

Physical-Chemical Properties of Fluorine, by E.
Wicke, E. U. Franck, 38 pp.

GERMAN, per, Angew Chem, Vol LXVI, No 22, 1954,
pp 701-710. ~~9080657~~

AEC Tr-4756

Sci
Sep 61

167,844

Paperchromatographic Determination of Aldosterone,
by H. Schmidt, J. Staudinger, 4 pp.

GERMAN, per, Angew Chem, 68 Vol LXVI, 21 Nov 1954,
pp 711-712.

34,342 S.L.A. No 273/1956

Scientific - Chemistry

150 Years of Morphine and 15 Years of
Synthetic Analgesics With Action Similar
to Morphine, by O. Schaumann, 16 pp.

GERMAN, per, Angew Chem, Vol LXVI,
1954, pp 765-768.

NIII

Scientific - Medicine
CTS 70/Jul 55

25,587

On Vitamins of the B¹² Group, by K. Bernhauer,
W. Friedrich, 17 pp.

GERMAN, no per, Ange Chem, Vol LXVI, No 24, 21 Dec
1954, pp 776-780.

Dept of Commerce
Patent Office
Sci Lib (gift)

Sci - Med

May 57

37,5⁴ 87,600

60-23430

Bonhoeffer, K. F.
RECENT FINDINGS IN THE FIELD OF ELEC-
TROCHEMISTRY, tr. by Bertha P. Klenova.
22 Apr 55, 18p. 29 refs. [No. 3430].
Order from OTS or SLA ml \$1.60 60-23430

Trans. of Angew[andte] Chem[ie] (West Germany)
1955, v. 67, p. 1-8.

DESCRIPTORS: *Electrochemistry, Electroosmosis,
Membranes, Ion exchange, Electrolytes, Electrodes,
Electrolysis.

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

- I. Bonhoeffer, K. F.
- II. TVA-3430
- III. Tennessee Valley Authority,
Wilson Dam, ALA.

5-16-62

Office of Technical Services

Present Day Problems of Ion Exchange, by
F. Helfferich, 7 pp.

GERMAN, per, Angewandte Chemie, Vol LXVII,
No 1, 1955, pp 13-16.

A.E.R.E. Harwell
Tr 530

Sci - Chemistry, electrochemistry

Apr 56 32,932

Aims and Limitations of Chemical Food Preservations,
by S. ~~Scuci~~ Scuci, 37 pp.

GERMAN, Per, Angew Chem, Vol LXVII, No 1, Jan 1955,
pp 16-25.

SLA 58-385

Sci

Aug 59

94,163

A Few Problems of Polymerization Kinetics.

by Paul D. Bartlett.

GERMAN, per, Angewandte Chemie, Vol LXVII,
No 2, 1955, pp 45-52.

SLA TT 64-20864

May 67 325,046

Preparation and Properties of Block and Graft Copolymers,
H. Mark, 15 pp.

GERMAN, per, Angew Chem, Vol LXVII, pp 53-56, 1955.

SIA 3307

Sci - Chem
Aug 58

70,611

60-23434

Wolff, Robert.

THE PHYSICAL CHEMISTRY OF ASSOCIATION AND
AGGREGATION PHENOMENA, tr. by Bertha P.
Klenova. 11 May 55 [47]p. 102 refs. [No.] 3436.
Order from OTS or SLA \$4.60 60-23434

Trans. of Angew[andte] Chem[ie] (West Germany) 1955,
v. 67, p. 89-107.

DESCRIPTORS: *Physical chemistry, *Molecular
association, Molecular weight, Chemical bonds, Heat
of formation, Thermodynamics, *Stereochemistry.

