

Extractive Distillation of a System With an
Azeotropic Point and a Miscibility Gap, by
K. Kummerle.

GERMAN, per Chem.-Ing.Tech, Vol. 32, 1960

pp 513-517

GH 28

Sol -
Aug 67

336-389

Heat Transfer Measurements in Thin-film Evap-
orators, by K. Dieter.
GERMANY, par, Chemie-Ingenieur-Technik, Vol 38,
No 8, 1960, pp 521-524.
NND 69-15417-07A

Sci.-Chem
Dec 69

398,420

61-12655

Keller, H
CORROSION OF STEELS IN HOT GASES. [1960] 6p
Order from ATS \$7.30 ATS-64M47G

Trans. of Chem[ist]-Log[icians]-Tech[nik] (West
Germany) 1960, v. 32, no. 9, p. 582-584.

148,640

- 1. Steel--Corrosion
- 2. Gases--Corrosive effects
- 3. Corrosion--Measurement
- I. Keller, H.
- II. ATS-64M47G
- III. Associated Technical Services, Inc., East Orange, N. J.

ATS/48-640

Office of Technical Services

(Metallurgy--Ferrous Metals, TT, v. 5, no. 7)

Determination of the Heat Transfer from Ball Charges
to Circulating Gas by Means of the Material
Transfer Analogy, by G. B. Von der Decken, ~~Z~~
E. J. Bantke, et al, 15 pp.

CHENIE, pt. 2, Chemie Ingenieur Technik, Vol XXXII,
1960, pp 991-994. 9202572

ARC-Tr-5537

ARC-5487

224,498

del - Flynn

11 Mar 63

Continuous Measurement of the Concentration of
Substances by Means of Bremsstrahlung From Low
Energy Beta Emitters, by W. Kuhn, 9 pp.

CHIMIE, par, Chemie-Ingénieur-Technik, Vol XXXII,
1960, pp 747-749. 9208264

ABO-12-5707

Sci - Jibye

Jun 63

234,291

Production and Use of Heavy Water, by L. Kuchler,
37 pp.

GERMAN, per, Chemie-Ingr-Technik, Vol XXXII,
No 12, 1960, pp 773-781. 9079686

ABC EP-Tr-647

164, 884

601
Aug 61.

61-22920

Steinhofer, A. and Prey, O.
THE PRODUCTION OF ETHYLENE FROM CRUDE
OIL IN A FLUIDIZED BED. [1961] 14p.
Order from ATS \$21.90 ATS-81NSIG

Trans. of Chem[ist]-[ndustri]-Tech[nik] (West
Germany) 1960, v. 32, no. 12, p. 782-788.

DESCRIPTORS: *Ethylene, Production, Petroleum.
Chemical engineering, Oils, *Fluidized solids.

- I. Steinhofer, A.
- II. Prey, O.
- III. ATS-81NSIG
- IV. Associated Technical Services, Inc., East Orange, N. J.

ATS-741-GJ

18785

Office of Technical Services

(Engineering - Chemical, TT, v. 6, no. 4)

<p>Eisenlohr, K.-H. and Wirth, J. PROCESSES FOR THE PRODUCTION OF PURE AROMATICS FROM HYDROGENATION RAFFINATES AND REFORMATIVES. [1961] 14p. Order from ATH \$18.60</p>	<p>61-25367</p>
<p>Trans. of Chem. [sic] Ingenieure-Technik (West Germany) 1960, v. 32, no. 12, p. 789-795.</p>	<p>I. Eisenlohr, K.-H. II. Wirth, J. III. ATS-38NSIG IV. Associated Technical Services, Inc., East Orange, N. J.</p>
<p>DESCRIPTORS: *Benzene, Production, Hydrogenation</p>	<p><i>ATS/805-6J</i></p>
<p>(Chemistry--Organic, TT, v. 6, no. 11)</p>	<p>Office of Technical Services</p>

Large-Scale Slagging Producers of Gas for
Chemical Syntheses, by F. Duftschmidt.

