

On the Interpretation of Corrosion Processes
Through the Superposition of Electrochemical
Partial Processes and on the Potential of Mixed
Electrodes, by C. Wagner, W. Traud.

GERMAN, per, Z fuer Elektrochem, Vol XLIV, No 7,
1938, pp 391-402.

MIT Lincoln Lab

Sci - Chem

Apr 58

61,493

On the Statistics of the Timelag to Breakdown in
Air at Atmospheric Pressure, by R. Strigel

GERMAN, Elektrochem. Z., 59, 33-37, 1938.

Associated Electrical Industries LTD
Tr No T/460 OT/208

Scientific - Electricity

Diffusion and Vapor Pressure of Zn in CuZn,
by W. Seith.

GERMAN, per, Z. Elektrochem., 44, 1938,
pp 89-102.

*NES TT 70-57344

Sci-Mat
Aug 70

The Dehydration of $\text{MgCl}_2 \cdot 6 \text{H}_2\text{O}$ and Carnallite, by
G. Grube, W. Brauning, 11 pp.

GERMAN, per, Zeits elektrochemie, Vol ~~XLIII~~ XLIV,
1938, pp 134-143.

SIA Tr 1634

Jan 1957

Sci - Chem
Apr 1957

46,190

TI-64-20292

Normal Potential of Deuterium, by E. Abel, O. Redlich,
5 pp.

GERMAN, per, Zeit Elektrochemie, Vol XLIV, Mar 1938,
pp 204-205.

A.E.R.E. Harwell Lib Tr 662

Sci - Chemistry
Mar 57 CTS/dex

44, 333

Electrolytic Transport in Solid Metals, by W. Seith.
GERMAN, per, Z. Elektrochem., Vol 44, 1938, pp 256-260.

*NTIS/NBS TT 71-55105

Available NBS Only

June 71

On the Interpretation of Corrosion Processes Through
the Superposition of Electrochemical Partial Processes
and on the Potential of Mixed Electrodes, by E. C.
Wagner, W. Traud. UNCLASSIFIED

GERMAN, per, Z fuer Elektrochemie, Vol XLIV, No 7, 1938,
pp 391-402.

~~Morris D. Friedman~~
MIT Lincoln Lab

60,548

Sci - Physics
Mar 58

63-16741

I. Flaschbeck-Heidelberg, K.

Flaschbeck-Heidelberg, K.
CONCERNING EQUILIBRIA AND RATES OF REAC-
TION IN THE CONVERSION OF SOLIDS (Über
Gleichgewichte und Reaktionsgeschwindigkeiten bei
Umsetzungen von Festen Stoffen). [1963] 13p. (foreign
text included) 12 refs.
Order from SLA \$1.60

63-16741

Trans. of Zeitschrift [für] Elektrochemie (Germany)
1938, v. 44, no. 8, p. 513-517.

DESCRIPTORS: Solids, *Crystals, Decomposition,
*Chemical equilibrium, *Thermodynamics, *Reaction
kinetics, *Catalysis.

(Chemistry--Physical, TT, v. 10, no. 8)

Office of Technical Services

Normal Volta Potentials, ψ_0 of Electrochemical
Two-Phase Systems Along with a Contribution
to the Time-Dependent Changes of the Surface
Structure of Highly Concentrated Electrolyte
Solutions, by O. Klein, E. Lange, 10 p.

GERMAN, per, Zeit Elektrochem, 1938, Vol XLIV,
No 8, pp 562-568.

ATS-27L33G

109,553

Sci
Mar 60 Vol 2, No 11

The Decarburization Method, by K. E. Zimens.
GERMAN, per, Z. Elektrochem., Vol 44, 1938, pp 590-594.
*NTIS/NBS TT 71-55104
Available NBS Only

June 71

Winkel, A. and Haul, R.
THE FORMATION OF SURFACE OXIDE LAYERS.
I. INACTIVATION OF PYROPHORIC IRON AEROSOLS
BY SURFACE OXIDE FILMS (Über den Aufbau von
Oberflächenoxidschichten (I). Inaktivierung von
Pyrophoren Eisenaerosolen durch Oberflächenoxyd-
filme). [1963] [28]p. (foreign text included) 26 refs.
Order from SLA \$2.60 63-16768

Trans. of Z[schweizer] für Elektrochemie (Germany)
1938, v. 44, no. 9, p. 611-619.

