

REMA- A Private Firm in the German Democratic Republic,
by Schaeffer, 5 pp.

GERMAN, per, Radio und Fernsehen, No 15, Aug 1959,
pp 461, 462.

FDD/X-4070
USASIA SC-85a/59

Sci
Jan 60

Oxidation of Leuco Compound to the Vat Dye,
by A. Schaeffer, 8 pp.

GERMAN, par, Melliand Textilber, Vol XXXVIII,
No 4, 1957, pp 428-431.

Assoc Tech Sv 24J16G

Sci
Aug 58

70,850

Processes in the Vatting of Vat Dyes, by A.
Schaeffer, 29 pp.

GERMAN, per, Melliand Textilber, Vol XXVI, No
10, 1955, pp 1033-1036.

Assoc Tech Serv
45890

Sci

Aug 58

71,384

Comparative Exposure Tests to Daylight and
Artificial Light, by A. Schaeffer, 31 pp.

GERMAN, per, Melland Textilber, Vol XXXVII, No 1,
1956, pp 94-98.

Sci

Aug 58

SIA 3442

Nav Res Council - 62361

" " " 674

71, 657

An Epidemic of Bornholm's Disease in Northern
Amsterdam, Tuindorp Oostzaan, by Dr L. Faced
Schaeffer, 26 pp.

DUTCH, Ned. Tijds. v. Geneesk., Vol 95, No 40,
Holland, Oct 6, 1951, pp 2938-2948.

CIA/FDD X-654

Scientific - Medicine, disease

National Institutes of Health, Bethesda, Md.

Production of Helium and Argon in Irea by High
Energy Protons, by O. A. Schaeffer, J. Zahringer,
7 pp.

GERMAN, per, Z Naturforsch, Vol XIIIa, 1958,
pp 346, 347.

AEC BNL 3495

Sci - Chem

SLA 59-10424

Jan 59

79,569

Metal Adhesion With Epoxy Resins, by W. Schaeffer,
H. Jahn, 24 pp. Plasticators for Rubber, by
S. Zielinski, 12 pp.

GERMAN, per, Plaste und Kautschuk, Vol II, No 3,
Mar 1955, pp 53-58, 64-67. CIA 568441 and CIA 568442

ATIC F-TS-8779/v

Sci - Chemistry
Apr 56

COMPARATIVE EVALUATION OF HYDROGEN CARRIERS INJECT-
ED INTO THE BLAST-FURNACE HEARTH, PART II, BY
L. VON BOGDANSKY, W. SCHAEFER.

GERMAN, FED. STATE. U.S. EISEN, VOL. LXXXI,
NO 1, 1962, PP 11-18.

HB 5467

SCI - ENGR
AUG 62

206,463

U.-Boat Weapon Part I & II, by S. Schaefer, 123 pp.
GERMAN, rpt, Die U-Bootwaffe, 1963-1966.
*Dept of Navy/Bu Ships 991

S. Schaefer

UNCLASSIFIED, THIS DOCUMENT MAY BE FURTHER
DISTRIBUTED BY ANY HOLDER ONLY WITH SPECIFIC PRIOR
APPROVAL OF THE COMMANDER, NAVAL SHIPS COMMAND,
WASHINGTON D. C. 20360
Sept 66

Schaepdryver, A. F. de and Preziosi, P.
CATECHOLAMINE CONTENT OF VARIOUS ORGANS
AND TISSUES OF MICE AND DOGS TREATED WITH
HYDROCHLOROTHIAZIDE (Contenuto in Catecolamine
di Diversi Organi e Tessuti di Topo e di Cane Trattati
con Idroclorotiazide). [1962] [4]p. 11 refs.
Order from SLA \$1.10

62-10731

Trans. of Soc[ietà] Ital[iana di] Biol[ogia] Sper[iment-
ale]. Boll[ettino] 1961, v. 37, 15 Mar, p. 189-192.

