

Meeting on the Occasion of the Fifty-Year Doctor
Jubilee of Professor Doctor Julius Meyer, Clau-
sthal, May 9 1950.

Full translation.

GERMAN, per, Angew Chem, Vol 62, 1950, pp 413-414.

AEC Tr 1230

Scientific - Miscellaneous

Meeting on the Occasion of the 50 Year Doctor Jubilee
of Prof. Dr. Julius Meyer, Clausthal, May 9, 1950.

GERMAN, per, Angew Chem, Vol. LXII, 1950, pp 423-424.

AEC UCRL-T-122

Sci - Misc

Apr 60

115,088

Development (and Application) of Amalgam Chemistry,
by E. Kuss.

GERMAN, per, Angewandte Chemie, Vol LXII, No 22,
1950, pp 519-526.

34,049

Bruchgr Tr

No 3649

SLA 67-18236 (240-2.6)

\$12.75

Scientific - Chemistry

May 56 CTB/DEX

The Nitration of Cyclohexane, by G.
Grundmann and H. Haldenwanger, T 29.

GERMAN, DOR, Angew Chem, vol 121, no 10/11,
1950, pp 556-558.

RES-03136E
ATC/772-GJ

123, 126

Sci

for 66

Noll, W.
SEMIBURNT DOLOMITTE (Über den Halbgebrannten
Dolomit). [23p] (foreign text included) 22refs
Order from SLA \$2.60 TT-64-16591

Trans. of Angew[andre] Chemie (West Germany) 1950,
v. 62, no. 23/24, p. 567-572.

(Materials, TT, v. 12, no. 3)

TT-64-16591

1. Noll, W.

Office of Technical Services

The Chemistry and Photochemistry of the Terrestrial Atmosphere, by P. Harteck, 29 pp. UNCLASSIFIED.

GERMAN, per, Angewandte Chemie, Vol LXIII, No 1, 1951, pp 1-7.

Air Reg and Dev Command
7-87-GV

Scientific - Chemistry

17,865

Some Newer Studies in the Vitamin Field, by
Prof Dr P. Karrer, 16 pp.

GERMAN, per, Angewandte Chemie, Vol LXIII, No 2,
1951, pp 37-40.

NIH

Scientific - Chemistry

7139

Nov 53 CTE

Spandau, H.
DETERMINATION OF THE PARTICLE WEIGHT OF
ORGANIC COMPOUNDS BY MEANS OF THE DIALY-
SIS METHOD; A CONTRIBUTION TO THE QUESTION
OF THE SOLVATION OF ORGANIC SUBSTANCES IN
SOLUTION (ABSTRACT). [1961] 9p. 1 ref.
Order from SLA ml\$1.80, ph\$1.80

61-10781

Trans. of Angewandte Chemie (West Germany) 1951
[v. 63, no. 2] p. 41-43.

151854

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

61-10781

1. Organic compounds--
Solubility
2. Solutions--Diffusion
3. Particles--Measurement
4. Diffusion--Analysis
1. Spandau, H.

Office of Technical Services

The Chemical Structure of the "Activated Acetic Acid,"
by F. Lynen, Ernestine Reichert, 12 pp.

GERMAN, per, Angewandte Chemie, Vol. LXIII, No 2,
1951, pp 47, 48.

SIA 60-10555

Sci
Jun 60
Vol III, No 6

119,139

Thilo, E.
THE CONSTITUTION OF SILICATES, tr. by Bertha P.
Klenova. 2 July 51, 17p. 27 refs. TVA 3028.
Order from OTS or SLA \$1.60 62-25811

Trans. of Angew[andte] Chem[ie] (West Germany) 1951,
v. 63, p. 201-205.

DESCRIPTORS: *Minerals, *Silicates, Chemical
properties, Molecular structure, Calcium compounds,
Sodium compounds, Chemical reactions.

The structures and the principles of formation of com-
plicate minerals are known, but knowledge of the
relationships between the chemical properties and the
construction principles of silicates is very scant. A
constitutional chemistry of silicates in the proper mean-
ing of the term does not exist, since methods for their
systematic formation and decomposition are not available.
(Earth Sciences--Mineralogy, TT, v. 9, no. 4) (C-47)

62-25811

- I. Thilo, E.
- II. TVA 3028
- III. Tennessee Valley
Authority, Wilson Dam,
Ala.
- IV. 62-25811 (C-47)

10-31-62

Office of Technical Services

A Chromatographic Colorimetric Method for the
Determination of Very Small Quantities of Acids,
by H. Grasshof.