DESCRIPTORS: *Films, *Aerosols, *Iron, *Oxides,
*Pyrophoric materials, Inhibition, Metal powders, Sur-
faces, Heat treatment, Particle size.

(Chemistry--Physical, TT, v. 10, no. 9)

63-16768

I. Winkel, A.
II. Haul, R.
III. Title: Synthesis of surface
oxide layers

Office of Technical Services

A New Method for the Direct Measurement of
Electrotransport in Metal Alloys, by

H. E. Schwarz.

GERMAN, per, Zeit. Elektrochem., No 44, 1938,
pp 648-651.

*NBS TT 70-59109

Available NBS Only

Sci/Mat

Sept 70

Flow of Electrolyte During Reduction at the
Dropping Mercury Electrode, by H. J. Antweiler,
26 pp.

GERMAN, per, Z Elektrochem, Vol XLIV, 1938,
pp 831-840.

AEC Tr 2946

Sci - Physics
Aug 57

51,835

Jost, W. and Müffling, L. von.
AN INVESTIGATION OF THE REACTION KINETICS
OF KNOCKING IN A MOTOR. [1962] 20p. (figs.
omitted) 15 refs.
Order from SLA \$1.60

63-10701

Trans. of Z[eitschrift für] Elektrochem[ie] (Germany)
1939, v. 45, no. 1, p. 1193-99.

DESCRIPTORS: *internal combustion engine,
*Knocking, *Reaction kinetics.

(Machinery--Engines, TT, v. 9, no. 9)

63-10701

I. Jost, W.
II. Müffling, L. von

Office of Technical Services

Photochemistry in the Schumann Ultraviolet, by W.
Groth, 80 pp.

GERMAN, per, Z Elektrochem, Vol XLV, No 3, 193⁹₄,
pp 262-285.

SLA Tr 57-1022

Sci - Chemistry
Oct 57

54,453

TT-64-14636

I. Betacher, D.

Betacher, D.
THE SHAPES OF IRON PRECIPITATES DURING
THERMAL DECOMPOSITION OF IRONPENTACAR-
BONYL IN THE GASEOUS PHASE. [1963] 13p (refa
omitted)

Order from SLA \$1.60

TT-64-14636

Trans. of Z[eitschrift] f[ür] Elektrochem[ie]
(German) 1939, v. 45, no. 4, p. 310-311.

DESCRIPTORS: *Iron compounds, Carbonyl radicals,
Gases, Pyrolysis, *Chemical precipitation, Geometric
forms.

(Chemistry--Physical, TT, v. 11, no. 10)

Office of Technical Services

Phase Relations and Magnetic Behavior in the System
Titanium-Oxygen, by P. Ehrlich, 11 pp.

GERMAN, per, Z. Elektrochem, Vol XLV, 1939, p 362.

SLA 2280

Sci - Chemistry

53,997

The Electrolytic Motion of Au in PbAu Alloys, by
K. E. Schwarz.
GERMAN, per, Z. Elektrochem., Vol 45, 1939, pp 464-466.
*NTIS/NBS TT 71-55109
Available NBS Only

June 71

The Occurrence of Cyanides in Nitrogenation of
Calcium Carbide, by H. H. ~~XX~~ Franck and W. Kindler,
22 pp.

GERMAN, Zeits Elektrochem, Vol XIV, 1939, pp 541-548

S. L. A. Tr 587/56

Sci - Chemistry

38,353

Aug 56 CTE/dex

Kinetics of Precipitation Processes on the
Basis of Magnetic Measurements, by H. Auer, 19 pp.

GERMAN, per, Z Elektrochem, Vol XLV, No 8,
Aug 1939, pp 608-615.

SLA Tr 57-639

Sci - Physics
Sep 57

53,048

An Adiabatic High-Temperature Calorimeter for the
Determination of Heat-Effects Occurring in the
Case of Alloy-Formation, by O. Kubaschewski and
A. Walter.

GERMAN, per. Z. Elektrochem., Vol 45, No 8,
1939, pp 630-636.

