

On Inner Complex Pyrocatecholates of
Quadrivalent Elements, by Arthur Rosenheim,
Basia Raibmann, Gerhard Schendel, Gerhard
Ebert, 20pp.

GERMAN, per, Zeitschrift fur Anorganische
und Allgemeine Chemie, Vol 196, No 2, 1931,
pp 160-176.

CFSTI TT-64-16415.

322,337

Sci - Chemistry
Mar 67

On Anhydrous Copper Halide Carbonyls, by
Otto Heinrich Wagner.
GERMAN, por, Zeit. Anorg. Allg. Chemie, Vol 196,
1931, pp 364-373. P911068466
AEC ORNL-tr-1336

Sci/~~Intell~~
Oct 66

311,476

On the Theory of Recrystallization, by J. A. M.
Liempt, 42 pp.

GERMAN, per, Z Anorg u Allgem Chem, Vol CXCV, 1931,
pp 366-386.

SLA Tr 57-1373

Sci - Chemistry
Mar 58

59,801

1
Nitrogen Fluoride and ~~and~~ The Conditions for its
Formation, by Otto Ruff, Lisbeth Staub, 11 pp.

GERMAN, per, Zeitschrift fuer Anorganische und
Allgemeine Chemie, Vol CXCVIII, 1931, pp 32-38.

OTS - TT-64-1607
S.L.A. Tr 921/1956

Sci - Chemistry

39,212

Fluorine and Ammonia, by Otto Ruff, Ernst Hanke,
4 pp.

GERMAN, per, Z Anorg U Allgem Chemie, Vol CXCVII,
1931, pp 395-398.

S.L.A. Tr 919/1956

Sci - Chemistry

39, 210

63-18878

Moers, K.
CONDUCTIVITY MEASUREMENTS ON HIGH-MELT-
ING CARBIDES, NITRIDES, AND BORIDES AT ROOM
TEMPERATURE AND AT LOW AND HIGH TEMPERA-
TURES. [1963] 23p. 18 refs.
Order from SLA \$2.60

63-18878

Trans. of Zeitschrift für Anorganische und Allgemeine
Chemie (Germany) 1931, v. 198, p. 262-275.

DESCRIPTORS: *Carbides, *Nitrides, *Borides,
*Electrical conductance, Sintering, Refractory
materials.

(Physics--Solid State, TT, v. 10, no. 11)

I. Moers, K.

Office of Technical Services

Zintl, E. and Baumbach, H. H. von.
CONCERNING SODIUM OXIDE. 2p (1 fig omitted)
25refs.
Order from SLA \$2.60

TT-64-16137

Trans. of Zeitschrift für Anorganische und Allgemeine
Chemie (Germany) 1931, v. 198, p. 88-101.

(Chemistry--Inorganic, TT, v. 12, no. 4)

TT-64-16137

I. Zintl, E.
II. Baumbach, H. H. von

Office of Technical Services

On the Transformation of White Tin Into Gray Tin,
by G. Tammann, K. L. Dreyer,

GERMAN, per, Z. Anorg, u Allgem Chem, Vol CXCIX,
1931, pp 97-108.

REF ID:
AEC SCL-T-289

Sci - Min/Metals

Apr 60

115,083

Methods for the Preparation of Pure Refractory
Carbides, Nitrides and Borides and a Description
of Some of Their Properties, by C. Agte, K. Moers,
34 pp.

GERMAN per, Z Anorg u Allgem Chem, Vol CXCVIII,
1931, pp 233-275.

SLA Tr 2352

Sci - Chemistry
Sep 57

52,998

DEC TR 3239
pp 243-61

The Phenomena of Diffusion in Metals as a Function of
Intermetallic Bonding, by G. Tammon.
GERMAN, per, Z. fur Anorganische und Allgemeine Chem.,
No 199, 1931, pp 289-305.
*NTIS TT 72-53058

Sept 72

Contributions to the Systematic Law of Affinity.
54. On the Contribution of Aluminum Halide Ammoniates. 1, by W. Klemm and E. Tanke, 36 pp.

GERMAN, per, Z. Anorg u Allgem Chem, Vol CC, 1931,
pp 343-384.

SIA 57-3095

AEC - Tr-2938

Sci

Aug 58

71,147

On the Constitution of Aluminum Halide Ammoniates,
by Wilhelm Klemm, Erich Tanke, Elsbeth Clausen,
Helmut Jacobi, 62 pp.

GERMAN, per, Z Anorg Allgem Chem, Vol CC, 1931,
pp 343-384.

AEC Tr 2938

Sci - Chemistry
Aug 57

51,832

Fluorination of Carbon Compounds. (Benzol and Tetra-
chloromethane With Iodine-5-fluoride As Well As
Tetrachloromethane With Fluorine), by Otto Ruff,
Rudolf Keim, 22 pp.

GERMAN, per, Zeits.fur Anorg.und.Allgem.Chem.,
Vol.CI, 1931, pp 245-258.

