

Separation of Rare Earth Elements from Materials
Containing Iron, Calcium, and Phosphate, by
Y. V. Zaikovskiy, E. V. Furbova, 5 pp.

RUSSIAN, per, Zhur K Anal Khim, Vol XVII,
No 2, 1962, pp 202-205.

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Jan 63

220,556

The Present State of the So-Called District
Factories in the Rumanian People's Republic,
Compared to the World's Technical Level,
by H. Martinescu, 7 pp.

ROMANIA, per, Energetica, Vol XI, pp 7;
1968, no 106, 107, 108. (Call no 106),
Vol XI, no 7, Eng 21)

Army Map Service

HEUR - Romania
Recd
Jan 64

248,629

THE ROLE OF MATERIAL INTEREST IN THE BUILDING
OF SOCIALISM, BY DYANKO FURTUNOV, 7 PP.

BULGARIAN, PER, NARUCHNIK NA AGITATORA,
NO 35-36, SEP 1962, PP 51-63.

JPRS 17237

EEUR - BULGARIA
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JAN 63

220,413

(DC-5891)

A New Stage in the Development of the World
Socialist System and Its Significance, by
Dyanko Furtunov, 17 pp.

BULGARIAN, per, Novo Vreme, No 4, 1961,
pp 36-49.

JFB

EEur - Soviet Bloc
Pol
Jul. 61

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On the Analysis and Interpretation of Foil Data,
by Michio Furukashi, 36 pp.

JAPANESE, from, Nippon Genshiryoki Gakkaishi, Vol. IV,
No. 11, 1962, pp. 197-207. 9230792

AEC-Tr-6065

Sci - Nucl. Ser.
Jan 64

248, 567

11 903

US-3

FURUHATA TUNEO

New automatic data processing machine, MERIAC-1-F

Kisho To Tokei, 10, No. 1, 23-31 (1950)

Trans. No. 703. \$ 0.75, 60-21726 - English

E u r a t o m

OTS 60-21726

TT-65-62892

Field 11J

Furukawa, J.; Tsuruda, T.; Mitsue, T.; Kakogawa, G.
A NEW PROCESS FOR POLYMERIZING PROPYLENE OXIDE
USING A MIXED CATALYST OF ORGANOMETALLIC COM-
POUND AND SOLID ACIDIC OXIDES. 11 Jun 65, 10p.
Order from CFSTI, SLA, or ETC: HC\$1.10, MF\$0.50 as
TT-65-62892

Trans. of Patent (Japan) pub. 35-21044.
Patent pub. 1 Nov 61, filed 26 Jul 58, application no.
33-21032, by Saidinjojin Nihon Kagaku-Seni Kenkyusho.

TT-65-14157

Field 111

Ehrikawa, J.; Tsuruta, T.; Fujita, Y.; Kanasak, A.
POLYMERIZATION OF VINYL CHLORIDE WITH
ORGANOMETALLIC COMPOUNDS. 32p, 23refs.
Order from SLA: \$3.60 as TT-65-14157

Trans. of Kogyo Kagaku Zasshi (Japan) v63 n4 p645-52
1960.

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MR 674

65-12948

Furukawa, Junju, Tsuruta, Teiji and others.
POLYMERIZATION OF VINYL CHLORIDE CATA-
LYZED BY METAL ORGANIC COMPOUNDS. [1962]

23p.

Order from K-H \$28.75

K-H 11796 a

SLA TT-65-13997

Trans. of Kogyo Kagaku Zasshi (Japan) 1958, v. 61,
no. 10, p. 1362-1366.

DESCRIPTORS: *Polymerization, Vinyl chlorides,
*Catalysis, *Metalorganic compounds, *Polyvinyl
chloride.

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

- I. Furukawa, J.
- II. Tsuruta, T.
- III. K-H-11796-a
- IV. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

62-34484

~~Furukawa Junji, Tsuruta, Teiju and others.~~
A PROCESS OF POLYMERIZATION OF ALKYLENE
OXIDE WHEREIN THE REACTION PRODUCT OF
ZINC DIALKYL WITH WATER IS USED AS A
CATALYST. Sep 62, 5p.
Order from SA \$15.00 SA Code-P2

I. Furukawa, J.
II. Tsuruta, T.
III. Patent (Japan) pub. 35-3394
IV. SA Code-P2
V. Seizaburo Aoki (Japan)

Trans. of [published] Japanese patent 3394/1961.
18 Apr 61, cl. 25 C O (13 F 1) appl. no. 33458/1956.
24 Nov 55, 91 Institute of Japanese Chemical Fiber
Research.

DESCRIPTORS: *Ethylenes, *Oxides, *Polymerization,
*Zinc compounds, Metalorganic compounds, Alkyl
radicals, Water, Catalysts, Catalysis.

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

222, 236

Office of Technical Services

TT-65-14080

Field 7C

Furukawa, J.; Tsuruta, T.; Ito, K.; Kashiuchi, I.;
Kawasaki, A.

VINYL POLYMERIZATION WITH ORGANIC LITHIUM
COMPOUNDS. 23p, 19refs.

