

The Use of Iron Oxides for Chromatographic
Adsorption, by O. Glemser, G. Rieck, 5 pp.
GERMAN, per, Angewandte Chemie, 1957, vol
69, no 3, pp 91-93.
SLA TT 64-16824

Jul 66

305,452

61-25131

Koster, R. and Ziegler, K[arl].
A SIMPLE SYNTHESIS OF N-TRIALKYL
BORAZANES; NEW METHODS OF PREPARATION OF
METAL BOROHYDRIDES; THE PREPARATION OF
DIBORANE. [1961] 6p. 6 refs.
Order from ES \$3.00

Trans. of Angew[andte] Chem[ie] (West Germany) 1957,
v. 69, p. 94-95.

DESCRIPTORS: Boron compounds, *Diboranes,
*Hydrides, Organoboranes, Synthesis, Metals,
*Borohydrides, *Alkyl radicals.

(Chemistry--Organic, TT, v. 6, no. 8)

- I. Koster, R.
- II. Ziegler, K.
- III. Stux, Erica, Akron,
Ohio

155207

Office of Technical Services

Cöhring, Margot, Nidenzu, R., and Ratzel, G.
PHOSPHORUS-NITROGEN COMPOUNDS, tr. by Bertin
P. Klenova. 16 Apr 58, Tp. TVA 3714.
Order from OTS or SLA \$1.10 62-25807

Trans. of Angew[andte] Chem[ie] (West Germany) 1958,
v. 69, p. 105.

DESCRIPTORS: *Phosphorus compounds, *Nitrogen
compounds, *Amides, *Imides, Preparation.

The purpose of the study was to prepare the amides and
imides of oxycids with phosphorus of the oxidation
number +5, insofar as these were not known. The re-
action of diphosphoric acid tetrachloride with ammonia
was investigated with this in view. (Author)

(Chemistry--Organic, TT, v. 9, no. 4)

62-25807

- I. Cöhring, M.
- II. Nidenzu, R.
- III. Ratzel, G.
- IV. TVA 3714
- V. Phosphorus Valley
Authority, Witten, 1958,
104
- VI. 62-25807, in cl.

DT-10-62

Office of Technical Services

Stroh, R., Ebersberger, J., Haberland, Hans, and
Hahn, Wilm.

NEWER METHODS OF PREPARATIVE ORGANIC
CHEMISTRY. 7. ALKYLATION OF AROMATIC
AMINES. 32p 17refs.

Order from SLA \$3.60

TT-64-18382

Trans. of Angewandte Chemie (West Germany) 1957,
v. 69, no. 4, p. 124-131.

TT-64-18382

I. Stroh, R.
II. Ebersberger, J.
III. Haberland, H.
IV. Hahn, W.
V. Title: Alkylation ...

(Chemistry--Organic, TT, v. 12, no. 7)

Office of Technical Services

Violet Hydrofluoric Acid, by F. Seel,
H. Sauer.
GERMAN, per, Angew Chemie, Vol 69, No 4,
1957, pp 135.
NTC 69-12463-07B

Sci Chem
Aug 69

388,518

62-22878

Wieland, Th. and others.
PAPER CHROMATOGRAPHY OF POLYNUCLEOTIDE
AROMATICS. [1962] 5p.
Order from K-H \$6.25

K-H 6456-c

Trans. of August (and), Chemie (West Germany) 1957
[v. 69] no. 5, p. 172-174.

DESCRIPTORS: • Paper chromatography. Benzenes.
• Organic compounds.

- I. Wieland, Th.
- II. K-H-6456-c
- III. Krasge Hooker Science
Library Associates,
Inc., New York

(Chemistry--Analytical, TT, v. 8, no. 1)

Synthesis of Hypertensin II Peptides, by W. Rittel,
B. Iselin, H. Kappeler, B. Riniker, E. Schwyzer,
3 pp.

GERMAN, per, Angewandte Chemie, Vol LXIX, 7 Mar
1957, pp 179-.

NIH 1-36a-60

Sci - Med

Mar 60

110,425

The Behavior of Esters of Thionophosphoric Acid at
Elevated Temperatures, by G. Hilgetag, G. Schramm,
H. Teichmann, 4 pp.

GERMAN, Angew Chem, Vol LXIX, No 6, 1957, pp 205

SLA 59-10490

Sci - Chem
Sep 59
Vol 2, No 1

97, 270

Kinetics of Stereospecific Polymerization of Propylene to Isotactic Polymers, by G. Natta, I. Pasquon, E. Giachetti, 12 pp.

GERMAN, per, ^{No 7,} Angew Chem, Vol LXIX, pp 213-219, 1957.

SIA 3225

Sci - Chem
Aug 58

OTS 61-20651
CIS 62-14303
FSLIB 62-39

70.614

Ion Exchangers in Analytical Chemistry, by
I. Schindewolf, 27 pp.

GERMAN, semino per, Angew Chem, Vol LIX, 1957,
pp 226-36.

SLA 57-2979
AEC Tr 2975

Sci - Physics; Chemistry
Sep 57

5-2, 436

Modes of Formations in Reactions of
Dehydrobenzene, (Cyclohexadiene), by
G. Wittig. 26 pp.

GERMAN, per, Angewandte Chemie, Vol ~~LXXIX~~
LXXIX, No 8, 1957, pp 245-251.