DESCRIPTORS: *Drugs, *Hypertension, *Epinephrine,
Adrenal glands, Spleen, Liver, Heart, *Diuretics,
*Thiazines, Tissues (Biology)

(Biological Sciences--Pharmacology, TT, v. 8, no. 7)

62-10731

1. Title: Catecholamine
I. Schaepdryver, A. F. de
II. Preziosi, P.

Office of Technical Services

Influence of Imipramine (Tofranil R) on Transmission in Peripheral Sympathetic Nerves, by M. Schaeppi.

GERMAN, per, Helvetica Physiologica et Pharmacologica Acta, No 18, 1960, pp 525-562.

MU/T.421

Sci-Biol & Med Sci
Mar 68

225, 275

60
The Influencing of the Transmission of Stimuli
in the Peripheral Sympathetic Nervous System
by Tofranil, by U. Schaeppi.

GERMAN, per, Helv. Physiol. Pharmacol Acta,
Vol 18, 1960, pp 545-562.

NIH 1-25-65

P910291267

U. Schaeppi

Sci - BSM

Oct 67

342,673

82
Comparison of the Construction and Characteristics
of Metal Film and Carbon Film Resistors, by K.
Schaer, 28 pp.

GERMAN, per, Bull Schweiz Elektrotech, Vol 55,
1964, pp 1059-1065.

AEC UCL Tr-1283(L)

K. Schaer

327,875

Sci - Electronics
Jan 67

Modern Working Methods on Twin Screws, by A. J.
Schaerer, 35 pp.

GERMAN, per, Kunststoffe, Vol XLIV, No 12, Dec
1954, pp 105-111. (loan copy only)

SLA 57-2761

Sci
Aug 58

70,829

Modern Processing Methods with the Twin-Screw
Extruder, by A. J. Schaerer, 12 pp.

GERMAN, per, Kunststoffe, Vol XLIV, No 12, 1954,
pp 601-607. (loan copy only)

SIA 57-2664

Sci
Aug 58

70, 764

Experiments in Mechanical Ditch Consolidation
in Einigen/Thm. Part I. by Ch. Schauerer.
GERMAN, per, Strassen und Verkehr, Vol 42,
No 11, 1956, pp 491-504.
NTC 69-15626-13B

878

Ch. Schauerer

Sci-Mech
Dec 69

398,446

Experiments in Mechanical Ditch Consolidation
in Einigen/Thun. Part II. by Ch. Schauer.
GERMAN, per, Strasse und Verkehr, Vol 42,
No 12, 1956, pp 538-542.
HTC 69-15627-13B

Ch. Schauer

Sci-Mech
Dec 69

398,447

88
Experiments in Mechanical Ditch Consolidation
in Einigen/Thun. Part III. by Ch. Schuerer.
GERMAN, per, Strasse und Verkehr, Vol 43, No 1,
1957, pp 10-16.
HTC 69-15428-13B

Ch. Schuerer

Sci-Mech
Dec 69

398,448

85-1
Experiments in Mechanical Stitch Consolidation
in Einigen/Them. Part V and Conclusion, by
Ch. Scherer.
GERMAN, per, Strasse und Verkehr, Vol 43, No 4,
1957, pp 138-143.
NRC 69-15630-138

Ch. Scherer

Sci-Mech
Dec 69

398,450

88
Experiments in Mechanical Ditch Consolidation
in Einigen/Tbun. Part IV. by Ch. Schaefer.
GERMAN, per, Strasse und Verkehr, Vol 43, No 3,
1957, pp 96-101.
RAC 69-15629-138

Ch. Schaefer

Sci-Mech
Dec 69

398,449

The Triaxial Apparatus, by Robert Haefeli, and Ch.
Schnorer.

GERMAN, Schweizerische Bauzeitung, Vol 128, August
1946. A. Part I, Vol 128, No 5, 3 August 1946;
B. Part II, Vol 128, No 6, 10 August 1946, pp 65-67;
C. Part III, Vol 128, No 7, 17 August 1946, pp 81-84.

USA Corps of Engr, Waterways Exper Sta Tr 46-8

Sci - Engineering, hydraulics, naval
Econ - Transportation, river, water

A-3861

Available on loan at Research Center Library

Photoelectric Cells With Secondary Electron
Multipliers, by N. Schaetti, 13 pp.