GERMAN, per, Angew Chem, Vol LXIII, No 9, 1951,
pp 219-220.

T.I.L. T.4519

Sci - Chemistry

35,713

Jun 1956

Retention Analysis V. Paperchromatography an
Ionophoresis of Hydroxy-Carboxylic Acids and
Their Quantitative Determination, by Th. Wieland,
Ursula Feld, 4 p.

GERMAN, per, Angew Chem, 1951, Vol LXIII, No 11,
pp 258-259.

SLA 60-10554

Sci
May 60
Vol 3, No 4

116, 763

The Newest Methods for the Determination of the
Composition of the Bituminous Coal Tar, by H. G.
Franck.

GERMAN, per, Angewandte Chemie, Vol LXIII, No 11,
1951, pp 260-263.

Navy Tr 1247/NRL 536

Sci - Chemistry
Fuels

Nov 55 CTS/DEX

28,953

Evaluation of Ion Exchange Agents with
Special Reference to their rates of
Exchange, by H. Stach, 16pp.
GERMAN, per, Angewandte Chemie, Vol 63,
No 11, 1951, pp 263-267.
CFSTI TT-64-18924.

322,610

Sci - Electronics &
Electrical Engineering
Mar 67

Pure Products From Coal Tar, by K. F. Lang, 4 pp.

GERMAN, per Angew Chem, Vol LXIII, No 15, 1951,
pp 345-349.

S.L.A. Tr No 350/1955

Sci - Chemistry
Jan 1957 CTS/dex

44,985

Moschel, W.

ON THE TECHNOLOGY OF MAGNESIUM PRODUCTION. [1963] 50p (figs omitted) 100refs
Order from SLA \$4.60

TT-64-14378

Trans. of Angewandte Chemie (West Germany) 1951,
v. 63, no. 17/18, p. 385-395.

Another trans. is available from SLA as II-249, 50p.

(Metallurgy--Light Metals, TT, v. 11, no. 11)

TT-64-14378

I. Moschel, W.

Office of Technical Services

Weber, R.

REMOVAL OF SULFUR DIOXIDE FROM A CARBON DIOXIDE GAS STREAM WITH MARBLE, tr. by

Bertha P. Klenova. 21 Feb 52 [8]p. 4 refs. T/A 3086. Order from OTS or SLA \$1.10

62-25810

Trans. of Angewandte Chemie (West Germany) 1951, v. 63, p. 467-469.

DESCRIPTORS: *Carbon dioxide, Purification, *Sulfur compounds, Dioxides, Absorbents, *Marble, Reaction (Chemistry).

In laboratory experiments to remove sulfur dioxide from carbon dioxide, the carbon dioxide gas is sent up from the bottom through a column packed with marble chips and the water is added continuously at the top. The purification effect has been investigated for a sample of definite grain size as a function of the amount of (Chemistry--Inorganic, TT, v. 9, no. 4) (over)

62-25810

1. Weber, R.

II. T/A-3086

III. Angewandte Chemie

IV. 1951, v. 63, p. 467-469

V. 1951

VI. 1951, v. 63, p. 467-469

10-16-67

Office of Technical Services

Thilo, E.
THE CHEMISTRY OF CONDENSED PHOSPHATES, tr.
by Bertha P. Klenova. 15 Jan 52 [11]p. 39 refs.
TVA 3076.

Order from OTS or SLA \$1.60 62-25809

Trans. of Angew[andte] Chem[ie] (West Germany) 1951,
v. 63, p. 508-511.

DESCRIPTORS: *Phosphates, *Chemistry, Phosphoric
acids, Condensation reactions.

Important conclusions with respect to the constitution
were derived from the study of the structure of the
anions of condensed phosphoric acids. A division can
now be made into metaphosphates, polyphosphates,
isometaphosphates, and another group for which the
constitution has not been definitely established as yet.
Graham's and Kurrol salts belong to this latter group.
An important contribution was made to the chemistry of
the transformations of Kurrol salts. (Author)

62-25809

- I. Thilo, E.
- II. TVA-3076
- III. Tennessee Valley
Authority, Wilson Dam,
Ala.
- IV. 60-23290 canceled

10-16-62
(Chemistry--Inorganic,
TT, v. 9, no. 10)
Office of Technical Services

Bjerrum, J.