The stoichiometric combination of similar and dis-
similar molecules to form associates or aggregates had
been reported earlier with the aid of the law of mass
action. The required equations have been generalized
in this study and extended to include gaseous associate-
builders and made applicable, for the purpose of com-
parison, to reversible primary-valence reactions.
(Chemistry--Physical, TT, v. 8, no. 1) (over)

I. Wolff, R.
II. TVA-3436
III. Tennessee Valley
Authority, Wilson Dam,
Ala.

5-16-62

Office of Technical Services

(60-23428)

Thilo, Erich.
CONDENSED PHOSPHATES, tr. by Bertha P.
Geneva. 20 Apr 55 [12]p. 29 refs. [No.] 3428.
Order from OTS or SLA \$1.60 60-23428

Trans. of Angew[andte] Chem[ie] (West Germany)
1955, v. 67, p. 141-145.

DESCRIPTORS: *Phosphates, Condensation,
Molecular weight, Ion exchange, Enzymes.

The name "condensed phosphate" has been given to
the metaphosphates, $Me_n^I [P_nO_{3n}]$, polyphos-
phates, $Me_n^I + 2 [P_nO_{3n+1}]$ or $Me_n^I [H_2P_nO_{3n+1}]$,
isometaphosphates, and cross-linked polyphosphates.
Nomenclature, preparation, and properties are dis-
cussed. In particular, it is shown that the salts of
polyphosphates of high molecular weight should be
(Chemistry--Inorganic, TT, v. 8, no. 3) (over)

- I. Thilo, E.
- II. TVA-3428
- III. Tennessee Valley Authority,
Wilson Dam, Ala.

5-16-62

Office of Technical Services

Application of the Semiconductor Theory to the
Problem of Heterogeneous Catalysis, by K. Hauffe,

GERMAN, per, Angew. Chem., Vol LXVII, 1955, No 7,
1955, pp 189-207.

Assoc Tech Sv.

49060

57-2819
SLA-33,042

Sci - Physics, Chemistry

(331.20)

Complex Organic Compounds of Aluminum, by
K. Ziegler, E. Holzamp, 2 p.

GERMAN, per, Angew Chem, 1955, Vol LXVII, No 7,
pp 213-214.

ATS-24L34G

Sci
Mar 60
Vol 2, No 11

ATS-7036J

109,537

Synthesis of Simple Quinone Derivatives With
Fungicidal, Bacteriostatic and Cytostatic Properties.
C. Quinones With Cytostatic Properties, by Walter
Gauss, Siegfried Petersen, Ewald Urbschacht, 15 pp.

GERMAN, per, Angewandte Chemie, Vol LXVII, No 8,
1955, pp 217-231.

SLA 60-10537

Sci
Jun 60
Vol III, No 5

119,093

The Thermal Stability of Chloroethyl Fluoride (CEFC)
by H. J. Schumacher, W. H. Basusido, 2 pp.
(AF 713207)

GERMAN, per, Angewandte Chemie, Vol LXVII, No 8,
Mar 1955, p 231.

ATIC F-TS-8885/III

Sci - Chemistry
Oct 1956

40,002

Electrophoresis and Chromatography of Proteins
and Polypeptides, by A. Tiselius, 11 pp.

GERMAN, per, Angew Chem, Vol LXVII, No 9/10,
1955, pp 245-251.

SLA Tr 57-1168

Sci - Chemistry
Oct 57

54,121

Application of the Electrochemical Determination of
Oxygen, by F. Todt, 12 pp.

GERMAN, per, Angewandte Chem, Vol LXVII, No 9/10,
May 1955, pp 266-270.

A.E.R.E. Lib Tr 633

Sci - Chemistry, Electricity

39,367

62-20060

Kunowski, H. and Hofmann, U.
COMPARATIVE INVESTIGATION OF FILLERS FOR
RUBBER COMPOSITIONS. [1962] [43]p. 49 refs.
Order from SLA \$4.60 62-20060

Trans. of Angew[andte] Chem[ie] (West Germany)
1955, v. 67, p. 289-300.

DESCRIPTORS: *Rubber, Vulcanizates, *Additives,
Adsorption, Phenols, Carbon black, Tests.

