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JRS 13987

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Self-regulation of Higher Nervous Activity,
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AEC Tr-4025

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Problems of the Technology of High-Output A. C.
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JPRS 16358

Ebar - Czech
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The Influence of Heparin on the Hypocholesteremic
Action of Nicotinic Acid, by O. Kraupp, E.
Schnetz, 19 pp.

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Experimentelle Pathologie und Pharmakologie,
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SIA 59-15489

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A 19 pp.

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COEFFICIENT OF COMPENSATED INHOMO-
GENEITIES IN COAXIAL LINES AND THE
OPTIMUM DESIGN OBTAINED ON THE BASIS OF
THESE DATA. [Apr 64] 11p
Order from ATS \$12.50 ATS-48R75G

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TT-64-22065

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II. ATS-48R75G
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Construction of the Orlik Hydraulic Develop-
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Jul 65

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ESTC 361-705-392

I-7651

ID 2204039465

Ivan Kraus

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Collisions of Slow Negative Ions with Charge
Transfer, by K. Kraus, W. Muller-Daysing.
GERMAN, per, Zeitschrift für Naturforschung,
Vol 16A, 1961, pp 1385-1387.
Tr No 28, Nov 1968
AIR/AFCL/68-0580

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Sci-Phys
Feb 69

373.724

63-18854

Kraus, M., Kochloefl, K., Setinek, K., Beranek, L.,
and Houda, M.

**THE COURSE OF REARRANGEMENT OF POTASSIUM
PHTHALATE INTO POTASSIUM TEREPHTHALATE.**

[1963] 20p (tables refs omitted)

Order from SLA \$1.60

63-18854

Trans. of Chemicky Prumysl (Czechoslovakia) 1962,
v. 12(37) no. 10, p. 529-534.

DESCRIPTORS: *Potassium compounds, *Phthalates,
Chemical reactions, Benzene derivatives, Carboxylic
acids, Salts, Decomposition, Reaction kinetics,
*Polyester plastics, Production.

The rearrangement of potassium phthalate into potas-
sium terephthalate is of industrial interest because it
represents an alternate method to oxidation of p-xylene
commonplace until now. The chemistry of this reaction
(Chemistry--Organic, TT, v. 10, no. 11) (over)

1. Title: Potassium
terephthalate

I. Kraus, M.

II. Kochloefl, K.

III. Setinek, K.

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V. Houda, M.

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Full translation.

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W Europe - Geographic - Maps, Cartography

Germany

CIA 733083

A6137

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THE BEHAVIOUR OF ALKYD RESINS IN CELLULOSE
LACQUERS. 27 Feb 63.
Order from TTIS \$9.00

TTIS-2437

Trans. of Farbe u[nd] Lack (West Germany) 1962,
v. 68, p. 847-848.

DESCRIPTORS: Behavior, *Alkyd resins, *Cellulose,
*Varnishes.

I. Kraus, A.
II. TTIS-2437
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120712

(Materials--Finishes, TT. v. 9, no. 10)

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[1963].
Order from TTIS \$22.00

TTIS NS-102

Trans. of Farbe und Lack (West Germany) 1963,
v. 69 [no. 3] p. 171-174.

DESCRIPTORS: *Varnishes, *Nitrocellulose, *Acids,
*Aging (Materials)

(Materials--Finishes, TT, v. 10, no. 5)

63-17620

I. Kraus, A.
II. TTIS-NS-102
III. Translation and
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Measured Curves of the Reflection Coefficient for
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Sci - Physics

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The Solvent Power of Various Plasticizers for
Nitrocellulose of Varying N₂ Content, 1959, 2 p.
by Alfred Kraus,

GERMAN, per, Farbe und Lack, 1940, Vol XLVI,
No 38, pp 333-334.

SLA 59-20231

Sci
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Vol 2, No 11

109,621

Kraus, Alfred].

NEW PLASTICIZERS. Rept. no. 38 of Information on Plasticizers for Nitrocellulose Lacquers. [1962] 11p. Order from SLA \$1.60 62-16290

Trans. of article from an unidentified source, n. d.