GERMAN, per, Helvetica Physica Acta, Vol XXIII,
1950, pp 108-120. CIA D 600246

Am Meteorology Sec T-2588a
AF 19(604)-1936 Air Res and
table + figures included - 17pp Dev Command
Scientific - Physics T-184-21
CIS/DEK

13,532

Studies on the Small Orientation of Bloodsucking
Insects, by B. Schaerffenberg, E. Kupla, 11 pp.

GERMAN, par, Österreichische Zoologische
Zeitschrift, Vol III, No 3-4, 1951-1952, pp 410-424.

HR 7-1-63

Sci - Biol & Med
Sep 63

344, 323

Testing Snow Plows in the Winter of 1954-1955, by
P. Schaefer, 2 pp.

GERMAN, per, Strass und Verkehr, Vol XLI, H 139,
1955, pp 526-532. CIA 603878.

ATIC F-TS-9213/V

Sci - Engineering
Jul 57

49, 291

Preparation and Structure of the Beryllium Series ⁶⁵
6048, by H. J. Secher, A. Schafer, 8 pp.
CLAVAN, per, 2 Amer. Assoc. Chem. Vol 318, No 5/6,
1962, pp 304-312..
ARC/UCRL-Tr-10433-70

A. Schafer

Sci/Chem
Apr 70

405,658

On the Modifications of Boron. Experiments on the
Incorporation of Beryllium in the Boron Lattice, by
H. J. Becher, A. Schafer, 5 pp.

GERMAN, per, Z. fuer Anorganische und Allgemeine
Chemie, Vol CCCVI, 1960, pp 260-265. 9095532

AEC UCRL Tr-740(L)

Sci - Chem
Mar 62

186, 482

Friction Under Roller Pressure at Different Modulus
of Elasticity, by Alfred Schafer. UNCLASSIFIED

GERMAN, per, Archiv fur das Eisenhuettenwesen, Vol
XXIII, No 7/8, Jul/Aug 1952, pp 253-256.

Navy Tr 982/BuShips 552

11,928

Scientific - Engineering

(LTS/DE V

Modern Methods of Filling and Emptying Chamber Locks
and Increasing their Traffic Capacity, by August
Schafer.

GERMAN, Die Bautechnik, Vol 17, No 51, 1 December
1939, pp 625-627; Vol 17, No 55-56, 22 December 1939,
pp 679-683.

USA Corps of Engr, Waterways Exper Sta Tr 40-9

Sci - Engineering, hydraulics, naval
Econ - Transportation, river, water

Available on loan at Research Center Library

A-10431

1. Psychological Aspects of Groupthink, by
 J. J. Turner, J. Turner, 1974.
 2. Psychological Aspects of Groupthink, by
 J. J. Turner, J. Turner, 1974, pp. 454-457.
 3. Psychological Aspects of Groupthink, by
 J. J. Turner, J. Turner, 1974.

C. Schaffer

102/103 :
405 07

232,434

Electrolytic Production of 59Fe
Sources. Sealed Sources, VII, by
H. Schafer, G. Vornum.
ORNL, for, KERNENERGIE, Vol 7, No 2,
1964, pp 111-113. 9229514
AEC GENL-Tr-511

H. Schafer

Sci/chemistry
Sep 65

289,511

The Chemistry of the Platinum Metals. Part V. Equilibria
With H_2 (solid), H_2O (liquid), H_2O_2 (liquid), and H_2O (gas) by
H. Schuster, A. Tubbs, et al. 17 pp.
Goldschmidt, ser. 2 fuer Anorganische und Allgemeine Chemie,
Vol CCCXXI, No 1, 2, 1963, pp 41-55. 9211334

AEGER-Harwell-Tr-964

Sci-Comm
Mar 64

ISI, 239

21

Increasing the Acidity of Baric Acid by Addition
of Neutral Salts. A New Method for Quantitative
Analysis of Baric Acid, by Harald Schuster,
Adolf Steverin, 17 pp.

GUHMAN, JAC, 2 Hour Anacardic acid and Allgemine
Chemie, Vol CXXVI, 1941, pp 149-151. 9224226
AEC-UCRL-TR-1094

The Enthalpy of Formation of Tantalum Chloride
and the Thermochemistry of the Chlorides $TaCl_5$,
 $TaCl_4$, and $TaCl_3$, by Harold Schafer.