A total of 60 different filler materials was investigated
for the purpose of determining relationships between
the physical and chemical properties and the technologi-
cal behavior of the corresponding filled vulcanizates of
Buna-S and natural rubber. It was found that with
heavily loaded vulcanizates the values for softness,
Shore-hardness, and for the most part, impact
elasticity were primarily dependent upon the magnitude
(Materials--Rubber, TT, v. 9, no. 10) (over)

I. Kunowski, H.
II. Hofmann, U.

Office of Technical Services

Sulfur and its compounds, by R. F. Fieser,

GERMAN, per, Angew Chem, Vol LXVII, No 13,
1955, pp 337-344.

ATS 567-GJ

Sci - Chem

Aug 60

123,925

V Meeting of "Chemische Gesellschaft" at DDR,
April 26-28, 1955 in Berlin, Condensed Phosphates,
7 pp.

GERMAN, per, Angew Chem, Vol IXVII, 1955,
pp 408-410.

CIA/FDD XX-163

NOT RELEASABLE TO FOREIGN NATIONALS

Scientific - Chemistry
Jul 56 CTS/dex

36,650

IAC INTERNAL USE ONLY

Polymerization of Ethylene and Other Olefins,
by Karl Zeigler, et al, 3 pp.

GERMAN, per, Angewandte Chemie, Vol LXVII, 1955,
p 426.

S.L.A. Tr 819/1956

Sci - Chemistry

Oct 56 CTS

37,396

THE CHEMISTRY OF DIOXIDES

E. Wiberg, W. Sturm,

GERMAN, per, Angew Chem, Vol LXVII, 1955, pp 483-493.

ATS 541-GJ

Sci - Chem

SLA 62-14761

Aug 60

SLA 63-14201

123,911

The Mulheimer Normal Pressure Polyethylene Process,
by K. Ziegler, E. Holzkamp, H. Breil, H. Martin.

GERMAN, par, Angew Chem. Vol LXVII, 1955,
pp 541-547.

36,071 TT-64-20865
CIA/PID XI 152

Scientific - Chemistry

Jun 56 CTS/dex

IAC INTERNAL USE ONLY

SLA-57-2805

62-10013

Grams, E. and Gaube, E.
THE NEW LOW PRESSURE POLYETHYLENES,
THEIR PROPERTIES AND POSSIBILITIES OF APPLI-
CATION. [1961] 18p. 12 refs.
Order from SLA \$1.60

62-10013

Trans. of Angewandte Chemie (West Germany) 1955,
v. 67 [no. 19720] p. 548-556.
Another trans. is available from ES \$8.00 [1961] 21p.

DESCRIPTORS: *Polymers, *Ethylenes, Properties

I. Grams, E.
II. Gaube, E.

SLA 62-20004

K-A 3805

(Chemistry--Organic, TT, v. 7, no. 5)

Office of Technical Services

Cross-Linking Reactions in Amino Acids and
Fiber Proteins, by E. H. Zahn, 37 pp.

GERMAN, per, Angew Chem, Vol LXVII, 1955,
pp 561-572.

NIH Tr No 5-4

37,325

Scientific - Chemistry
Aug 1956 CTS/dex

TC-189

X-Ray Measurements of Small Angles in Cellulose,
by O. Kratky, Sombach, 9 pp.

GERMAN, per, Angew Chem, Vol IXVII, 1955, pp 603-
606.

SLA Tr 57-810

Sci - Chemistry

53,297

Sep 57

MANECKE, G.

57-2911. Removal of oxygen from solutions with
oxidation-reduction resins (Electron exchanges).
Angew. Chem. 67, p.613-615, 1955. (7p.)

The Thermal Reaction of Fluorine and Chlorine
Dioxide (Cl_2O_2), by A. J. Arvia, W. H.
Sagualdo, H. J. Schumacher, 3 pp. (AF 713207)

BERMAN, P. R., Angewandte Chemie, Vol LXVII, No 19/20,
Jul 1955, p 616.

ATIC F-TS-8684/III

Sci - Chemistry
Oct 1956

39,496

Quantitative Analysis of Thiourea Containing
S35. An Example of the Radiometric Determination
of Compounds Containing Radioactive Sulphur,
by H. Gotte, G. Theis.