THE NECESSITY OF A SPECIAL ANTIBASE CON-
CEPT: DISCUSSION OF THE CONCEPTS OF ACIDS
AND BASES, tr. by Bertha P. Klenova. 14 Feb 52 [11]p.
18 refs. TVA 3085.

Order from OTS or SLA \$1.60

62-25806

Trans. of Angew[andte] Chem[ie] (West Germany) 1951,
v. 63, p. 527-530.

DESCRIPTORS: *Acid-base equilibrium, Theory,
Oxidation-reduction reactions, Electron capture

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

62-25808

- I. Title: Antibases
- I. Bjerrum, J.
- II. Title: Discussion...
- III. TVA-3085
- IV. Tennessee Valley
Authority, Wilson
Dam, Ala.
- V. 60-26297 canceled

10-16-62

Office of Technical Services

Amino Acid Decarboxylases, by Dr E. Werle, 37 pp.

GERMAN, per, Angewandte Chemie, Vol LXIII, No 23/24,
1951, pp 550-555. CIA D 151148

NIH

Scientific - Chemistry

22,194

CTS 66/Mar 1955

The Adhesive Capacity of Powders and Its
Application to the Estimation of Particle
Size, by E. Cremer, et al, 9 pp.

GERMAN, per, Angew Chem, Vol LXIV, No 1,
1952, pp 10-11.

S.L.A. Tr 987

Sci - Chemistry

33,061

Apr 56

11 11 11 11

The Group Transferring Action of Disaccharide
Splitting Enzymes, by K. Wallenfels, E. Berné, 7 pp.

GERMAN, per, Angew Chem, Vol LXIV, No 1, 1953,
pp 28, 29.

SLA Tr 816/1955

Sci - Biol

50,176

Jul 57

The Development of the Production of Foamed
and Cellular Rubber, by F. Lober, 35pp
GERMAN, per, Angewandte Chemie, Vol 64, 1952,
No 3, pp 65-76
SIA TT-64-20295

Sci - Mat
June 67

327,506

Adduct Compounds of Cyclodextrin, by F. Cramer,
3 pp.

GERMAN, per, Angew Chem, Vol LXIV, 1952, p 136.

S.L.A. Tr No 1855

Sci - Chemistry, organic
Apr 57

46,856

N-Trifluoro Acetyl Amino Acids, by F. Weygand, R.
Csendes, 5 pp.

GERMAN, per, Angew Chem, Vol LXIV, 1952, p 136.

NIH 9-21

Sci - Chem
Sep 59

97,400

Oriental Separation of Crystals, by Neuhaus.

GERMAN, per, Angewandte Chemie, Vol LXIV,
1952, pp 158-162.

CSIRO GB 105

Sci - Chem
Apr 62

190,356

Hydrocarbon From Carbon Monoxide and Water, by
H. Kolbel, F. Engelhardt, 13 pp.

GERMAN, per, Angew Chem, Vol LXIV, No 2, 1952.

S.L.A. Tr No 1871

Sci - Chemistry, inorganic
Apr 57

46,870

Bio Lab. T-508-1

R-8081-D
14 Mar 67

Protonenfreie ionisierende anorganische Lösungsmittel

By: Spandau, H.

From: Angewandte Chemie, V64(#4):93-120, '52 (28 pp)

German - est for wds:

Please translate and type 1 camera ready copy. Document
can be cut. Please make cover as sample attached.
T-508-1.

New Rapid Method of Halogen Determination in Organic Substances, R. Wickbold, 12p.

GERMAN, per, Angewandte Chemie, No 64, No 5, 1952, pp 133-135.

SLA TT-64-30942

333, 775

Sci

Jul 67

Machemer, H.

THE GUERBET REACTION AND ITS TECHNICAL
IMPORTANCE. [1963] [28]p. (figs. tables omitted)
206 refs.

Order from SLA \$2.60

63-18691

Trans. of Angew[andte] Chemie (West Germany) 1952,
v. 64, 21 Apr, p. 213-220.

DESCRIPTORS: *Alcohols, *Surface-active substances,
*Detergents, *Cleaning compounds, Alkylation,
Condensation reactions, Molecular isomerism.