BISI 5513

Sci-Mat
Oct 67

340,869

Anomalous Magnetic Properties of Hardenable Alloys, c
H. Bunn, 13 pp.

GERMAN, per, Z Elektrochem, Vol XLV, No 9, Sep 1939,
pp 671-674.

SLA 57-1123.

Sci - ~~MINERALS~~ Minerals/Metals
Feb 58

58,540

Electrotransport of Metals, by K. E. Schwarz.
GERMAN, per, Z. Elektrochem., Vol 45, 1939, pp 712-714.
*NTIS/NBS TT 71-55108
Available NBS Only

June 71

Structure and Function of Electrolytic Chlorine
Cells, by Colestin Haider, 22 pp.

GERMAN, per Z. fuer Elektrochem, Vol XXXIV, 1939,
p 795.

1118

S.L.A. Tr 1046/1956

40,034

Sci - Chemistry
Oct 56 CTS

The Linkage of Water in Hydrates of
Manganese Dioxide, Titanium Dioxide and
Thorium Dioxide, by Oscar Glemser, 16 pp.

GERMAN, per, Z. Elektrochem, Vol XLV, 1939,
pp 820-822, ~~826-829~~.

AEC Tr 2401

Sci - Chemistry

32,477

The Reduction of Columbian Pentoxide With Hydrogen,
by G. Grube, et al, 11 pp.

GERMAN, per, Z^W elektrochem, Vol XLV, No 12,
1939, pp 885-888.

SLA Tr 1635 *Jan 1957*

Sci - Chem
Apr 1957

46,191

Springer, R.
THE MEASUREMENT OF METALLIC LUSTER
(BRIGHTNESS). [1962] 13p. (figs. tables refs. omitted).
Order from SLA \$1.60 62-20341

Trans. of Zeitschrift für Elektrochemie (Germany)
1940, v. 46 [no. 1] p. 3-13.

DESCRIPTORS: *Metals, *Brightness, Measurement,
Optical analysis.

(Physics--Optics, TT, v. 9, no. 10)

62-20341

1. Title: Luster
1. Springer, R.

Office of Technical Service:

Polarographic Studies of Complexes in Aqueous
Solutions, by M. von Stackelberg, H. von Freyhold,
25 pp.

GERMAN, per, Zts fuer Elektrochemie, Vol XLVI,
1940, pp 120-129,

S.L.A. Tr No 677/1955

Sci - Chemistry
Apr 1957 CTS/dex

50,286

TherThermodynamic Analysis of Liquidus
Curves of Intermetallic Compounds,
by Karl Hauffe and Carl Wagner,
GERMAN, per, Ztschr Elektrochem, Vol XLVI
No 3, 1940, pp 160-170. 9230449
AEC-ORNL-Tr-836

Sci-Phys
Dec 65

293,352

Etching of Platinum and Its Alloys through
Alternating Current Electrolysis, by E. Raub.
GERMAN, per. Z Elektrochem, No 46, 1940, pp 195-
202.

*NBS TT 70-57511

Sci-Elec
Aug 70

The Question of Concentration Dependence in
Diffusion, by W. Seith.
GERMAN, per, Z. Elektrochem., No 46, 1940, pp 213-
218.

*NBS TT 70-57548

Sci-Elec
Aug 70

A Study of the Chemical REaction of Cu
With S, by R. Schenck, 11 pp.
GERMAN, per, Z. Elektrochem, vol 46,
1940, pp. 298-308.
*NBS TT 70-57873

Sci/chem
Jun 70

Decomposition Voltages of Lithium Chloride,
Potassium Chloride, and Magnesium Chloride,
by H. Grothe, W. Savelsberg, 31 pp.

GERMAN, per, Z. Elektrochem, Vol XLVI,
1940, pp 336-346.

S.L.A. - AL-298
ATT-63-20773(37pp)

Scientific - Chemistry
CTS 70/Jul 55

25,186

TT-63-20555

Damköhler, Gerhard.