CSIRO 3697

K-H-6095

188,535

Sci - Chem

Mar 62

TT-54-200

Further Investigations on Ethylenimino
Quinones and Related Compounds, by W. Gauss,
S. Petersen, 26 pp.

GERMAN, par, Angew Chem, Vol LXXIX, 1957,
pp 252-257.

NIH Tr 10-31

Sci - Chemistry

Oct 57

54,676

Group Analysis in Saturated Hydrocarbons by Molecular
Spectroscopy, by H. Luther, H. Oelter.

GERMAN, par, Angew Chem, Vol LXXIX, No 8, 1957,
pp 262-266.

ATS 272-G/

CSID

Sci - Chem
Nov 59

100,380

Autoxidation of Hydrocarbons and the Phenol Synthesis
via Cumene, by H. Hock, H. Kropf, 32 pp.

GERMAN, per, Angew Chem, Vol LXIX, 1957, pp 313-
321.

CIA/FDD/KX-431

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chem
May 58

IAC INTERNAL USE ONLY

62,884

Huisgen, Rolf.
RECENT CONTRIBUTIONS TO THE CHEMISTRY OF
MEDIUM-SIZED RINGS (I). [1962] 79p.
Order from K-H \$98.75 K-H 6360 a

Trans. of Angew[andte] Chemie (West Germany) 1957,
v. 69, 7 June, p. 341-359.

DESCRIPTORS: Chemistry, *Atomic structure.

(Chemistry, IT, v. 9, no. 10)

63-12991

I. Huisgen, R.
II. K-H-6360-a
III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

77-6-1-15

Office of Technical Services

The Synthesis of Fatty Acids With Purified Enzymes
From the Fatty Acid Cycle, by W. Seubert, G.
Greull, F. Lynen, 11 pp

GERMAN, part, Angew Chemie, Vol LXIX, No 11, 1957,
pp 359-361.

NIH 11-23

SEP 10 1957

Sci - Medicine *Chem*
Dec 59

102,622

Contributions to the Chemistry of Starch and the
Cycloglucane (Schardinger Dextrins) by K. Freudenberg,
7 pp.

GERMAN, per, Angew Chem, Vol LXX, No 12, 1957,
pp 419-422.

SIA 59-10141

Sci
Dec 59
Vol 2, No 5

103,599

The Cerium Oxide System, by G. Brauer, K. Gingerich,
2 pp.

GERMAN, per, Angew Chem, Vol LXIX, 1957, p 480.

AEC Tr-4368

Sci - Chem
Apr 61

149,554

Organic Derivatives of the Peroxy Carbonic Acid
and Peroxy-Sulfurous Acid, by G. Zinner, 3 pp.

GERMAN, per, Angew Chem, Vol LXXX, No 14, 1927,
pp 480.

SLA 59-15886

Sci
Dec 59
Vol 2, No 5

103,649

Sulfone Formation by the Sulfonation of
Aromatic Compounds with Chlorosulfonic Acid,
by A. Rieche and W. Fischer, 2 pp.

GERMAN, per, Angew Chem, Vol LXIX, 1957, p 482.

SLA 57-2698

Sci

Jul 58

68,473

Crystallization of β -Galactosidase From
Escherichia Coli, by K. Wallenfels, M. L.
Zarnitz, 3 pp.

GERMAN, ppv, Angewandte Chemie, Vol LXIX,
No 13/14, 1957, pp 482-.[?].

NIH 3-39-60

Sci - Med

May 60

117,322

Pechmann, E.
PROBLEMS OF PROTECTING CHEMICAL INVEN-
TIONS (Probleme des Schutzes Chemischer
Erfindungen). [1960] [20] p. 29 refs.
Order from SLA mi\$2.40, ph\$3.30 61-10562

Trans. of Angewandte Chemie (West Germany) 1957,
v. 69 [no. 15] p. 497-505.

148,548

61-10562
1. Patents--Germany
1. Pechmann, E.

Office of Technical Services

(Social Sciences, TT, v. 3, no. 7)

Organic Complexes of Molybdenum, by
G. Spengler, J. Gansheimer.
GERMAN, per, Angewandte Chemie Vol LXIX,
No 16, 1957, pp 523-529.
SLA TT 64-20242

Sci
Apr 67

323,037

Wickbold, R.

DETERMINATION OF SULFUR AND CHLORINE
TRACES IN ORGANIC SUBSTANCES. [1963] 16p 4refs
Order from SLA \$1.60

TT-64-10178

Trans. of Angew[andte] Chem[ie] (West Germany) 1957,
v. 69, no. 16, p. 530-533.

DESCRIPTORS: *Chlorine, *Sulfur, Sulfates, Chlorides,
Chemical analysis, Organic solvents, Gases, Combustion,

(Chemistry--Analytical, TT, v. 11, no. 9)

TT-64-10178

I. Wickbold, R.

Office of Technical Services

Ice Zone Refining. New Methods for Concentrating
Minute Amounts of Material From Aqueous Solution, by
H. Schildknecht, A. Mannl, 13 pp.

GERMAN, por, Angewandte Chemie, 1957, pp 634-638.
CIA 9040549

ACSIL Tr No 3065

Sci - Chemistry
Jul 59

Do not use for ...

92,061

Bayer, E., Reuther, K.-H. and Born, F.
ANALYSIS OF AMINOACID MIXTURES BY MEANS
OF GAS PARTITION CHROMATOGRAPHY (Analyse
von Aminosäure-Gemischen mittels Gas-Verteilungs-
chromatographie) tr. by Tatiana Boldyreff. 24 Feb 60,
Sp. (refs. omitted).