(Materials, TT, v. 10, no. 11)

63-18691

1. Title: Guerbet reactions
1. Machemer, H.

TC - 190

Office of Technical Services

Characteristics and Importance of Free Radicals,
by E. Miller, 74 pp.

GERMAN, per, Angew Chem, Vol LXIV, No 9-10,
(May 13) 1952, pp 233-247.

SIA 57-2309

Jul 58

69, 187

Kornith, E.
NEWER INORGANIC PIGMENTS. [1961] [12]p.
Order from SLA \$1.60 62-10040

Trans. of Angew[andte] Chemie (West Germany)
1952, v. 64, no. 9/10, p. 265-269.

DESCRIPTORS: *Pigments, *Inorganic substances.

The object of the investigation was an economical, cement-stable, inorganic blue pigment. Systematic treatment was successful in finding, in Manganese Blue, a technically satisfactory solution. In addition, different other blue pigments, consisting of binary (analogous to Rinnans green) or ternary oxide compounds, were found. The work was extended to rust-protective pigments and subsequently the ferrites of Pb and Ba, and especially of lead cyanamide were found to be very good rust-protective pigments.
(Author)

62-10040

1. Kornith, E.

(Chemistry - Inorganic, TT,
v. 7, no. 9)

Office of Technical Services

On the Fine Structure of Some Proteins, by H.
Zahn.

GERMAN, per, Angew Chem, Vol LXIV, No 11, 1952,
p 295-308.

SLA ASLIB DBL21

Sci

Jul 58

68,599

Alumino-organic Syntheses in the Field of Olefinic
Hydrocarbons, by K. Ziegler, 16 pp.

Full translation.

GERMAN, per Angew. Chem., Vol LXIV, 1952, pp 323-329.

S.L.A.

TT-64-20863
Scientific - Chemistry

60-12241
SAP-55-18-17
Aug 55

27,420

Design of Apparatus and Processing Techniques
in Modern Acetylene-and Carbon Monoxide
Chemistry, by Walter Reppe, 15pp
GERMAN, per, Angew Chem, Vol 21, 1952, No 245-
268, pp 340-359
SLA TT-64-20308

Sci - Eng
May 67

327,407

Conversion of Ultrasound Into Visible Images by
Means of a Thermally Actuated Color Change, by
H. H. Rust

REMAN, per, Angewandte Chemie, Vol LXIV, No 11, 1952,
pp 308-311.

Butcher Tr 3035

Scientific - Chemistry
88/DEX

Price \$5.50

7852

Diffusion in Solid Metals, by W. Seith, A. Kottmann,
UNCLASSIFIED

GERMAN, Angew. Chem., Vol 64, No 14, pp 379-391,
1952.

A.E.R.E., Harwell Tr No
11/3/5/265 OT/432

Scientific - Metallurgy

Index Aeronautics, February 1953

Purification of the Polymethanol Compounds of
Phenol, by J. Reese

GERMAN, per, Angew Chem, Vol LXIV, No 14, 1952,
pp 399-400. ~~CONFIDENTIAL - SECURITY INFORMATION~~

C.D.E.E. Porton 131 OT/826

Scientific - Chemistry
CTS/DEX

17,803

Inclusion Compounds, by Friedrich Cramer,
18pp.

GERMAN, per, Angewandte Chemie, Vol 64,
No 16, 1952, pp 437-447.

CFSTI TT-64-18912.

322.318

Sci - Chemistry
Mar 67

Ans, J. 'd and Mattner, J.
CATALYSIS OF COPPER HYDROXIDE IN HYDROGEN
PEROXIDE AND PERACETIC ACID SOLUTIONS AND
IN THE RASCHIG HYDRAZINE SYNTHESIS AND ITS
INHIBITION BY MEANS OF MAGNESIUM HYDROXIDE.
[1961] 16p. 19 refs.
Order from ES \$7.00

Trans. of Angew[andte] Chem[ie] (West Germany)
1952, v. 64, p. 448//.

DESCRIPTORS: Copper compounds, *Hydroxides,
Hydrogen compounds, *Peroxides, *Acetic acids,
*Catalysis, *Hydrazines, Synthesis, Magnesium com-
pounds, Chemical reactions.