GERMANY, per, Chemie-Ing-Techn., Vol XXXII,
No 12, 1960, pp 606-611.

Dept of Interior
TEI 837 No 482

Sci - Chem

Rep 61.

168,529

61-20478

I. Healy, H.

Healy, Hinn.
ONE-TOWER LOW PRESSURE ABSORPTION INSTAL-
LATIONS FOR THE PRODUCTION OF NITRIC ACID
FROM NITROSE GASES. [1961] [IS]p. 3 refs.
Order from SLA \$1.60 61-20478

Trans. of Chemie-Ingenieur-Technik (West Germany)
1961 [v. 33, no. 1] p. 27-31.

DESCRIPTORS: *Towers (Chemistry), Absorption,
*Nitric acid, *Nitrogen compounds, *Gases,
Production.

201437

An absorption tower for low pressure conditions has
been developed in which the tray spacing is greater in
the upper part and the spaces between the trays are
subdivided by perforated plates. As a result very
(Engineering--Chemical, TT, v. 7, no. 8) (over)

Office of Technical Services

Problems of Convective Mass Transport
in Electrolysis, by N. Jbl.
CZECH, per, Chemie-Ingenieur-Technik,
Vol 33, No 2, 1961, pp 69-74.
CEGB Trans 1145

Mar 72

<p>Vielstich, W. THE DEPOSITION VOLTAGE OF HYDROGEN IN THE ELECTROLYSIS OF AQUEOUS SOLUTIONS WITH RANEY METAL ELECTRODES. 18 Apr 62 (18p. 34 refs.) Order from S.L.A \$11.60</p>	<p>62-18040</p>
<p>Trans. of Chem[ic]-Ing[enieur]-Technik (West Germany) 1961, v. 33, p. 75-79.</p>	<p>I. Vielstich, W.</p>
<p>DESCRIPTORS: Electrochemistry, Electrode position, *Electrolysis, Nickel catalysts, *Hydrogen, Voltage, Fuel cells, Electrolytic cells, Water, D composition, *Electrodes.</p>	<p><i>Handwritten:</i> *INSTR TT E. 8810 25-11-1962</p>
<p>When using Raney nickel as catalyst, one obtains elec- trodes with zero hydrogen overvoltage for the elec- trolysis of alkaline solutions. In 27% KOH, at 80° C. and 1500 amp/cm², the deviation from reversible hydrogen potential with the double skeleton electrodes (Chemistry--Physical, TT, v. 8, no. 9) (over)</p>	<p>Offic. of Technical Services</p>

Engineering Principles in the Design of
Manufacturing Plant. by G. Jones, 11 pp

Research, pub. Chemical-Engineering-Technique, Vol. 1, No. 1, 1961, pp 139-149. 9094439

AEC NP-Tr-796

Oct - Enggr
Dec 61

176, 81.3

Heat Transfer and Flow Resistance of
Planned Tube Banks in Cross Flow,
by H. Braunor.
CHEMIE, por, Chemie-Ingenieur-Technik,
1961, Vol 33, No 5, pp 327-335,
No 6, pp 431-448.
BIBI 4255

Sed/DM
Jul 65

284,682

Heywert, Gerhard and Hedden, Kurt.
TEMPERATURE PROFILE AND KINETICS OF THE
CONVERSIONS IN THE BLAST FURNACE. (1963)
25p. (figs. tables) 31 refs.
Order from SLA \$2.40

63-16220

Trans. of Chemie-Ingenieur-Technik (West Germany)
1961, v. 53, no. 7, p. 469-478.

DESCRIPTIONS: Blast furnaces, Heat transfer,
Reaction kinetics, Temperature, Oxidation-reduction
reactions, Iron (Metal sources), Gases, Coke, Iron.

(Metallurgy, TT, v. 10, no. 3)

63-16220

I. Heywert, G.
II. Hedden, K.

Office of Technical Services

TT-65-12425

Field TA

Hunsmann, W.
BUTADIENE-1,3 AND BUTENE-1 SEPARATION THROUGH
AZEOTROPIC DISTILLATION WITH METHYLAMINE. 10p.
9 refs.
Order from SLA: 31,20 as TT-65-12425

Trans. of ~~Chemical Engineering~~ Technik (West Germany)
vol 4 no 1035-40 1961.

