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<p>Reinhart, Hans. GRINDING OF HARD METALS (CARBIDES) WITH DIAMOND GRINDING WHEELS. [1962] 13p. (figs. omitted) 4 refs. Order from SLA \$1.60</p>	<p>62-16840 I. Reinhart, H.</p>
<p>Trans. of Werkstatt und Betrieb (West Germany) 1961, v. 94, no. 8, p. 529-533.</p>	<p>0826024</p>
<p>DESCRIPTORS: *Carbides, Metals, *Grinders, *Diamond wheels.</p>	<p>Office of Technical Services</p>
<p>Diamond grinding wheels bonded with bronze were advantageously sharpened with ceramic bonded carborundum honing stones. A requirement was recognized that the grains of the hone must be some- what coarser than those of the diamond used in the apparatus. The rule of thumb for figuring the grain number of the hone in the usual diamond designations of the German Language according to DIN848 (aver- (Machinery, Fabrications and Accessory Equipment, TT, v. 8, no. 9) (over)</p>	

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Synthesis (Normal-Pressure Synthesis)
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CONDUCTION OF ELECTRICITY AND DIFFUSION
IN SEMIMETALLIC ALLOYS. I. Cu_2-xSe . [1962] 12p.
(Figs. omitted) 33 refs.
Order from SLA \$1.60

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Trans. of Z[eitschrift für] Physik[allische] Chem[ie],
Leipzig] (Germany) 1937, v. 38B, p. 221-244.

DESCRIPTORS: *Electrical conductance, *Diffusion,
Alloys, *Copper alloys, *Selenium alloys, *Semicon-
ductors, Thermoelectricity

(Physics--Solid State, TT, v. 10, no. 1)

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II. Mohring, H.
III. Title: Cu_2-xSe

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Reinhold, H., Rood, M. de, and Kenis, Y.
COMBINED EFFETS ON ANGIOTENSIN AND CYCLO-
PROPANE ON HEART RHYTHM (Effets Combines de
l'angiotensine et du Cyclopropane sur le Rythme
Cardiaque). Paper presented at the World Congress of
Anesthetists (no. 2) Toronto, 4-10 Sep 60. [1962]
14p. 23 refs.
Order from SLA \$1.60 62-16114

Trans. of Acta Anaesth[estologica] Belg[ica] 1960, v. 11
[no. 2] p. 163-176.

DESCRIPTORS: *Vasomotor drugs, Epinephrine,
*Anesthesia, Blood pressure, *Heart, *Rhythm,
*Hypertension, *Propanes.

Sixty hypertensive tests were conducted on 12 dogs
anesthetized with cyclopropane, with equipotent doses
of these two vasopressor substances. Examination of
the electrocardiographic tracings has demonstrated
(Biological Sciences--Pharmacology, TT, v. 9, no. 3)
(over)

62-16114

I. Reinhold, H.
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III. Kenis, Y.
IV. Title: World ...

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Reinhold, H. and Branninger, Helmut.
ELECTRICAL CONDUCTIVITY AND DIFFUSION IN
SEMIMETALLIC ALLOYS. III. Cu_{2-x}Te . [1962] 18p.
(figs. omitted) 11 refs.
Order from SLA \$1.60

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Trans. of Z[eitschrift für] Physik[alische] Chem[ie],
Leipzig [Germany] 1938, v. 41B, p. 397-426.

DESCRIPTORS: *Copper alloys, *Tellurium alloys,
*Semiconductors, *Electrical conductance, *Diffusion,
Thermoelectricity.