S.L.A. No 335/1956

34,309

Scientific - Chemistry

The Anhydrous Copper Halide Carbonyls, by
Otto Heinrich Wagner.
GERMAN, per, Zeitschrift fur Anorganische und
Allgemeine Chemie, Vol 196, 1931, pp 364-373.

*AEC ORNL-tr-1336

EDC 25 Aug 66

Sci/Chemistry

Aug 66

Research on the Understanding of Phosphate
Reduction, by H. H. French, H. Fuldner, 52 pp.

GERMAN, per, Zeit Anorg u. Allgem. Vol CCVI,
1932, pp 97-139.

CIA/FDD XX-254

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chemistry
Feb 1957 CTS/dex
IAC INTERNAL USE ONLY

44, 197

Investigation Concerning the Equilibrium in Reduction, Oxidation, and Carbonizing Phenomena in Iron, by R. Schenck, H. Franz, A. Laymann, 18 pp.

GERMAN, per, Z. Anorg. Allgem. Chem., Vol CCVI, 1932, pp 129-151.

S.L.A. Tr 598/1955

Sci - Min/Met
Apr 1957 CTS/dex

50,230

Formation of Little Soluble Calcium Phosphates From
Aqueous Solution, And the Relations of These Phosphates
to the Apatite Group, by G. Trödel, E. Møller, 15 pp.

GERMAN, per, Zeit Anorg u Allgem Chem, Vol CCVI, 1932,
pp 227-240.

NOT RELEASABLE TO FOREIGN NATIONALS
CIA/PDD XX-189

Scientific - Chemistry
Aug 1956 CTS/dax

EAC INTERNAL USE ONLY

37, 499

NCH-202 500

Field 7B

Beck, G.
ENERGY CONSIDERATIONS FOR THE VALENCE FIELDS OF
THE AMMINES. 1965, Sp. TC-1208
Order from TC: \$8.00 as TC-1208

I. Trans-Chem
Knoxville, Tenn.

Trans. of Zeitschrift fuer Anorganische und Allgemeine
Chemie. p206 p416-24 1932.

A New Method for Determination of Bismuth, by
C. Mahr,

GERMAN, par. Z. Anorg u Allgem Chem, Vol
CCVIII, 1932, PP 313-316.

SEA/INSDOC-T-1640

Sci

Jul 58

68,440

A New System for Measuring Pressure Through
Transport and Its Application to the Pneuma-
tolytic Transport of Al_2O_3 by HCl or Cl_2 ,
by W. Fischer, R. Gwehr,
GERMAN, per, Zeitschrift fuer Anorganische
und Allgemeine Chemie, Vol CCIX, 1932,
pp 17-32.
ACSI J-2570
ID 2204021667

Sci-Chem
Nov 67

327.999

The Influence of Friction upon Oxidation of Metals,
by M. Fink,

GERMAN, per, Z. Anorg u Allgem Chem, Vol CCX, 1933,
pp 100-104.

ASLIB Q. B. 29
6 6

Jul 58

69, 966

63-16232

Jansen, W.
ON THE REDUCTION OF TRICALCIUM PHOSPHATES.
[1963] 12p. (figs. omitted) 25 refs.
Order from SLA \$1.60

I. Jansen, W.

63-16232

Trans. of Zeitschrift für Anorganische und Allgemeine
Chemie (Germany) 1933, v. 210, no. 2, p. 113-124.

DESCRIPTORS: *Calcium compounds, *Phosphates,
Reduction (Chemistry), *Iron, Iron compounds, Carbon
compounds, Oxides, Hydrogen, Carbon, Graphite,
Blast furnaces.

The purpose is to investigate the reducibility of the tri-
calcium phosphate alone and in the presence of iron by
carbon oxide, hydrogen and carbon in the nitrogen cur-
rent since the phosphorus in the form of tricalcium
phosphate together with the iron phosphate and iron ores
arrive as components at the blast furnaces. (Author)
(Metallurgy--Ferrous Metals, TT, v. 10, no. 6)

Office of Technical Services

The Preparation of Boron, as Well as of Some of
Its Compounds, With Nitrogen and Carbon, by
E. Podszus, 6 pp.

GERMAN, per, Z Anorg u Allgem Chem, Vol
CCXI, 1933, pp 41-48.

SLA Tr 2343

Sci - Chemistry
Sep 57

53,014

Iron (II)-hydroxide and Ferric-hydroxide Iron (III)-
hydroxide, by Gerhard Schikorr.

Full text

Chemist, Rev. Zeit für Anorg. Chem., Vol. CCXII,
1968, pp. 33-37.

Rev. No. 1241/ARL 524

1241/ARL 524

1241/ARL 524

Load Chamber Process^{III} Spectrographic
Measurements, by R. Berl, K. Winnecker.

GERMAN, per, Z. fuer Anorganische und Allgemeine
Chemie, Vol CXXII, 1933, pp 113-133.

CSIBO

Sci - Phys
Aug 62

211, 497

Krbger, Carl and Pingas, Ernst.
THE ACTION OF CARBON UPON ALKALI CAR-
BONATES. [1963] 10p. (figs. omitted).
Order from SLA \$1.10

63-16168

Partial trans. (excerpts) of Zeitschrift für
Anorganische und Allgemeine Chemie (Germany)
1933, v. 212, p. 269-283.