I. Hunsmann, W.

MR 633

Quantity and Behavior of the Intergranular
Moisture in Granular Materials, by W. Batel.

Chemical, per, Chémie Industrielle Techniq. YVES
Vol XXXIII, No 8, 1961, pp 541-547.

GA/10/2778

Sci-SEARCH
Jun 63

~~234,629~~
239,646

62-12231

Wesslau, H.

CHAIN LENGTH DISTRIBUTION OF ALKYL CHAINS
IN THE CONTINUOUS ORGANOMETALLIC SYNTHESIS
REACTION AS AN EXAMPLE FOR THE CALCULATION
OF A REACTION IN THE CASCADE RE-
ACTOR. [1961] 5p.

Order from ATS \$7.25

ATS-94N56G

Trans. of Chem. (Ingenieur)-Technik (West
Germany) 1961, v. 33, no. 6, p. 556-558.

DESCRIPTORS: *Metalorganic compounds, Synthesis,
Chemical reactions, *Alkyl radicals.

(Chemistry--Organic, TT, v. 7, no. 6)

- I. Wesslau, H.
- II. ATS-94N56G
- III. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Size Distribution of Gas Bubbles in Bubble
Columns. Part I: Influences of Liquid
Viscosity and Column Internal Pressure, by
H. Kolbel, et al.

GERMAN, per, Chemie-Ing Tech, Vol XXXIII,
No 10, 1961, pp 668-675.

Chem Trans Sv No 2660

Sci-Chem
Mar 67

320,876

Deuterium Exchange Between Hydrogen and Liquid
Ammonia with Potassium as Catalyst, by R. Haul,
H. Die, et al, 22 pp.

GAZETTE, Jour, Chémis-Ingenieur-Technik, Vol XXXIII,
No 11, 1961, pp 713-718. 920815

ADC-EP-1-935

Sci. - Natl. Sci.

Jul. 63

235,678

WALTER, S. and others. Enrichment of heavy water by high-pressure exchange between hydrogen and an aqueous catalyst-suspension. 2. Construction and operation of a semi-industrial trial plant. Chemie-Ingr-Tech. 34:7-10 (1962) (AAEC LIB/TRAN

63-12974

Brodt, Franz
OXIDATION REACTIONS IN PETROCHEMISTRY
PLenary Session of the German Chemical
Soc. Meetings, Aachen, 22 Sep 62. [1962] 65p.
Order from K-H \$81.25 K-H 11777

Trans. of Chem. Ingenieur-Tech. (West
Germany) 1962, v. 34, no. 1, p. 45-61.
Another trans. is available from SLA \$7.60 as
62-18671 [1962] [22]p.

DESCRIPTORS: *Oxidation, Chemical reactions,
*Petroleum, *Chemistry, Germany, Scientific
organizations.

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

- I. Brodt, F.
- II. K-H-11777-b
- III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

State and Transport Properties of Argon Plasma, by
Klaus Fonski,
GERMAN, per, Chemie-Ing Tech, No 34, 1962, pp 84-87.
*AFCHL.

Sci/Chem
Oct 69

Mass Transfer of Gas/Liquid in a Stirred Tank,
by F. H. H. Valentin.
GERMAN, per, Chemie-Ingenieur-Technik, Vol 34,
1962, pp 194-198.
NTC-71-12696-07A

Nov 71

On the Rheology of Suspensions.

GERMAN, per, Chem-Ingr-Tech, Vol XXXIV, 1962,
pp 223-230.

Possibly to Come From Contacts
per 10 Dec 1962 memo
USIB INTERNAL USE ONLY

Sci - Chem

Dec 62

TT-65-1229)

Field 7A

Hefferich, F.
CALCULATION OF INDUSTRIAL, ION-EXCHANGING
COLUMN. A CRITICAL INVESTIGATION ON THE THEO-
RETIC BASIS AND METHODS. 33p. 116refs.
Order from SLA: \$1.00 as TT-65-1229

Trans. of Chemie-Ingenieur-Technik (West Germany)
v34 no 287-82 1961.