DESCRIPTORS: *Plasticizers, *Nitrocellulose, *Varnishes, Behavior.

The behavior of four plasticizers which recently appeared on the market (tris(1-bromopropyl)phosphate, dibutylfumarate, dioctylfumarate and dimethylitaconate) in nitrocellulose lacquers is described. These plasticizers have a high solvent power with respect to cotton and a high stability with respect to light with minimum fading in films. (Author)

(Materials--Plastics, TT, v. 9, no. 2)

62-16290

I. Kraus, A.
II. Title: Information . . .
III. Title: Plasticizers . . .

Office of Technical Services

62-26985

Krause, A. and Kotkovski, E.
ETUDE DE L'ACTIVITÉ ET APPRECIATION D'UN
CATALYSEUR INDUSTRIEL UTILISÉ À LA CONVER-
SION DU MÉTHANE (Badanie aktywności i ocena
katalizatora przemysłowego stosowanego do konwersji
metanu) (Activity and Evaluation of the Technical Cata-
lyst Used in the Conversion of Methane). 23p 7 refs
Order from OTS, ETC or CNRS \$0.89 62-26985

Trans. in French of Przemysl Chemiczny (Poland)
1958, v.[14] (37) p. 511-515.

DESCRIPTORS: Catalysts, *Methanes, Transformations,
*Nickel catalysts, *Magnesium catalysts, Formic
acids, Hydrogen compounds, Peroxides, Measurement,
Oxides.

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

I. Krause, A.
II. Kotkovski, E.
III. Centre National de la
Recherche Scientifique

Office of Technical Services

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Plasticizers for Nitrocellulose Lacquers. [1962] 11p.
Order from SLA \$1.60 62-16290

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lodion cotton and a high stability with respect to light
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(Materials--Plastics, TT, v. 9, no. 2)

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II. Title: Information . . .
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The Snout and Stinging Act of the *Rhodnius*
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GERMAN, per, *Acta Tropica*, Vol IX, No 3,
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NIH 7-626-63

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Sep 63

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in Coaxial Lines and the Optimum Design Obtained
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GERMAN, *proc. Radio und Schwing. Mitt.*, 1960, No 24,
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NSA TR-64-16961
ATB-48756

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Sci - Rty

June 67

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SLA 57-1216

Scientific - Engineering

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ENES. [1962] 2p.
Order from SLA \$1.10 62-10570

Trans. of mono. from an unidentified source, n. p.,
n. d.

DESCRIPTORS: *Polymers, Elastomers, Butyl rubber,
*Pentadienes, *Butadienes.

The present investigation deals with differences in the characteristics due to smaller structure features, as, for example, the molecular-weight distribution, the steric uniformity of the molecules and the arrangement of the cis-, trans and vinyl-units on the polymeric chain. These factors lead to polymers which differ from each other in various respects, especially in their tendency to crystallization. With vulcanized cis-polybutadi- (Materials--Elastomers, TT, v. 8, no. 7) (over)

62-10570

I. Kraus, G.
II. Short, J. N.

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A 6138

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Sci - Engr
Oct 63

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Welding of Polyethylene Jackets for Communications
Cables, by Edid Kraus, Gsp
IRESSA, par. Science Tech, Vol 35, 1961, No 4,
pp 251-252
SIA 72-65-10037

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Sci - Mech, Fabri and
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June 67

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6 Jul 1960, pp 567-569.

JPRS 8210

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(Conference on Single Crystals) (no. 3) Prague, 1960.
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DESCRIPTORS: *Oscillation, *Rings, *Quartz
crystals, Piezoelectric crystals, *Crystal oscillators.