THE INFLUENCE OF TURBULENCE ON THE FLAME
VELOCITY IN GAS MIXTURES. [1963] [67p] (1 fig
omitted) 37refs

Order from SLA \$6.60

TT-63-20555

Trans. of Zeitschrift für Elektrochemie (Germany)
1940, v. 46, p. 601-626.DESCRIPTORS: *Flame propagation, Velocity,
*Turbulence, Gases, Combustion, Laminar flow,
Combustion chambers,

(Chemistry--Physical, TT, v. 11, no. 3)

Office of Technical Services

62-18418

Müller, F., Heuer, E., and Witnes, O.
STUDY OF CONDITIONS OF DEPOSITION IN THE
PRODUCTION OF ELECTROLYTIC IRON SHEET.
28 Mar 51, 9p. (figs. tables refs. omitted).
Order from SLA \$1.10 62-18418

Trans. of Zeitschrift für Elektrochemie (Germany)
1941, v. 47, no. 2, p. 135-143.

DESCRIPTORS: *Sheets, *Iron, Electrodeposition,
Electrochemistry.

(Chemistry--Physical, TT, v. 9, no. 2)

I. Müller, F.
II. Heuer, E.
III. Witnes, O.

Office of Technical Services

On the Activation of Passive Iron in Nitric Acid,
by K. F. Bonhoeffer, 10 pp.

GERMAN, per, Z Elektroch, Vol XLVII, No 2, 1941,
pp 147-150.

SLA Tr 57-1005

Sci - Chemistry

54,684

Oct 57

Oxidation Stages of Ruthenium, II. Oxidation
Potential $\text{Ru}^{\text{III}} \rightleftharpoons \text{Ru}^{\text{IV}}$ in HCl Solution, by
G. Grube, G. Fromm, 9 pp.

GERMAN, per, Z fuer Elektrochem, Vol XLVII, 1941,
pp 208-211. *224 903 6004*

AEC Tr 3065

Sci - Chem
Nov 57

55,074

The Thermodynamics of Electromigration in
the Pt-Cu System, by F. Weibke.
GERMAN, per, Zeit. Elektrochem., No 47, 1941,
pp 421-432.
*NBS IT 70-57272
Available NBS Only

Sci/Elect
Sept 70

The Vapor Pressure of Magnesium Over Aluminum -
Magnesium Alloys, by A. Schneider, E. K. Stoll,
13 pp.

GERMAN, per, Z Elektrochem, Vol XLVII, 1941,
pp 519-526.

CIA 9012567

SLA 57-3132
AEC Tr 3047

Sci - Physics; Min/Metals
Oct 57

54,290

Passivity of Iron and the Ostwald-Lillie Model of Nerve Conduction. III. Oscillographic Investigations of the Cathodic Behavior of Passive Iron and of Platinum in Nitric Acid, by H. Beinert, K. F. Bonhoeffer, 30 pp.

GERMAN, per, Z Elektrochem, Vol XLVII, No 7, 1941, pp 536-545.

SLA 2533

Sci - Minerals/Metals
Oct 57

54,456

The Strength of Cationic Fields and thier
Relationship to Devitrification Processes,
to Compound Formation and to the Melting
Point of Silicates, by A. Dietzel.
GERMAN, per, Z fur Elektrochemie, Vol XLVIII,
No 1, 1942, pp 9-23. 9232035
UCRL Tr 1296(L)

Sci - Chem
Mar 66

296,537

Isentropic Phase Changes in Dissociating Gases and
the Method of Sound Dispersion for the Investigation
of Homogeneous Gas Reactions With Very High Speed,
by Gerhard Kamkohler, 41 pp.

GERMAN, per, Z fuer Elektrochemie, Vol XLVIII, No 3,
1942, pp 177-193.

AEC NACA-TM-1269

Sci
Jun 61

156,067

The Growth of Metal Crystals, by L. Graf,
30 pp.

GERMAN, per, Z. Elektrochem, vol 48,
1942, pp. 181-210.

*NBS TT 70-57872

Sci/mat
Jun 70

Influence of Longitudinal High-Frequency (Super-sonic) Vibrations on the Magnetic Behavior of Nickel. Chap III. Measurements on Nickel Wire Taken With a Ferrograph, by G. Schmid, U. Jetter, 12 pp.

GERMAN, per, Z Elektro-Chem, Vol XLVIII, No 10, Oct 1942, pp 513-522.