I. Hefferich, F.
II. Title: Critical ...

MR 629

High-Efficiency Rectification Sieve Plates, by
E. Kirschbaum.
GERMAN, per, Chemie-Ingenieur-Technik, Vol 34,
1962, pp 283-292.
NTC-71-12694-07A

Nov 71

**Fully Automatic Evaluation in the Vacuum Spectro-
metric Analysis of Steel, by G. Grass, W. Lutherath,
et al.**

**GERMAN, per, Chemie-Ingenieur-Technik, Vol XIV,
No 4, 1962, pp 300-311.**

HD 5000

**Sci-MNH
Mxy 63**

229,837

TT-64-10483

Jeitner, F.
VARIOUS SHAPES AND MATERIALS OF ELECTRODES FOR THE CHLORO-ALKALI ELECTROLYSIS. Paper presented to German Chemical Society, Section Applied Electrochemistry, Frankfurt/Main-Höchst, 5-6 Oct 61. [1963][16p] 9refs
Order from SLA \$1.60

TT-64-10483

Trans. of Chem. Ingenieure-Technik (West Germany) 1962, v. 34, no. 5, p. 353-357. (Abstract available)

DESCRIPTORS: *Electrochemistry, *Electrodes, *Anodes (Electrolytic cells), Design, Geometric forms, Materials, Electrolysis,

The choice and shape of anode-material was important for the development of the chloro-alkali electrolysis. Anodes made of noble metals and their alloys and also of magnetite did not become very important. Today, the anodes are almost exclusively made of graphite plates and
(Engineering-Chemical, TT, v. 11, no. 9) (over)

Office of Technical Services

Bauer, R.
CHLORATE ELECTROLYSIS. [1963] 10p 1ref
Order from S.L.A #1. 10 TT-63-20467

Trans. of Chem.-Engineering-Technol. (West Germany)
1962, v. 34, no. 3, p. 376-(378). (Abstract available)

DESCRIPTORS: *Electrochemistry, *Sodium com-
pounds, Potassium compounds, *Chlorates, *Elec-
trolysis, *Electrolytic cells, Electrodes, Design,
Construction, Operation.

The development and the present status of chlorate
electrolysis are described, and process techniques
and apparatus are discussed which can increase
current efficiency. (Author)

(Engineering--Chemical, TT, v. 11, no. 3)

TT-63-20467

I. Bauer, R.

Office of Technical Services

Schon, G.
ELECTROSTATIC CHARGING PROCESSES AND THE
SPARK DANGER FROM THEM. [1963] 18p
Order from K-H \$18.00 K-H 12054

Trans. of Chem. ~~Ingenieur-Technik~~ (West Germany)
1962, v. 34, no. 6, p. 432-436.

DESCRIPTORS: *fibers (Chemistry), *Static
electricity, Electric discharges, *Sparks.

(Engineering-Chemical, TT, v. 10, no. 11)

63-22486

- I. Schon, G.
- II. K-H-12054
- III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Applicability of Dibutyl Ether for Preparation of
Irradiated/Nuclear Fuels by Means of Extraction,
by H. J. Born.

GERMAN, per, Chem Ing Tech, Vol XXXIV, Aug 1962,
pp 537-541.

UKAEA
Windscale Tr No 13
Available on LOAN ONLY

Sci - Fuel s

Mar 63

Mixing of Liquids and Formation of Foam in
Grid-Type Plates, by A. Muetzenberg.
GIERMAN, per, Chemie-Ingenieur-Technik, Vol 34,
1962, pp 542-546.
NTC-71-12697-07A

Nov 71

Heat Transfer in Finned Tube Bundles, by
H. Kost.
GERMANY, per, Chemie-Ing.-Techn., Vol 34,
No 8, 1962, pp 546-551.
DISI 4527

EE-Germany
Sci/1001
Jan 66

294,633

Fuler, J.
UNUSUAL METHODS FOR PRODUCING CURRENTS.
17 Jan 63, (17)p. 26 refs.
Order from SLA \$1.60

63-16407

I. Fuler, J.

63-16407

Trans. of Chem[ic]e [English] [Technical] [West
Germany] 1962, v. 34, p. 567-571.