GERMAN, per, Angew Chem, Vol LXXVII, No 21, 1955,
pp 637-642.

CSIRO Ref No 3063

Jul 58

69,912

An Acid Potassium Phosphate, by W. Dewald, 1 p.

GERMAN, par, Angew Chem, Vol LXVII, 1955,
pp 654-655.

NOT RELEASABLE TO FOREIGN NATIONALS
CIA/FID XX-19*

Sci - Chemistry
Sep 56 CTS/asm

38,548

FOR INTERNAL USE ONLY

Card Index for Documentation in Molecular
Spectroscopy, by G. Bergmann, G. Kresne, 30 pp.

GERMAN, per, Angewandte Chemie, Vol LXVII, No 22,
1955, pp 685-694.

NIN Tr No 5-21

Scientific - Physics
Aug 1956 CBE/Gen

37,342

Purification of Solvents for Spectrographic
Purposes, Part II, by M. Pestemer, 4 pp.

GERMAN, per, Angew Chem, Vol LXVII, 1955,
pp 740-741.

AEC Tr 2407

Sci - Chemistry

32,482

Dosage Du Cerium Par Spectrophotometrie. (Spectrophotometric Determination of Cerium), by L. Holleck, G. Liebold, G. Weidmann, 5 pp.

FRENCH from GERMAN, per, Angew Chem, Vol LXVIII, No 522, 1956.

Reverse Translation
AEC/CEA-tr-A242

Recent Developments in the Chemistry of Natural
Substances, by R. B. Woodward, 15 pp.

ERMAN, per, Angewandte Chemie, Vol LXVIII, No 1,
1956, pp 13-20.

SLA 60-14043

ci

Dr Commonwealth Index of Sci IN (CSIRO)

TS, Vol III, No 8

145,121

pr 61

On Biogenesis of Fungus Metabolism Products, 8 pp.

GERMAN, per, Angew Chem, Vol LXVIII, No 1, Jan 1956,
pp 18-20.

SLA 58-155

Sci

Aug 59

93, 670

The Constitution of the Actinomycins, by
H. Brockmann et al., 5 pp.

HESSIAN, per, Angew Chem. Vol LXVIII, No 2,
1956, pp 70-71.

NIH Tr No 5-13

Scientific - Chemistry
Aug 1956 CTS/Gen

37,334

Properties, Configurations and Correlations of the ~~HEH~~
Differences in the Behavior of Optically Active Sub-
stances, by W. Kuhn, 26 pp.

GERMAN, per, Angew Chem, Vol LXVIII, 7 Feb 1956,
pp 93-103.

SLA

Sci

Aug 59

95, 133

Acridolines as Intermediate Products of the
Synthesis Phthalocyanine, by Fritz Baumann,
et al., 78 pp.

GERMAN, par, Angew Chem, Vol LXVIII, pp 133-150,
1956.

S.L.A. Tr 956/56

Sci - Chemistry
Sep 56 CTS

39,115

The RC-Titration. A New Method for Electrodeless
Conductivity Measurement, by R. Huber, K. Cruse,
6 pp.

CHESMAN, per, Angew Chem, Vol LXVIII, 1956,
pp 178-181.

ABC Tr 2827

Sci - Chemistry
Apr 57 CTS/6ex

47,132

Explosion on Distilling Tetrahydrofuran, by J.
Scharz, H. Stabchen,

GERMAN, per, Angew Chem, Vol LXXVIII, 1956, p 182.

ASLIB-082

Sci

Aug 59

94,162

Letre, H., Jahn, A., and Hausbeck, Ch.
DETECTION OF 3,4-BENZOPYRENE AMONG THE
SMOKE PRODUCTS [1962] 3p.
Order from K-H \$3.75

K-H 5299-b

Trans. of Angew[andte] Chemi[e] (West Germany) 1956,
v. 68, p. 212-213.

DESCRIPTORS: *Smokes, *Hydrocarbons, Chemical
analysis, *Benzopyrene, Detection.

