

Rapid XE Radiography, by Siegfried Wolf. 1977.

GERMAN, per. Angew Chem, Vol LXXII, 1960,
pp 49-51.

ABC-Tr-5627

Sci - Phys
6 Jan 62

231,860

Born, H. J. and Riehl, N.
DETERMINATION OF TRACE AMOUNTS OF
OXYGEN IN SOLIDS BY ACTIVATION ANALYSIS.
[1961] sp.

Order from ATS \$12.70

ATS-89N4SG

Trans. of Angew[andte] Chem[ie]. (West Germany)
1960, v. 72, no. 16, p. 559-562.

61-12994

1. Oxygen--Determination
2. Radioactivation analysis--
Applications
- I. Born, H. J.
- II. Riehl, N.
- III. ATS-89N4SG
- IV. Associated Technical Serv-
ices, Inc., East Orange,
N. J.

158915

Office of Technical Services

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

(30 477) .

Preparative and Spectroscopic Investigations of the Oxides of the Elements of the 4th, 5th and 6th Groups of the Periodic Table, by A. Simon, 211.

GERMAN, per, Angewandte Chemie, No 16, 21 Aug 1960, p 565.

*JPRS 641
COPYRIGHT

Sci - Chemistry

7 Nov 60

Dehydrobenzene From o-Iodophenyl Mercury
Iodide, by G. Wittig, H. F. Ebel,

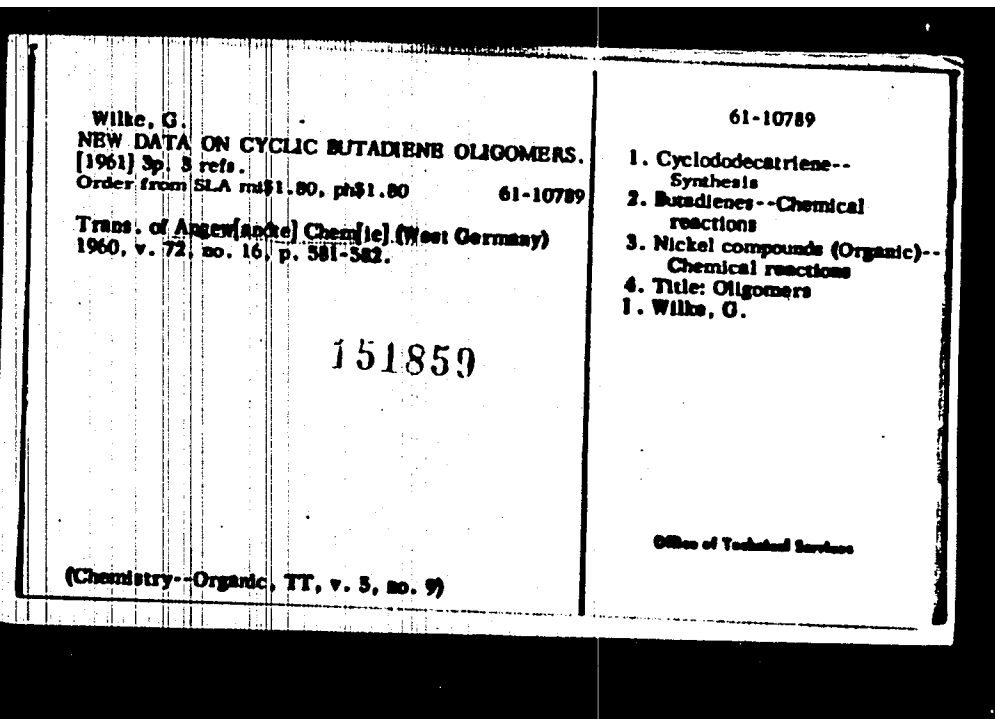
GERMAN, per, Angewandte Chemie, Vol LXXII,
21 Aug 1960, Np564.