Order from OTS or SLA \$1.10

60-15722

Trans. of Angewandte Chemie (West Germany) 1957,
v. 69, no. 20, p. 640.

DESCRIPTORS: *Amino acids, Acids, Mixtures,
Chromatographic analysis, *Gas chromatography

(Chemistry--Analytical. TT. v. 7, no. 3)

60-15722

- I. Bayer, E.
- II. Reuther, K.-H.
- III. Born, F.
- IV. Naval Medical School,
Bethesda, Md.

12-29-61

Office of Technical Services

Ethylene Diaminetetraacetic Acid as a Masking
Agent in Analytical Chemistry, by H. Flaschka,
14 pp.

GERMAN, D.P., Angew Chem, Vol LXX, 1957, pp
787-791.

ARC/INEL-T/W-98

Sci - Chem

May 59

87,970

Stroh, K., Seydel, R., and Hahn, W.
ALKYLATION OF PHENOLS WITH OLEFINS. Pt. 10
of New Methods of Preparative Organic Chemistry II.
[1961] 23p. 49 refs.
Order from SLA \$2.60

60-16808

Trans. of Angewandte Chemie (West Germany) 1957,
v. 69, no. 22, p. 699-706.

DESCRIPTORS: *Ethylene, *Phenols, *Alkyl radicals,
Synthesis, Chemical reactions.

(Chemistry—Organic, TT, v. 6, no. 1)

60-16808

I. Stroh, K.
II. Seydel, R.
III. Hahn, W.
IV. Title: New ...

161565

Office of Technical Services

Rathje, W.
PREPARATION OF HYDROXYFLUORAPATITE
(SCHLEEDITE) tr. by Bertha P. Klanova. 10 Jan 58.
1p. 1 ref. TVA 3682.
Order from OTS or SLA \$1.10 60-19174

Trans. of Angew[andte] Chem[ie] (West Germany)
1957, v. 69, p. 717.

DESCRIPTORS: *Apatite, *Fluorides, *Hydroxides,
Synthesis.

(Chemistry--Inorganic, TT, v. 8, no. 2)

60-19174

- I. Rathje, W.
- II. TVA-3682
- III. Tennessee Valley
Authority, Wilson Dam,
Ala.

5-16-62

Office of Technical Services

Complex Formation and Reactivity in the
Chemistry of Metallo-Organic Compounds, by
G. Wittig.

GERMAN, per, Angewandte Chemie, Vol LXX,
1958, No 3, pp 65-71.

SLA TT 64-30112

May 67

327,191

Synthesis of Dicarboxylic and Tricarboxylic Acids
of Aromatic Ring Systems by Displacement of
Carboxyl Groups, by B. Ræcke, 16 pp.

GERMAN, per, Angewandte Chemie, Vol LXX, No 1,
1958, pp 1-5.

SIA 60-14261

Sci
Jan 62
Vol III, No 10

179.920

Kortuem, G.

THERMOCHROMISM, PIEZOCHROMISM, PHOTO-
CHROMISM, AND PHOTOMAGNETISM. [1961] 23p.
(14 figs. omitted) 30 refs.
Order from SLA \$2.60

62-10595

Trans. of Ange[wunde] Chem[ie] (West Germany) 1958,
v. 70 [no. 1] p. 11- [20].

DESCRIPTORS: *Anthrones, *Stereochemistry, Mole-
cules, *Molecular structure, Chemical equilibrium,
Thermodynamics, Molecular isomerism, Colors,
Magnetism.

The above 4 phenomena, some of which have been known
earlier, and some of which are of recent discovery,
may be observed and clearly interpreted on the same
molecule, such as dehydrodianthrone and its deriva-
(Chemistry--Physical, TT, v. 8, no. 6) (over)

62-10595

1. Title: Thermochromism
2. Title: Piezochromism
3. Title: Photochromism
4. Title: Photomagnetism
1. Kortuem, G.

Office of Technical Services

Complex Formation and Reactivity in Organometallic
Chemistry, by G. Wittig, 27 pp.

GERMAN, Ger, Angewandte Chemie, Vol 70, No. 3, 1958
pp 65-71

ATS-51-GJ
SLA 63-20300

Sci -
Sep 63

The Continuous Preparation of Phenyl Sodium,
by H. Ruschig, R. Fugmann, W. Meixner, 7pp
GERMAN, per, Angew Chem, Vol 70, 1958, No 3,
pp 71-72
SIA TT-64-30125

Sci - Eng
May 67

327,408

Martin, H.
FORMATION REACTIONS OF NITROXYCHLORIDE.
28 July 61, 6p. 7 refs.
Order from SLA \$1.10

63-10572

Trans. of Angewandte Chemie (West Germany) 1958,
v. 70, no. 4, p. 97-98.

DESCRIPTORS: *Chemical reactions, *Nitrogen
compounds, *Oxychlorides, Condensation reactions,
Distillation, Dynamics, Equations, *Chlorides.

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

63-10572

I. Martin, H.

Office of Technical Services

61-10446

Winkler, H.
EXTENT OF PROTECTION OF CHEMICAL PAT-
ENTS FROM THE VIEWPOINT OF THE INFRINGE-
MENT JUDGE. [1958] 34p. 45 refs.
Order from SLA ml\$3.00, ph\$6.30 61-10446

Trans. of Angewandte Chemie (West Germany) 1958,
v. 70, no. 5, p. 117-123.