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

62-17462

- I. Letre, H.
- II. Jahn, A.
- III. Hausbeck, C.
- IV. K-H-5299-b
- V. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

The Determination of Small Surface Areas by Krypton
Adsorption, by R. A. W. Haul, 24 pp.

GERMAN, par, Angew Chem, Vol LXVIII, 1956,
pp 238-243.

ABC tr-3943

Sci - Chem
Apr 60

112,975

Paper Chromatography of Sugar Mixtures on
Glass Fibre Papers, by G. Jayne and H.
Knolle, 5 pp.

Chemist, per, Angew Chem, Vol LXVIII, No 7,
1956, p 243.

SLA Tr 57-1729

see
Ref

Jul 58

67, 944

62-18946

Überreiter, K. and Sorge, G.

TWO COLORIMETRIC METHODS. Pt. 1 of Quantitative
Determination of Organic Peroxides. [1962] 10p. 9 refs.
Order from SLA \$1.10 62-18946

Trans. of Angew[andte] Chem[ie] (West Germany) 1956,
v. 68, p. 352-354.

DESCRIPTORS: Organic compounds, *Peroxides,
Quantitative analysis, *Colorimetry, Organic solvents,
Acetic acids, Benzenes, Chemical indicators, *Meth-
ylene blue, Amines.

Two new colorimetric methods for the quantitative
determination of organic peroxides are described. Both
of them operate in organic solvents and in the homo-
geneous phase. For determinations in glacial acetic
acid, the indamine method, and for determinations in
benzene, the methylene-blue method is recommended.
(Chemistry--Analytical, TT, v. 10, no. 1) (over)

- I. Title: Indamines
- I. Überreiter, K.
- II. Sorge, G.
- III. Title: Quantitative ...

Office of Technical Services

Stereospecific Catalyses and Isotactic
Polymers, by G. Natta, 47pp
GERMAN, per, Angewandte Chemie, Vol 68, 1956,
No 12, pp 393-403
SLA TT-64-30814

Sci - Chem
June 67

328,949

Optical Properties of Polycrystalline Systems
Depending on Temperature, Study of Polyethylene
by This Method, by Karl Fischer, Armin Schram,
12pp
GERMAN, per, Angewandte Chemie, Vol 68, 1956,
No 12, pp 406-411
SIA TT-64-20921

Sci - Nuc Phy and
Nuc Chem
June 67

327,557

Schnell, H.

POLYCARBONATES, A GROUP OF NOVEL THERMO-
PLASTICS: PREPARATION AND PROPERTIES OF
AROMATIC POLYESTERS OF CARBONIC ACID.
[1962] [24]p. 52 refs.
Order from SLA \$2.60

62-20083

Trans. of Angew[andte] Chemie (West Germany) 1956,
v. 68, no. 20, p. 633-640.

Other translations are available from SLA \$2.60 as
62-16455 [1962] 23p.; \$4.60 as 61-16739 [1961] 43p.;
from RIS \$32.00 as RIS-61053, 26 June 59, 27p. and
from ATS as ATS-42H13G, 17p.

DESCRIPTORS: *Plastics, *Carbonates, Polymers,
Esters, *Carbonic acids, Synthesis, *Thermoplastics.

For abstract see Technical Translations 2 813, 1959.

(Materials--Plastics, TT, v. 9, no. 8)

62-20083

I. Schnell, H.
II. Title: Preparation ...

Office of Technical Services

Angewandte Chemie

1956, Vol 68, pp 776-984

ntc 70-14500-07A

On the Production of Metallic Germanium in a
Condenser Tube. On the Transportation of
Trichloride Germanium With Non-Saturated Compounds,
by R. Schwarz, E. Baroultsky.

GERMAN, per, Angew Chem, No 242, p 280-285;
Z Naturforsch, 25, 1956, pp 115, 116.

ASLIB-0854

Sci - Chem

Jun 59

89,280

New Methods for the Analysis of Nitrous Gases,
by K. Peters, H. Straschil, 12 pp.

GERMAN, per, Angew Chem, Vol. LXVIII, 1956,
pp 291-295.