TTIS-R.S.1

195, 975

Sci
Vol 4, No 10

May 62



Wilke, G.
NEW DATA ON CYCLIC BUTADIENE OLIGOMERS.
[1961] Sp. 8 refs.
Order from SLA m\$1.80, ph\$1.80 61-10789

Trans. of Angew[andte] Chem[ie] (West Germany)
1960, v. 72, no. 16, p. 581-582.

151859

(Chemistry--Organic, TT, v. 5, no. 9)

61-10789

1. Cyclododecatriene--
Synthesis
 2. Butadienes--Chemical
reactions
 3. Nickel compounds (Organic)--
Chemical reactions
 4. Title: Oligomers
1. Wilke, G.

Office of Technical Services

() .

Synthesis of N-substituted Tertiary Amines That Act on
the Central Nervous System, by J. Porszasz,
B. Mathovics, S. Foldeak, /

GERMAN, per, Angewandte Chemie, No 17, 7 Sep 1960,
p. 635.

JPRS 6044
~~COPYRIGHT~~

Sci - Chemistry

7 Nov 60

(100,000) .

Investigations on Fluorozirconates, by L. Kolditz,
A. Feltz, / p

GERMAN, per, Angewandte Chemie, No 17, 7 Sep 1960,
pp 634-635.

^c
*JPRS 6484
~~COPYRIGHT~~

Sci - Chemistry

7 Nov 60

Hauffe, K.
ELECTROPHOTOGRAPHY. [1961] 25p. (13 figs.
omitted) 27 refs.
Order from SLA \$2.60

62-10418

62-10418

I. Hauffe, K.

Trans. of Angew[andte] Chemie] (West Germany)
1960, v. 72, no. 19/20, p. 730-738.

DESCRIPTORS: •Electrophotography, Zinc com-
pounds, Oxides, Photoconductivity, Photoelectric
effect, Electrostatics.

(Materials: Photographic, TT, v. 7, no. 9)

Office of Technical Services

Riedel, O. and Kienitz, H.
THE FORMATION OF TEREPHTHALATE BY RE-
ARRANGEMENT OF CARBOXYL GROUPS IN A
¹⁴CO₂-ATMOSPHERE. [1961] Sp. 3 refs.
Order from SLA m\$1.80, ph\$1.80 f1-10788

Trans. of Angew[andte] Chem[ie] (West Germany)
1960, v. 72 [no. 19/20] p. 738-740.

151858

f1-10788

1. Phthalates--Chemical reactions
 2. Carboxyl groups--Chemical reactions
- I. Riedel, O.
 - II. Kienitz, H.

K-H-10546

Office of Technical Services

(Chemistry--Organic, TT, v. 5, no. 9)

(02-4722)

On the Reactivity of Thiophosphoryl Groups in
Thionophosphates, by G. Hilgetag, H. Teichmann, J.

GERMAN, per, Angewandte Chemie, No 17, 7 Sep 1960,
pp 633-634.

JPRS 611-
~~COPYRIGHT~~

Sci - Chemistry

7 Nov 60

(00-4777) .

Chemical and Spectroscopic Investigations on
Tetramethyldisilazane Derivatives, by H. Kriegsmann,
G. Engelhardt,

GERMAN, per, *Angewandte Chemie*, No 16, 21 Aug 1960,
pp 583-584.

*JPRS 6434
~~COPYRIGHT~~

Sci - Chemistry

7 Nov 60

(10 1025).

The Thermal Behavior of Methyl-E 605, by Gerhard
Lehmann, / /

GERMAN, per, *Angewandte Chemie*, No 16, 21 Aug 1960,
pp 566-568.

9
*JPRS 6441
COPYRIGHT

Sci - Chemistry

7 Nov 60

Aerosil, Manufacture, Properties, and Behavior in
Organic Liquids, by Ernst Wagner.

GERMAN, per, Angew Chem, Vol LXXII, 1960, pp 744-750.

CIA/FDD XX-1053

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chem

Oct 61

170,157

USIB INTERNAL USE ONLY

Detection of Very Small Quantities of Inorganic
Gases With an Ionization Detector, by R.
Lesser, 7 pp.