DESCRIPTORS: *Carbonates, *Alkali metal com-
pounds, *Carbon, *Graphite, Pressure, Catalysts,
Chemical reactions, Chemical equilibrium, Coal,
Coke.

(Chemistry--Inorganic, TT, v. 10, no. 5)

63-16168

I. Krbger, C.
II. Pingas, E.

Office of Technical Services

The Non-existence of Higher Nickel Carbide, by
J. Schmidt.

GERMAN, per, Z fuer Anorganische und Allegemeine
Chemie, Vol 216, 1933, pp 85-98.

*NASA-TT-F-12,873

Sci/Chem
Mar 70

Nitrogen Fluorides: Partial Diagram of the System
H₂/NF, by Otto Ruff, Lisbeth Staub, 1 p.

GERMAN, per, Z Anorg U allgem Chem, Vol CCXII, 1933,
pp 399, 400.

S.L.A. Tr 922/1956

Sci - Chemistry

39, 213

The Equilibrium H_2SO_4 HF HSO_3F H_2O and the
Effect of Strong Acids Thereon, by Willy Lange, 19 pp

GERMAN, per, Z Anorg und Allgem Chem, Vol CCXV,
1933, pp 321, 332.

NP Tr 288
(Available JCL)

A15-020-65

Oct 59

The Non-Existence of a Higher Nickel Carbide,
by Juergen Schmidt. 17 pp.
GERMAN, per, Z. Anorg. Allgem. Chem. (Leipzig),
Vol 216, 1933, pp 85-98.
NASA TT F 12,872

sci/chem
may 70

Formation of High Melting Carbides by Igniting
a Carbon Filament in the Vapor of a Volatile
Halogen Compounds of the Metal, by W. G. Burgers,
J. C. M. Bassart, 12 pp.

GERMAN, per, Z Anorg u Allgem Chem, Vol CCXVI,
1934, pp 209-222.

SIA Tr 2274

Sci - Physics, Min/mat
Sep 57

53,000

Reaction of Liquid Ammonia, by W. C. Johnson,
A. C. Wheatley.

GERMAN, per, Z für AnorgK und Allgem Chem,
Vol CCXVI, No 3, 1934.

Dept of Int
US Bur of Mines
Sta Lib,
Rolla, Missouri.
No T-4.4-2

Sci - Chem
Apr 59

84, 623

63-16739

Hüttig, Gustav F.
CONTRIBUTION TO THE PROBLEM CONCERNING
THE COURSE OF REACTIONS IN THE SOLID STATE
(Aktive Oxyde. 72. Beitrag zur Frage nach dem
Verlauf von Reaktionen im festen Zustande). Communi-
cation 72 on Active Oxydes. [1963] [11]p. (foreign text
included) 12 refs.
Order from SLA \$1.60

63-16749

Trans. of Z[schrift] f[ür] Anorg[anische] und
Allg[emeine] Chem[ie] (Germany) 1934, v. 217 [no. 1]
p. 22-26.

DESCRIPTORS: *Solid state physics, *Oxides,
Chemical reactions.

See also 62-10550

(Physics--Solid State, TT, v. 10, no. 8)

I. Hüttig, G. F.
II. Title: Active....

Office of Technical Services

The Melt Temperature of BF_3 , by Otto Ruff, Walter
Menzel, 1 p.

GERMAN, per, Z Anorg U Allgem Chemie, Vol CCXVII,
1934, pp 93, 94.

S.I.A. Tr 920/1956

Sci - Chemistry

39,211

X-Ray Determination of New Forms of Combinations.
I. The Tungsten Oxides W_4O_{11} and W_8O_{23} , by F.
Ebert, H. Flasch, 18 pp.

GERMAN, per, Z Anorg Allgem Chem, Vol CCXVII, 1934,
pp 95-104.

SLA 57-910

Sci - Minerals/Metals
Oct 57

54,465

The Alloys of Platinum with Chromium, by
V. A. Nemilov.
GERMAN, per, Zeit fur Anorganische und Allgemeine
Chemie, No 218, 1934, pp 33-44.
NTC 69-11402-11F

Sci-Mat
July 69

387,134

The Fluorination of Silver and Copper, by
Ottó Ruff, Manfred Giese, 11 pp.

GERMAN, per, Z für Anorganische und Allgemeine
Chemie, Vol CXLIX, 1934, pp 143-148.

AEC-tr-5294

Sci - chem

Jan 63

list 74

218,845

The State of Sodium Dissolved in NaOH-Melts,
by P. Halls, H. Tompa.

GERMAN, per, Zeit. für Anorganische und
Allgemeine Chemie, Vol 219, No 4, pp 321-331,
1934 9229823

AEC ANL-Tr-186

Sci-Chem
Nov 65

291,989

IF_5 , IOF_3 and the Possibility of Forming Lower Iodine
Fluorides, by Otto Ruff, Alfred Braida, 6 pp.

GERMAN, per, Z Anorg u Allgem Chem, Vol CCIX, 1934,
pp 43-48.