SLA 57-171

58,704

Sci - Min/Mat

Feb 58

On The Theory of Liquid Alloys. (Vapour-
Pressures of Metals IV), by A. Schneider,
H. Schmid, 9 pp.

Full translation.

GERMAN, per, Z. Elektrochem, Vol XLVIII, 1942,
pp 640-646.

AERE Tr 11/3/5/354

8471

Scientific - Min/Met

Dec 53

CTS/DEX

On the Question of the Existence of Highly Volatile Platinum Oxide, by A. Schneider.

GERMAN, per, Z Elektrochem, No 49, 1943, pp 55-56.

*NBS TT 70-57517

Sci-Mat
Aug 70

The Diffusion of Copper-Magnesium-Manganese and
Silicon in Aluminum, by H. Buckle, 3 pp.

GERMAN, per, Z. Elektrochem. Vol XLIX, No 4/5,
1943, pp 238-242.

SLA Tr 2297

Sci - Minerals/Metals
Oct 57

54, 017

Conductivity Measurements in Technical
Fused Electrolytes, by Ernest Mantzell,
15pp.
GERMAN, per, Zeitschrift fur Elektrochemie,
Vol 49, No 4/5, 1943, pp 283-287.
K-H-1143 aa.

322,369

Sci - Chemistry
Mar 67

Friedel-Crafts Synthesis of Hydrocarbons, by H.
Ulich, A. Keutmann, A. Geierhaas, 9 pp.

GERMAN, per, Z fur Elektrochemie, Vol XLIX,
No 4/5, 1943, pp 292-296.

SLA 60-14550

Sci

Apr 61

OTS, Vol III, No 12

163,282

Diffusion Measurements in Au and Pt Alloys, by
O. Kubaschewski.
GERMAN, per. Z. Elektrochem, No 50, 1944, pp 138-
144.
*NBS TT 70-57546

Sci-Mat
Aug 70

61-16779

I. Sippel, A.
II. Title: Evolution...

Sippel, Arnulf.
THE PROCESS OF SPINNING IN THE PRODUCTION
OF ARTIFICIAL FIBERS. II. EVOLUTION OF
ORIENTATION AND MECHANICAL PROPERTIES OF
A FIBER DURING THE PROCESS OF ITS FORMA-
TION. [1961] 29p. (5 tables 6 figs. omitted) 15 refs.
Order from SLA \$2.60 61-16779

Trans. of ~~Zelltech~~ [to ~~fir~~] ~~Elektrochem~~ (West
Germany) 1944, v. 50 [no. 11/12] p. 256-266.

DESCRIPTORS: *Synthetic fibers, Processing,
Mechanical properties, Fibers.

The orientation of the molecules during spinning with
solvent removal or cooling off, takes place mainly in
the parts of the boundary surface lamella, which are
the farthest away from the spinneret. (Author)

(Materials--Textiles, TT, v. 6, no. 4)

177676
Office of Technical Services

The Behaviour of the Cadmium Electrode in the
Alkaline Nickel Cadmium Accumulator, by G. Grube,
E. Doetsch. UNCLASSIFIED

GERMAN, per, Z Elektrochem, Vol XLII, No 5,
1946, pp 247-258.

RAE Tr 716

Sci - Chem
Sep 58

71,907

Electric Transport Measurements for the
Investigation of the Heteropolarity of
Solid Intermetallic Phases, by
O. Kubaschewski, K. Reinartz, 24 pp.
GERMAN, per, Z fuer Electrochemie, Vol LII,
No 2, 1948, pp 75-86. 9228242
AEC-AHL-Tr-140

Sci-E Chem
Apr 65

277,070

The Determination of the Shift and Splitting
of the Normal Frequencies of the Sulfate Ion
in Various Anhydrous Alkali Sulfates, by K.
Schaefer, 11 pp.

GERMAN, per, A fuer Elektrochemie, Vol LII,
No 3, 1948, pp 98-103.

Assoc Tech Serv 07K270
14.65

1115-548-65

Sci - Chem
OTS I, 4
Apr 59

85,243

The Measurement of Oxidation Rates of
Metals and the Growth of the Oxide
Film on the Metal Surface, by F. Todt,
11 pp.

GERMAN, per, Z. Elektrochem, vol 53,
1948, pp. 132-142.