The specific conductivities of the semimetallic alloys
of the compositions $\text{Cu}_{1.95}\text{Te}$, $\text{Cu}_{1.87}\text{Te}$, $\text{Cu}_{1.80}\text{Te}$
and $\text{Cu}_{1.71}\text{Te}$ were measured in the temperature range
from -400°C to -180°C in dependence on the prelimi-
nary thermal treatment of the alloys. They are of the
order of magnitude of 10^3 to $10^4 \text{ ohm}^{-1} \text{ cm}^{-1}$. The
thermoelectric powers of the cells: Pt Cu_{2-x}Te were
(Physics--Solid State, TT, v. 9, no. 8) (over)

62-20248

I. Reinhold, H.
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COMBINED EFFETS ON ANGIOTENSIN AND CYCLO-
PROPANE ON HEART RHYTHM (Effets Combines de
l'angiotensine et du Cyclopropane sur le Rythme
Cardiaque). Paper presented at the World Congress of
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(Biological Sciences--Pharmacology, TT, v. 9, no. 3)
(over)

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l'angiotensine et du Cyclopropane sur le Rythme
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Trans. of Acta Anaesth[esiologica] Belg[ica] 1960, v. 11
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(Biological Sciences--Pharmacology, TT, v. 9, no. 3)
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62-16114

I. Reinhold, H.
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IV. Title: World ...

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Reinhold, H. and Branninger, Helmut.
ELECTRICAL CONDUCTIVITY AND DIFFUSION IN
SEMIMETALLIC ALLOYS. III. Cu_{2-x}Te . [1962] 18p.
(figs. omitted) 11 refs. 62-20248
Order from SLA \$1.60

Trans. of Z[eitschrift für] Physik[alische] Chem[ie,
Leipzig] (Germany) 1938, v. 41B, p. 397-426.

DESCRIPTORS: *Copper alloys, *Tellurium alloys,
*Semiconductors, *Electrical conductance, *Diffusion,
Thermoelectricity.

The specific conductivities of the semimetallic alloys
of the compositions $\text{Cu}_{1.95}\text{Te}$, $\text{Cu}_{1.87}\text{Te}$, $\text{Cu}_{1.80}\text{Te}$
and $\text{Cu}_{1.71}\text{Te}$ were measured in the temperature range
from -400° to -180°C in dependence on the prelimi-
nary thermal treatment of the alloys. They are of the
order of magnitude of 10^3 to $10^4 \text{ ohm}^{-1} \text{ cm}^{-1}$. The
thermoelectric powers of the cells: Pt Cu_{2-x}Te were
(Physics--Solid State, TT, v. 9, no. 8) (over)

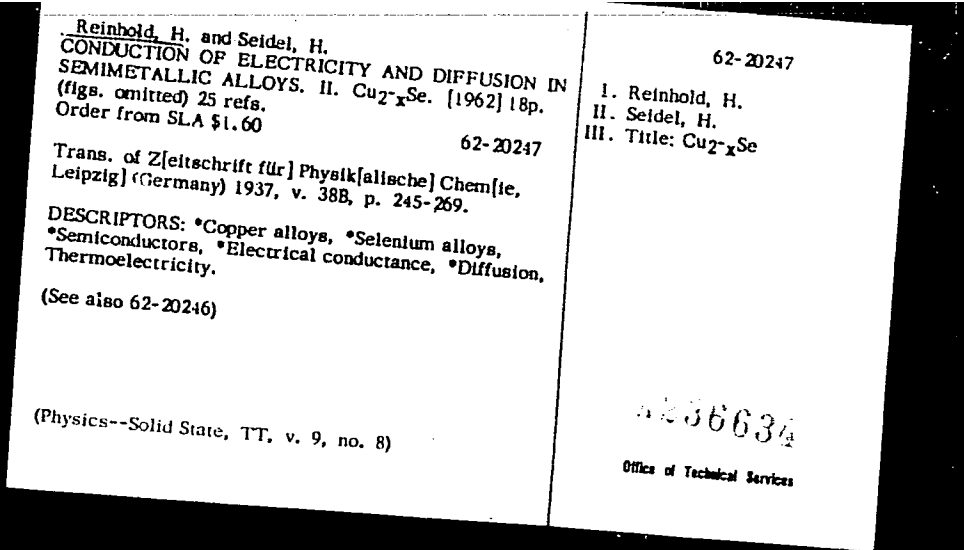
I. Reinhold, H.
II. Branninger, H.
III. Title: Cu_{2-x}Te