Quartz ring oscillations were studied in connection with
research on exact piezoelectric standards. Particular
attention was devoted to classification of the oscillations
and correlation with theoretical results. The total
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These produced clearly defined nodes. (SIC abstract)

(Physics--Solid State, TT, v. 11, no. 1)

TT-63-22248

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II. Title: Conference . . .
III. Scientific Information
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Transfer, by K. Kraus

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On the Reaction of Thiocyanic Acid with
Cyanic Acid and On Carbonyl Acid Isothiocyanate,
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SLA TT 64-28026

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Contribution to the Interpretation of
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NCH-202 250

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INTERMEDIATE OXIDATION STAGES AS CATALYSTS IN
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Order from ICH: \$19.00 as ICH-8626

Trans. of Kunststoff-Rundschau (West Germany) v6 p139-41
1959,
Other trans. are available from SLA \$1.10 as TT-65-10095,
10p and as TT-63-10579, 9p,

I. International Information
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Construction Problems and Experiences with the
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pp 119-126.

BIA 57-2811

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Czech, bk, Soc & Milia, 1966,
pp 435-445

JPRS 600 10 12985

Ota Kraus

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A Genetic Effect in Nature From the Radioactivity
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GERMAN, per, Natur und Volk, Vol LXXXVII, No 11,
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AEC Tr 319*

Sci - Biol

May 58

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ON THE ACETONE CONTENT OF DISSOLVED
ACETYLENE GAS. [1962] [7] p. 7 refs.
Order from SLA \$1.10 62-14412

Trans. of Angewandte Chemie (Germany) 1934, v. 47
[no. 13] p. 200-202.

DESCRIPTORS: Acetones, Determination, Acetylenes.

(Unannounced)

62-14412

I. Kraus, R.
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LONG-RANGE OUTLOOK IN THE DEVELOPMENT OF SEED
CULTURE IN POLAND, BY T. KRUS, 9 PP.

CZECH, PER, MEZINARODNI ZEMEDLSKY CASOPIS,
NO 6, DEC 1962, PP 27-39.

JPRS 17834

EUR - POLAND
ECON
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(NY-6507/2)

Plant Breeding and Seed Production Law, by
T. Kraus, 3 pp.

POLISH, per, Nowe Rolnictwo, Vol X, No 5,
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JPRS 9966

EEur - Poland

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Sep 61

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Rapid Determination of Oxygen in Steel by a
High-Vacuum Fusion Procedure, by T. Kraus.

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No 8, 1962, pp 527-531.

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Jan 63

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T. Kreis, 13 pp.

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REF
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Development of a Method for the Rapid Determination
of the Nitrogen Content of Steels by the Vacuum Melting
Technique Under Special Consideration of the
Metallurgical Processes Taking Place during De-
gasification of Carbon-Saturated Iron Melts. by A
Gerhardt T. Kraus H.G. Froberg.
GERMAN per Gleitsch Techn-wissch. Beihft
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Interpretation of the Cryotrapping Effect, by
Th. Kraus.

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NASA TT F-12,860

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New Method for the Rapid Determination of
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Temper brittleness of Structural Steels,
by V. Kraus.
CERNAN, per, Harterei-Techn. Mitt.,
Vol 19, Apr 1964, pp 1-10.
SISI 4185

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Temper Brittleness of Structural Steels, by V.
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pp 1-10
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Sci -
Aug 67

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Crushing and Grinding, by W. Kraus, G. Gundersen. 80
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(SAS 1307)
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314,375

Sci - Mechanical, Industrial,
Civil, and Marine Engineering
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Kraus, W. and Giersiepen, G.
TECHNICAL INFORMATION ON THE SAND
GRINDER. [1961] 11p. (13 figs. omitted).
Order from SLA \$1.60

62-10030

Trans. of Farbe und Lack (West Germany) 1961, v. 67,
no. 5, p. 302-306.

DESCRIPTORS: *Ball mills, *Sand, *Grinders.

The sand grinder is a new type of mill particularly for
the wet-grinding of pigments. Agglomerates up to a
size of about 70 μ are well disintegrated. Quartz sand
is used as the grinding charge which moves, together
with the mill-base, by means of an agitator consisting
of smooth, circular discs arranged in tiers. Shearing
forces occur on account of the different speed in be-
tween the sand layers situated in the separate tiers
and these effect the pulverization. It can be said that
(Machinery, Fabrications and Accessory Equipment,
TT, v. 7, no. 5) (over)

62-10030

I. Kraus, W.
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194935

Office of Technical Services

Detection of fishy odor in fabrics finished with
carbamide resins, by W. Kraus. UNCLASSIFIED

GERMAN, Textil Rundschau, 1950, pp 395 - 399. .