GERMAN, per. Angewandte Chemie, Vol. LXII,
No 21, 1960, p 775-779 067009

#775-779

AEC Tr-5287

Sci - Phys
Oct 62

215, 533

6157 215

3,3-Dialkyl-Diazacyclopropene-(1), by
S. R. Paulsen
GERMAN, per, Angewandte Chemie, Vol 72,
1960, pp 781-782
NTC 71-15256-07C

mar 72

Ziegler, K.
THE THEORY AND PRACTICE OF ORGANOMETAL-
LIC SYNTHESIS OF HIGHER ALIPHATIC COMPOUNDS
FROM LOWER OLEFINS. [1961] 14p.
Order from ATS \$23.80

ATS-21N49G

Trans. of Angew[andte] Chemie] (West Germany)
1960, v. 72, no. 22, p. 829-835.

SLA 6000000
ATS-701-CJ
K-H 106152

(Chemistry--Organic, TT, v. 5, no. 11)

61-22166

- I. Metallocene compounds--
Synthesis
- 2. Ethylene--Chemical reactions
- I. Ziegler, K.
- II. ATS-21N49G
- III. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

Ellingsfeld, Heinz, Seefelder, Matthias, and
Weidinger, Hans.
AMIDE CHLORIDES AND CARBAMIDE CHLORIDES.
[1961] [30]p. (1 table omitted) 50 refs.
Order from SLA \$2.60

62-10408

Trans. of Angew[andte] Chem[ie] (West Germany)
1960, v. 72, no. 22, p. 836-845.

DESCRIPTORS: *Amides, *Urea, *Chlorides,
Synthesis

A summary of the methods of preparation as well as
application of these compounds is given. The commen-
tary is concerned with the synthesis of alkyl chlorides,
amide acetates, acid chlorides, thioamides, amidines,
pyrimidines, chinazolines, anthrapyrimidines, ni-
trides; β -keto acid amides and aliphatic-aromatic
ketones. A generally applicable method of presenta-
(Chemistry--Organic, TT, v. 7, no. 8) (over)

62-10408

I. Ellingsfeld, H.
II. Seefelder, M.
III. Weidinger, H.

201342

Office of Technical Services

Fikentscher, Hans, Gerrens, Heinz, and Schuller, Helmut.

EMULSION POLYMERIZATION AND SYNTHETIC LATICES. [1961] 24p. 93 refs.
Order from SLA \$2.60

61-20687

Trans. of Angewandte Chemie (West Germany) 1960, v. 72, no. 22 [p. 856-864].

DESCRIPTORS: *Colloids, *Polymerization, Chemical reactions, Particles, Stability, *Synthetic rubber.

During the emulsion polymerization with emulsifiers the reaction starts in the aqueous phase, in the beginning it occurs preponderantly in the emulsifier micelles, later on in the latex particles formed. Size and size distribution of the latex particles can be influenced by reaction conditions and the polymerization technique. The stability of the synthetic latices (Chemistry-Physical, TT, v. 7, no. 5) (over)

61-20687

1. Title: Latex
2. Title: Emulsion polymerization

- I. Fikentscher, H.
- II. Gerrens, H.
- III. Schuller, H.

Office of Technical Services

On Silica Gel Layer Chromatography of the
Stereoisomeric Menthols, by H. J. Petrowitz, *et al.*

GERMAN, *per*, *Angewandte Chemie*, Vol LXXII, 1960,
p. 921. 969-2678

9 Redstone Arsenal

Sci - Chem

Jan 64

US GOVERNMENT

Mo-Caly

62-10053

- I. Title: Vulkollan
- I. Bayer, O.
- II. Müller, E.
- III. Title: Principle...