SLA Tr 57-1167

Sci - Chemistry
Oct 57

54,107

Chemistry and Biochemistry of Neuramino Acid, by
H. Klenk, 15 pp.

GERMAN, per, Angew Chem, Vol 68, 1956, pp 349-
352.

S.L.A. Tr 1373/1956

Sci - Chem
Feb 57 CTS/dax

43,556

Natta, G.
STEREOSPECIFIC CATALYSIS AND ISOTACTIC
POLYMERS [Stereospezifische Katalysen und Isotak-
tische Polymere]. [1961] 30p. 34 refs.
Order from ES \$15.00

Trans. of Angewandte Chemie (West Germany)
1956, v. 68, p. 393-[403] (Also pub. in la Chimica e
l'Industria (Italy) 1956, v. 38, p. 751ff).
Another translation is available from SLA \$3.60 as
61-16700 [1961] [39]p.

DESCRIPTORS: *Catalysis, *Polymers, Synthesis,
Polymerization.

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

61-25135

1. Title: Isotactic polymers
 2. Title: Stereospecific poly-
merization
- I. Natta, G.
 - II. Stur, Erica, Akron, Ohio

TT-64-20866

181907

Office of Technical Services

Applied Chemistry Stereospecific Catalysts and
Isotactical Polymers, by G. Natta, 36 pp.

GERMAN, no per, Angew Chem, Vol LXVIII, No 12,
1956, pp 393-403.

Sci - Chem
Jul 57

SLA 57-2048
ATIC F-TS-10027/V
NR0-C-2197
49,299
TT-64-16056

On the Polymerization of Ethylene Under Normal
Pressure by Zinc and Sodium Alkyls, by C. D.
Menitzescu.

GERMAN, per, Angew Chem, Vol LXVIII, p 438, 1956.

HRC-C2200

Sci - Chem
Aug 58

70,553

Newer Methods of Preparative Organic Chemistry. II.
Preparative and Analytical Importance of Tertiary
Phosphines and Related Compounds. Organophosphorus
Compounds, by L. Horner, H. Hoffmann, 18 pp.

GERMAN, per, Angew Chem, Vol LXVIII, pp 473-485, 1956.

SIA 3449

Sci - Chem
Aug 58

70,532

62-16696

Wittig, G.
ORIGIN AND DEVELOPMENT IN THE PHOSPHINE
ALKYLENE CHEMISTRY. 15 Nov 56, 10p. 25 refs.
Order from SLA \$1.10 62-16696

Trans. of Angew[andre] Chem[ie] (West Germany)
1956, v. 68, no. 16, p. 505-508.

DESCRIPTORS: *Phosphines, Alkyl radicals, Chemical
reactions.

The discovery of phosphine alkylenes and their olefin-
forming properties was made intentionally and by
chance. The preparative importance of the new class
of substances is discussed on a number of examples.
(Author)

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

1. Wittig, G.

Office of Technical Services

Crystal Structure of 1, 4-Cis-Polybutadiene and
1, 4-Cis-Polyisoprene, by G. Natta, P. Corradini,
6 pp.

GERMAN, per, Angew Chem, Vol LXVIII, 1956, pp 615-
616.

SLA 59-10603

Sci. Chemistry
Sep 59
Vol II, No 2

98,686

Polycarbonates, a Group of New Thermoplastic
Materials Preparation and Properties of Aromatic
Polyesters With Carbonic Acid, by H. Schnell, 20 pp.

GERMAN, per, Angew Chem, Vol LXVIII, 1956,
pp 633-640.

NOT RELEASABLE TO FOREIGN NATIONALS

CIA/FDD XI-279

Sci - Chemistry
May 1957 CTS/Sec
IAC INTERNAL USE ONLY

4 87, 659 OTS 62-16455

OTS 61-16739 (Uncl)

SLA R-3227 (Uncl)
OTS 63-14202

Microzone Melting Process for the Purification
of Organic Substances, by G. Hesse, H. Schildknecht.

GERMAN, per, Angew Chem, Vol LXVIII, No 20,
1956, pp 641-643.