(Chemistry--Inorganic, TT, v. 6, no. 6)

61-25142

I. Ans, J. 'd
II. Mattner, J.
III. Stux, Erica, Akron, Ohio

176752

Office of Technical Services

New High Elastic Substance "Vulcollan", Part II, 9,
by E. Mueller, 34 pp. UNCLASSIFIED

Report on Polyurethane,
GERMAN, per, Angewandte Chemie, Vol LXIV, 1952,
pp 523-531.

QMT 427

Scientific - Chemistry

Oct 53 CTS

6659

Artificial Fluorine Materials, by O. Horn,
W. Streck, 7 pp.

GERMAN, per, Angewandte chemie, Vol. ~~LXXIV~~ LXIV,
1952, pp 533-536.

SLA Tr 1637

Sci - Chem
Apr 1957

46,192

218-2-20-4

Angewandte Chemie

order from NTC

1952 V64 P611-612	70-23807
1952 V64 P661-670	70-23730
1952 V64 N21 P580-585	70-23734
1952 V64 N9/0 P233-247	70-23808

1953 V65 P97-107	70-23391
1953 V65 P586-598	70-21008
1953 V65 N4 P107-109	70-23393
1953 V65 N5 P131-135	70-23392
1953 V65 N7 P186-187	70-11923
1956 V68 P486-491	70-10570
1957 V69 P322-333	70-23731

1958 V70 P439	70-23493 (*)
1959 V71 N24 P775	70-11058-07C
1960 V72 N6 P210	70-10139-07C
1962 V74 P563-569	70-13484-11E

Activation Analysis, by W. Herr, 25 pp.

GERMAN, per, Angew Chem, Vol LXIV, No 24, 1952;
pp 679-~~684~~ 685.

SLA Tr 3029

Sci - Chemistry
Feb 58

59,538

New Results in Preparative Hydride Research, by
Egen Wiberg, 35 pp.

GERMAN, per, Angew Chem, Vol LXV, 1953, pp 16-33.

AEC Tr 1931

SLA 833/1955 2.1.1.1.1-10.1.1.1

Scientific - Chemistry
Jul /CTS/DEX

16,478

Dewald, W. and Schmidt, H.
PHOSPHATE GLASSES AND THEIR TECHNICAL
EVALUATION, tr. by Bertha P. Klempa. 24 Mar 63.
9p. 9 refs. TVA-3179.
Order from ODS or SLA \$1.10

62-25805

Trans. of Angewandte Chemie (West Germany) 1953,
v. 65, p. 78-81.

DESCRIPTORS: *Glass, Test methods, *Phosphates,
Sulfur compounds, *Soaps, Calcium compounds,
Fatty acid esters.

Phosphate glasses with a mole ratio $\text{Na}_2\text{O}/\text{P}_2\text{O}_5 = 1:1$ to
5:3 may contain in complex solution calcium, magne-
sium, and other metals. The dissolving power for
calcium silicate at room temperature, for glasses with a
mole ratio 1:1 to 7:5, is approximately the same but at
higher temperatures there is a pronounced optimum at
(Materials--Ceramics, TT, v. 9, no. 4) (over)

62-25805

- I. Dewald, W.
- II. Schmidt, H.
- III. TVA-3179
- IV. Tennessee Valley
Authority, Wilson Dam,
Ala.
- V. 62-25805, Condensed

10-16-62

Office of Technical Services

Wickbold, R.
PHOTOMETRIC TURBIDITY TITRATION FOR DETER-
MINATION OF MINIMUM AMOUNTS OF SULFATE,
tr. by Bertha P. Klenova. 22 Apr 53, 7p. 2 refs.
TVA 3187.

Order from OTS or SLA \$1.10

62-25804

Trans. of Angewandte Chem (West Germany) 1953,
v. 65, p. 159-161.

DESCRIPTORS: *Sulfates, Determination, Titration,
Turbulence, Photometers, Barium compounds, Chlorides

The determination of sulfate by photometric turbidity
titration with barium chloride, described by Riapora,
has been applied to amounts of sulfate, ranging two
decimal powers lower. The method then gains in im-
portance for the determination of traces of sulfur in
organic compounds by the combustion method. Theory
and other uses are discussed. (Author)
(Chemistry--Analytical, TT, v. 9, no. 4)

62-25804

- I. Wickbold, R.
- II. TVA-3187
- III. Tennessee Valley
Authority, Wilson Dam,
Ala.
- IV. 60-23342, canceled

Referred
Under 1.0000000000000000

Parat, F.
THEORY AND REALITY IN POLYMERIZATION RE-
ACTIONS, tr. by Bertha P. Klenova. 27 apr 55. 15p.
5 refs. TVA 3185.
Order from OTS or SLA \$1.40 62-25403

Trans. of Angew[andte] Chem[ie] (West Germany) 68, 3,
v. 65, p. 173-178.