*NBS TT 70-57874

Sci/mat
June 70

Reactions in Fused Masses. VII: Equilibrium
in the System $\text{Na}_2\text{O} - \text{TiO}_2$, by H. Lux, 3 pp.

GERMAN, per, Z. fur Electrochemie, Vol LIII,
No 1, 1949, pp 45-47.

Broken Hill Proprietary
Co Ltd (CRL/T.277)

Sci - Chem
Nov 61

174,361

Polarographic Behavior of Unsaturated and Halogenized
Hydrocarbons, by M. V. Stackelberg, W. Stracke, 22 pp.

Full translation.

GERMAN, per, Zeitschrift fur Elektrochemie, Vol LIII,
1949, pp 118-128.

~~Ball Telephone Laboratory~~ ~~11-2100 (MW)~~

Scientific - Chemistry Aug 53 CTS/DEX

76653

4082

11-2100

The Measurement of the Oxidation Velocity and
the Thickness of the Oxide Films on Metal Surfaces
as Well as the Activity of Local Couples Between
Metal and Metal Oxide, by F. Todt, R. Freier, W.
Schwarz, 17 pp.

GERMAN, per, Zeitschrift fuer Electrochemie,
Vol LIII, No 3, 1949, pp 132-142.

SLA 60-10184

119,177

Sci
JUN 60
Vol LIII, No 5

Activities in the Na-Cd-Hg Ternary Liquid
System, by H. Frauenschild, F. Halla.

Full translation.

GERMAN, Z. Elektrochem., Vol 53, No 3,
pp 144-151, May 1949.

TPA3/TIB Tr No T 4044

Scientific - Electrochemistry

63-18212

Hauffe, K. and Vierk, A. L.
ACTIVITY MEASUREMENTS ON LIQUID SODIUM
ALLOYS EXHIBITING LARGE DEVIATIONS FROM
IDEAL BEHAVIOR. [1963] 15p 48refs.
Order from SLA \$1.60

63-18212

I. Hauffe, K.
II. Vierk, A. L.

Partial trans. (p. 151-153, 156-161) of *Zeitschrift für
Elektrochemie* (West Germany) 1949, v. 53, p. 151-153.

DESCRIPTORS: *Sodium alloys, *Liquid metals,
Electrochemistry, Thermodynamics, Crystal structure,
Phase studies, *Activity coefficient.

(Chemistry--Physical, TT, v. 10, no. 10)

Office of Technical Services

Theoretical Interpretation of the Absorption
of Light by Organic Dyes, by Hans Kuhn,
CONFIDENTIAL USE ONLY

GERMAN, per, Zeitschrift fuer Elektrochemie,
Vol LIII, 1949, pp 165-178. P200110567
RSIC-465

Sci-Chem

May 67

326,155

Riedel, L.
NEW METHOD FOR ESTIMATING UNKNOWN CRITICAL PRESSURES OF ORGANIC COMPOUNDS. [1963]
22p (tables omitted) 6 refs
Order from SLA \$2.60

TT-64-14407

Trans. of Zeitschrift für Elektrochemie (West Germany) 1949, v. 53, no. 4, p. 222-228. (Abstract available)
Another trans. is available from SLA as no. 2036.

DESCRIPTORS: *Organic materials, Pressure, *Thermochemistry, Phase studies, Molecular weight, Atomic properties, Chemical bonds.

On the basis of available empirical data on the critical pressure p_k , it is shown that the quantity
 $Q = 100 \sqrt{M} p_k$ to be calculated from p_k and the
(Chemistry--Physical, TT, v. 11, no. 11) (over)

TT-64-14407

I. Riedel, L.

Office of Technical Services

Infrared and Dipole Measurements of the Interaction
Between Solvents and the Hydroxyl Group of Phenol, by
W. Luttko, R. Necke

GERMAN, per, Z Elektrochem, Vol LXII, 1949, pp 241-249.

Nat'l Res Council Canada TT 239

Scientific - Chemistry

Jul CTS/DEK

Price 0.25

16,555

Information on SiO. I. The Separation Forms of
SiO From the Vapor Phase, by G. Grube, H. Speidel.

GERMAN, per, Z fuer Elektrochemie, Vol LIII,
No 6, 1949, pp 339-340.