GERMAN, per, Z fuer Anorgan und Allgemeine
Chem, Vol CCCV, 1960, pp 178-189.

Dept of Interior

TM7 R57 No 581

191,522

Sci - Chem

Effect of Slag Formation on the Efficiency and
Desulphurisation in the Basic Open Hearth Process,
by G. Tromel, H. Schafer.

GERMAN, per, Stahl und Eisen, Vol LXVIII, 1963,
pp 1099-1106.

BISI 3430

Sci - Engr
Dec 63

243,527

Lower Silicon Halogenides at High Temperatures,
by M. J. Jurek, p. 719.
GERMAN: Int. International Union of Pure & Applied
Chemistry Colloquium, 1954, pp. 24: 24-24.
9287943
A.C.S.I.L. Trs 1439

Sci - Chem
Apr 66

143, 904

Gaseous Ruthenium Oxides at High Temperatures, by
H. Schafer, W. Gerhardt, A. Tebben, 2 pp.

GERMAN, per, Angewandte Chemie, Vol LXXXII, No 1,
1961, p 27. 9095565

ABC HF Tr-811

Mar 62

Studies on the $\text{Fe}_2\text{O}_3\text{-FeCl}_3\text{-H}_2\text{O-HCl}$ System
Rept. 1. The Action of Hydrogen Chloride ON
-Iron Oxide and the Evaluation and Interpretation
of the Reaction Equilibriums, by Harald Schafer,
34pp

GERMAN, per, Zeitschrift fur Anorg und Allgem
Chem, Vol 259, 1949, No 1/4, pp 53-74
SLA TT-65-10129

Harald Schafer

Sci - Chem
June 67

329,409

Investigation on ⁸⁰Re Broadcasting Sources
Closed Sources, Part V, by H. Schaefer, G. Varnum,
et al, 16 pp.
GERMAN, per, Kermargis, Vol VI, No 12, 1960,
pp 704-710. 9118093
ABC-NP-Tr-1140

Sci-Chem
Nov 64

140,142

Schäfer, Harald.

STUDIES ON THE $\text{Fe}_2\text{O}_3\text{-FeCl}_3\text{-H}_2\text{O-HCl}$ SYSTEM.
I. [INFLUENCE OF HYDROGEN CHLORIDE ON
 α -IRON OXIDE]. [1962] [43]p. 25 refs.
Available on loan from SLA

62-18213

Trans. of Zeitschrift für Anorganische Chemie (East
Germany) 1949, v. 259, p. 53-74.

DESCRIPTORS: *Hydrogen compounds, *Chlorides,
*Iron compounds, *Oxides, Chemical reactions,
Chemical equilibrium, Temperature, Dissociation.

Experimental studies were made of the equilibria
which were reached following the action of HCl on
 $\alpha\text{-Fe}_2\text{O}_3$ between 300 and 1000°C. The methodics of
the equilibrium measurements are described and the
accuracy of the results is discussed. The reaction
equilibria $\text{Fe}_2\text{O}_3 + 6\text{HCl} \rightleftharpoons \text{Fe}_2\text{Cl}_6 \text{ gas} + 3\text{H}_2\text{O}$
(Chemistry--Physical, TT, v. 8, no. 9) (over)

62-18213

Schäfer, H.
Title: Influence...

0226093

Office of Technical Services

Schäfer, Harald and Dohmann, Kurt-Dietrich.
CONTRIBUTIONS TO THE CHEMISTRY OF THE
ELEMENTS NIOBIUM AND TANTALUM. XXI. PRE-
PARATIVE INVESTIGATIONS WITH THE LOWER
NIOBIUM CHLORIDES. [1963] [38]p. (figs. omitted)
69 refs.

Available on loan from SLA

63-16505

Trans. of Zeitschrift für Anorganische und Allgemeine
Chemie (East Germany) 1959, v. 300, no. 1/2, p. 1-32.
Another trans. is available from SLA \$3.60 as 63-14134,
26 Oct 60, 33p.