DESCRIPTORS: Chemical reactions, *Polymerization,
Theory, Chain reactions, *Phosphorus compounds,
*Nitriles, Chlorides, *Ethylene oxide, Phenols,
Reaction kinetics.

A theoretical description of polymerization as a chain
reaction related to the chlorine detonating gas chain is
followed by a discussion of the available quantitative data
on polymerization reactions (starting, terminating,
growth, and transfer reactions). The examples include:
(Chemistry--Analytical, TT, v. 9, no. 4) (over)

62-25403

- I. Parat, F.
- II. TVA 3185
- III. Tencamp, Wally
Audrey, & Johnston,
Alb.
- IV. 60-25343, or 62-25403

10-16-62

Office of Technical Services

Spandau, Hans and Brunneck, Edgar.

DETERMINATION OF THE PARTICLE WEIGHT OF
ORGANIC COMPOUNDS WITH THE AID OF THE
DIALYSIS METHOD. II. DIALYSIS MEASUREMENTS
IN BENZENE. [1952] 17p.

Order from K-H 521.25

K-H 3280-d

Trans. of Angewandte Chemie (West Germany) 1953,
v. 65, 7 Apr., p. 153-156.

DESCRIPTORS: Determination, *Molecular weight,
*Particles, *Organic compounds, Electrodialysis.

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

62-22763

- I. Spandau, H.
- II. Brunneck, E.
- III. Title: Dialysis...
- IV. K-H-3280-d
- V. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Protein Synthesis in Yeast Cells, by Dr Fritz
Turba, Herbert Esser, 4 pp.

GERMAN, per, Angewandte Chemie, Vol LXV, No 10,
May 21, 1953, ~~pp 256, 257.~~

H1H

Scientific - Chemistry

CIS/DEX

17,904

Herr, W.
CARRIER-FREE SEPARATION OF THE RADIO-
ISOTOPES OF RARE EARTHS OBTAINED BY NEU-
TRON CAPTURE REACTION. [1962] 6p. 11 refs.
Order from SLA \$1.10 62-18702

Trans. of Angewandte Chemie (West Germany) 1953,
v. 65 [no. 11] p. 303-304.

DESCRIPTORS: *Isotope separation, *Radioactive iso-
topes, Tracer studies, *Rare earths, *Neutron capture,
Neutron reactions

(Nuclear Physics--Isotope Separation, TT, v. 9, no. 11)

62-18702

I. Herr, W.

Office of Technical Services

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730032-0

Angewandte Chemie

1953, Vol 65, pp 315-319

ntc 70-15385-07C

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730032-0

Treiber, E. and Schurz, J.
RADIOGRAPH REQUIREMENTS FOR QUANTITATIVE
INVESTIGATIONS: CONTRIBUTION TO THE KNOWL-
EDGE OF THE NUMERICAL INTENSITY FILM
CURVE IN EXPOSURES WITH X-RAYS AND OF THE
CONDITIONS FOR THE DEVELOPING OF X-RAY
FILMS, tr. by Bertha P. Klenova. 2 Oct 52 [12]p.
27 refs. TVA 3131.
Order from OTS or SLA \$1.60

62-25800

Trans. of Angew[andte] Chem[ie] (West Germany) 1953,
v. 65, p. 453-457.

DESCRIPTORS: *Radiography, Radiographic film,
*X-ray photography, X rays, Intensity, *Photographic
film, Density, Photographic processors, Photographic
emulsions, Photographic chemicals, Antifogging agents,
Electron microscopy, Quantitative analysis.
(Materials--Photographic, TT, v. 9, no. 6) (over)

62-25800

- I. Treiber, E.
- II. Schurz, J.
- III. Title: Contribution ...
- IV. TVA-3131
- V. Tennessee Valley
Authority, Wilson Dam,
Ala.
- VI. 60-23316, canceled

10-12-62

Office of Technical Services

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730032-0

Angewandte Chemie

1953, Vol 65, pp 549-555 ntc 70-15381-07B

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730032-0

New Desoxy Sugars as Building Stones of Polysaccharide Symplexes of Gram-Negative Bacteria Tyvelose and Abequose, by Dr O. Westphal, Dr O. Luderitz, Dr I. Fromme, Dr H. Joseph, 9 pp.