RIS D-669

Office of Technical Services

Bayer, Otto and Müller, Erwin.
VULCOLANBS: THE PRINCIPLE OF URETHANE
ELASTOMER PREPARATION. [1961] [14]p. 18 refs.
Order from SLA \$1. 60 62-10053

Trans. of Angewandte Chemie (West Germany) 1960,
v. 72, no. 24, p. 934-939.
Other translations are available from RIS \$30.00 as
RIS D-669 [1961] 17p. and from SLA \$1.60 as
61-20991 [1961] 18p.

DESCRIPTORS: *Elastomers, *Urethanes, Synthesis,
Glycols, Cyanates, Polymers, *Plastics

For abstract see 61-20991 above.

(Materials--Plastics, TT, v. 7, no. 4)

63-10581

Schubert, Friedrich and Lang, Konrad.
NEW WAYS OF PREPARING SODIUM BOROHYDRIDE,
AND ITS UTILIZATION. 23 Feb 61, 23p. 75 refs.
Order from S. A. \$2.60 63-10581

I. Schubert, F.
II. Lang, K.

Trans. of Angewandte Chemie (West Germany) 1960.
v. 72, no. 24, p. 994-1000.

DESCRIPTORS: *Sodium compounds, *Borohydrides,
Synthesis, Isotope separation, Sand, Physical proper-
ties, Chemical properties, Reduction (Chemistry),
Amines, Hydrogenation, Alkyl radicals,
Bibliographies.

(Chemistry--Inorganic, TT, v. 10, no. 1)

Office of Technical Services

The Bombardier Beetles and their Explosion
Chemistry. Part V. Report Concerning Insect
Repellant Materials, by H. Schildknecht and
K. Holoubek.

GERMAN, per, Angewandte Chemie, Vol 73, No 1,
1961, pp 1-7.

NTC 71-14199-06F

Feb 72

Chemical Transport Reactions and Their
Uses VII. Communications Concerning
Chemical Transport Reactions, by Harold
Scharfer, 16 pp.

GERMAN, par, Angew Chemie, Vol LXXIII,
1961, pp 11-14.

ABC Tr-5258

Sci - Chem
Oct 62

212,646

Schmitz, Ernst.
SYNTHESES WITH N-HALOAMINES. 16 Jul 63, 12p
25refs
Order from SLA \$1.60 TT-63-20726

Trans. of Angewandte Chemie (West Germany) 1961,
v. 73, no. 1, p. 23-25. (Abstract available)

DESCRIPTORS: *Amines, *Halogen compounds, Amides,
Pyrimidines, Hydrazines, Synthesis (Chemistry).

Aldehydes and Schiff bases derived from aldehydes form
alkylated acid amides when reacted with N-chloroalkyl
amines in an aqueous alkaline solution. In organic sol-
vents, though, diaziridines ("isohydrazones") are the
product obtained from Schiff bases and chloroamine or
N-chloroalkyl amines. Hydrolysis of these three-ring
heterocycles leads to mono- or dialkyl hydrazines. The
appropriate N-dibromo amines undergo twofold intra-
molecular bromination upon being irradiated in con-
(Chemistry--Organic, TT, v. 11, no. 4) (over)

TT-63-20726

1. Title: N-Haloamines
I. Schmitz, E.

Office of Technical Services

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

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

AEC NP Tr-811

Mar 62

Synthesis and Reactions of Organo-Silicon, Germanium,
and Tin Compounds, by A. D. Petrov.

GERMAN, per, Angew Chem, Vol LXXIII, 1961, pp 59-63.

CIA/FID XX-1054

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chem, Min/Met

Oct 61

170,158

USIB INTERNAL USE ONLY

Schenker, E.
RECENT METHODS OF PREPARATIVE ORGANIC
CHEMISTRY. IV. APPLICATION OF COMPLEX
BOROHYDRIDES AND OF DIBORANE IN ORGANIC
CHEMISTRY. [1962] [84] p. 865 refs.
Order from SLA \$8.10 62-16363

Trans. of Angewandte Chemie (West Germany) 1961,
v. 73, no. 3, p. 81-107.

DESCRIPTORS: Chemistry, Organic compounds, Syn-
thesis, Reduction, *Complex compounds, *Borohy-
drides, Hydrides, *Diboranes.

