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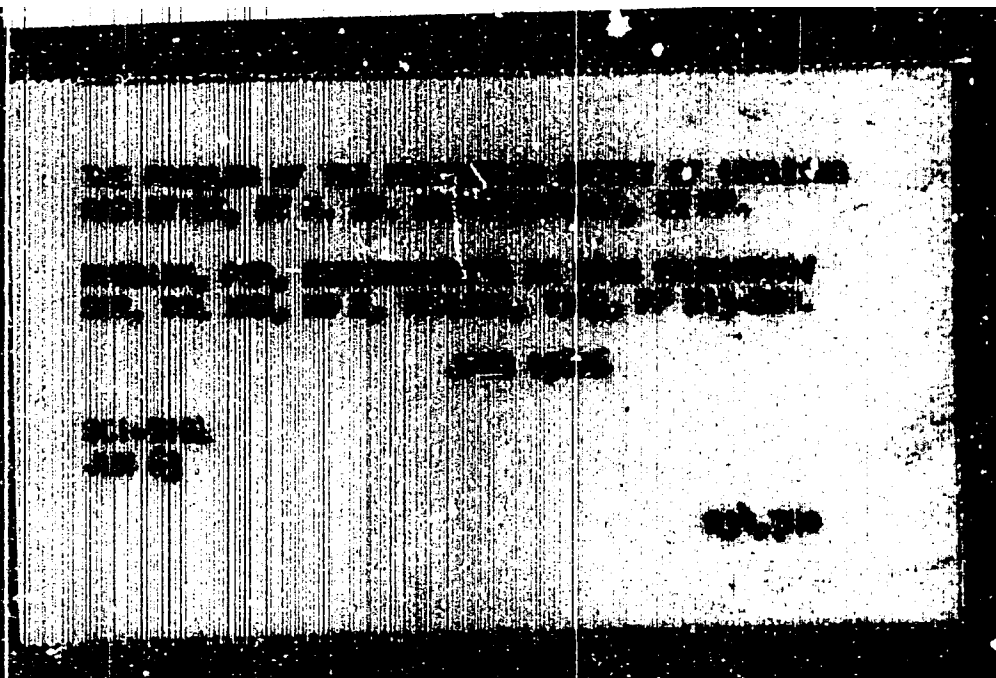
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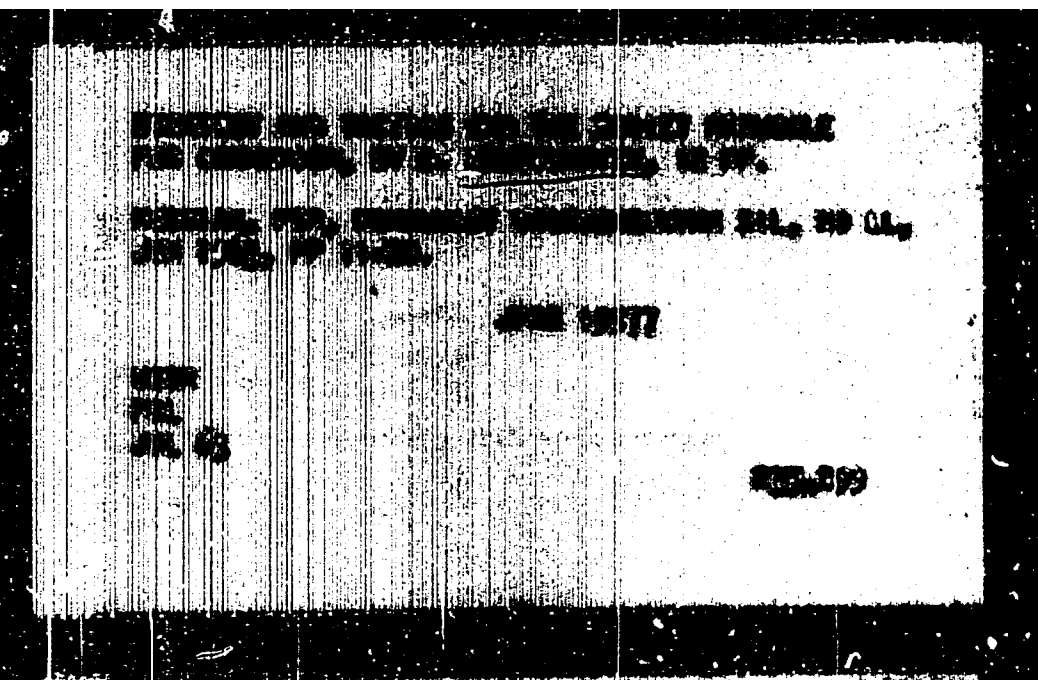
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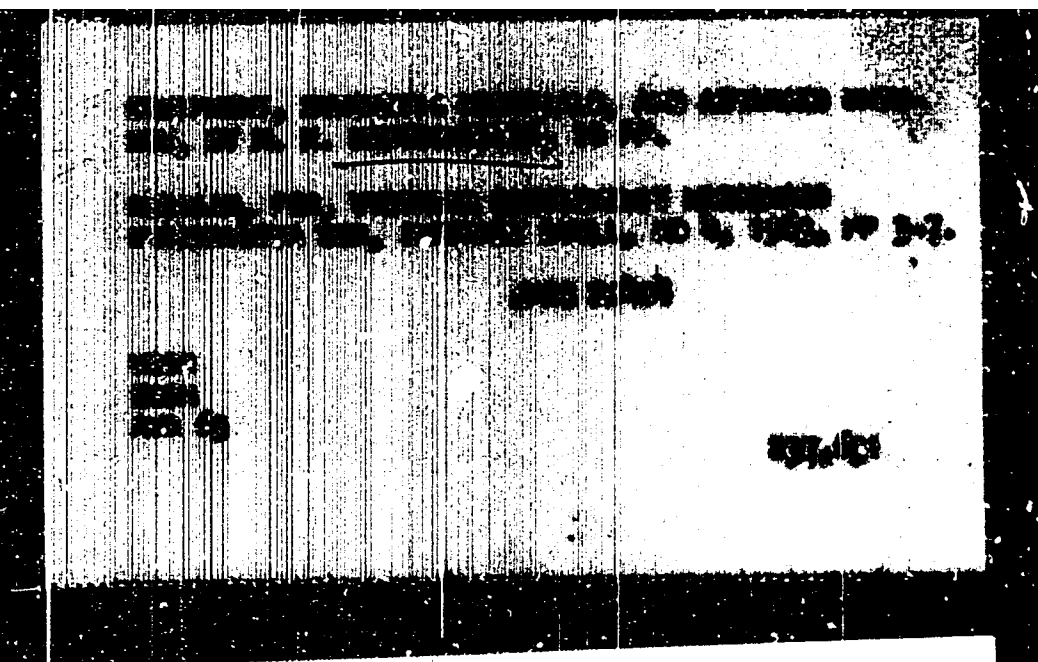
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 Photoelectric effect, Photoelectric cells (Semiconductors)