DESCRIPTORS: Tantalum, Niobium, *Niobium com-
pounds, *Chlorides, *Phase studies, Pyrolysis,
Reduction (Chemistry), Thermochemistry, Solubility,
Chemical analysis, Chemical properties, Synthesis
(Chemistry).

(Chemistry--Inorganic, TT, v. 10, no. 3)

63-16505

I. Schäfer, H.
II. Dohmann, K. -D.
III. Title: Preparative ...

63-16505

Office of Technical Services

Schäfer, Harald.
REMARKS ON FORMATION OF HIGHER SILICON
CHLORIDES IN A CHILLED TUBE (Bemerkungen zur
Entstehung höhermolekularer Siliciumchloride im
Abschreckrohr). [1961] [c]p. 12 refs.
Order from SLA \$1.10

61-20532

Trans. of Z[e]tschr[ift] f[ür] Anorg[anische] Chemie
(East Germany) 1953, v. 271, p. 265-270.

DESCRIPTORS: *Silicon compounds, *Chlorides,
Molecular weight, Synthesis, Thermodynamics,
Gases, *Cooling.

The mechanism of formation of higher-molecular-
weight silicon chlorides upon synthesis in a suddenly
cooled tube is discussed. It is made plausible that
chlorides Si_nCl_{2n+2} are formed because the thermo-
dynamically stable chief constituents of the gaseous
(Chemistry--Physical, TT, v. 7, no. 7) (over)

61-20532

I. Schafer, H.

197208

Office of Technical Services

61-20531

Schäfer, Harald and Nickl, Julius.
THE EQUILIBRIUM REACTION $\text{Si} + \text{SiCl}_4 = 2 \text{SiCl}_2$
AND THE THERMOCHEMICAL PROPERTIES OF
GASEOUS SILICON(II) CHLORIDE (Über das Reak-
tionsgleichgewicht $\text{Si} + \text{SiCl}_4 = 2 \text{SiCl}_2$ und die Thermo-
chemischen Eigenschaften des gasförmigen Sili-
cium(II)-chlorids). [1961] 18p. 11 refs.
Order from SLA \$1.60 61-20531

I. Schäfer, H.
II. Nickl, J.

191113

Trans. of Z[sch]e[r]f[sch]e[r]f[t] f[ür] Anorg[anische] Chemie
(East Germany) 1953, v. 274 [no. 4/5] p. 250-264.
Another trans. is available from SLA mi\$2.40,
ph\$3.30 as 60-18007 [1960] 19p.

DESCRIPTORS: *Silicon, *Silicon compounds, *Chlo-
rides, Chemical reactions, *Chemical equilibrium
Thermodynamics, Chemical properties

For abstract see Technical Translations 4: 508, 1960.
(Chemistry--Physical, TT, v. 7, no. 4)

Office of Technical Services

The Saturation Pressure Above Liquid Titanium
Tetachloride, by Harald Schafer, Frierich
Zeppernick.

GERMAN

SLA per
NC State College

Jun 59

Contributions to the Chemistry of the Elements
Niobium and Tantalum: Part VI. The Separation
of the Elements Niobium and Tantalum by the
Reduction of Niobium Pentachloride, by
H. Schafer, C. Pietruck

XVI
GERMAN, per, Z Anorg Chem, Vol CCLIII, 1951,
pp 151-160.

TPA3/TIB T 4263

Scientific - Chemistry
CRS/DEX

17,379

Schafer, H. and Etzel, K.
THE MIGRATION OF COPPER (I) OXIDE AND OF
COPPER IN TEMPERATURE GRADIENTS. Pt. 5. of
Chemical Transport Reactions. [1961] 10p.
Order from ATS \$14.10 ATS-64N51G

Trans. of Zeitschrift für Anorganische Chemie
(East Germany) 1957, v. 291, p. 294-304.

DESCRIPTORS: Copper compounds, *Oxides,
Temperature, *Copper, Chemical reactions, *Trans-
port properties, Liquid metals.

(Chemistry--Physical, TT, v. 6, no. 4)

61-22905

- I. Schafer, H.
- II. Etzel, K.
- III. Title: Chemical ...
- IV. ATS-64N51G
- V. Associated Technical
Services, Inc., East
Orange, N. J.