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

62-16363

I. Schenker, E.
II. Title: Application ...

K-H-10895-6

Office of Technical Services

Hellmann, H. and Liagens, F.
ELUCIDATION OF BIOLOGICAL SYNTHETIC CHAINS
BY MEANS OF MICROORGANISMS. [1961] 27p.

118 refs.

Order from SLA \$2.60

61-18687

Trans. of Angew[andte] Chemie (West Germany) 1961.
v. 73, no. 3, p. 107-113.

DESCRIPTORS: *Mutations, Genetics, Biochemical
genetics, *Enzymes, Synthesis, *Microorganisms.

Microorganisms offer especially suitable conditions for
the elucidation of biochemical synthetic chains. They
can be cultured quickly, require little space, are cas-
sily available in numerous species, and can often carry
out synthesis of which higher living organisms are not
capable. But above all, they can be transformed by
(Biological Sciences--Microbiology, TT, v. 7, no. 4)
(over)

61-18687

I. Hellmann, H.
II. Liagens, F.

Office of Technical Services

Ardenne, M. von and others.
ELECTRON-ADDITION MASS SPECTROGRAMS OF
CONDENSED AROMATIC HYDROCARBONS. [1961]
15p. (18 footnotes 15 figs. omitted).
Order from SLA \$1.60

61-20034

Trans. of Angewandte Chemie (West Germany) 1961,
v. 73, no. 4, p. 136-142.

DESCRIPTORS: *Hydrocarbons, Additives, Oxygen,
Molecular weight, Molecular structure, Organic com-
pounds, *Mass spectroscopy, Electrons, *Naphtha-
lenes, *Anthracenes, *Naphthacenes, *Phenanthrenes,
Fluorenes.

The electron-addition mass spectrography makes pos-
sible the reproducing of spectra, small in the number
of lines, of evaporable organic substances. The elec-
tron-addition molecular mass spectrograms of con-
(Physics--Spectroscopy, TT, v. 7, no. 7) (over)

61-20034

I. Ardenne, M. von

Office of Technical Services

62-18718

I. Kirmse, W.

Kirmse, W.
RECENT DEVELOPMENTS IN CARBENES. [1962]

[12]p. 91 refs.

Available on loan from SLA

62-18718

Trans. of Angewandte Chemie (West Germany) 1961,
v. 73 [no. 5] p. 161-166.

DESCRIPTORS: *Carbenes, Production, Chemical re-
actions, Decomposition, Elimination reactions, Addi-
tion reactions, Molecular structure, Electron
transitions.

SLA (A. 10) TT-62-20725/4)

(Chemistry--Organic. TT, v. 8, no. 9)

Office of Technical Services

<p>Kern, W., Cherdron, H. and others. POLYOXYMETHYLENES. [1961] 20p. Order from ATS \$34.75</p> <p>Trans. of Angew[andte] Chem[ie] (West Germany) 1961. v. 73, no. 6, p. 177-186.</p> <p>DESCRIPTOR: *Methanes.</p> <p>(Chemistry--Organic, TT, v. 6, no. 5)</p>	<p>61-22916</p> <p>I. Kern, W. II. Cherdron, H. III. ATS-93N51G IV. Associated Technical Services, Inc., East Orange, N. J.</p> <p><i>ATS/1044-GJ</i> <i>180575</i></p> <p>Office of Technical Services</p>
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61-18648

Bier, G.
HIGHMOLECULAR OLEFIN-MIXED-POLYMERISATES
PRODUCED WITH EMPLOYMENT OF ZIEGLER-
MIXED CATALYSTS. [1961] 36p. 32 refs.
Order from SLA \$3.60 61-18648

1. Title: Ziegler catalysts
1. Bier, G.

Trans. of Angew[andte] Chem[ie] (West Germany)
1961, v. 73, no. 6, p. 186-197.