OTS-TT-64-16773

Assoc Tech Sv

Tr 43130

\$6.75

52,247

Sci - Chem
Sep 57

Polycarbonates as a New Group of Plastics. Preparation and Properties of Aromatic Polyesters of carbonic Acid, by H. Schnell.

GERMAN, par. Angew Chem, Vol LXVIII, No 20, 21 Oct 1956, pp 653-660.

ASLJ-02131

Sci

Aug 59

94, 204

Spengler, H.
FUEL ELEMENTS. 10p 19refs
Order from SLA \$1.10

TT-64-16298

Trans. of Angewandte Chemie (West Germany) 1956,
v. 68 [no. 22] p. 689-[692].

(Materials--Fuels, TT, v. 12, no. 4)

TT-64-16298

I. Spengler, H.

Office of Technical Services

Kinetics of Ion Exchange, by F. Helfferich.

GERMAN, par, Angewandte Chemie,
Vol LXXVIII, 1956, pp 693-698.

CSIRO

Sci - Chem
Apr 62

192,720

Cinetique de L'Echange D'ions. (Kinetics of Ion Exchange), by F. Helfferich, 25 pp.

FRENCH from GERMAN, per, Angew Chem, VOL LXVIII, 1956, pp 693-698.

Reverse Translation
AEC/CEA-Tr-A255

New Developments of the Organometallic Synthesis,
by Karl Ziegler, 22 pp.

GERMAN, per, Angew Chem, Vol LXVIII, 1956, pp 721-
729.

CIA/FDD XI-353

84A 62-10087

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chem

Dec 57

56,138

IAC INTERNAL USE ONLY

Electron and Nuclear Resonance as a Method of
Molecule Research, by K. H. Hausser.

GERMAN, per, Angewandte Chemie, Vol LXVIII,
No 23, 1956, pp 729-746.

CSIRO

211,332

Sci - Nuc Phys
Aug 62

Characterization and Catalytic Action of HOLLER,
H. Koller, 28 pp.

GERMAN, per, Angew Chem, Vol LXVIII, No 24, 1956.
pp 761-776.

Asso Tech Serv-38J63
\$26.95

Sci
Aug 58

68,827

Ommochrome, A Class of Natural Phenoxazone
Pigments, by A. Butenandt, 17pp
GERMAN, per, Angewandte Chemie, Vol 69, 1957,
No 1/2, pp 16-23
SIA TT-64-14984

Sci - Chem
May 67

326,594

Woodward, R. B.
STRUCTURE AND BIOGENESIS OF THE MACROLIDES,
A NEW CLASS OF NATURAL SUBSTANCES. [1964] 25p
29refs
Order from SLA \$2.60 TT-64-14739

Trans. of Angew[andte] Chem[ie] (West Germany) 1957,
v. 69, no. 1/2, p. 50-58.

(Biological Sciences--Biochemistry, TT, v. 12, no. 1)

TT-64-14739

I. Woodward, R. B.

Office of Technical Services

62-10383

Goubeau, J.
MULTIPLE BONDS IN ORGANIC CHEMISTRY. [1961] J. Goubeau, J.
[15]p. 20 refs.
Order from SLA \$1.60 62-10383

Trans. of Angewandte Chemie (West Germany) 1957,
v. 69, no. 3, p. 77-82.

DESCRIPTORS: Chemistry, *Organic compounds,
*Chemical bonds.

201340

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

Office of Technical Services

Structure and Reactivity of the Acetylene Bond, by
F. Bohlmann, 10 pp.
GERMAN, per, Angew Chemie, Vol. 69, No 3,
pp 82-86.
SLA TT 64-16819

Jul 66

305,470

The Insecticidal Esters of Phosphoric Acid, by G.
Schroder, 12 pp.

GERMAN, per, Angew Chem, Vol LXIX, No 3, pp 86-90,
1957.

SIA 3421

Sci + Chem
Aug 58

70,673

The Use of Iron Oxides for Chromatographic
Adsorption, by O. Glemser, G. Rieck, 5 pp.
GERMAN, per, Angewandte Chemie, 1957, vol
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SLA TT 64-16824

Jul 66

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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.