In Germany, patent protection extends beyond that
which is directly stated in the patent claims. This
broadened protection of the inventor, however, leads
to a certain ambiguity regarding rights. The concepts,
"subject matter of the invention", "state of the art",
"poorer performance", and the "general idea of the
invention" are therefore defined more accurately here,
in juxtaposition to each other. By means of examples
it is shown how the interests of the inventor and the
patent plaintiff are to be bounded and, according to what
principles the extent of patent protection is set up by
the courts in the infringement action. (Author) (Pre-
(Social Sciences, TT v. 5, no. 7) (over)

1. Patents--Germany
1. Winkler, H.

148,511

Office of Technical Services

Dersin, H.
INTERPRETATION OF THE EXTENT OF PROTECTION OF CHEMICAL PATENTS AND DETERMINATION IN ADVANCE OF THE EXTENT OF PROTECTION WITHIN THE COMPASS OF THE GRANTING PROCEDURE. [1958] 26p. 21 refs.
Order form: G.A. nu52.70. ph\$4.80

61-10447

61-10447

1. Patents--Germany
1. Dersin, H.

148,512

Trans. of Angewandte Chemie (West Germany) 1958, v. 70, no. 8, p. 123-128.

An interpretation is given of the extent to which the patent office examination procedure would be able to contribute to better safeguarding of rights in the chemical field, especially in the chemical field. An ideal arrangement suggested would be, among other things, the creation of a patent court of justice. However, even today, by cooperation between the courts and the patent office, and by due consideration of the practice of interpretation of the courts, improvements could be attained by the patent office.
(Social Sciences, TT, v. 5, no. 7) (over)

Office of Technical Services

Rheinfelder, L.
THE EXTENT OF PROTECTION OF CHEMICAL
PATENTS FROM THE VIEWPOINT OF THE IN-
VENTOR. [1958] 26p. 25 refs.
Order from SLA ml\$2.70, plus \$4.80

61-10445

Trans. of Angewandte Chemie (West Germany) 1958,
v. 70, no. 5, p. 128-133.

A discussion is given on the extent of protection a
patent must have to be in the interest of the inventor
or how far it may be in the interest of the public. The
principles according to which the German infringement
courts today determine the extent of protection
of a patent correspond to the interests of chemical
industry. The extent of protection should first be
determined in the infringement process. The exami-
nation of a general inventive idea, made valid in an
infringement process, relative to patentability, should
be left to the patent office. (Author) (An address given
October 9, 1957 at the Berlin General Meeting of the
(Social Sciences, TT, v. 5, no. 7) (over)

61-10445

1. Patents--Germany
1. Rheinfelder, L.

148,510

Office of Technical Services

✓
Catalytic Conversion of Olefines With the Aid of
Platinum-Metal Compounds, (The Conseretium Process
for the Preparation of Acetaldehyde), by Dr J.
Schmidt, 23 pp.

GERMAN, per; Angewandte Chemie, 3A received on
14 Jul 1958.

CIA/FDD XX-643

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chemistry

Sep 59

USIB INTERNAL USE ONLY"

95, 742

Kinetic Isotope Effects and Their Application in
the Investigation of ~~ARX~~ AZO-Couplings, by H.
Zollinger, 35 pp.

CHESAN, Angew Chem, Vol LXX, 1958, pp 204-210.

ANC-tr-3736

Sci - Chem
Aug 59

94,727

Heterocyclic Azo Dyes Produced by Oxidative
Coupling, by S. Hunig, et al.
GERMAN, per, Angewandte Chemie, Vol LXX,
pp 215-222.
Patent Office

Sci - Phys
Apr 63

278,273

The Peroxides of Ether, the Carbonyl Compounds and
the Ozonides, by A. Rieche, *48 pp*

GERMAN, per, Angewandte Chemie, Vol LXX, No 9,
1952, pp 251-266.

90766-4

NRCC TD-832

Sci - Chemistry
Jan 61

136,432

Quantitative Determination of Organic Peroxy
Compounds in Mixtures, by L. Harnier, E. Jurgens,
7 pp.

GERMAN, per, Angewandte Chemie, Vol LXX,
No 9, 1958, pp 266-268.

Sci
Mar 62
Vol VII, No 3

MS-971530
SLA 61-20648
188, 105

Gerischer, H.
PASSIVITY OF METALS. [1962] 28p.
Order from ATS \$29.95

ATS-77P60G

Trans. of Angew[andte] Chem[ie] (West Germany) 1958,
v. 70, no. 10, p. 285-298.

DESCRIPTORS: *Metals, *Passivity.

(Chemistry--Physical, TT, v. 8, no. 4)

62-17687

- I. Gerischer, H.
- II. ATS-77P60G
- III. Associated Technical
Services, Inc.,
East Orange, N. J.

ATS/77P60G

Office of Technical Services

63-18866

Hayek, E. M., Hohenlohe-Profanter, B. Marcic,
and Beetz, E.
GENERAL METHOD OF PREPARING CRYSTALLINE
METAL SALTS. [1963] 8p. 2refs
Order from SLA \$1.10

63-18866

Trans. of Angewandte Chemie (West Germany) 1958,
v. 70, p. 307-309.

DESCRIPTORS: *Salts, *Metals, Complex compounds,
Acids, Chemical precipitation, Chemical reactions,
pH, Crystallization.

