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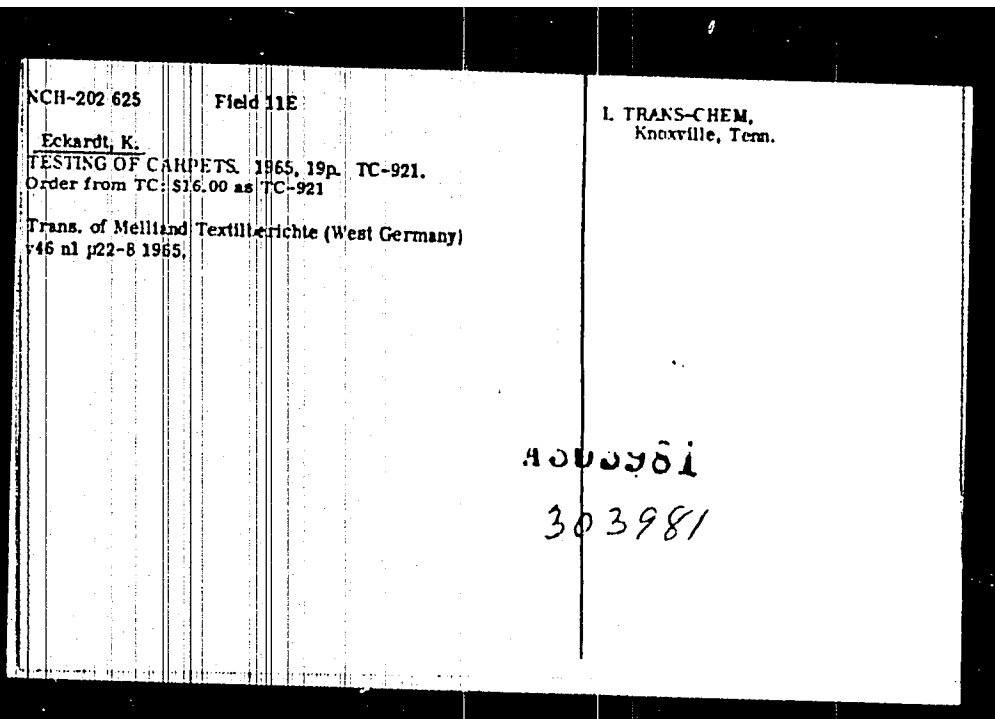
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Physik (East Germany) 1954 [ser. 6] v. 14 [no. 6]  
p. 233-252.

DESCRIPTORS: \*Selenium, \*Electrical conductance,  
Temperature, Semiconductors, Impurities, Bromine,  
Solids, Liquids, Vacuum apparatus, Crystal structure.

The dependence of conductivity on temperature of solid  
and liquid selenium is essentially determined by the  
purity of the selenium and is substantially influenced  
by the introduction of oxygen in the case of highly puri-  
fied selenium. An E-value of 2.2-2.9 ev. was meas-  
ured from a very reproducible  $\log \sigma - 1/T$  straight line  
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SLA 60-18350

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DESCRIPTORS: \*Steel, Spectrographic analysis, \*Phosphorus, Determination, Metallurgical analysis, Chemical engineering.

(Metallurgy--Ferrous Metals, TT, v. 7, no. 4(over))

I. Eckhard, S.  
II. Title: Verein...  
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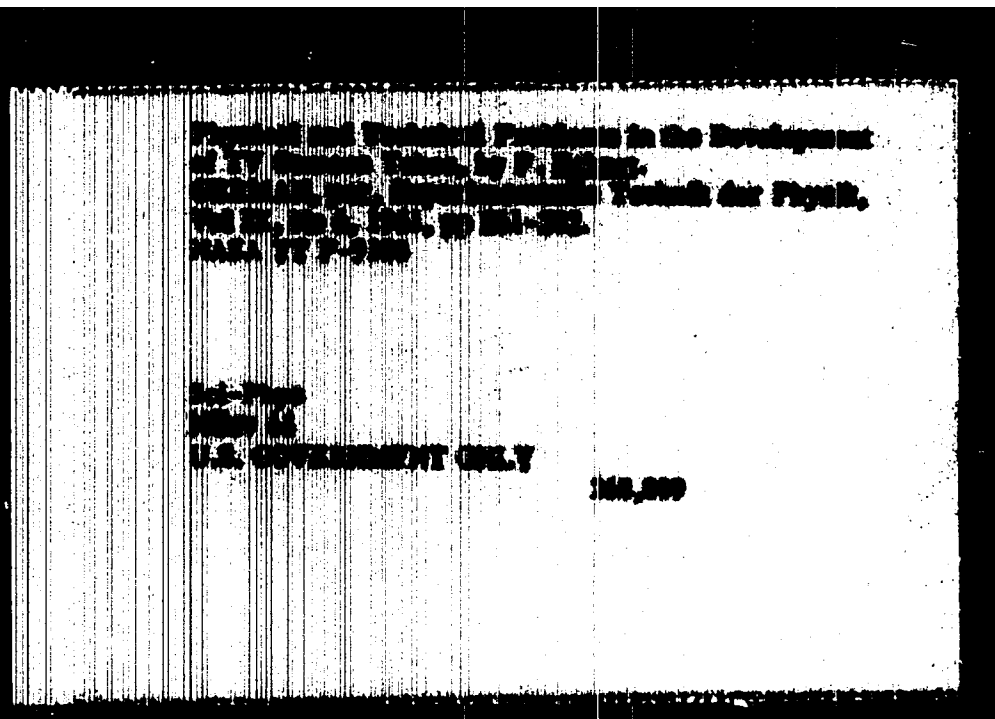
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Trans. of Austrian patent 13,091, cl. 45 e, appl.  
16 Dec 01, beginning of pat. life 15 Mar 03, pub.  
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DESCRIPTORS: \*Pest control, Insecticides, Scattering.