185465

DESCRIPTORS: *Ethylenes, *Propenes, Polymerization,
Catalysts, *Polymers, Molecular weight.

(Chemistry--Organic, TT, v. 6, no. 9)

Office of Technical Services

61-18688

Braun, D[ietrich].
MACROMOLECULAR ORGANOMETALLIC COM-
POUNDS. [1961] [46] p. 137 refs.
Order from SLA \$4.60

I. Braun, D.

61-18688

Trans. of Angewandte Chemie (West Germany) 1961,
v. 73, no. 6, p. 197-208.

DESCRIPTORS: *Metalorganic compounds, Synthesis,
Polymers, Bibliography.

A systematic review is presented which includes the
numerous Soviet publications in this field.

105471

(Chemistry--Organic, TT, v. 6, no. 9)

Office of Technical Services

Vetter, K. J.
KINETICS OF ELECTROLYTIC GENERATION OF
HYDROGEN AND OXYGEN. [1964] [66p] 210refs
Order from SLA \$6.60 TT-64-10717

Trans. of Angewandte Chemie (West Germany) 1961,
v. 73, no. 9, p. 277-290.

(Chemistry--Physical, TT, v. 11, no. 12)

TT-64-10717

L. Vetter, K. J.

Office of Technical Services

Kolbel, H., Klamann, D., and Kurzendorfer, P.
CONSTITUTION AND PROPERTIES OF SUR-
FACTANTS. III. THE INFLUENCE OF STRUC-
TURAL ELEMENTS ON THE PHYSICAL AND
INDUSTRIAL APPLICATION PHENOMENA. [1961]

16p.
Order from ATS \$25.40 ATS-95N53G

Trans. of Angew[andte] Chem[ie] (West Germany)
1961, v. 75, no. 9, p. 290-298.

DESCRIPTORS: *Detergents. *Wetting agents.

(Chemistry--Physical, TT, v. 6, no. 12)

61-25485

62-10180
I. Kolbel, H.
II. Klamann, D.
III. Kurzendorfer, P.
IV. Title: Influence...
V. ATS-95N53G
VI. Associated Technical
Services, Inc.,
East Orange, N. J.

ATC/ATS

Office of Technical Services

63-16222

I. Goubeau, J.

Goubeau, J.
THE SIGNIFICANCE OF THE FORCE CONSTANTS
FOR THE CHEMIST. [1963] 14p. (table omitted)

21 refs.

Order from SLA \$1.60

63-16222

Trans. of Angewandte Chemie (West Germany) 1961,
v. 73, no. 10, p. 305-309.

DESCRIPTORS: Molecular structure, *Chemical bonds,
Carbon, Hydrogen, Nitrogen, Oxygen, Vibration,
*Infrared spectroscopy, *Raman spectroscopy, *Boron
compounds, Fluorides, *Isocyanates, Methyl radicals.

(Physics--Molecular, TT, v. 10, no. 7)

Office of Technical Services

Supercritical Water as an Electrolytic Solvent,
by E. U. Franck. *44 pp*
GERMAN, par, Angewandte Chemie, Vol 73, 1961,
pp 309-322.

NTC-71-10843-07D

AEC Hw 6-33 9089218

LLA 63-16221

Nov 71

Fischer, E. O. and Fritz, H. -P.
n-COMPLEXES OF BENZENOID SYSTEMS WITH
TRANSITION METALS; [1961] 25p.
Order from ATS \$35.75 ATS-90N55G

Trans. of Angew[andte] Chem[ie] (West Germany)
1961, v. 73, no. 11, p. 353-364.

DESCRIPTORS: *Benzenes, *Transition elements,
Metals.

(Chemistry--Organic; TT, v. 7, no. 9)

62-12607

- I. Fischer, E. O.
- II. Fritz, H. -P.
- III. ATS-90N55G
- IV. Associated Technical
Services, Inc.,
East Orange, N. J.

