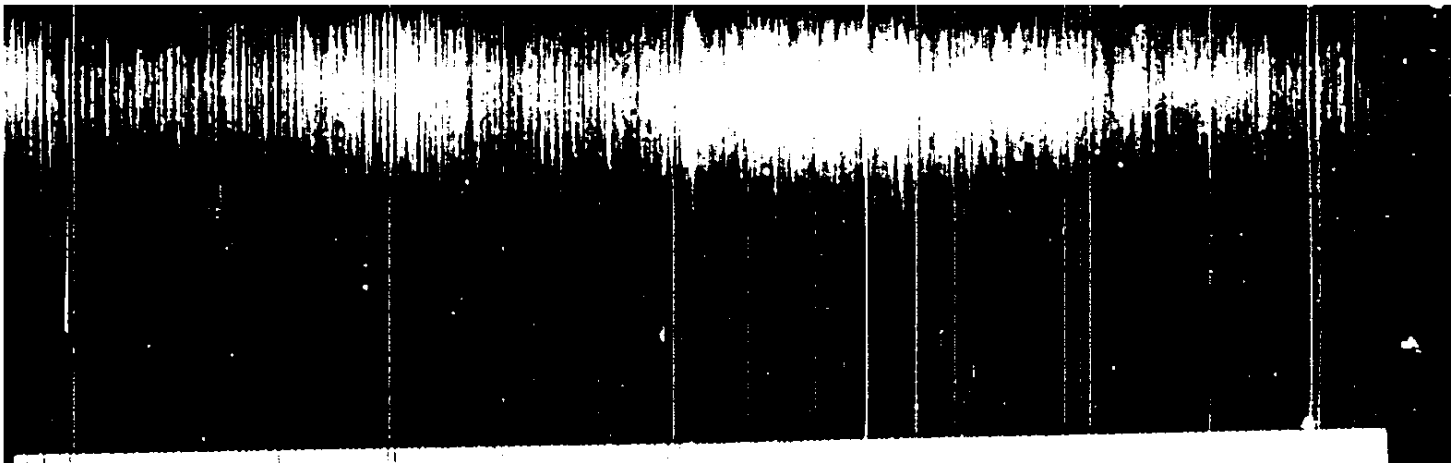
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