OQMGTr
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WE - Economic

Nov 1951 CTS

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Kraus, W. and Giersiepen, G.
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Order from SLA \$1.60

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no. 5, p. 302-306.

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and these effect the pulverization. It can be said that
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**Hydroxide Gels and Hydrated Oxide Gels, and Their
Amphoteric Properties. 22. Amorphous and Crystallized
Oxide Hydrates and Oxides by A. Krause.**

**GERMAN, per, Kolloid-Zeitschrift, Vol LXXII, No 1,
1935, pp 18-25.**

CSIRO Tr 4215

Oct. 62

The Stabilisation of Hydrogen Solutions by
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B. Borkowski

POLJHH, no per, Przemysl Chem, Vol I, 1954,
pp 392-396.

Assoc Tech Sv PJ-476
\$10.20

Sci - Chem
Jan 57 CTS

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SLA-ATS (PJ-476)

Structure and Catalytic Properties of
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POLISH, pr, Roczn Chem, Vol XXXI, 1957,
pp 1137-1144.

RAE 797

Sci - Chem
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A. KRAUSE

The Expedition of the Bremer Geographische Gesellschaft
to the Chukchi Peninsula and Alaska, by A. Krause.

GERMAN, per, Deutsche Geographische Blaetter, Vol 5,
No 4, 1882, pp 308-312.

*NTIS TT 73-53020

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SUR LE MÉCANISME DE L'EMPOISONNEMENT ET DE
LA RÉGÉNÉRATION DU CATALYSATEUR V_2O_5 DANS
LE PROCÉDÉ DE CONTACT (Mechanism of Poisoning
and Regeneration of the Contact Vanadium Pentoxide
Catalyst). 4p. 4refs. CNRS-VIII bis 703.
Order from ETC, OTS or CNRS \$0.75 TT-62-26385

Trans. in French of *Roczniki Chemii* (Poland) 1960,
v.34, no.6, p.1825-1828.

DESCRIPTORS: *Vanadium compounds, Oxides, *Cata-
lysts.

(Chemistry, TT, v. 11, no. 7)

TT-62-26385

I. Krause, A.
II. CNRS-VIII bis 703
III. Centre National de la Recher-
che Scientifique, Paris

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European Translations Centre

63-17342

Krause, A., Wolski, W., and Krylnski, K.
CATALYTIC OXIDATION OF ARSENIC IN THE
PRESENCE OF $\text{Cu}(\text{OH})_2$ AS A CATALYST AND THE
ACTIVATION OF THE CATALYST. [1963] 7p.
Order from ATS \$11.50 ATS-02Q68P

Trans. of Roczniki Chem[ist] (Poland) 1957, v. 31,
no. 3, p. 793-800.

DESCRIPTORS: *Catalysts, *Arsenic, Oxidation,
Catalysis, *Copper compounds, *Hydroxides.

(Chemistry--Physical, TT, v. 10, no. 6)

I. Krause, A.
II. Wolski, W.
III. Krylnski, K.
IV. ATS-02Q68P
V. Associated Technical
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Chemistry of Ferromagnetic Iron Oxides,
by Alfons Krause, 7 pp.

POLISH, per, Przemysl Chemiczny, Vol XXXVIII,
No 10, 1958, pp 637-639.

Navy Tr 2405/NRL 767
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SLA TT 64-14952

Alfons Krause

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FDD/X-3409

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Krause, Alfons and Niklewski, B., Jr.
RETARDING AGENTS WHICH HINDER THE AGING
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CALLY AMORPHOUS FERRIC HYDROXIDE GEL.
AMORPHOUS AND CRYSTALLINE OXY-HYDRATES
AND OXIDE. Communication 38. [1961] 8p. (1 ref.
omitted) 21 refs.
Order from SLA \$1.10 62-10580

I. Krause, A.
II. Niklewski, B., Jr.

Trans. of an unidentified mono. pub. by Institute
for Inorganic Chemistry of Posen U. Poland, 1938 (?).