Microscopically crystalline homogeneous heavy metal
salts are precipitated in a homogeneous system from
an alkaline complex salt solution by lowering the
pH-value. The method is used primarily for the
preparation of neutral and basic difficultly soluble salts,
which are otherwise obtained microscopically
amorphous and inhomogeneous. (Author)
(Chemistry--Physical, TT, v.10, no. 11)

I. Hayek, E. M.
II. Hohenlohe-Profanter, B. M.
III. Beetz, E.

Office of Technical Services

Mass Spectrometric Investigation of the Reactions
and Properties of Free Radicals and Atoms, by H. D.
Beckey, 33 pp.

GERMAN, par, Angew Chem, Vol LXX, 1958, pp 327-339.

SLA 59-10235

Sci - Nuc Phys
Sep 59
Vol 2, No 1

97,773

Newer Methods of Preparative Organic
Chemistry, II. 11. Reactions of Sulfur
with Aromatic as Well as Aliphatic
Compounds, by R. Wegler, E. Rohle,
Werner Schafer, 50p.
GERMAN, per, Angewandte Chemie,
Vol 70, No 12, 1958, pp 351-367.
TC-415

336, 1979

Sci
Aug 67

On Ferrromagnetic Iron Oxide by R.

Robl.

GERMAN, per, Angewandte Chemie, Vol 70,

1958, pp 367-71.

SIA TT-66-10910

331, 645

Sci

Jul 67

60-17572

Korte, F. and Weiskamp, H.
MEASUREMENT OF ABSORPTION AND FLUORESCENCE SPECTRA ON PAPER CHROMATOGRAMS [AND SUPPLEMENT]. (Messung von Absorptions- und Fluoreszenzspektren an Papierchromatogrammen) tr. by K. Hochschwender. 10 May 60, 9p. (5 figs. omitted) 3 refs. No. 34 140.
Order from OTS or SLA \$1.10

60-17572

Partial trans. (p. 435-437) of Angewandte Chemie (West Germany) 1958, v. 70, no. 13, p. 434-437.

DESCRIPTORS: Absorption, Measurement, *Fluorescence, *Chromatographic analysis, *Paper chromatography.

(Chemistry: Analytical, TT, v. 6, no. 12)

- I. Korte, F.
- II. Weiskamp, H.
- III. NILES, J. C.
- IV. National Institutes of Health, Bethesda, Md.

000101

9-11-61*

Office of Technical Services

The Carcinostatic Effect of Tetraethyleneiminoben-
zoquinone, by H. Holzer, H. Kroger, P. Scriba, et al,
2 pp.

GERMAN. per, Angewandte Chemie, Vol LXX, 1958, pp 439.

NIH 2-41

Sci - Med

Mar 59

The Course of the Low Pressure Polymerization of
 α -Olefins. Part 1. Complex Polymerization, by
F. Patat, H. J. Sinn, 11 pp.

GERMAN, per, Angew Chem, Vol LXX, No 16, 1958,
pp 496-500.

ATS 149-GJ
SLA 59-15914

Sci
Nov 59

100,410

Ottel, H.
CANCEROGENIC SUBSTANCES, OCCUPATIONAL
CANCER, AND CANCER MORTALITY. [1962] 30p
93 refs

Order from SLA \$2.60

TT-64-14550

Trans. of Angew[andte] Chem[ie] (West Germany) 1958,
v. 70, no. 17/18, p. 532-539.

Other translations are available from SLA at \$2.70,
pb \$4.80 as TT-59-10720 [1958] 24p and \$1.60 as
TT-61-20649 [1961] 17p and from K-H \$37.50 as K-H-
9298-6 [1962] 30p.

(Biological Sciences--Pathology, TT, v. 11, no. 11)

TT-64-14550

I. Ottel, H.

Office of Technical Services

ROLES of Hydrogen in the Living Organization, by
T. Bucher, H. Klingenberg, 52 pp.

GERMAN, per, Angew Chem, Vol LXI, 1958, pp 552-
570.

HTH 5-2

Sci - Med

Jun 59

88,239

Sundermeyer, W. and Glemser, O.
NEW METHOD FOR THE PREPARATION OF SILICON
AND BORON HYDRIDES. [1963] 11p
Order from K-H \$11.00

K-H 8529 a

Trans. of Angewandte Chemie (West Germany) 1958
[v. 70] 21 Oct, p. 625-627.

DESCRIPTORS: *Silicon compounds, *Hydrides,
*Borohydrides, Preparation, Synthesis (Chemistry).

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

63-22498

- I. Sundermeyer, W.
- II. Glemser, O.
- III. K-H-8529-a
- IV. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Thermal Decomposition of Phosphorus
Nitrilochloride Polymers, by F. Patat, P. Derst,

ANGW, per, Angewandte Chemie, Vol LXXI, No 3,
pp 105-110. 1959

C.S.I.R.O.

Sci

May 60

116,100

Progress in the Field of High Polymers in the USA, by
S. M. Atlas, H. Mark, 20 pp.

GERMAN, per, Angew Chem, Vol LXXI, No 3, 1959,
pp 110-119

SLA 59-15873

Sci
Dec 59
Vol 2, No 5

104,252

Intercalation Compounds of Alkali and Alkaline
Earth Metals in Molybdenum Disulfide and Tungsten
Disulfide, by W. Rudorff, H. H. Sick, 2 p.