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Office of Technical Services

measured in the temperature range from 100° to -150°C in dependence on the preliminary thermal treatment of the alloys. The constants of propagation diffusion were measured in the region of the three enantiotropic phases of the alloy. The order of magnitude amounted to 10^{-2} to $1\text{ cm}^2\text{ day}^{-1}$. The electrolytic transport numbers of the alloys of the compositions $\text{Cu}_{1.85}\text{Te}$ and $\text{Cu}_{1.77}\text{Te}$ were determined at 410°C ($\alpha\text{-Cu}_{2-x}\text{Te}$) and at 335°C ($\beta\text{-Cu}_{2-x}\text{Te}$). They are of the order of magnitude of 10^{-4} . The existence of predominating defect conductivity of electrons and Cu^+ ions was concluded from the results. (Author)

PE-

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<p><u>Reinhold, H. and Schmitt, Karl.</u> CONDUCTION OF ELECTRICITY AND DIFFUSION IN SEMIMETALLIC ALLOYS. IV. ELECTRICAL CONDUCTIVITY AND THERMOELECTRIC POWER OF α-SILVER SULFIDE. [1962] 21p. (figs. omitted) 22 refs. Order from SLA \$2.60 62-20458</p> <p>Trans. of Z[eitschrift für] Physik[alische] Chem[ie], Leipzig] (Germany) 1939, v. 44B, p. 75-97.</p> <p>DESCRIPTORS: *Sulfides, *Silver compounds, *Thermoelectricity, *Electrical conductance, *Semi- conductors, *Diffusion.</p> <p>(See also 62-20248)</p> <p>(Physics--Solid State, TT, v. 9, no. 8)</p>	<p>62-20458</p> <p>I. Reinhold, H. II. Schmitt, K. III. Title: Electrical ...</p> <p>000634</p> <p>Office of Technical Services</p>
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of β -Silver Sulfide. A Contribution to the
Understanding of the Tarnishing Process, by H.
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Some Problems on Testing Scale Formed in Differently
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Coatings, by Hans Reisinger, Bud Schanda, 59pp
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<p><u>Reininger, H.</u> CORROSION PROTECTION BY SPRAYED-ON METAL- LIC COATINGS. [1962] 26p. (figs. tables refs. omit- red). Order from SLA \$2.60 62-18248 Trans. of Werkstoffe und Korrosion (West Germany) 1953, v. 4, p. 156-172. DESCRIPTORS: *Corrosion inhibition, *Metal coatings, Surface properties, Paint sprayers, Adhesion.</p> <p>(Metallurgy--Corrosion, TT, v. 9, no. 4)</p>	<p>62-18248 I. Reininger, H. C227725 Office of Technical Services</p>
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<p>Reininger, H. POWDERED COLDSPRAY PROCESS. (1962), 10 p. (figs. tables omitted) 9 refs. Order from SLA \$1.10</p> <p>Trans. of Werkstoffe und Korrosion (West Germany) 1956, v. 7, no. 5/9, p. 453-460.</p> <p>DESCRIPTORS: *Coatings, Powders, Sprays, *Paint sprayers, Spray nozzles. *Corrosion inhibition.</p> <p>A two-nozzled cold-spraying gun is described by means of which it is possible to spray suitable metallic and non-metallic powder and any mixtures, both together with a binding agent under six atmospheres in order to make protective coatings. Smooth metallic surfaces must be previously rendered rough by sanding, and zinc spraying of 0.05 to 0.1mm thickness layers has proved to be suitable as an intermediary layer. (Author) (Metallurgy--Corrosion, TT, v. 9, no. 3)</p>	<p>62-1654:</p> <p>I. Reininger, H.</p> <p>C227534</p> <p>Office of Technical Services</p>
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Measuring of Metallized Coat Thickness in the
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E-Layer in Pulsed Transmission Over 1,700
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GERMAN, per, A. E. Ue, Vol XIX, No 7, 1965,
pp 361-366.
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16 pp.

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A THEORY OF THE DEFORMATION AND THE
FAILURE OF CONCRETE. [1961] 31p. 10 refs.
Order from SLA \$3.60 61-18957

Trans. of Betong (Sweden) 1955, v. 40, no. 1,
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DESCRIPTORS: *Concrete, Deformation, Failure
(Mechanics), Physical properties, Rupture, Theory,
Stresses.