AEC Tr 2631

Sci - Chemistry

40,167

The State of Sodium Dissolved in NaOH-Melts
Supplementary Notes to Previous Paper, by
F. Halla, H. Tompa.
GERMAN, per, Zeit. für Anorg. und Allgem.
Chem., Vol 221, pp 18-20, 1934 9229757
AEC ANL-Tr-187

Sci-Chem
Nov 65

291,923

Oxides

The Primary Reaction of Metallic ~~EXTREME~~ With Solid Carbon, by W. Baukloh, R. Durrer.

K

GERMAN, ver. Zeitschrift Anorganische Allgemeine Chemie, Vol CCXXII, 1935.

Brutcher Tr No 212

Scientific - Min/Metals

\$3.30

14, 142

The Dependence of the Viscosity in Liquid Mixtures
of Salts KCl and $MgCl_2$, by S. Karpatschhoff, A. Strom-
berg, 3 pp.

Full translation.

GERMAN, per, Z. anorg. allgem. Chem., Vol CCXXII,
1935, pp 78-80.

S.L.A.

Scientific - Chemistry

Jul 55

25,915

Detection of Traces of Oxygen by Extinction of
Phosphorescence, by H. Kautsky, A. Hirsch.
GERMAN, per, Zeitschrift für Anorganische und
Allgemeine Chemie, Vol 222, 126, 1935. 9232749
AEC-tr-6701

NIH 9-11 pp 126-134 14 pp

Sci/Chemistry
Jun 66

302,522

The Phase Diagram of the Silver-Indium System, by F
Wolbke, H. Eggers,

GERMAN, per, Z. Anorg. und Allgem Chem, Vol CCXXII,
1935, pp 145-160.

ATS 514-GJ

Sci - Chem

Aug 60

125, 538

The Physico-Chemical Behavior of Solutions
of Alcohols and Phenols in Liquid Hydrogen
Fluoride, by W. Klatt, 17 pp.

GERMAN, per, Z. Anorg u Allgem Chem, Vol
CCCXII, 1935, pp 225-239.

SLA 57-2901

Sci

71, 198

Aug 58

Metal Carbonyls: XX. The Metal Hexacarbonyls of the Chromium Group; Their Method of Formation and the Reaction Mechanism of These Methods, by W. Hieber, E. Romberg, 9 pp.

GERMAN, per, Z. Anorg und Allgem Chem, Vol CCXXI, 1935, pp 321-331.

AEC Tr 2673

Sci - Chemistry
Jan 57 CTS

42,180

The Supercooling Capacity of Water and the Linear
Crystallization Velocity of Ice in Aqueous
Solutions, by Z. Tammann, A. Buchner

GERMAN, per. Z Anorg u Allgem Chem, Vol CXXII, 1935,
pp 371-381.

Nat'l Res Council Canada TT 79

16,324

Scientific - Chemistry

Jul CTS/DEK Price 0.25

Metal Membranes, by H. V. Kultashev, F. A. Santalov,
15 pp.

GERMAN, per, Z ANOTE und Allgem Chem, Vol CCXXIII,
1935, pp 177-184. 9076156

AEC Tr-4462

Sci - Min/Met
May 61

150,862

63-18132

Lee, P. J. v. d.
VAPOR PRESSURE OF HEXACHLOROETHANES (Über
den Dampfdruck des Hexachlöräthans). [1963] [5]p.
(foreign text included).
Order from SLA \$1.10 63-18132

1. Title: Hexachloro ethane
1. Lee, P. J. v. d.

Trans. of Zeitschrift für Anorganische und Allgemeine
Chemie (Germany) 1935, v. 223, p. 213-216.

DESCRIPTORS: *Chlorocarbons, *Ethanes, *Vapor
pressure, Measurement.

Office of Technical Services

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

63-16752

Hüttig, Gustav F., Tschakert, Hans E., and
Kittel, Herbert.
STUDIES CONCERNING THE COURSE OF THE ZINC
FERRITE FORMATION FROM ZINC OXIDE AND
IRON OXIDE (Untersuchungen über den Verlauf der
Zinkferritbildung aus Zinkoxyd und Eisenoxyd (Aktive
Oxyde. 89. Mitteilung)). Communication 89 on Active
Oxides. [1963] 22p. (foreign text included) 25 refs.
Order from SLA \$2.60 63-16752

Trans. of Zeitschrift für Anorganische und
Allgemeine Chemie (Germany) 1935, v. 223,
p. 241-250.

DESCRIPTORS: *Zinc compounds, *Iron compounds,
*Oxides, *Ferrites, Chemical reactions.

See also 63-16749

(Physics--Solid State, TT, v. 10, no. 8)

- I. Hüttig, G. F.
- II. Tschakert, H. E.
- III. Kittel, H.
- IV. Title: Active.....