GERMAN, per, Angew Chem, 1959, Vol. LXXI, No 3,
p 127,

SLA 59-17936

109,559

Sci
Mar 60
Vol 2, No 11

Schäffer, 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. Schäffer, II.

Office of Technical Services

Catalytic Reactions of Olefins With Platinum-Metal Compounds. The Consortium Process For the Preparation of Acetaldehyde, by J. Smidt, W. Hafner and others, 18 pp.

GERMAN, Per, Angew Chem, 1959, Vol LXXI, pp 176-182.

45-746-GJ
BLA 59-15333

Sci
Nov 59
Vol 2, No 3

100,954

The Stereospecific Polymerization of Vinyl Ethers,
by G. Natta, G. dall'Asta, et al, 14 pp.

GERMAN, per, Angewandte Chemie, Vol LXXI, No 6,
1959, pp 205-210.

SLA 59-15761

OTS 63-14208

Sci

Dec 59

Vol 2, No 4

102, 714

Kölbl, H. and Kühn, P.
STRUCTURE AND PROPERTIES OF SURFACE-
ACTIVE AGENTS. I. MEASUREMENTS ON p-n-
ALKYLBENZENE SULFONATES. [1961] 19p. 41 refs.
Order from SLA \$1.00 61-16186

Trans. of Angewandte Chem[ie] (West Germany) 1959,
v. 71, no. 6, p. 211-215.

DESCRIPTORS: *Sulfonates, *Detergents, *Wetting
agents, *Phenyl radicals, Alkyl radicals, Textiles,
Processing,

The textile-chemical properties (surface tension, in-
terfacial tension, wetting capacity, emulsifying power,
foaming capacity, foam stability, soil suspending power,
cleaning power) of p-n-alkylbenzene sulfonates were in-
vestigated as a function of their alkyl chain lengths.
Surface activity in the textile chemical sense begins at
an alkyl chain length of 7-8 C-atoms. The lowering of
the surface and interfacial tensions, as well as the
(Chemistry--Organic, TT. v. 6, no. 3) (over)

61-16186

I. Kölbl, H.
II. Kühn, P.
III. Title: Measurements...

175255

Office of Technical Services

Flame Photometry. I, by G. Metzka, H. Chun,
18 pp.

GERMAN, per, Angewandte Chemie, Vol LXXI, No 8,
1959, pp 276-283. 9088297

A.C.S.I.L. No 1333

Sci - Phys

Jul 62

203, 138

A Reaction of Palladium Chloride With Allyl Alcohol,
by Dr. J. Smidt, Dr. W. Hafner, 2 pp.

GERMAN, per, Angew Chem, Vol LXXI, 1959, pp 284, 285.

CIA/FDD XX-741

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chem
Jan 60

USIS INTERNAL USE ONLY

New Methods of Preparative Organic Chemistry II,
by L. Horner, E. Winkelmann.

GERMAN, per, Angewandte Chemie, Vol LXXI, No 11,
7 Jun 1959, pp 349-365.

NCB A.1859
R.1858

Sci

Aug 61

List No 41

163,540

The Chemistry of the Di-Alpha-Halogen Ethers, by
H. Bagdas, 19 pp. NOFORN

GERMAN, per, Angew Chem, Vol LXXI, No 11, 1959,
pp 366-371.

CIA/PDD-KX-700
NOFORN

Sci

Nov 59

2/SIB Internal Use Only

10/097

Quantitative Evaluation of Paper Chromatograms
by Means of Reflection Measurements, by G. Kortum,
J. Vogel, 18 pp.

GERMAN, per, Angew Chem, Vol LXXI, 1959, pp 451-
455.

CIA/FDD XX-742

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chemistry
Jan 60

USIB INTERNAL USE ONLY

105,844

Obtaining Absorption Spectra in Reflection of
Substances Isolated by Paper Chromatography, by
F. Korte, H. Weitkamp, 4 pp.

GERMAN, per, Angew Chem, Vol LXXII, 1959, pp 455,
456.

CIA/FDD XX-743

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chemistry
Jan 60

USIB INTERNAL USE ONLY

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The Biochemical Function of Biotin, by F. Lynen,
J. Knappe, E. Lorch, G. Jutting, E. Ringelmann, 27 pp.

GERMAN, per, Angewandte Chemie, Vol LXXI,
No 15/16, 21 Aug 1979, pp 481-486.

NIH 1-1-60

Sci - *Q*
Jan 60

107,521

New Directions in Polarography, by
M. Von Stackelberg, H. Schmidt, 4 pp.

GERMAN, per, Angewandte Chemie, Vol LXXXI,
No 15/16, 1959, pp 50-512.

CSTRC

Sci - Chem
Nov 61

174,390

Interclation Compounds with Alkali and
Earth Alkali Metals, by W. Rudorff.

GERMAN, per, Angewandte Chemie,
Vol LXVI, No 15/16, 1959, pp 487-491.

CSIRC 4770

Bel - Hn/Met
Jul 62

204,872

61-10855

I. Cremer, E.

Cremer, Erika.
THE TESTING OF ADSORBENTS AND CATALYSTS
WITH THE AID OF GAS CHROMATOGRAPHY.
(Prüfung von Adsorbentien und Katalysatoren mit Hilfe
der Gas-Chromatographie). [1961] 9p. 17 refs.
Order from SLA \$1.10 61-10855

Trans. of Angewandte Chemie (West Germany) 1959,
v. 71 [no. 15/16] p. 512-514.