DESCRIPTOR *Electric power production, Cesium,
Vapors, Generators, Electrolytic cells, Sodium com-
pounds, Mercury alloys, Thermoelectricity, Ferro-
electricity, Electricity.

In addition to the much discussed thermionic and
thermoelectric devices, fuel cells, magnetohydro-
dynamic generation, etc., there are a number of other,
little known processes for the production of electrical
energy. Some of these have been discussed. The best
technical prospects are probably offered by the cesium
vapor generator. The amalgam distillation according
(Engineering - Electrical, IT, v. 10, no. 7) (over)

Office of Technical Services

Isotope Separation and Enrichment, by K. Bier,
W. Fischer, et al, 8 pp.

CHERIAN, J., Chem Engineer Tech., Vol XXIV,
1962, pp 580.

AIC-tr-5986

Sci-Engg
Nov 63

241, 364

63-18434

Wöhler, H. and Reiser, W.
PROBLEMS IN THE BUNKERING OF MEDIUM AND
FINE-GRAIN LOOSE MATERIAL (Fragen der
Bunkerung von Mittel- und Feinkörnigem Schüttgut).
[1963] [19]p. (foreign text included) 16 refs.
Order from ILLA \$1.60 63-18434

Trans. of Chem[ie]-Ingenieur]-Tech[nik] (West
Germany) 1963, v. 34, p. 605-609.

DESCRIPTORS: Materials, *Storage, *Containers,
*Particles, Motion, Friction, Pressure, Separation,
Particle size, Literature.

The investigations indicate connections between bunker
form, outlet opening and the loose material's proper-
ties. In addition, pressure distribution, bridge
formation and inhibiting are discussed.

(Engineering--Chemical, TT, v. 10, no. 11)

1. Title: Bunkers
I. Wöhler, H.
II. Reiser, W.

Office of Technical Services

Pilot Plant for the Continuous Cultivation of
Microorganisms, by A. Fiechter, 18 pp.

GERMAN, paper, *Chemie Ingenieur Technik*, Vol XXXIV,
no 10, 1952, pp 692-696. 9208805

ABC-Tr-568

Sci - Phys

SLA 63-18732

Jul 63

236,183

Schildknecht, H., Maas, K., and Kraus, W.
EXTREMELY PURE ORGANIC SUBSTANCES BY CONTINUOUS COLUMN CRYSTALLIZATION AND ZONE MELTING. [1962] 21p. (refs. omitted).
Order Form SLA \$2.60

63-10904

Trans. of Chemie-Ingenieur-Technik (West Germany)
1962, v. 34, no. 10, p. 697-701.

DESCRIPTORS: Organic compounds, *Benzene, *Phenanthrene, Purification, *Crystallization, *Zone melting, Towers (Chemistry).

With benzene as example, it is shown that column crystallization is superior to distillation for the preparation of pure liquids. Solid, crystallizing crude products, e. g. phenanthrene, can also be purified in this manner, using tilted columns in a continuous process. Highest purity is subsequently achieved by means of directed crystallization procedures such as 'normal solidification' and zone melting. (Author)

63-10904

I. Schildknecht, H.
II. Maas, K.
III. Kraus, W.

(Engineering--Chemical, TT,
v. 10, no. 2)

Office of Technical Services

Flue Gas Monitoring of Industrial Plant With a
Process Photometer, by H. Hummel J. Ebert.
GERMAN, per, Chemie Ingenieur Technik,
Vbl XXXIV, No 10, 1962, pp 704-708.
CIBGE 3172

Engr - Engr
Ajr 64

255,180

Apparatus for Automatic Gravimetric Measurement of
Gas Sorption, Particularly for Determination of
Specific Surface, and Pore Size, by G. Sandstede.
GERMANY, per, Chemie-Ingenieur-Technik, Vol 34, No 10,
1962, pp 708-713.
ITC-71-11436-07A