Office of Technical Services

TT-63-16757

I. Kutzelnigg, A.

Kutzelnigg, Arthur.
FLUORESCENCE OF ZINC OXIDE-IRON OXIDE MIX-
TURES AND ITS DEPENDENCE ON THE TEMPERA-
TURE OF HEAT TREATMENT (Die Fluoreszenz von
Zinkoxyd-Eisenoxyd-Mischpräparaten und ihre
Abhängigkeit von der Temperatur der Wärmedehandlung)
[1963] [6]p (foreign text included) 5refs
Order from SLA \$1.10

TT-63-16757

Trans. of Z[schrift] f[ür] Anorg[anische] [und]
Allg[emeine] Chem[ie] (Germany) 1933, v. 223,
p. 251-252.

DESCRIPTORS: Heat treatment, Temperature,
Mixtures, Oxides, *Iron compounds, Zinc compounds,
*Fluorescence,

(Chemistry--Inorganic, TT, v. 11, no. 1)

Office of Technical Services

The Knowledge of Crystallization From Freezing, III,
by J. Meyer, W. Pfaff

GERMAN, per, Z Anorg u Allgem Chem, Vol CCXXIV,
1935, pp 305-313.

Nat'l Res Council Canada TR 80

Scientific - Chemistry
Jul CTS/DEX Price 0.25

16,325

Kroll, W.
DUCTILE CHROMIUM. [1964] [8p] 15x40
Order from SLA \$1.10 TT-63-20856

Trans. of Zeit[schrift] für Anorg[anische] u[nd]
Allgem[eine] Chem[ie] (Germany) 1938, v. 226, p. 23-32.

(Metallurgy -- Ferrous Metals, TT, v. 12, no. 2)

TT-63-20856

I. Kroll, W.

Office of Technical Services

Protection of Iron and Steel from Corrosion by
Arsenic Impregnation ~~XXXX~~ or Arsenic Plating,
by G. Tammann, H. Warrentrup, UNCLASSIFIED

XX GERMAN, Zeitschrift Anorg. Allgem Chemie,
Vol 228, 13 1936, ~~XXXXXX~~ pp 92-96.

Brutcher Order No 1272
Price \$2.60'

4/71

Scientific - Metallurgy

Behavior of Titanium Dioxide on Heating and
Toward Ferric Oxide, Sodium Oxide, and Magnesia,
By E. Junker.

GERMAN, per, Z. Anorg. Allg. Chemie, Vol CCXXVIII,
No 2, 1936, pp 97-111.

CSIRO/NO 7410
Brutcher Tran 3547
\$6.80

Sci - Minerals/Metals

29,608

63-10987

Flood, H. and Bruun, B.
THE TITRATION ERRORS IN THE POTENTIOMETRIC
QUANTITATIVE DETERMINATION OF BROMIDE
AND CHLORIDE IN MIXTURES. [1963] 14p. 10 refs.
Order from SLA \$1.60 63-10987

I. Flood, H.
II. Bruun, B.

Trans. of Z[schrift für] Anorg[anische und]
Allgem[eine] Chem[ie] (Germany) 1936, v. 229,
p. 85-86.

DESCRIPTORS: *Silver compounds, *Bromides,
*Chlorides, Mixtures, Quantitative analysis,
*Electrolytic titration, Errors.

(Chemistry--Analytical, TT, v. 10, no. 2)

Office of Technical Services

Magnetochemical Investigations. XXI. Molybdenum
and Tungsten Halides -- A Contribution to the Knowledge
of the Magnetic Behaviour of Compounds of the Higher
Transition Elements, by Wilhelm Klemm,
Hans Steinberg, 35 pp.
GERMAN, per, Z fuer Anorgan'sche und Allgemeine
Chemie, Vol CCXXVII, 19436, pp 193-213. 9224906
AEC-NP-Tr-1165

Sci-Chem
Oct 64

267,861

NCH-202 501

Field 7B

Spacu, P.
AMMINES OF URANYL-VI- AND URANYL-IV CHLORIDES.
1965, 5p. TC-1209.
Order from TC: \$5.50 as TC-1209

1. Trans-Chem
Knoxville, Tenn.

Trans. of Zeitschrift fuer Anorganische und Allgemeine
Chemie. v230 p181-6 1936.

Basic Lead Sulfates, by G. L. Clark, J. N.
Mrgudich, and M. C. Schielts, 8 pp.

GERMAN, per, Z. anorg. u. allgem. Chem. Vol.
CCXXXIX, 1936, pp 401-409.

AEC Tr 2815

Chem

Feb 1957 CTS/dex

43,746

Melting Point Diagrams of Highly Refractory Oxides.
VII. Systems With CaO and BeO., by H. von Wartenberg,
H. J. Reusch, E. Saran, 24 pp.

GERMAN, per, Z. Anorg u Allgem Chem, Vol CXXX,
1937, pp 257-276.

ABC Tr 2532

Sci - Chemistry
Aug 1956 CTS/dex

SLA 142-155

37483

Notes on Studies of Rare Earth Metals, by
W. Klemm, H. Bommer, 14 pp.

GERMAN, per, Z. Anorg u Allgem Chem, Vol
CCXXXI, 1937, pp 150-171.

AEC Tr 2390

Sci - Minerals/Metals, Physics

May 1956

34,502

The Solubility of Salts and Salt Mixtures in Water
at Temperatures above 100, by A. Benrath, ~~1866~~, 18pp.