ATS/943-GT

Office of Technical Services

Schafer, H., Jacob, H., and Etzel, K.
**CHEMICAL TRANSPORT REACTIONS. II. THE AP-
 PPLICATION OF THE DECOMPOSITION EQUILIBRIUM
 OF IRON (II) AND NICKEL (II) HALIDES TO THE
 TRANSPORT OF THE METAL IN A TEMPERATURE
 GRADIENT.** [1961] 12p.
 Order from ATS \$14.75

ATS-63NS1G

Trans. of Zeitschrift für Anorg[anische] Chem[ie]
 (East Germany) 1956, v. 286, p. 42-55.

DESCRIPTORS: Iron compounds, Nickel compounds,
 *Halides, Decomposition, Iron, Nickel, Metals,
 Thermodynamics, *Chemical equilibrium, Chemical
 reactions

61-22640

- I. Title: Transport reactions
- I. Schafer, H.
- II. Jacob, H.
- III. Etzel, K.
- IV. ATS-63NS1G
- V. Associated Technical
 Services, Inc., East
 Orange, N. J.

ATS/942--GT

The Saturation Pressure Above Liquid Titanium
Tetrachloride, by H. Schafer, F. Zeppernick, 11 pp.

GERMAN, per, Z. Anorg. u. Allgem. Chem, Vol CCLXXII,
1953, pp 274-278.

S.L.A. Tr No 57-86

Sci - Chemistry
Apr 57

46,917

Schiffer, Harald.
METHOD OF SEPARATING THE ELEMENTS NIOBIUM
AND TANTALUM, AND FOUNDATIONS THEREOF.
Rept. 19 on Niobium and Tantalum. [1963] 27p. (figs.
tables omitted) 134 refs.
Order from SLA \$2.60

63-14204

Trans. of Angewandte Chemie (West Germany) 1959,
v. 71, no. 4, p. 153-160.

DESCRIPTORS: *Niobium, *Tantalum, Separation,
Oxidation, Hydrolysis, *Distillation, Chromatographic
analysis, Chlorides, Reduction (Chemistry), Acids,
Crystallization, Oxalates.

The methods of niobium-tantalum separation are
arranged and discussed from a unified point of view.
By far the majority and the best of the known methods
are based on the difference in stability of lower ox-
idation steps or middle hydrolysis steps. (Author)
(Engineering-Chemical, TT, v. 10, no. 5)

63-14204

I. Schiffer, H.

1242674

Office of Technical Services

Schäfer, Harald, Jacob, Herbert, and Etzel, Karl.
CHEMICAL TRANSPORT REACTIONS. I. ON THE
TRANSPORT OF PRECIPITATES IN TEMPERATURE
GRADIENTS BY MEANS OF HETEROGENEOUS
EQUILIBRIUMS. [1961] 26p. 22 refs.
Order from SLA \$2.60

61-18252

Trans. of Zeit[schrift] f[ür] Anorg[anische] Chemie
(East Germany) 1956, v. 286 [no. 1] p. 27-41.

DESCRIPTORS: *Chemical equilibrium, Convection,
Thermal diffusion, *Electrostatic precipitation, Gases,
Diffusion, Chemical reactions, Thermochemistry,
Decomposition, *Transport properties.

If reversible reactions such as $\text{Si} + \text{SiCl}_4(\text{gaseous}) =$
 $2 \text{SiCl}_2(\text{gaseous})$ and $\text{Fe}_2\text{O}_3 + 6 \text{HCl} = 2 \text{FeCl}_3(\text{gaseous})$
 $+ 3 \text{H}_2\text{O}$ take place in reaction tubes which lie in a tem-
perature gradient (for example, 1000/800° C), the
precipitate is taken up at the higher temperature and is
(Chemistry--Inorganic, TT, v. 6, no. 10) (over)

61-18252

- I. Title: Transport reactions
- I. Schäfer, H.
- II. Jacob, H.
- III. Etzel, K.
- IV. Title: On the Transport...