DESCRIPTORS: Inhibition, Aging, Dehydration,
Radiochemistry, Iron compounds, Hydroxides, Gels,
Crystals, Hydrates, Oxides.

(Unannounced)

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Navy Tr 1918/NRL 690

Sci - Chem
Dec 58

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FTD-TT-64-451

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PP 217-218.

JPRS 1634

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The Basal Motor Function of the Brain Cortex During
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SLA 59-20701

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Order from SLA \$1.60

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DESCRIPTORS: *Borines, Phenyl radicals, Alkali
metal compounds, *Sodium compounds, Synthesis
(Chemistry), Purification.

(Chemistry--Organic, TT. v. 10, no. 6)

63-16027

I. Title: Triphenylborines
I. Titles: Triphenyl boryl
sodium
I. Krause, E.
H. Polack, H.

1244551

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THE CHEMISTRY OF THE METAL-ORGANIC COM-
POUNDS: LEAD. [1963] [63]p. 178 refs.
Order from SLA \$6.60

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Trans. of mono. Die Chemie der Metall-Organischen
Verbindungen [Berlin, 1937] p. 372-427.

DESCRIPTORS: *Metalorganic compounds, *Lead com-
pounds, *Alkyl radicals, Cyclohexanes, *Aryl radicals,
*Phenyl radicals, *Nitrolysis, *Halides, *Methanes,
Fatty acids, Chemical properties, Physical properties,
Chemical reactions.

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

63-16020

I. Krause, E.
II. Grosse, A. von
III. Title: Lead

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Orthophosphate and Phosphocreatine Content of
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NIH 10-1-61

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(SF-1855)

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5 pp.

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JPRS 13137

EBor - Germany
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Studies on Salts of Oxytrimethylene-
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Hugo Krause

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May 69

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New Method of Temperature Regulation and of Temperature Variation of Biological Test Baths, by R. Kaufmann, H. Krause.

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H. KRAUSE

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H. Krause

Sci-Chem
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ACSI 1-1374-A
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SCI-ELECTRON, ENGR
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THE SECULAR AND PERIODIC PERTURBATIONS OF
THE ORBIT OF AN ARTIFICIAL EARTH SATEL-
LITE, tr. by Seymour Nelson. [1960] [60]p. 25 refs.
Order from OTS or SLA \$5.60 60-17358

Trans. of mono. International Astronautic Congress
(no. 7) [held at] Rome, 17-22 Sep 56. [Proceedings,
p. 523-585].

DESCRIPTORS: Perturbation theory. *Orbital flight
paths. Satellite vehicle trajectories. *Satellite ve-
hicles. Artificial planetoids. Earth. Gravity. Sun.
Moon. Motion. Atmosphere. Life expectancy. Velocity.
Numerical analysis. Bessel functions.

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(Engineering--Satellite Vehicles, TT, v. 7, no. 6)
(over)

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Ala.

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CSIRO Tr-4772

EEur - Germany

Econ

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TT-64-10567

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MANUFACTURING OF OPTICAL AND TECHNICAL
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Herstellung Optischer und Technischer Gläser). [1963]
[12p] (foreign text included)
Order from SLA \$1.60

TT-64-10567

Trans. of Silikat Technik (East Germany) 1959, v. 10,
no. 8, p. 401-404.

DESCRIPTORS: *Glass, *Optical glass, Production,
Quality control, Deformation, Crystal structure,
Sodium compounds, Sulfates, Arsenic compounds,
Oxides.

(Materials--Ceramics, TT, v. 11, no. 9)

I. Krause, H.
II. Vogel, W.
III. Wessel, H.

Office of Technical Services

TT-65-14006

Field 7C

Krause, H. W.

ORGANIC CATALYSIS, LXV. CHELATE CATALYSIS.

XII. 6p (figs omitted) 15refs.

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I, Title: Chelate ...

MR 670