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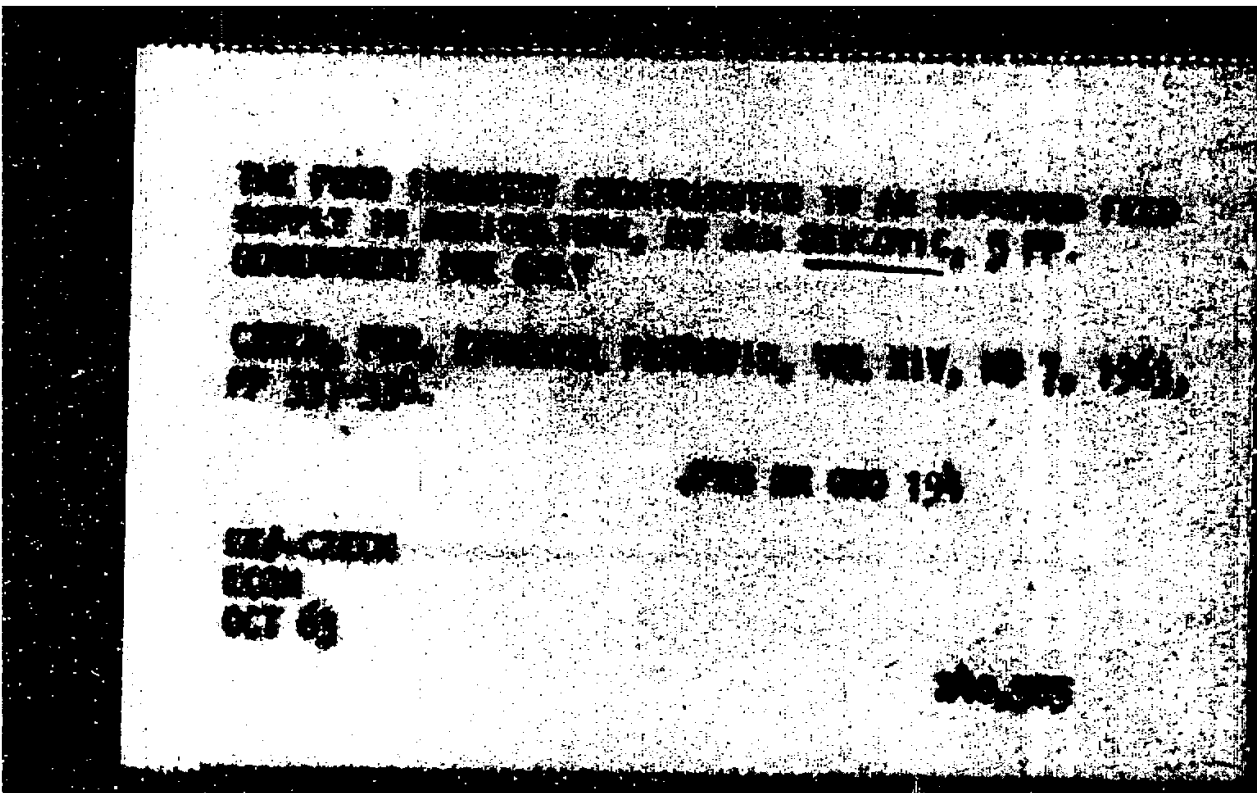
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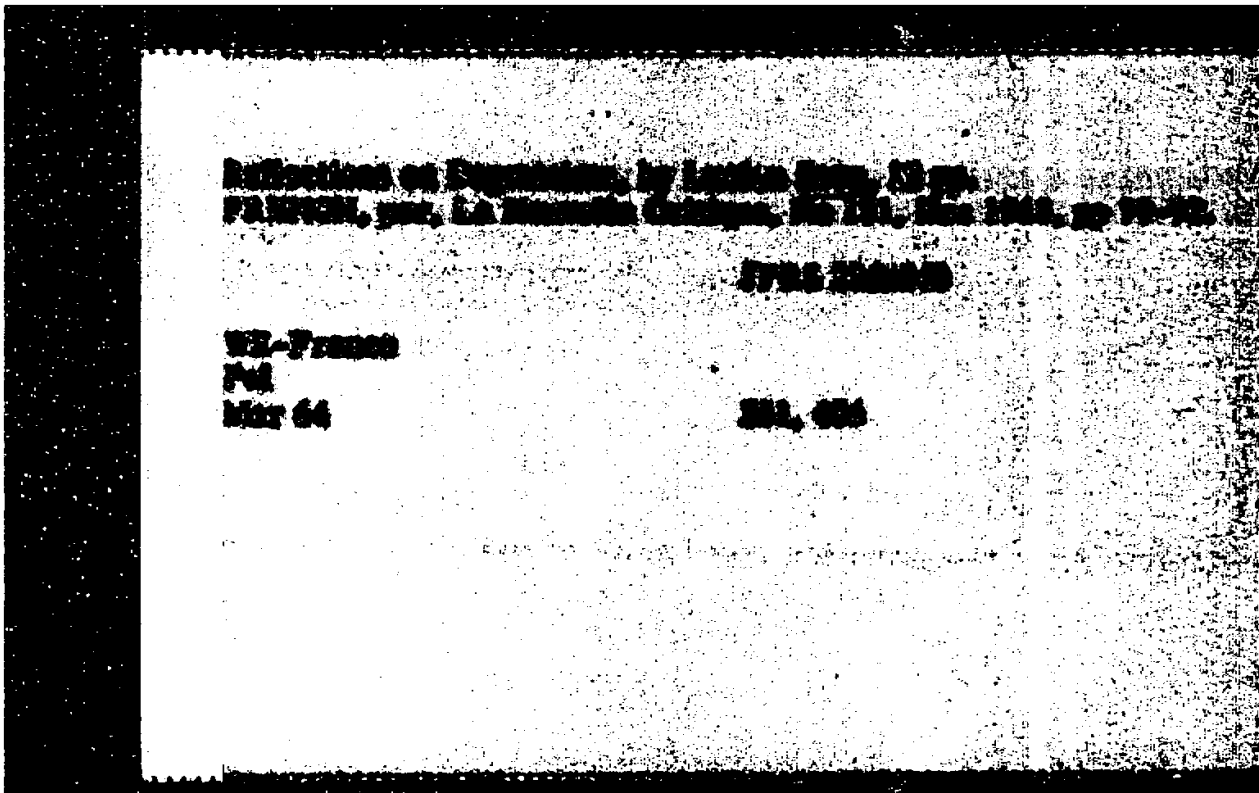
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WHITENESS TESTING OF SHEETS CONTAINING  
FLUORESCENT DYES. [1961] 10p. 15 refs.