The photo-potential difference obtained with sulfur
 photocells under completely uniform illumination of
 both electrodes is in essence the contact potential dif-
 ference between the elect. des. Under illumination the
 sulfur becomes a conductor, creating the necessary
 conductive medium for its discovery. (Author)

(Physics--Solid State, TT, v. 10, no. 10)

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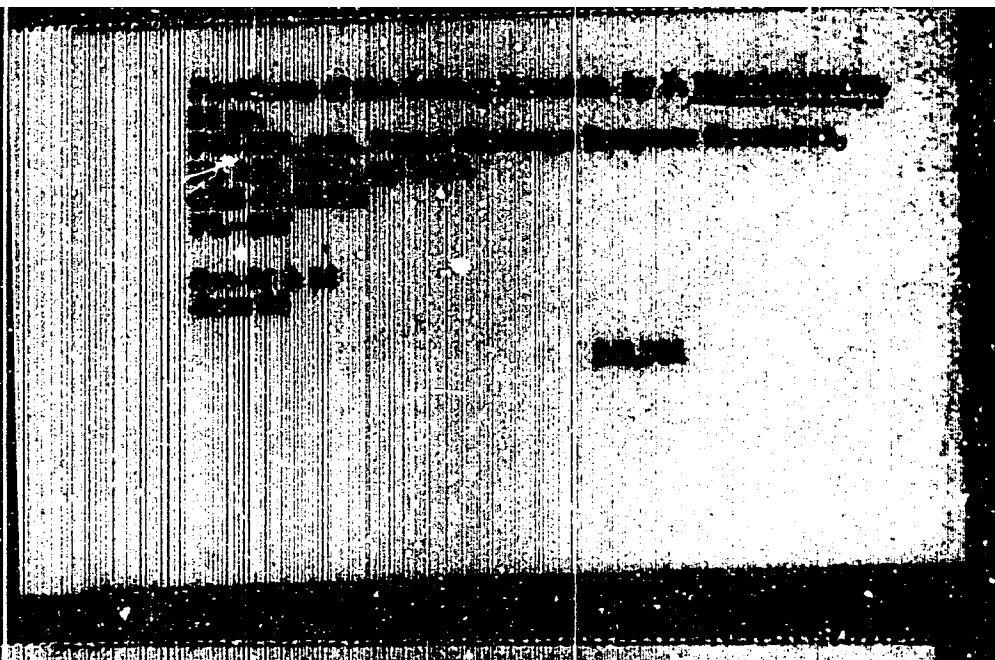
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 ditioning the different strength of various coals was
 carried out. Analysis was also carried out of volu-
 metric changes occurring during the coking process at
 the transformation of coal into coke as causes of crack-
 ing of coke. Taking into account the conclusions result-
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 Washington, D. C.

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DESCRIPTORS: *Coke, Ovens, *Coal tar, Decomposi-
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DESCRIPTORS: *Coal, Hydrogenation, *Coke, Physi-
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Mild hydrogenation of coal tends to increase the car-
bon content in coal being hydrogenated. Simultaneously
with the increase in carbon, there occurs a decrease
in volatile matter content, which stops, at the second
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