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

185207

Office of Technical Services

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

Göhring, Margot, Niedenzu, R., and Ratzel, G.
PHOSPHORUS-NITROGEN COMPOUNDS, tr. by Bertha
P. Klenova, 16 Apr 58, tp. TVA 3711.
Order from OTS or SLA \$1.10 62-25802

Trans. of Angewandte Chemie (West Germany) 1957,
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 oxyacids 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)

62-25802

- I. Göhring, M.
- II. Niedenzu, R.
- III. Ratzel, G.
- IV. TVA-3711
- V. Tennessee Valley
Authority, Wilson Dam,
Ala.
- VI. 60-23501, canceled

10-16-62

Office of Technical Services

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

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AMINES. 32p 17reits.
Order from SLA \$3.60

TT-64-18382

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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 ...

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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
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388,518

62-22878

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PAPER CHROMATOGRAPHY OF POLYNUCLEAR
AROMATICIS. [1962] 5p.
Order from K-H \$6.25

K-H 6456-c

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

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

- I. Wieland, T.
- II. K-H-6456-c
- III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

(Chemistry--Analytical, TT, v. 8, no. 11)

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

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

WII 1-36a-60

Sai - 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 IXIX, No 6, 1957, pp 205

SLA 59-10490

Sci - Chem
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Vol 2, No 1

97, 270

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

No 7,

GERMAN, per, Angew Chem, Vol LXIX, pp 213-219, 1957.

SIA 3225

Sci - Chem
Aug 58

OTS 61-20651

OTS 63-14203

PSLIB GB-39

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I. Schindewolf, 27 pp.

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SLA 57-2972
AEC Tr 2975

Sci - Physics; Chemistry
Sep 57

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

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CSIRO 3697

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Sci - Chem

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Mar 62

TT-64-20216

Further Investigations on Ethylenimino
Quinones and Related Compounds, by W. Gauss,
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GERMAN, per, Angew Chem, Vol LXIX, 1957,
pp 252-257.

SLA 57-3967
NIN Tr 10-31

Sci - Chemistry

Oct 57

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Spectroscopy, by H. Luther, H. Oelter.

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ATS 272-GJ

CSIRo

Sci - Chem
Nov 59

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321.

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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, TT, v. 9, no. 10)

63-12991

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

TT-64-20244

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

GERMAN, per, Angew Chemie, Vol LXIX, No 11, 1957,
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Sci - Medicine *Chem*
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NIH 11-23
SLA 59-19886

102,622

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

GERMAN, per, Angew Chem, Vol LXIX, No 12, 1957,
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SLA 59-10141

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Vol 2, No 5

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

GERMAN, per, Angew Chem, Vol LXIX, No 14, 1957,
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SLA 59-15886

Sci
Dec 59
Vol 2, No 5

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

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

SLA 57-2698

Sci

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NIH 3-39-60

Sci - Med

May 60

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<p>Pechmann, E. PROBLEMS OF PROTECTING CHEMICAL INVENTIONS (Probleme des Schutzes Chemischer Erfindungen). [1960] [20]p. 29 refs. Order from SLA ml\$2.40, ph\$3.30 61-10562</p> <p>Trans. of <u>Angewandte Chemie</u> (West Germany) 1957, v. 69 [no. 15] p. 497-505.</p> <p style="text-align: right; font-size: 1.5em;">148,548</p> <p>(Social Sciences, TT, v. 5, no. 7)</p>	<p style="text-align: center;">61-10562</p> <p>1. Patents--Germany 1. Pechmann, E.</p> <p style="text-align: center;">Office of Technical Services</p>
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G. Spengler, J. Gansheimer.
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No 16, 1957, pp 523-529.
SLA TT 64-20242

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Apr 67

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Wickbold, R.
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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, par, Angewandte Chemie, 1957, pp 634-638.
CIA 9040649

ACSIL Tr Eo 1065

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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 Boldyreva. 24 Feb 60,
3p. (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