SLA 61-20271

Sci
Mar 62

189,547

Vol VII, No 2

61-20272

Grube, G. and Speidel, H.
INFORMATION ON SiO. II. THE HEAT OF FOR-
MATION OF GASEOUS SiO (Zur Kenntnis des
Siliciummonoxyds. II. Die Bildungswärme des
Gasförmigen Siliciummonoxyds). [1961] [10]p.
(foreign text included) 4 refs.
Order from SLA \$1.10

61-20272

Trans. of Zeitschrift für Electrochemie (West
Germany) 1949, v. 53, no. 6, p. 341-343.

DESCRIPTORS: *Silicon compounds, *Monoxides,
Heat of formation.

(Chemistry--Physical, TT, v. 7, no. 1)

I. Grube, G.
II. Speidel, H.
III. Title: Heat...

Office of Technical Services

Decomposition Voltage, Limiting Current Density
and Conductivity of Aluminium Chloride-Containing
Melts, by H. Grothe.

GERMAN, per, Z. Elektrochem, Vol 53, 1949,
pp 362-369

CSIRO No. 9632

sci/chemistry

200 60

200 60

Dissociation Voltage, Limiting Current Density
and Conductivity of Aluminum Chloride Con-
taining Melts, by H. Grother.

GERMAN, per, Zeit Elektrochem, Vol 53, 1949,
pp 363-369.

AEC-Al-Trans-257

Sci-Chem

Jan 68

348,738

Electrolytic Dissociation of Excited Molecules, by
T. Forster, 13 pp.

GERMAN, per, Z Elektrochem, Vol LIV, 1950, pp 42-46.

SLA Tr 3001

Sci - Electronics
Mar 58

59,797

Polarographic Determination of Impurities in Purest Indium, by G. Haupt, A. Olbrich, H. Nause, 10 pp.

GERMAN, per, Z fuer Electrochemie, Vol LIV, 1950, pp 67-70.

CIA/FDD XX-899

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chem

Sep 60

USIB INTERNAL USE ONLY

125,844

On the Kinetics of the Sintering Process,
by G. F. Huttig.

GERMAN, per, Z. Elektrochem, Vol XIV, 1950,
pp 89-91.

Assoc Elec Indust, Ltd.
T 271 OT/1547/1

Sci - Electricity, Chemistry, *Electrochemistry*
31,764

The Electrical Conductivity of Binary Alloys, by G.
Grube

GERMAN, per, Z Elektrochem, Vol LIV, 1950, pp 99-107.

Mat'l & Res Council Canada TT 249

Scientific - Chemistry
Jul CTS/DEX

Price 0.25

19,313

Convection Processes in the Gas Centrifuge Thermal
Convection in a Strong Gravitational Field, by
Hans Martin, 19 pp.

GERMAN, per, Z. Elektrochem, Vol LIV, 1950, pp
120-129.

AEC Tr-3170

Sci - Chem

May 58

62,642

Isotope Concentration in Ultracentrifuges With
Hydrogen Stabilization, by W. Groth, P. Harteck.
UNCLASSIFIED

GERMAN, per, Z Elektrochem, Vol LIV, 1950,
pp 129-132.

AEC Tr 3196

Sci - Chem
May 58

63,994

Resistance Polarization. The Possibility of Experimentally Distinguishing it From Other Types of Polarization, by Georg Falk, Erich Lange, 30 pp.

GERMAN, per, Zeit Elektrochem, Vol LIV, 1950, pp 132-149.

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DESCRIPTORS: *Metallic crystals, *Impurities,
Crystal structure, Inhibition, Twinning (Crystallo-
graphy), Metals, Heat of sublimation, Electrolysis.

(Physics--Solid State, TT, v. 10, no. 9)

(over)

I. Title: Block structures
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II. Title: Influence . . .

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DESCRIPTORS: *Metallic crystals, *Crystal structure,

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- I. Title: Block structure
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Electrical conductance, Measurement, *Electro-
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*Electrochemistry.

Membranes were prepared from anion exchangers of
various, fixed ion concentrations, and their specific
electrical conductance was measured with KCl-
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Ger per: Zeitschrift für Elektrochemie, vol 55, 274-280,
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negative
21 Nov 58