Nov 71

Lode, W., Dettmar, H.-K., and Marro, E.
DETERMINATION OF THE PARTICLE-SIZE DISTRIBUTION OF SUSPENDED WHITE PIGMENTS BY MEANS OF THE EXTINCTION SPECTRUM. [Apr 61]
10p
Order from ATS \$13.65

ATS-69R730

Trans. of Chem[ist] [unintelligible] [unintelligible] (West Germany) 1967, v. 34, no. 11, p. 782-786.

(Materials - Paints, TT, v. 12, no. 1)

TT-64-22070

- I. Lode, W.
- II. Dettmar, H.-K.
- III. Marro, E.
- IV. ATS-69R730
- V. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

Investigation of the Separation by Centrifugal Forces
of Flowing Mixtures of Gas and Liquid, by K. Traube,
J. Vollradt.
GERMAN, per, Chem Ingen Technik, Vol XXXIV, No 12,
1962, pp 827-833.
AEC-Risley Tr 765

Sci.
mar 65

Schmidt, H. J.
CALCULATIONS FOR THE HETEROGENEOUS FIRST
ORDER WALL REACTION IN CYLINDRICAL TUBES.
[1962] Sp 7rad
Order Zittel SLA #1, 10

63-18948

Trans. of Chemisch-Industriell-Technik (West
Germany) 1962, vol. 34, p. 841-842

DESCRIPTORS: Chemical reactions, *Reaction kinetics,
Diffusion, *Fluid flow, Pipes, Laminar flow, Special
functions, Mathematical analysis.

The theoretical presentation of the influence of flow
and diffusion on the conversion in chemical reactions
up to the present has been successful in few cases. The
special cases solved so far for the case of the heteroge-
neous wall reaction of the first order in cylindrical flow
reactors are briefly compiled. The detailed calculations
(Chemistry--Physical, TT, v. 10, no. 11) (over)

63-18948

I. Schmidt, H. J.

Office of Technical Services

The Importance of Sigma-Phase Embrittlement in
Chromium and Chromium-Nickel Steels Used for
Chemical Plant Manufacture, by K. Richard,
Petrich.
ZITMAN, per, Chemie-Ingenieur-Technik, No 1, 1963,
pp. 29-36.
15151 358.2

Sci - Chem
Aqir 64

255,082

Heat Exchanger with Drop Condensation, by W. Kast,
14 HE.
GERMANY, post, Chemie-Ingenieur-Technik, Vol XXXI,
No 3, 1958, pp 163-168. 9825397
ACCEL/64/3117

Sci - Phys
May 65

280,364

K. Hoffman

Moisture measurement by infrared reflection
GERMAN, per, Chemie-Ingenieur-Technik, Vol 34, 1963
**NASA TT F-14333*

July 72

New Developments in Chlorine Electrolysis
by the Mercury Process and in the Liquefaction
of Chlorine, by H. Schmidt, F. Holzinger.
GERMAN, par, Chemie-Ingenieur-Technik, Vol 35,
No 1, 1963, pp 37-44.
SLA TT-65-10327

Sci-Chem
Aug 66

308,475

K. Hoffman

Humidity measurement by means of infrared
reflection. 27 pp.
RUSSIAN, Chem.-Ing-Tech, Vol 35, No 1, 1963
pp 55-62
NASA TT F 14,333

oct 72

Distribution of Pressure in Gas-Currents in Gas-
Fluidizing Beds, by H. Reuter.
GERMAN, per, Chemis-Ingenieur-Technik, Vol XXXV,
No 2, 1963, pp 98-103.
CSIRO No 6572

Sci - Chem
Apr 64

257,259

Influence of Surface Phenomena on Mass Transfer Coefficient
in Liquid-Liquid Extraction, by H. Sawistowski.