GERMAN, per, Angew Chem, Vol LXV, 1953, pp 555-557.

NLI

Scientific - Biology

17,890

CTS/DEX

CHOICE OF SOLVENTS FOR THE DISTRIBUTION BETWEEN
TWO LIQUID PHASES, BY F. A. METZSCH.

GERMAN, PER, ANGEWANDTE CHEMIE, VOL LXV, NO 23,
1953, PP 586-598.

DEPT OF INTERIOR
AC5 E57 NO 15

SCI - CHEM

ATC 70-21008

OCT 62

213,107

Chemistry and Energetics of Plant Photosynthesis,
by H. Holzer, 43 pp.

GERMAN, per, Angew Chem, Vol LXVI, 1954, pp 65-75.

5-15
NIH Tr 502

Sci - Biol

48,024

May 57

Selective Action Through Ion Change, by R. Griessach.

GERMAN, per, Angew Chem, Vol LXVI, No 1, 1954, pp
17-27.

SLR TT-64-20493 ASLIB-GB29

Sci

Jul 59

92,594

Scheel, K. C.
RAPID DETERMINATION OF POTASSIUM IN POT-
ASH SALTS BY RADIATION MEASUREMENT. [1963]
[10]p. 13 refs.
Order from SLA \$1.10

63-14615

Trans. of Angew[andte] Chem[ie] (West Germany) 1954,
v. 66, no. 4, p. 102-106.

DESCRIPTORS: *Radiochemistry, *Potassium, Radio-
active isotopes, Measurement, Potassium compounds,
Hydroxides, Salts, Chemical analysis, Radiation
measuring devices, *Beta counters, *Nuclear in-
dustrial applications.

(Nuclear Physics and Nuclear Chemistry, TT, v. 10,
no. 4)

63-14615

I. Scheel, K. C.

Office of Technical Services

Quantitative Combustion of Organic Substances
Containing Fluorine, by R. Wickbold.
GERMAN, per, Angew. Chemie, Vol 66, No 6, 1954,
pp 173-174.
(NRC/Ref: C-4953)

Sci -
Aug 67

339,913

Oxide Systems With Interesting Electrical
and Magnetic Properties, by E. J. W. Verwey

GERMAN, no per, Angewandte Chemie, Vol LXVI,
No 7, 1954, pp 189-192.

Navy Tr 1433/NRL 589

Sci - Chemistry
Jan 57 CTS

42, 284

Conductimetric Determination of Sulphate,
by F. Spillner, U. Voight,
GERMAN, per, Angew. Chem, Vol LXVI^{no}(7), 1954,
pp 198-210. ₁₆

TPA3/TIB T4488

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Sci - Chemistry

Chemistry and Biology of Carbonic Anhydrase, by H.
Gibian, 10 pp.

GERMAN, per, Angewandte Chemie, Vol LXVI, No 9, 1954,
pp 249-258.

Navy/NRL No 850

166E

Sci - Chem
Aug 61

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The Preparation of Borosilicones, by E.
Wilberg, U. Krurke, *3 pp*

GERMAN, per, Angew Chemie, Vol LXVI,
No 12, 1954, pp 339-340.

SLA 60-16819

Sci

Feb 62

On Rauwolfia Alkaloids, by E. Schlittler, 22 pp.
~~GERMAN~~
~~German~~, per, Angew. Chemie, Vol LXVI, 1954, pp 386-
390.

S.L.A. Tr 138/1956

33,926

Scientific - Chemistry

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730032-0

Angewandte Chemie

1954, Vol 66, pp 581-586

ntc 70-14691-07B

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730032-0

Haszeldine, R. N.
RECENT CHEMISTRY OF FLUORINE; ORGANO-
METALLIC AND ORGANOMETALLOID COMPOUNDS
OF FLUORINE. [1962] 34p (fig omitted 7refs
Order from SLA \$3.60 TT-64-14685

Trans. of Angew[andte] Chemie (West Germany) 1954,
v. 66, p. 693-701.

Another trans. is available from K-H \$42.50 as
K-H-3382-c [1962] 34p.