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v. 22, p. 194-198.

DESCRIPTORS: \*Textiles, Friction, Fibers, Wool  
textiles, Cotton textiles, Clothing, \*Wear resistance.

(Materials--Textiles, TT, v. 11, no. 5)

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I. Ecker, J.

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Ecker, Lawrence.  
GEOLOGY, BOTANY, GEOGRAPHY, ZOOLOGY,  
ICHTHYOLOGY, AND ORNITHOLOGY: GLOSSARY OF  
RUSSIAN TERMS. [1961] [339]p.  
Order from LC or SLA ml\$11.10, ph\$51.60 61-19684

(Research Methods, Techniques and Equipment,  
TT, v. 5, no. 11)

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Paper presented at the Meetings of the Deutsche Kautschuk-  
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Order from SLA: \$4.60 as TT-65-11948

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p170WT-8WT 1954.

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MR 622

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Trans. of MTZ [Motor-technische Zeitschrift] (Germany)  
1940, Oct., p. 316-327.

DESCRIPTORS: \*Blowers, \*Cooling, \*Internal com-  
bustion engines, Design, Cooling fans, Air-cooled,  
Water,

(Machinery--Engines, TT, v. 11, no. 4)

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62-18789

I. Eckert, B.

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PRESENT STAGE OF DEVELOPMENT AND FUTURE  
PROSPECTS. [1962] 16p.  
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DESCRIPTORS: \*Passenger vehicles, Vehicles, \*Gas  
turbines, Power plants, Design, Torque.

In recent years, the development of gas turbine power  
plants for automobiles in a number of countries has  
become headline news in the automotive world. The  
author reports here on present developments in the USA,  
in England, and in France. Prospects for automotive  
gas turbines are analyzed against the background of  
present power plants for passenger and commercial  
vehicles. Present experience indicates that gas turbines  
are competitive only in the horsepower class of the  
largest commercial-vehicle engines.

100635.3

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DESCRIPTORS: \*Gas turbines, Economics, Combustion chambers, Thermal stresses, Aircraft, Marine engines, Locomotives, Power plants, Propulsion, Effectiveness.

(Machinery--Engines. TT, v. 8, no. 12)

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DESCRIPTORS: \*Turbines, Models (Simulation),  
Compressed air, Aerodynamic configurations,  
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I. Eckert, E.  
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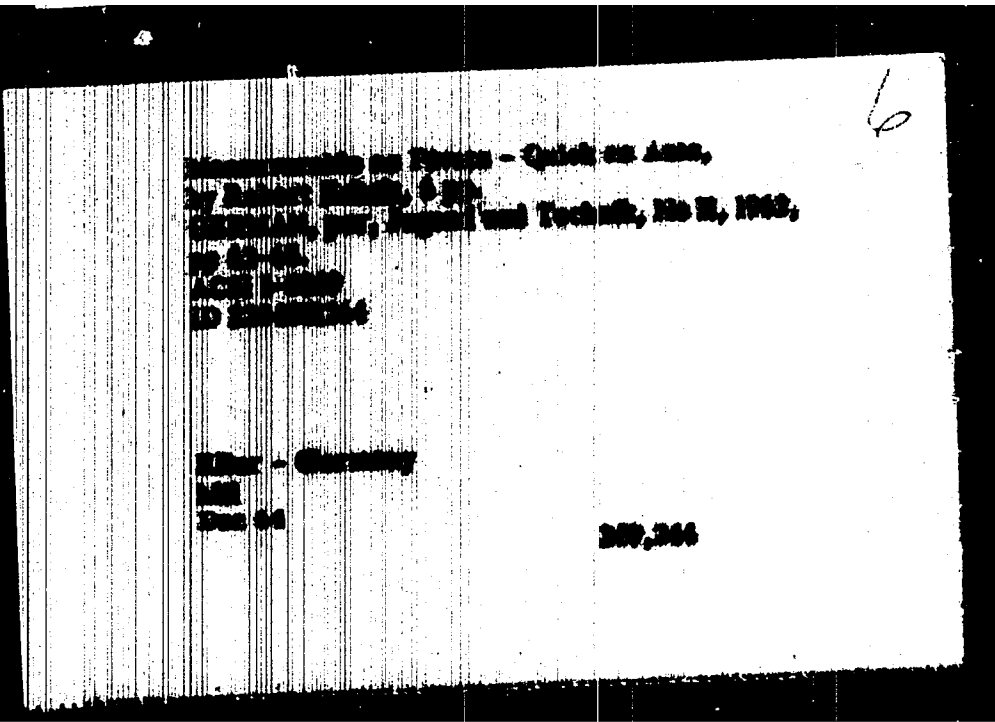
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EXPERIENCES WITH VACUUM SPECTROMETERS IN THE  
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cation 743].

DESCRIPTORS: \*Steel, Spectrographic analysis,  
\*Electrodes, Impurities

By employing a 1.5 m-grating spectrograph and a high  
tension A. C. arc with 4400 V it was possible to lower  
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iron from 0.004 to 0.0001% Al and from 0.009 to  
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(Metallurgy--Ferrous Metals, TT, v. 6, no. 3)

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DESCRIPTORS: Coal tar, Pyridines, Phenols, Naph-  
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analysis, Chromatographic analysis

The conventional analytical methods for valuable coal  
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