GERMAN, per Chemie-Ingenieur-Technik, Vol. 35, No. 3,
1965, pp 175-179

OH 345

Sci -
Sep 67

339-734

TT-63-20315

Kolbe, E. and Brandmair, F.
DEVELOPMENTS IN ADIABATIC ABSORPTION OF
HYDROGEN CHLORIDE AND HYDROGEN FLUORIDE.
[1963] 17p (figs omitted) 12refs
Order from I.L.A. \$1.60

TT-63-20315

I. Kolbe, E.
II. Brandmair, F.

Trans. of Chemie-Ingenieur-Technik (West Germany)
1963, v. 38, no. 8, p. 202-208. (Abstract available)

DESCRIPTIONS: *Process (Chemistry), Design,
*Hydrochloric acid, Manufacturing methods, *Hydrogen
compounds, *Chlorides, *Fluorides, Absorption
(Physical)

The production methods, and the corresponding manu-
facturing plant, using carbon materials for the appara-
tus for the adiabatic absorption of hydrogen chloride,
are described. Two newly developed processes are de-
scribed, which include adiabatic hydrogen chloride ab-
sorption as an essential step. One of these permits the
(Engineering--Chemical, TT, v. 11, no. 2) (over)

Office of Technical Services

Ziegler, K.
ELECTROCHEMICAL SYNTHESIS OF METAL
ALKYL.S. 13p
Order from ATS \$10.45 ATS-03R750

Trans. of Chem[ist]-[and] Techn[ol] (West
Germany) 1963, v. 35, no. 5, p. 325-331.
Another trans. is available from SLA \$1.60 as
TT-64-16331, 18pp

Chem. Technol. 30 2148

(Chemistry--Organic, TT, v. 12, no. 5)

65-1813 C
TT-64-22286

64-16331
I. Ziegler, K.
II. ATS-03R750
III. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Vetter, K. J.
THEORETICAL EXPERIMENTAL MEANS FOR THE
ELUCIDATION OF ELECTROCHEMICAL SYNTHESIS
REACTIONS. (1968) (54p) 47.66
Order from SLA \$11.40 TT-63-20602

Trans. of Chem. Ingenieur-Technik (West Germany)
1968, v. 35, p. 344-352. (Abstract Available)

DESCRIPTION: Electrochemistry, Synthesis (Chem-
istry), Chemical reactions, Electrodes, Electric poten-
tial, Electric currents, Anodes, Cathodes, Oxidation-
reduction reactions, Reaction kinetics

Anodic and cathodic electrochemical reaction series
were determined from the concentration dependence of
the transient over-voltage or the exchange current den-
sity. By means of these quantitative factors, the trans-
fer reactions, and, therefore, the excess charge at the
phase-boundary, were determined. The chemical reac-
(Chemistry--Physical, TT, v. 11, no. 5) (over)

TT-63-20602

I. Vetter, K. J.

Office of Technical Services

Electrochemical Oxidation of Methyl Alcohol.
by W. Vielstich,
GOSMAN, per, Chemie Ingenieurtechnik, Vol
XXIV, No 5, 1963, pp 362-367.
AKKI J-1717
ID 2201005287

Sci-Chem
May 67

325,834

Fuel for Fuel Cells, by H. Bado,
GERMAN, Mon. (Chem-Ingenieur-Technik, Vol
KERN, No 5, 1963, pp 367-371, 376.
ACSEE J-1800
ID A204010567

Sci-Prop & Fuels
Apr 67

321,495

Formation and Migration of Discontinuities in the
Solids Concentration in Suspensions, by P.
Graessmann.
GERMAN, per, Chemie-Ingenieur-Technik, Vol 35, pp
7, 1963, pp 477-482.
(SIACIR/Raf: 382)

Sci -
Aug; 67

339.907

Preparative Thin-Layer Chromatography,
by E. Hildgess
GILMAN, per, Chemia Ind. Techn. Vol 35, No 7,
1963, pp 488-493.
Mil. Ref: 5828.47 (12725)

Sci-Chemistry
Jnl 68

360,770

TT-64-1279

ACCIDENTS WITH AUTOCLAVES. [1964] 2p
Order from ATS \$2.00 ATS-01R750

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