DESCRIPTORS: *Adsorbents, *Catalysts, *Gas
chromatography, Surface properties, *Adsorption,
Magnesium compounds, Oxides, Carbon.

10855

Office of Technical Services

(Chemistry-Physical, TT, v. 6, no. 2)

Reactions With Carbenes and Imines as Intermediates.
Photochemical and Thermal Conversion of Organic
Nitrogen Compounds, by W. Kirmse, 17 pp.

74-12
GERMAN, per, Angew Chem, Vol LXXI, 1959, pp 137-
941.

CIA/PDD XX-754

CL/A 60-14011

Sci - Chem
Feb 60

108, 324

USIA INTERNAL USE ONLY

The Mechanism of Autoxydation of Organometallic
Compounds, by H. Host, H. Kropf, F. Ernst, 13 pp.

GERMAN, per, Angew Chem, Vol LXII, 1959, pp 541-
545.

CIA/FDD IX-801

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chem

Apr 60

USIS INTERNAL USE ONLY

K-H 135852

110,923

Chemical Supervision of the Dissemination of
Radioactive Substances, by G. Eerrmann, 49 pp.

GERMAN, per, Angew Chem, Vol LXXI, 1959,
pp 561-571.

AEC NP Tr-430

Sci - Chem
Aug 60

124,006

Use of Saponifiable Emulsifiers in the Plastics
Field, by G. Messwarb, E. Paschke, et al.

GERMAN, per, Angewandte Chemie, Vol LXXI, No 19,
1959, pp 604-608.

CSIRO

Sci - Chem

Jun 61

156,935

Determination of the Average Radical Concentration
Per Latex Particle in Emulsion Polymerization, by
H. Gerrens,

GERMAN, port., Angew Chem, Vol LXXI, No 19, 1959,
pp 608-612.

ATS 339-GJ

Sci - Chem

Aug 60

123,325

Cross-Linking of Polyethylene With Ultraviolet
Light, by H. Wilski,

GERMAN

~~DATE~~

~~WILSKI~~, Angew Chem, Vol LXXI, No 19, 1959,
pp 612-619.

ATS 336-GJ

Sci - Chem

123,322

Aug 60

Beermann, C. and Bestian, H.
METAL-ORGANIC TITANIUM COMPOUNDS AS
POLYMERIZATION CATALYSTS. Rept. from the Ex-
panded Macromolecular Colloquium, Freiburg U.,
6 Mar 59. 14 Apr 60 [19]p. 18 refs.
Order from SLA \$1.60

61-16711

Trans. of Angewandte Chemie (West Germany) 1959,
v. 71 [no. 19] p. 618-623.
Another translation is available from ATS \$14.80 as
ATS-96M45G [1960] 12p.

DESCRIPTORS: *Titanium compounds, *Polymerization
*Catalysts, *Metalorganic compounds, Chlorides,
Alkyl radicals, Aluminum compounds, Ethylenes,
Halides.

From mixtures of titanium tetrachloride and alkyl
aluminum compounds, organo-titanium halides $RTiCl_3$
and R_2TiCl_2 can be isolated. The pure, aluminum-free
compounds in presence of their decomposition products
(Chemistry: Organic, TT, v. 6, no. 5) (over)

61-16711

I. Beermann, C.
II. Bestian, H.
III. Title: Expanded...

180488

ATC-702-GJ

Office of Technical Services

γ,γ -Dimethyl-Allyl-Pyrophosphate and
Geranyl Pyrophosphate, Biological Precursors
of Squalene, by P. Lynen, B. W. Agranoff, E.
Eggerer, U. Henning, E. M. Moslein, 29 pp.

GERMAN, per, Angewandte Chemie, Vol LXXI, No 21,
7 Nov 1959, pp 657-662.

WH 3-5-60

Sci - Chem

May 60

117,300

TT-65-12143

Field 11F

Kirschfeld, L.
THE COMBUSTIBILITY OF METALS IN OXYGEN. I. THE
SPEED OF COMBUSTION OF IRON WIRES IN OXYGEN
AT REST. 13p. (figs omitted) 8refs.
Order from SLA: \$1.60 as TT-65-12143

Trans. of Angewandte Chemie (West Germany) v71 n21
p663-7 1958.

I. Kirschfeld, L.
II. Title: Speed ...

MR 626

Biosynthesis of an Enzyme Information,
Induction, Repression, by Jacques Monod, 14 pp.

GERMAN, per, Angewandte Chemie, Vol LXXI,
No 22, 1959, pp 685-691.

NIH 3-54-62

199,708

Sci - Med

Jun 62

Kölbel, H. and Horig, K.
CONSTITUTION AND PROPERTIES OF SURFACTANTS
II. SORPTION OF ANIONIC SURFACTANTS ON
TEXTILE FIBERS. [27 Jun 63] [19p] 15refs
Order from SLA \$1.60

TT-64-10933

Trans. of Angewandte Chemie (West Germany) 1959,
v. 71, p. 691-697.