Order from SLA \$1.10

62-10609

Trans. of A[ssociation] T[echnique de] [l]'[industrie]  
P[apetiere]. Bull[etin] (France) 1961, no. 2,  
p. 132-139.

DESCRIPTORS: \*Paper, \*Fluorescent dyes, Color-  
imetry, \*Colorimetric analysis, Ultraviolet radiation,  
Test methods.

Modern research on the measurement of whiteness by  
a single quantity is first reviewed, and the need for  
extending such research to materials containing fluo-  
rescent dyes is shown. The work was undertaken by  
means of a Zeiss precision colorimeter. Measure-  
ments were made on a range of papers dyed with  
known and increasing amounts of a fluorescent dye.  
(Materials--Paper, TT, v. 7, no. 11) (over)

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269070

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THE MEASUREMENT OF PAPER GLOSS. [1961]

16p. (23 figs. omitted) 18 refs.

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DESCRIPTORS: \*Paper, Luminescence, Reflection,  
Measurement, Optical equipment.

A critical investigation of the concept of gloss is undertaken. The part of subjectivity in the evaluation of gloss is recalled. It is then shown that various kinds of gloss exist, which are not evaluated in the same manner. The investigation was restricted to materials such as papers, which do not give apparent specular images. It is shown that the main parameter of gloss is the excess of the luminance factor in the direction of direct reflection over the luminance factor in another direction, where no specular reflection (Materials--Paper, TT, v. 7, no. 11) (over)