A theory is proposed to explain the behaviour of con-
crete - the nature of rupture and crack formation, de-
formation in connection with rupture, the variation of
Poisson's ratio under an increasing load, the function
of reinforcement in the case of spiral reinforcement of
columns, etc.

(Materials, TT, v. 6, no. 12)

Office of Technical Services

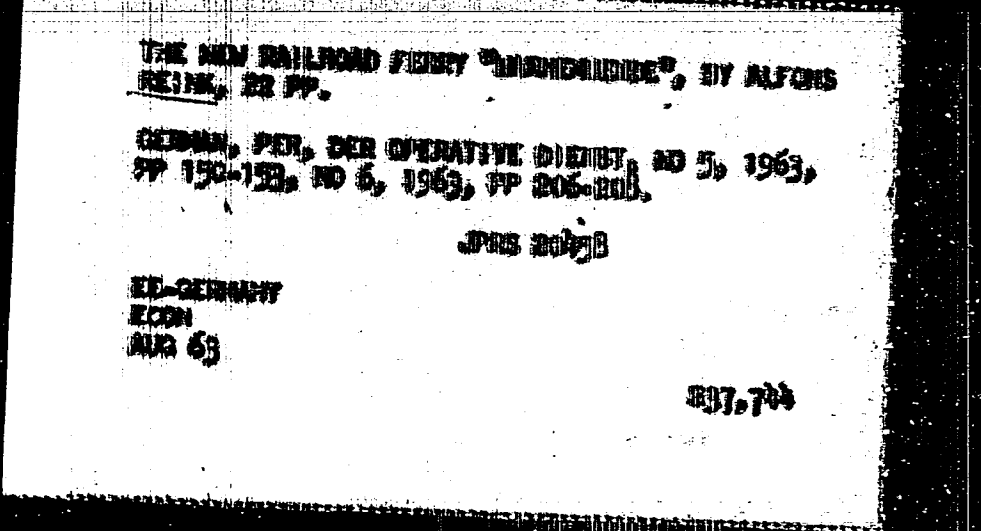
A Theory of the Deformation and the Failure of
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like Body by Path Controlled Mill, by
H. Clausen, P. Reinke.
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P. Reinke

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 2. Quartz fibers--
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Chromic Acid Solutions Containing Foreign Ions, by
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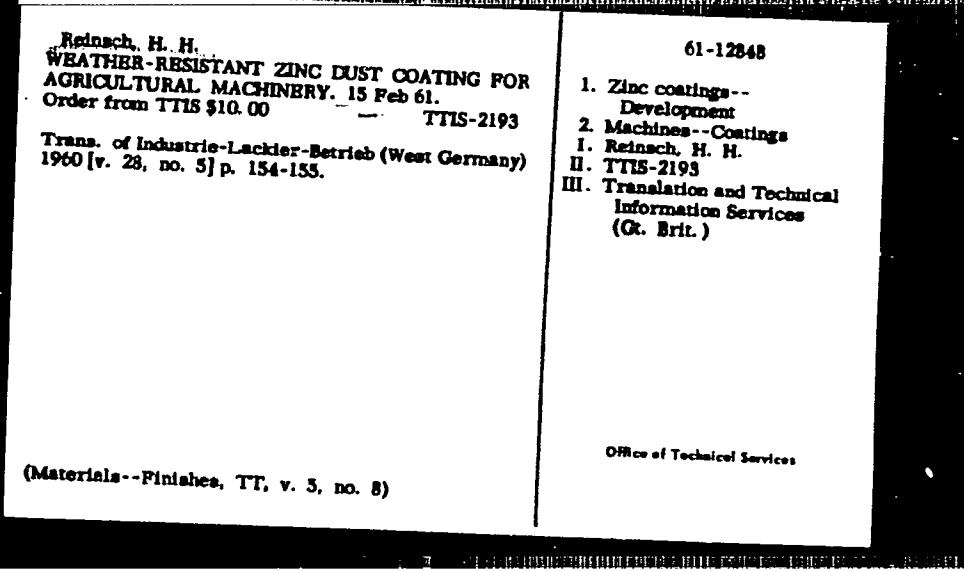
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