ATS/1010-65

Office of Technical Services

Nath, Heinrich.
INORGANIC REACTIONS OF THE ALKALI BOROHYDRIDES. 15 Feb 61 [45]p. 186 refs.
Order from SLA \$4.00

63-10612

Trans. of Angewandte Chemie (West Germany) 1961, v. 73, p. 371-383.

DESCRIPTORS: Chemical reactions, *Alkali metal compounds, *Borohydrides, Synthesis, Chemical elements, Halides, Organic compounds, Valence, Water, Physical properties.

(Chemistry: Inorganic, TI, v. 10, no. 1)

63-10612

H. Nath, H.

Office of Technical Services

Schmelsser, M. and Brändle, K.
HALOGEN NITRATES AND THEIR REACTIONS: THE
CHEMISTRY OF THE POSITIVE OXIDATION STATES
OF THE HALOGENS. 14 July 61, 21p. 31 refs.
Order from SLA \$2.60 63-10603

Trans. of Angewandte Chemie (West Germany) 1961,
v. 73, no. 11, p. 388-393.

DESCRIPTORS: *Halogen compounds, *Chlorine com-
pounds, *Bromine compounds, *Iodine compounds,
*Nitrates, Nitrogen compounds, Oxychlorides, Com-
plex compounds, Physical properties, Chemical prop-
erties, Chemical reactions

(Chemistry--Inorganic, TT, v. 10, no. 1)

63-10603

I. Schmelsser, M.
II. Brändle, K.
III. Title: Chemistry...

Office of Technical Services

Lau, Hans H.

PRINCIPLES OF CONFORMATION ANALYSIS. [1961]

25p. (24 figs. omitted) 165 refs.

Order from SLA \$2.50

61-20579

Trans. of Angew[andte] Chem[ie] (West Germany)
1961, v. 73, no. 12, p. 423-432.

DESCRIPTORS: *Organic compounds, Ethanes, Hexanes,
Cyclohexanes, Cyclohexanones, Hexanones, *Stereo-
chemistry, Isomers, Molecular structure, Electron
diffraction analysis, Dipole moments, Thermody-
namics, Spectrographic analysis.

(Chemistry--Organic, TT, v. 7, no. 2)

61-20579

I. Lau, H. H.

Office of Technical Services

Folic Acid in the Metabolism of One-Carbon
Units, by L. Jaenicke.

GERMAN, per, Angewandte Chemie, No 13, 1961,
pp 449-480.

CSIRO/No 6051

Sci-Chem
May 63

229,900

Lynn, F. and Tada, Martha.
**THE BIOCHEMICAL FUNDAMENTALS OF THE
"POLYACETATE RULE"**. [1961] 20p. (1 formula
2 diagrs. 11 equations 4 schemes 5 figs. omitted)
39 refs.

Order from SLA \$1.50

61-20583

Trans. of Anonymous Chemists (West Germany) 1961,
v. 73, no. 13, p. 513-519.

DESCRIPTORS: *Biochemistry, *Acetates, Atomic
structure, Synthesis, *Fatty acids, *Polymers,
Hydrocarbons, Biosynthesis, Salicylic acids,
*Enzymes, *Yeasts, Acetic acids.

(Biological Sciences--Biochemistry, TT, v. 7, no. 4)

61-20583

1. Title: Polyacetate rule
I. Lynn, F.
II. Tada, M.

Office of Technical Services

Problems in the Chemical Synthesis of Polynucleo-
tides, by F. Cramer, 39 pp.

GERMAN, per, Angewandte Chemie, Vol LXXIII, 1960,
pp 49-56. 9093624

AEC Tr-4816

Sci - Chem
Dec 61

177, 416

Bayer, Ernst, Hupe, K. H., and Witsch, H. G.
PREPARATIVE GAS CHROMATOGRAPHY. [1961]

[15] p. 20 refs.
Order from SLA \$1.60

62-10464

Trans. of Angewandte Chemie (West Germany) 1961,
v. 73, p. 525-530.

DESCRIPTORS: *Gas chromatography, Chromato-
graphic analysis.