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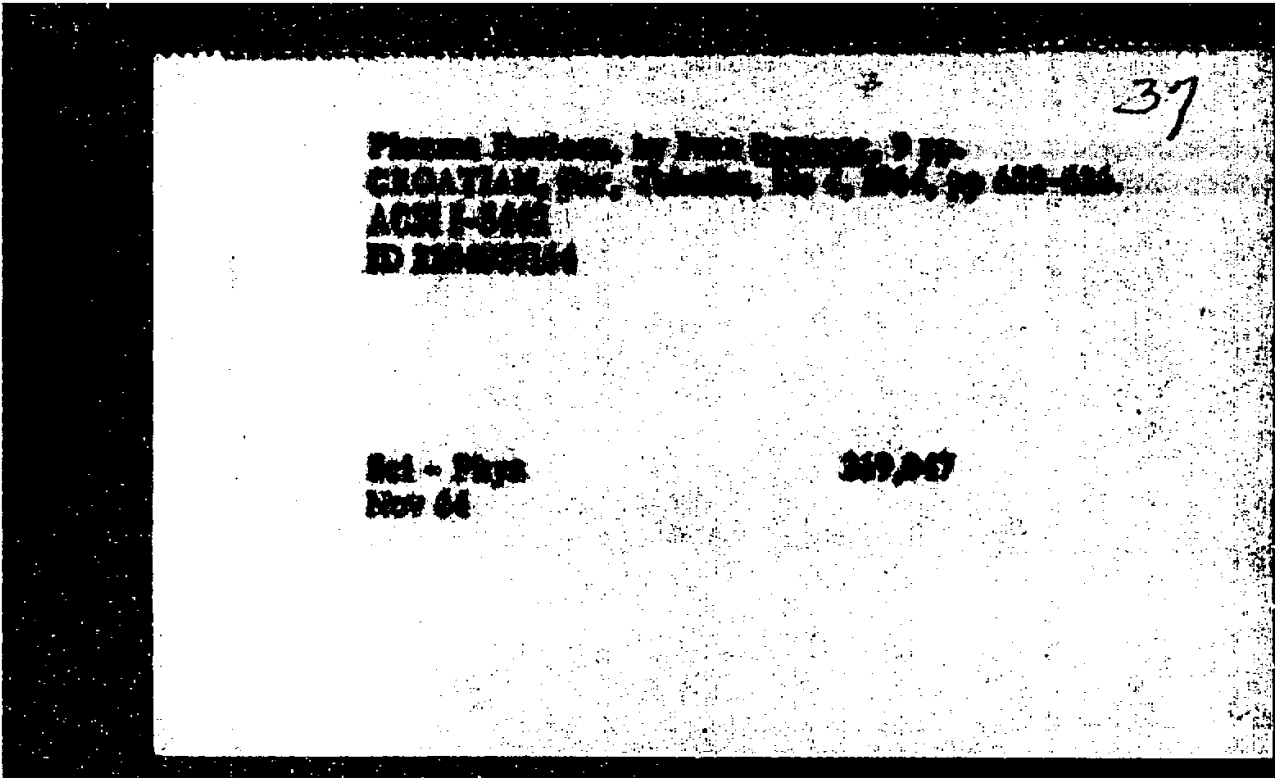
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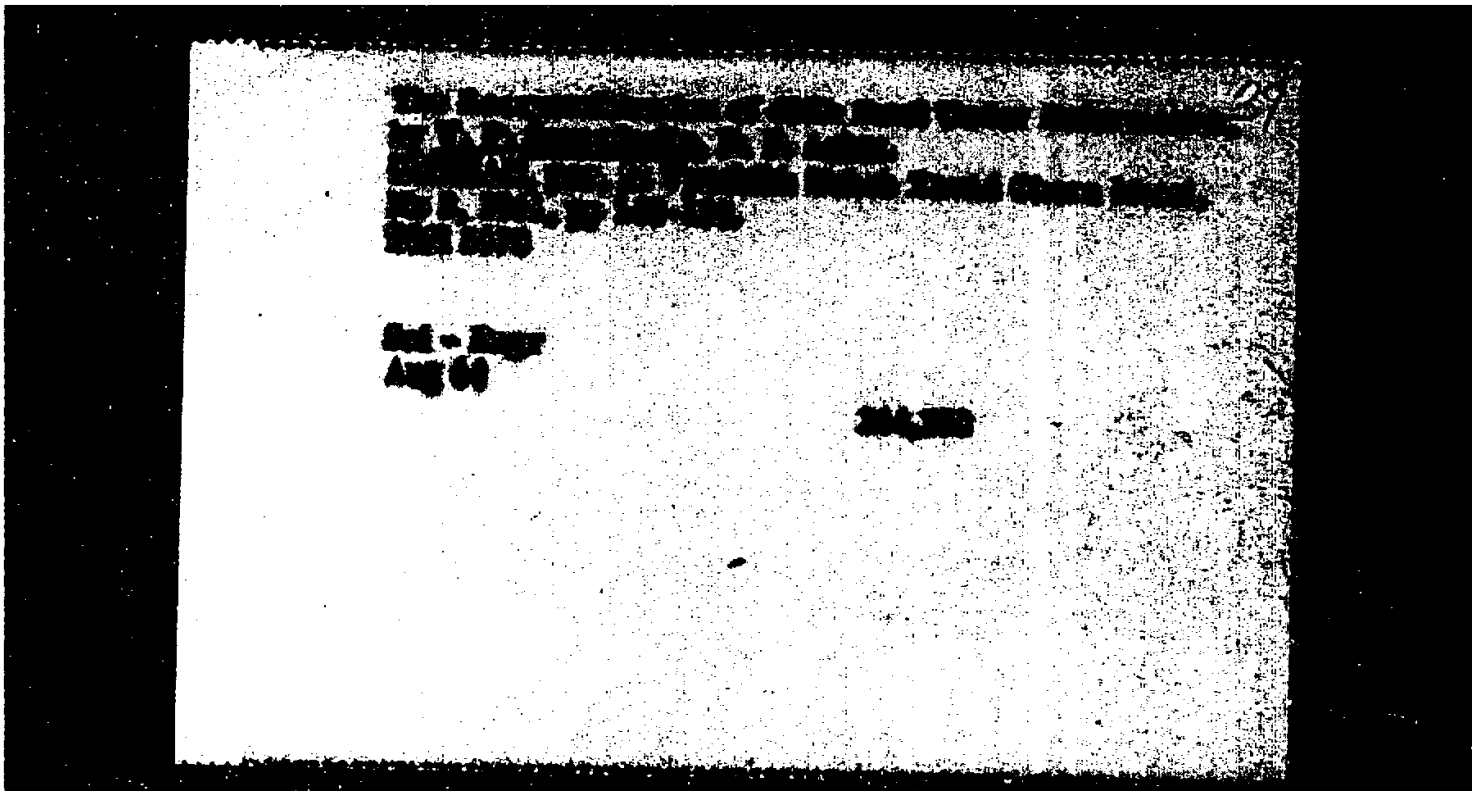
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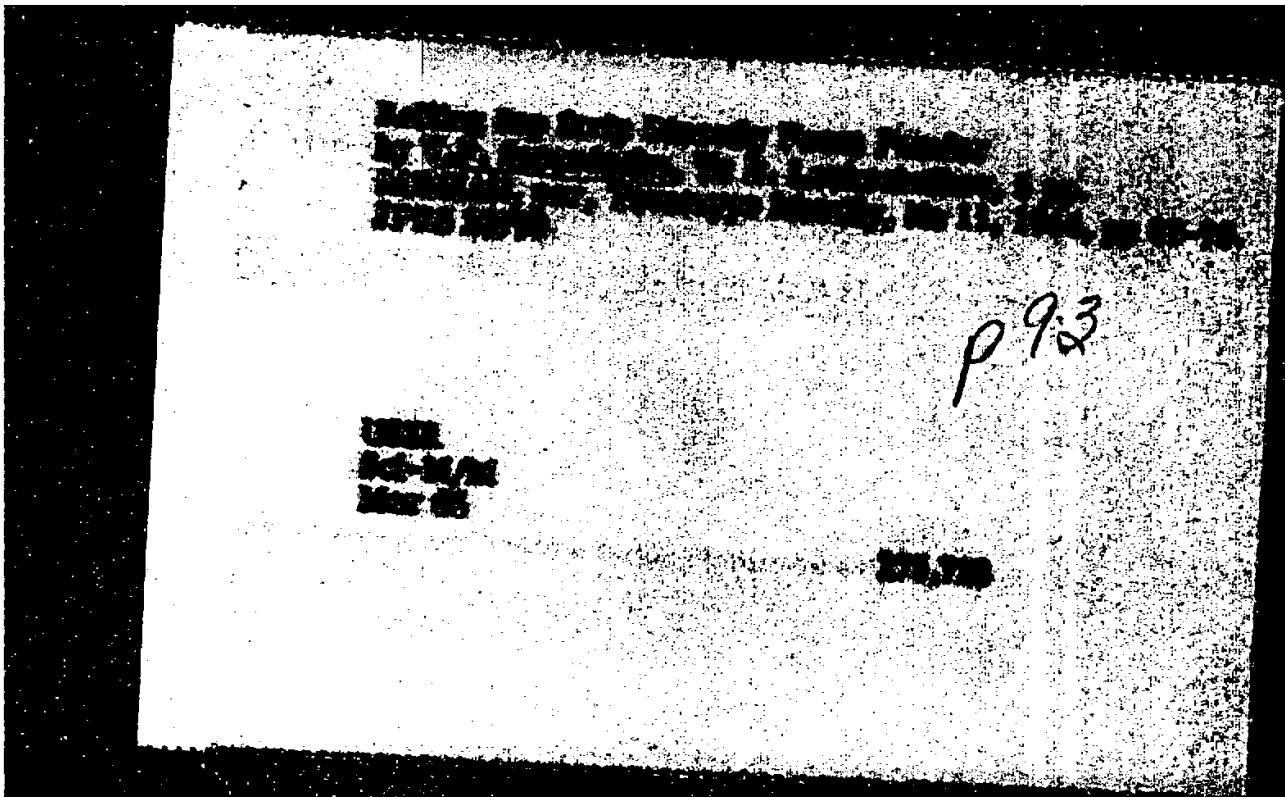
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DESCRIPTORS: \*Magnetic materials, Ferromagnetic  
materials, \*Ferrites, Chemical properties, \*Crystal  
structure, Spinel, Garnet, Manufacturing methods,  
Material forming, Sintering, \*Single crystals, Crystal  
growth, Zone melting.