Office of Technical Services

Coarse-Grained Inorganic Ion Exchangers With an
Inactive Matrix, by Karl-Heinz Kordig, Horst Schäfer, 29
et al, 7 pp.
GERMAN, per, Radiochimica Acta, No 1, 1963,
pp 213-216. 9225876
AEC-ANL-Tr-73

Sci-Nucl Sci
Dec 64

270,555

65
Molecular and Temperature Dependence of
Diffusion and Self-Diffusion in Inert
Gases, by K. Schafer et al. 7 pp.
GERMAN, par, Z. Elektrochem, 61, 1957
pp. 246-252.
*CFSTI TT 70-58114
AVAILABLE FROM NBS ONLY

Sci/chem
Apr 70

K. Schafer

65
The Hindered Energy Exchange Between Solid
Materials and Adsorbed Gas Molecules for
Ortho- and Para-Hydrogen, by K. Schafer, B.
Stots.

GERMAN, per, Z. Elektrochem., Vol 65, No 7/8,
1961, pp 623-628.
Chem Trans Sv 3063

K. Schafer

321,753

Sci - Chemistry
Apr 67

Adsorption, a Partial Thermal Accommodation
of Gases on Surfaces, and its Relation to
Catalytic Actions, by Kl. Schafer, H.
Gerstacker, 18pp.
GERMAN, ger, Zeitschrift fur Elektrochemie,
Vol 60, 1956, No 8, pp 874-887.
CFSII TT-64-18089

Kl. Schafer

323,224

Sci - Chemistry
Apr 67

**A Comparison Between the Stream Filament Theory of
Gas Dynamics and the Axially Symmetric Flow Theory**
by H. Schaefer, 6pp
GERMAN, rpt, Franken Technical University,
NRA TT-64-18176

H. Schaefer

Sci - Mech
May 67 *Grada*

346,684

Schäfer, Harald and Morcher, Bernhard.
CHEMICAL TRANSPORT REACTIONS. IV. MIGRA-
TION OF SILICON DIOXIDE IN A TEMPERATURE
GRADIENT IN ASSOCIATION WITH SILICON MON-
OXIDE AND SILICON HALIDES (Die Wanderung von
Siliciumdioxid im Temperaturegefälle unter Mitwirkung
von Siliciummonoxyd und Siliciumhalogeniden). [1961]
10p. 17 refs.

Order from SLA \$1.10

61-18662

Trans. of Z[eitschrift für] Anorg[anische] Chemie
(East Germany) 1957, v. 291, p. 221-226.

DESCRIPTORS: *Silicon compounds, *Dioxides,
*Monoxides, *Halides, Chemical reactions, Separation,
Condensation reactions, Decomposition,
Thermodynamics.

When a mixture of Si and SiO₂ is heated, after addition
(Chemistry--Inorganic, TT, v. 6, no. 10) (over)

61-18662

- I. Title: Transport reactions
- I. Schäfer, H.
- II. Morcher, B.
- III. Title: Migration...

Office of Technical Services

Short Report on the Purification of Columbiun
Preparations, by Harold Schafer, 2 pp.

GERMAN, per, Z Naturforschung, Vol IIIb, 1948, p 376.

S.L.A. Tr 928/1956

39,202

Sci - Chemistry

SLA 57-1865

Schafer, Harold and Kahlenberg, Franz.
CONTRIBUTION TO THE CHEMISTRY OF THE ELE-
MENTS NIOBIUM AND TANTALUM. XXII. THE
ENTHALPY OF FORMATION OF TANTALUM CHLO-
RIDE AND THE THERMOCHEMISTRY OF THE CHLO-
RIDES $TaCl_5$, $TaCl_4$, and $TaCl_3$. [1962] 18p. 34 refs.
Order from SLA \$1.60 63-10767

Trans. of Zeitschrift für Anorganische Chemie
(East Germany) 1960, v. 305, p. 178-189.

DESCRIPTORS: Niobium, *Tantalum, *Tantalum com-
pounds, *Chlorides, Thermochemistry, *Enthalpy,
Heat of formation.

The enthalpy of formation of tantalum tetrachloride was
estimated by determination of the heat of solution:
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Inflammability

Odor and physiological properties

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