The applications of preparative gas chromatography
are discussed. Examples are presented for separation
efficiency, load maxima on columns. Specific examples
with reference to etherified sugars are described. The
described gas chromatographic method makes it pos-
sible to separate a 50 to 200 gram mixture of volatile
substance within 10 to 60 minutes. (Author)
(Chemistry--Analytical, TT, v. 7, no. 10)

62-10464

I. Bayer, E.
II. Hupe, K. H.
III. Witsch, H. G.

Office of Technical Services

The Chemical Process at the Electrodes of
Electrochemical Sources of Current, by H. Bode.

GERMAN, per, Angew Chem, Vol LXXIII, No 16, 1961,
pp 553-560.

RAE Lib Tr: No 991

Sci - Chem

Aug 62

207,269

**Six Membered and Eight Membered Ring System in
Sulphur Chemistry, by Margot Becke-Gohring, 40 pp.
GERMAN, per: Angewandte Chemie, Vol LXXIII,
1961, pp 589-597.
SLA 63-18761**

**Sci-Chem
March 64**

252,072

Schildknecht, H. and Vetter, H.
COLUMN CRYSTALLIZATION. Paper presented at
Gordon Research Conference on Separation and
Purification, New London, 28 July 60. [1962] 11p.
8 refs.

Order from SLA \$1.60

62-10958

Trans. of Angew[andte] Chemie] (West Germany)
1961, v. 73, no. 17/18, p. 612-615.

DESCRIPTORS: *Crystallization, Melting, Alcohols,
DNT, *Purification, Fractionation, Separation,
Crystals.

A method of fractional crystallization and fusion is
described which, like column distillation, represents
a true countercurrent process. The new separating
process may be used to purify crystallizable com-
pounds that melt without decomposition and to separate
(Chemistry-Physical, TT, v. 8, no. 7) (over)

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DESCRIPTORS: Polymers, Electrical conductance,
Semiconductors

(Engineering -- Electrical, TT, v. 7, no. 11)

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NIH 12-118-63

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Order from SLA \$1.10

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DESCRIPTORS: *Pregandols, Biological assay,
*Tissue extracts, Brain, Drugs, Cattle, Fractionation.

Substance P, a smooth muscle stimulant, was isolated
from cattle brain extract. The procedures used are
described. The isolated fraction increased the activity
in cocum. It increased the blood pressure
of rabbits. Highly purified fractions were
active on the isolated rat uterus and in
no protective action against strychnine.
Biochemistry, TT, v. 10, no. 12)

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NIH 12-9-62

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Order from S.L.A \$4.00

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Trans. of Angewandte Chemie (West Germany) 1962,
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DESCRIPTORS: *Polyethylene plastics, Deformation,
Microstructure, Crystal structure, Single crystals,
Crystallization, Polymers, Fibers (Synthetic),
Annealing, Density, Melting, *Expanded plastics,
Stretch forming.

The meridional interferences occurring in the small-
angle X-ray diagram of stretched polyethylene are
produced by an almost periodic arrangement of
crystalline and disordered regions. The long period
defined by the mean spacing of two successive crys-
(Materials-Plastics, TT, v. 10, no. 5) (over)

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Trans. of Angew[andte] Chem[ie] (West Germany)
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DESCRIPTORS: *Fibers (Synthetic), Production,
Industrial research.

(Materials--Textiles, TT, v. 10, no. 8)

63-22199

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Organo-phosphorus Compounds in the Treatment of
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GERMAN, per, Angewandte Chemie, No 14, 21 Jul 1960,
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*JPRS 6486
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Sci - Chemistry

7 Nov 60

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*JPRS 6434
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Order from SLA: \$4.60 as TT-65-12442

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ABC Tr 3634

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Chemistry.

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

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DESCRIPTORS: Chemical analysis, *Elasticity,
*Stresses, *Plastic films.

(Engineering--Chemical, TT, v. 9, no. 10)

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NTC 71-16445-07C

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DESCRIPTORS: *Glass, Control, Measurement.

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