GERMAN, per, ^{I.} Zts anorg u allg Chem, Vol ~~CCXXI~~ 1, 1937
pp 285-297.

Rur - Germany
Scientific - Chemistry

32,730

S.L.A. Tr 31

On Thermal Properties of Halides. 1) On Phosphor-
pentachloride and Aluminum Phosphor-Chloride
Alkal; 2), by H. Fickler, O. Jubermaun, 25 pp.

GERMAN, per, Z. Anorg u Allgem Chem, Vol ~~CCXXXV~~,
1938, pp 337-351. *CCXXXV*

SIA 57-2277

SLA 58-14553

Jul 58

69, 932

Carbon Monoxide Absorption by Ammoniacal Copper
Carbonate Solutions With a Flow of Carbon Monoxide
or Carbon Monoxide-Nitrogen Mixtures, by
Kurt Leschewski, Heinz-Gunther Tolkmitt, et al.
GERMAN, per, Zeit. Anorg. Allg. Chem., Vol 235,
1938, pp 369-384. P911100566
AEC ORNL-tr-1337

Sci/Chemistry
Dec 66

314,591

The Chemistry of Sea Water. The Elements Present
in Trace Quantities, by H. Wattenberg.

Full translation.

GERMAN, no per, Zeitschrift für Anorganische und
Allgemeine Chemie, 1938, Vol CCXXXVI, pp 339-360.

AEC Tr 1637

Scientific - Chemistry

Aug 53 CTS

4816

TT-63-20855

Fast, J. D.
THE PREPARATION OF PURE METALS OF THE
TITANIUM GROUP BY THERMAL DECOMPOSITION OF
THEIR IODIDES. IV. THE OCCURRENCE OF LOWER
ZIRCONIUM IODIDES IN THE MANUFACTURE OF
DUCTILE ZIRCONIUM. [1964] 9p 8refs
Order from SLA \$1.10

TT-63-20855

I. Fast, J. D.
II. Title: Occurrence...

Trans. of Zeitschrift für Anorganische und
Allgemeine Chemie (Germany) 1938, v. 239, p. 145-154.

(Metallurgy--Nonferrous Metals, TT, v. 12, no. 2)

on.

Reaction Experiments With Mixtures of Active Fe_2O_3
and CaO in the Solid State, by J. Arvid Hedvall
and S. O. Sandberg. 10 pp

GERMAN, bk, Zeitschrift für anorganische und
allgemeine Chemie, Vol 240, 1938, pages 15-20.

Dept of Navy NIC 2496 P500378/67

Sci/Chemistry
February 1968

Unedited translation

341,934

The Frequency of Rare Earths in Animal Bones,
by Hermann Lux, 16 pp.

GERMAN, per, Z. Anorg und Allgem Chem, Vol CCXL,
1938, pp 21-30.

AEO Tr 2662

Sci - Chemistry; Biology
Jan 57 CTS

42,210

Equilibrium Measurements on the Sodium
Silicates, by E. Zintl, H. Leverkus.

GERMAN, per, Zeit fur Anorganische
und Allgemeine Chemie, Vol CCKLIII,
1939, No 1, pp 1-13.

SLA TT 64-20294

May 67 325,029

On the Preparation of Pure Metals of the Titanium
Group by Thermal Decomposition of Their Iodides.,
(Part V - Titanium), by J. D. Fast, UNCLASSIFIED

GZ. 5441, per, Z. Anorg. Allgem. Chemie, Vol CCXXXI,
1939, pp 42-56.

Brutcher Tr No 3243

Scientific - Chemistry

\$9.85

15,074

63-20267

Klemm, W. and Killan, H.
AMMONIATES OF GALLIUM AND INDIUM TRI-
FLUORIDE (Ammoniate von Gallium- und Indiumtri-
fluorid). [1963] [5p] (refs omitted) 2 refs
Order from SLA p. 10 63-20267

Trans. of Zeitschrift für Anorganische und
Allgemeine Chemie (Germany) 1939, v. 241,
p. 93-96.

DESCRIPTORS: Fluorides, Indium compounds,
Gallium compounds, Ammino compounds,
Decomposition.

(Chemistry--Inorganic, TT, v. 10, no. 12)

I. Klemm, W.
II. Killan, H.

Office of Technical Services

Addition of Carbon Monoxide to Compounds of
Monovalent Copper, by Heinz Moeller,
Kurt Leschowski.

GERMAN, per, Zeit. Anorg. Allg. Chemie, Vol 243,
1939, pp 185-208. P911068366

AEC ORNL-tr-1338

Sci/Chemistry

Oct 66

311,477

V
Knowledge of the Rare Earth Metals, by W. Klemm,
H. Bonner.

GERMAN, ~~per~~, Z. anorg. allgem Chem, Vol CCXLI, 1939,
pp 264-267.

AEC Tr 1066
P 22000T (a)

Dec 1951 CTS

Scientific - Nuclear Physics

15,858

About Binary Systems With Germanium 1. Germanium/
Aluminum, Germanium/Tin and Germanium/Silicon, by
H. Stohr, W. Klemm, 27 pp.