(See also TT-62-20452)

(Materials--Textiles, TT, v. 11, no. 12)

TT-64-10933

I. Kölbel, H.
II. Horig, K.
III. Title: Sorption...

Office of Technical Services

Mechanism of the Clemmensen Reduction, by
D. Staschewski,
GERMAN, per, Angewandte Chemie, Vol 71, 1959, pp 726-
736.
HTC-71-11308-07C

Nov 71

TT-65-12260

Field 7C

Theilacker, W.; Wegner, E.
NEW METHODS OF PREPARATIVE ORGANIC CHEMISTRY
III. 1. SYNTHESSES WITH CHLORAMINE IN ORGANIC
CHEMISTRY. 15p, 5 refs.
Order from SLA: \$1.60 as TT-65-12260

Trans. of Angewandte Chemie (West Germany)
v72 n4 p127-31 1960.

I. Theilacker, W.
II. Wegner, E.
III. Title: Syntheses ...

MR 628

Oxygen-Free Gases, by J. Sargachan.

OSMAN, par, Angewandte Chemie,
Vol. LXXII, 1960, pp 132-135.

OSMAN

Sci - Chem
Oct 61

171,302

TT-65-12259

Field 7C

Kahr, K.
CYCLOHEXAMONE OXIME BY CATALYTIC HYDROGEN
PEROXIDE OXIDATION OF CYCLOHEXYLAMINE. 7p.
Brefs.
Order from SLA: \$1.10 as TT-65-12259

I. Kahr, K.

Trans. of Angewandte Chemie (West Germany)
v72 n4 p135-7 1960.

CIA/FDD XX-896
Not Reliable, L Foreign
National

MR 628

Synthesis of Alkanediols From Monoolefines
Through Boron Heterocycles, by R. Koster,
G. Kotschmann, 3 pp.

GERMAN, per, Angewandte Chemie, Vol LXXII,
No 4, 1960, pp 138-139.

SIA 60-15904

Sci
26 May 62
Vol IV, No 8

198, 241

63-18274

Wacker, A. and Träger, L.
SIMPLE TITRATION OF ORGANIC COMPOUNDS
(Einfache Titrierung Organischer Verbindungen).
[23 May 63] [5]p. 6 refs.
Order from SLA \$1.10

63-18274

I. Wacker, A.
II. Träger, L.

Trans. of Angewandte Chemie (West Germany) 1960,
v. 72, no. 5, p. 168-169.

DESCRIPTORS: *Radiation chemistry, *Labeled sub-
stances, Organic compounds, *Tritium, *Uranium,
Absorption, Glass, *Laboratory equipment, Design,
*Volumetric analysis.

Tritium as well as uranium is absorbed and, if
necessary, also desorbed safely in a glass apparatus
and used according to Wilzbach for tritium labeling.
(Author)

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

Office of Technical Services

Properties and Bonding of Boron Hydride
Derivatives, by A. B. Burg, 23 pp.

GERMAN, par, Angew Chem, Vol LXXII, No 6, 1960,
pp 183-193.

ATS-H59M43G

ATC/241067

195, 979

Sci

Vol 4, No 10
May 62

62-16801

Ochou, Severo.
THE ENZYMATIC SYNTHESIS OF RIBONUCLEIC
ACID (RNA). [1962] [16]p. 38 refs.
Order from SLA 51160 62-16801

Trans. of Angewandte Chemie (West Germany) 1960,
v. 72, p. 225-231.

DESCRIPTORS: *Enzymes, *Synthesis, *Nucleic
acids, Genetics, Viruses, Nucleoxides,
Nucleoproteins.

(Biological Sciences--Biochemistry, TT, v. 8, no. 9)

62-16801-1

newer Methods of Preparative Organic Chemistry/
III. 2. Preparation of Esters, Amines and
Anhydrides of Phosphoric Acid, by F. Cramer, 75 pp

GERMAN, per, Angew Chemie, Vol LXXII, 1960,
pp 236-249. -9077352

AEC Tr-4565

Sci - Chem
Jun 61

157,734

Atlas, S. M. and Mark, H. P.
HIGH TEMPERATURE POLYMERS. [1961] [26]p.
29 refs.

Order from SLA \$2.60

62-10111

Trans. of Angewandte Chemie (West Germany) 1960,
v. 72, no. 7/8, p. 249-258.

DESCRIPTORS: *Polymers, *Heat resistant polymers,
*High temperature research, Chemical reactions,
Resins, Distilling plants, Decomposition, Stability,
Organic materials, Production.

(Chemistry--Organic, TT, v. 7, no. 8)

62-10111

I. Atlas, S. M.
II. Mark, H. P.

201310

Office of Technical Services

Ring Closure of 2,2'-Dilithiobiphenyl by
Triaryltin and Lead Halides,
GERMAN, per, Angewandte Chemie, Vol LXXII,
1960, p 322.
*AEC

Jan 66
Sci-

Hydrogen Fluoride Glass, by J. Schroeder
GERMAN, per, Angewandte Chemie, Vol 72, 1964,
pp 344-345
NTC 71-15252-073

mar 72

Radiochemical Investigations of the Preparation
of Pure Antimony Metal, by W. Bebauhr, A. Spang.
CIA INTERNAL USE ONLY 15 PP.

GERMAN, per, Angew Chem, Vol LXXII, 1960, pp 345-
348.

CIA/WDD XI-937

Sci. - Min/Met.
Feb 61

139,470

Electron Transfer by Light Absorption and Emission
in Electron Donor-Acceptor Complexes, by G. Briegl
J. Czekałya, 53 pp.

GERMAN, per, Angew Chem, Vol LXXII, No 12, 1960,
pp 401-413. 9077350

ABC UCRL-Trans 654

Sci - Chem
Jun 61

AT-1941-147
157,730