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DESCRIPTORS: Rare earth ions, Ions, \*Holmium  
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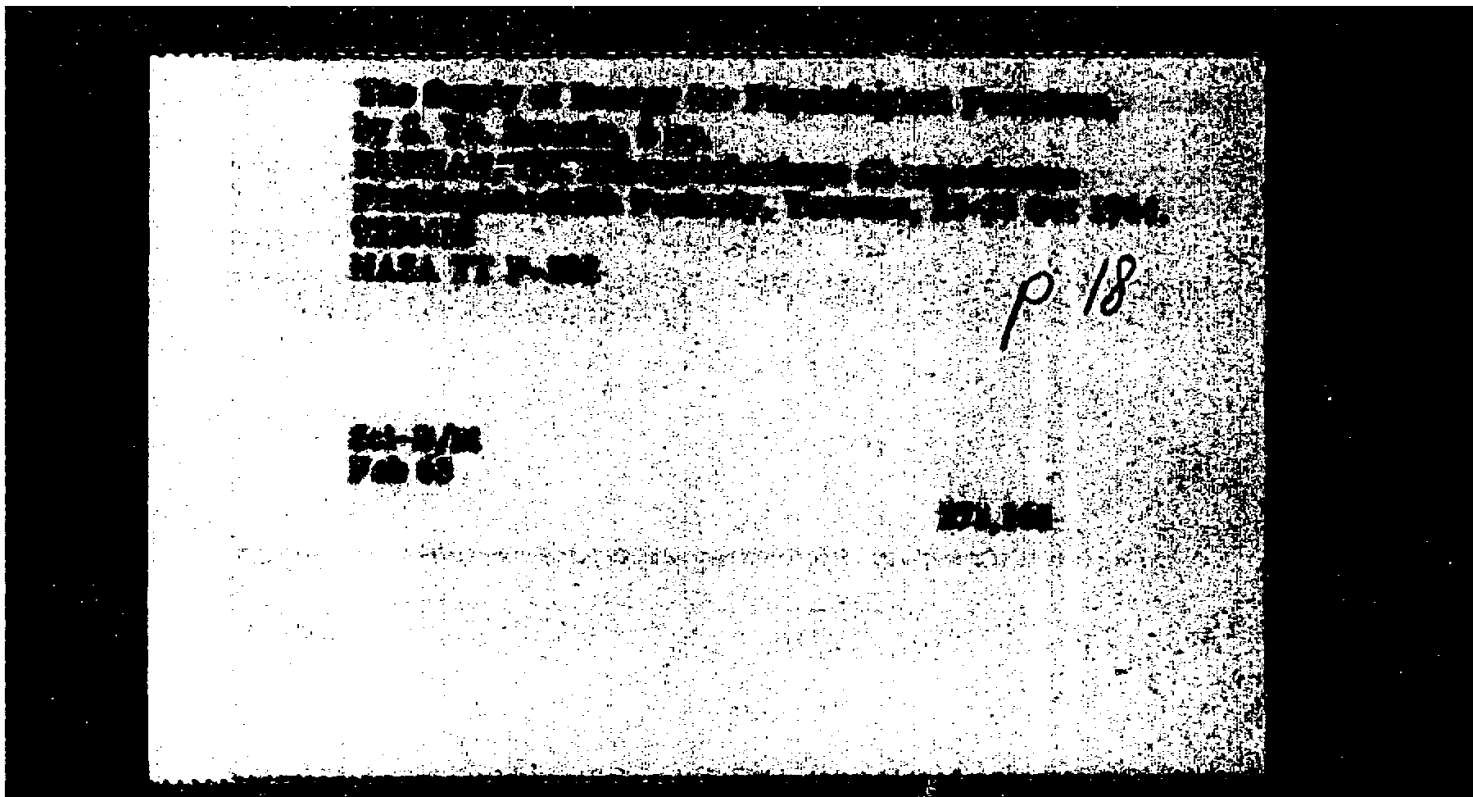
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