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

TT-64-14685

L. Haszeldin, R. N.
II. Title: Organometallic ...

Office of Technical Services

Chemical Study of Lipopolysaccharides of Gram
Negative Bacteria, by O. Westphal, O. Luderitz,
40 pp.

GERMAN, per, Angew Chem, Vol LXVI, 1954, pp 407-
417.

SIA 58-175

Sci.
Jul 59

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Polyphosphoric Acid, a New Cyclization Agent in Preparative Organic ~~RESEARCH~~ Chemistry, by Dr. Fritz Uhlig, 8 pp.

GERMAN, per, ~~Angew. Chem.~~, Vol VI, No 15, 1954, pp 435, 436.

NIH

Scientific - Chemistry

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Photosynthesis of Enzymes, by Otto Warburg,
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GERMAN, per, Angewandte Chemie, Vol. LXVI, No 17/18,
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NIH

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Nov 54 CFS

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Hein, F. R. and Herzog, S.
CONTRIBUTION TO THE COORDINATION CHEM-
ISTRY OF CHROMIUM FORMATION SECTION.
[1961] 1p.
Order from SLA \$1.10

62-10416

Trans. from Angewandte Chemie (West Germany)
1954 [v. 66, no. 19].

DESCRIPTORS: *Chemistry, *Chromium, Valence,
Vanadium, Magnesium

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

62-10416

I. Hein, F. R.
II. Herzog, S.

Office of Technical Services

Determination of Chloride and Bromide in Halide
Mixtures, by C. Mahr, H. Otterbein.

GERMAN, per, Angew Chem, Vol LXVI, No 20, 1954,
pp 636-638.

C. S. I. R. C. T4469

Sci

Sub. 20-104

May 60

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Recent Chemistry of Fluorine Organometallic and
Organometalloid Compounds of Fluorine, by R. N.
Haszeldine, 34 pp.

GERMAN, per, Angew Chem, Vol LXVI, 21 Nov 1954,
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S.L.A. Tr No 1860

Sci - Chemistry, inorganic
Apr 57

K-H 3322
46, 869

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

GERMAN, per, Angew Chem, Vol LXVI, No 22, 1954,
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AEC Tr-4756

Sci
Sep 61

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by H. Schmidt, J. Staudinger, 4 pp.

GERMAN, per, Angew. Chem., ² ~~18~~ 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
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NCH

Scientific - Medicine
CTS 70/Jul 55

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

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1954, pp 776-780.

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Sci - Med

May 57

~~37,500~~ 37,600

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)

60-23430

- 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. LXXII,
No 1, 1955, pp 13-16.

A.E.R.E. Karwell
Tr 530

Sci - Chemistry, electrochemistry

Apr 56 32,932

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

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

SLA 58-385

Sci

Aug 59

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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.

SLA 3307

Sci - Chem
Aug 58

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Preventives of Aging and Their Effects on the
Oxidation of Rubber and Vulcanized Rubber, by
P. Schneider, A. G. Bayer, 32 pp.

GERMAN, per, Angew Chem, Vol LXVII, No 2, 1955,
pp 61-68.

SLA 60-18921

Sci
Jul 62

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Vol 4, No 12

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)

60-23434

I. Wolff, R.

II. TVA-3436

III. Tennessee Valley
Authority, Wilson Dam,
Ala.

5-16-57

Office of Technical Services

60-23428

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

Trans. of Angew[andte] Chemie] (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, $\text{Me}_n^I \left[\text{P}_n\text{O}_{3n} \right]$, polyphos-
phates, $\text{Me}_n^I \cdot 2 \left[\text{P}_n\text{O}_{3n+1} \right]$ or $\text{Me}_n^I \left[\left(\text{H}_2\text{P}_n \right)_{n+1} \right]$,
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. 5, no. 5) (over)

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

5-10-52

Office of Technical Services

Problems and Method of Trace Enrichment, by
H. Specker, H. Hartkamp, 15 pp.

GERMAN, per, Angeordnete Chemie, Vol LXVII, No 6,
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A.E.R.E. Harwell Lib Tr 690

Sci - Chemistry

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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.
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Sci - Physics, Chemistry

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(331.20)

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

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

ATS-24L34G

ATS-2036J

Sci
Mar 60
Vol 2, No 11

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

Abstract, per, Angewandte Chemie, Vol. LXVII, No. 8,
1955, pp 217-221.

SLA 60-10537

Sci
Jan 60
Vol III, No 5

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