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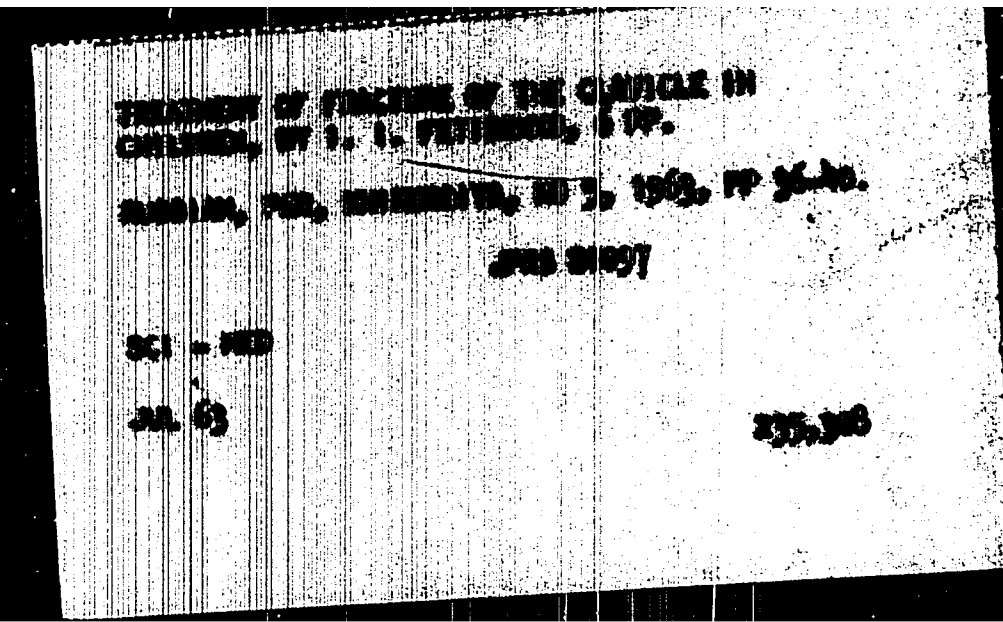
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While the analysis of coating agents and their components gives reliable results, the composition of dried coats can be determined mostly only with difficulty. Paper-chromatographic identification of fatty acids contained in coats enables a statement about the kind (Materials--Finishes, TT, v. 10, no. 12) (over)

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M. Feuerhahn, 49 pp.

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GERMAN, ~~aper~~, Landbauforschung, Vol 11, No 3,  
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~~PLOWING - OR SOMETHING ELSE~~ (Pfluegen - oder was  
Sonst). 11p (foreign text included) 4 refs.

Order from SLA: \$1.60 as TT-65-14155

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1964.

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Measurements of Extremely Low Dust Fluxes,  
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DIFFUSION OF IMPURITY IN SILICON. [1961]  
[52]p. 31 refs.  
Order from SLA \$5.60

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Trans. of Journ[al] de Chimie Phys[ique] (France)  
1960, v. 57, no. 3, p. 228-247.

DESCRIPTORS: \*Silicon, Surface properties, \*[im-  
purities, Boron, Phosphorus, Gallium, Aluminum,  
Diffusion, Thermodynamics.

(Chemistry--Physical, TT, v. 7, no. 4)

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I. Feuillade, G.  
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NIE 12-16-61

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Diffusion of Boron and Phosphorus in Silicon,  
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After presenting the means of research, we consider  
the sundry influences that are manifested in the course  
of an "actual" diffusion. The results derived from this  
study are expressed as value of a single parameter,  
surface concentration, the variation of which, as a  
function of diffusion conditions, synthetically indicates  
the areas of optimum production and, on the theoretic  
level, the complex physicochemical arrangements to  
which reactions in the interfacial region adhere. This  
plan is repeated for boron and phosphorus, to bring out  
the common features subject to generalization. (Author)

(Physics--Solid State, TT, v. 5, no. 12)

61-10994

1. Semiconductors--Impurities
  2. Silicon crystals--Impurities
  3. Boron--Diffusion
  4. Phosphorus--Diffusion
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TO ETCHING OF THE CHEMICAL AND CRYSTAL-  
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Trans. of Journ[al] de Chimie Physique (France) 1961,  
v. 58, no. 4, p. 418-441.

DESCRIPTORS: \*Silicon, Photoengraving, Reaction  
kinetics, Electrochemistry, Crystal structure, Cor-  
rosion, Dislocations, \*Semiconductors, Surface  
properties.

62-18713

This study undertakes to generalize the theory of  
staining and etching of the surface irregularities in  
silicon and to develop therefrom the different aspects  
(chemical or physical attacks on the surfaces) into a  
general scheme, which can be directly interpreted by  
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THERMOELECTRIC FORCE. [1962] 9p. (figs. omitted)  
Order from SLA \$1.10 62-18282

Trans. of [ETZ] Elektrotechnische Zeitschrift.  
[Ausgabe A. Zentralblatt für Elektrotechnik] (Germany)  
1927 [v. 48] no. 16, p. 535-537.

DESCRIPTORS: \*Thermocouples, Materials, Alloys,  
\*Thermoelectricity, Economics.

Corresponding to their position in the periodic table of  
elements, alloys of gold and silver with palladium and  
platinum have thermoelectric forces against copper and  
other metals of comparable magnitude to that of the  
well-known alloy constantan (copper-nickel). After the  
discussion of general points a new alloy is described  
which was used in the preparation of a new noble metal  
(Physics--Thermodynamics, TT, v. 9, no. 9) (over)

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