GERMAN, per, Zeitschrift für Anorganische und
Allgemeine Chemie, Vol CCKLI, No 4, 1939, pp 305-323.

CIA/FDD/X-1393

Scientific - Chemistry

Jul 54 CTS

16,126

Les fluorures de cuivre, by H. Von Wartenberg, 22 pp.
GERMAN to FRENCH, per, Z fuer Anorg Allg Chem, X
Vol CCXLI, 1939, pp 381-394.

Reverse Translation
CEA-A-1542

Sci
Aug 64

Fluorite Lattices With Unoccupied Anion
Positions, by E. Zintl, U. Croatto,
GERMAN, per, Zeit Anogr Allgem Chem
Vol CCXLII, 1939, pp 79-86.
NASA TT F-9475

Sci-Chem

Nov 65

U. S. GOVERNMENT USE ONLY 292,855

The ~~Periodic~~ Relationships of the Alkali Metals to
Each Other, by Benno ~~Bohm~~ Wilhelm Klemm, 23 pp.
Bohm

GERMAN
~~Bohm~~, per, Zeitschrift für Anorganische und Allega-
eine Chemie, Vol CCKLIII, 1939, pp 69-85.

S.L.A. Tr 17/1956

Scientific - Chemistry; *MIN/M. Tals*
33,940

Nitrides of Metals of the First Secondary Groups
of the Periodic Systems, by Robert Juza, Harry
Eahn, 37 pp.

GERMAN, per, Z Anorg und Allgem Chem, Vol CCXLIV,
1940, pp 133-148. *9093523*

AEC UCRR Tr-817

Sci - Chem
Jul 62
List 70

104,723

Boron Monoxide, by E. Zintl, W. Morawietz, E.
Gastinger, 6 pp.

R. GERMAN, per, Z Anorg und Allgem Chem, Vol CCXLV,
1940, pp 8-11.

ANC Tr-4355

Sci - Chem
May 61

150,335

63-16760

I. Meissner, H.

Meissner, Horst.
INVESTIGATION OF THE PRODUCTION OF IRON
FROM OXIDES AND OXIDE ORES WITH HYDROGEN
CHLORIDE GAS. Doctor's thesis [Wroclaw]. [1963]
17p. 44 refs.
Order from SLA \$1.60 63-16760

Trans. from Zeitschrift für Anorganische und
Allgemeine Chemie (Germany) 1961, v. 243, no. 4.

DESCRIPTORS: *Iron, Oxides, *Ores (Metal sources),
*Chlorination, Reduction (Chemistry), Hydrogen
compounds, Chlorides, Gases, Metallurgy, Ion com-
pounds, Theses.

(Metallurgy--Ferrous Metals, TT, v. 10, no. 5)

Office of Technical Services

Increasing the Acidity of Boric Acid by Addition
of Neutral Salts. A New Method for Quantitative
Analysis of Boric Acid, by Harald Schafer,
Adolf Sieverts, 17 pp.
GERMAN, per, Z fuer Anorganische und Allgemeine
Chemie, Vol CCXLVI, 1941, pp 149-157. 9224826
AEC-UCRL-Tr-1053-L

Sci-Chem
Oct 64

267,850

Activation of Boric Acid With Polyoxy-Compounds
and the Phenomena in Quantitative Analysis of Activated
Boric Acid, by Harald Schaefer, 26 pp.
GERMAN, per, Z fuer Anorganische und Allgemeine
Chemie, Vol CCXLVII, 1941, pp 96-112.
AEC-UCRL-Tr-1054(L)

Sci-Chem
Sep 64

2565,865

Columbium and Hydrogen. Columbium and
Deuterium, by A. Sieverts, H. Moritz,
11 pp.

SEE GERMAN, per, ^{2nd} anorg allgem chem, Vol
CCXIVII, 1941, pp 124-130.

SLA Tr 1643 Jan 1957

Sci - Chem
Apr 1957

46,197

Estimation of Calcium Oxide and Calcium Hydroxide
in Presence of Anhydrous and Hydrated Calcium Sili-
cate, by B. Franke.

GERMAN, er, Z. Anorg u Allgem Chem, Vol CXLVII,
1941, pp 180-184.

INSDOC-1919

Sci

Jul 59

91,398

Metal Carbonyls: Communication 38, Rhenium Penta-
Carbonyl., by W. Hieber and H. Fuchs.
GERMAN, per, Zeitschrift für Anorg und Allgemeine
Chemie, 1941, vol. 248, ppp. 256-268.
SLA-TT-64-20239

Chem
Aug 66

307,772

Solubility of Some Chlorides and Double Chlorides
in Aqueous Hydrochloric Acid as a Basis of Separations,
by W. Seidel, W. Fischer, UNCLASSIFIED.

GERMAN, per, Zeitschrift Anorg Allgem Chemie, Vol
CCXLVII, 1941, pp.367-382.

Brutcher Tr No 1261

Scientific - Min/Metals

17,371

The Oxides of Columbium, by G. Brauer, 51 pp.

GERMAN, per, Z. Anorg. Allgem. Chem., Vol CXLVIII,
1941, pp 1-31.

SLA Tr 57-1798

Sci

Jun 58

65,896

Copper, Nickel and Uranyl Compounds of Ethylene-Diamine-Tetra-Acetic Acid, by G. Hesse.

Full translation.

GERMAN, per, Zeitschrift fur Anorganische und Allgemeine Chemie, Vol 249, No 1, 1942, pp 113-118.

Scientific - ~~Chemistry~~ Chemistry

AEC Tr 1244

SLA Tr 3418

Salts and Complexes of Nitrilo-Triacetic Acid.

Full translation.

GERMAN, per, Zeitschrift fur Anorganische und Allgemeine Chemie, Vol 249, 1942, pp 299-307.

AEC Tr 1245

Scientific - Chemistry

Rate of Corrosion of Sintered Iron Powders as
Function of Preliminary Heating, by G. F. Buttig,
K. Arnestad.

GERMAN, per, Zeitschrift anorg. allgem. chemie,
Vol CCL, 1942.

Brutcher Tr 1376

Scientific - Min/Metals

13,008

~~784~~

\$ 4.00

63-16751

Hüttig, Gustav F. and Arnestad, Karl.
THE RATES OF RUST OF SINTERED IRON POWDER
IN RELATION TO THE PREHEATING TEMPER-
ATURES (Die Rostgeschwindigkeit von Gefritzten
Eisenpulvern in Abhängigkeit von der Vorerhitzungs-
temperatur. [Über Reaktionen fester Stoffe: 127,
Mittellung]. Communication 127 concerning Reactions
of solid Bodies. [1963] 16p. (foreign text included)
8 refs.

Order from SLA \$1.60

63-16751

Trans. of Z[eitschrift] für Anorg[anische] u[nd]
Allgemeine Chemie (Germany) 1942, v. 250, no. 1,
p. 1-9.

DESCRIPTORS: *Corrosion, Sintering. *Powder metals,
*Iron, Temperature, Powders.

(Metallurgy, TT, v. 10, no. 7)

I. Hüttig, G. F.
II. Arnestad, K.
III. Title: Reactions . . .

Office of Technical Services

63-16838

Hüttig, G. P. and Vidmajer, A.
ON THE PREPARATION OF INTIMATE POWDER
MIXTURES OF IRON AND COPPER: A CONTRI-
BUTION TO THE CHEMISTRY OF THE MIXTURE
(Notiz über die Herstellung intimer Pulverförmiger
Gemische aus Eisen und Kupfer; ein Beitrag zur Chemie
der Gemische). [1963] [14]p. (foreign text included)
13 refs.

Order from SLA \$1.60

63-16838

Trans. of Zeitschrift für Anorganische und Allgemeine
Chemie (East Germany) 1953, v. 272, p. 40-44.

DESCRIPTORS: *Metal powders, *Iron, *Copper,
Mixtures, Oxalates, Sintering, Particle size.

Iron and copper were precipitated together as oxalates
and reduced to the metallic mixture at elevated temper-
ature, with hydrogen. The sinterings prepared from
(Metallurgy, TT, v. 10, no. 7) (over)

I. Hüttig, G. P.
II. Vidmajer, A.

Office of Technical Services

Degasification of Iron Powders of Different
Production and Preliminary Treatment, by G. F.
Guttig, H. H. Bludau,

GERMAN, per, Z. Anorg & Allgem. Chemie,
Vol 250, 1942.

CCL

Brutcher Tr Order No 1502
\$2.70

15,182

On the Degasification of Solids, by G. F. Huttig,
H. Thämer, W. Breuer.

GERMAN, per, Zeitschrift anorg. allgem. chemie,
Vol. CCXLIX, 1942.

Brutcher Tr No 1531

Scientific - Chemistry

\$2.25

16,376

Magnetochemical Investigations. 41, The Magnetic
Behaviour of the Dihalides of Titanium and
Vanadium, by W. Klemm, L. Grimm.
GERMAN, per, Z. Anorg Allgem Chem, Vol 249, 1942,
pp 209-218.
MU/T. 682

Sci/Chem
July 69

386-869

Concerning a New Reaction of Chlorine Dioxide the
Formation of a Compound With the Formula ClO_2F , by
H. Schmitz, H. J. Schumacher, 7 pp.

GERMAN, per, Z Anorg Allgem Chem, Vol CCXLIX,
1942, pp 238-244.

AEC TR ^r_A GAT-P-11

Sci - Chem

Sep 58

73, 719

Determination of Phosphine, by Karl Beyer.
GERMAN, per, Z. Anorg Allgem Chem, No 250, 1943,
pp 312-320.
*NTIS TT 72-55107

June 72

The NiTe-NiTe₂ System, by W. Klemm, N. Fratini.

GERMAN, per, Z. Anorg. u. Allgem. Chem, Vol CCLI,
No 3, 1943, pp 222-232.

NRCC -TT-872

Sci - Chemistry
Jan 61

136,406