Order from SLA: \$4.60 as TT-65-14080

Trans. of Kogyo Kagaku Zasshi (Japan) v63 n4 p640-5 1960.

MF 672

NCH-200 948

Field 7C

Furukawa, J.; Tsuruta, T.; Shiotani, S.; Kawasaki, A.
POLYMERIZATION OF VINYL CHLORIDE WITH THE
USE OF ORGANOMETALLIC COMPOUNDS AS
INITIATORS. Rept. no. 9 of Studies of Polymerization
Reaction with Organometallic Compounds.
28 Apr 65, 44p, 10 refs. SA-KKZ-62-2-1.
Order from SA: \$31.00 as KKZ-62-2-1

Trans. of Kogyo Kagaku Zasshi (Japan) v62 n2 p268-73
1959.

I. Seizaburo Aoki,
Fujisawa (Japan)

Furukawa, Junji, Tsuruta, Teiji and others.
A NEW PROCESS OF POLYMERIZATION OF
ETHYLENE OXIDE WHEREIN THE REACTION
MIXTURE OF ORGANO-ZINC COMPOUND WITH
SOLID ACID IS USED AS A CATALYST. Sep 62,
5p
Order from SA \$15.00 SA Code-P3

Trans. of [published] Japanese patent 13446/1961,
15 Aug 61, cl. 26 C O (13 P 1) appl. no. 28286/1958,
4 Oct 55, by Institute of Japanese Chemical Fiber
Research.

DESCRIPTORS: *Ethylene, *Oxide, *Polymeriza-
tion, *Zinc compounds, Metalorganic compounds,
Acids, Aluminum compounds, Alumina-silica
catalysts, Catalysts, Catalysis.

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

62-34483

- I. Furukawa, J.
- II. Tsuruta, T.
- III. Patent (Japan) pub. 36-13446
- IV. SA Code-P3
- V. Seizaburo Aoki (Japan)

22, 235

Office of Technical Services

The Characteristics of Fluidised Particles. V.
Methods of Controlling the Distribution of
Particles and Bulk Density in Fluidised Beds, by
T. Omas, J. Furukawa, 15 pp.

JAPANESE, per, Kogyo Kagaku Zasshi, Vol LVI,
1953, pp 824-826.

AEC NP Tr-444

Sci - Phys

Oct 60

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Characteristics of Fluidized Particles. Part VI
Expansion of Fluidized Beds of Flowing Gases, by
J. Furukawa, T. Oume, 9 pp.

JAPANESE, per, J. Chem Soc Japan Ind Chem Sect,
Vol LV, No 1, 1952, pp 3-6.

SLA Tr 57-2682

Sci
Aug 58

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The Characteristics of Fluidised Particles.
IV. Particle Distribution in Fluidised Beds,
by T. Omae, J. Furukawa, 24 pp.

JAPANESE, per, Kogyo Kagaku Zasshi, Vol LVI,
1953, pp 727-731.

AEC NP TR-438

Sci - Nuc Phys
Aug 60

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Characteristics of Fluidized Particles. Part I.
On the Viscosity of Fluidized θ Powers, by J.
Furukawa, T. Omasa, 5 pp.

JAPANESE, per, J. Chem Soc Japan Ind Chem Sect,
Vol LIV, 1951, pp 798-800.

SLA Tr 57-2684

Sci
Aug 58

AT 57-1487

68,237

Furukawa, Junji, Tsuruta, Teiji, and Morimoto,
Kazuhisa.

NEW METHOD FOR POLYMERIZATION OF VINYL
COMPOUND. July 63, 5p. 5 refs.
Order from SA \$16.00 SA Code-P-171

Trans. of published Japanese patent 3289/1962,
cl. 26-B-012 (26-B-121) (26-B-151) (26-B-211) appl.
no. 8037/1957 filed 2 Apr 57, pub. 1 June 62, Nihon
Kagaku Sen'i Kenkyujo.

DESCRIPTORS: *Vinyl plastics, *Styrenes,
*Butadienes, *Acrylonitriles, Polymerization,
Metalorganic compounds, *Catalysts, *Sodium com-
pounds, Alkyl radicals, *Titanium compounds,
Alkoxides.

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

63-22289

- I. Furukawa, J.
- II. Tsuruta, T.
- III. Morimoto, K.
- IV. Patent (Japan) pub.
37-3289
- V. SA Code-P-171
- VI. Seizaburo Aoki (Japan)

Office of Technical Services

63-17954

Furukawa, Junji, Tsuruta, Teiji, and Nakayama, Yukio.

NEW METHOD OF POLYMERIZING METHYL METHACRYLATE BY A MIXED CATALYST CONSISTING OF A HYDRIDE OF AN ALKALI METAL AND AN ORGANOMETALLIC COMPOUND. July 63, Sp.

Order from SA \$16.00

SA Code-P-121

Trans. of published Japanese patent 14641/1962, cl. 26-B-151 (13-F-1) appl. no. 21589/1960 filed 21 Apr 60, pub. 20 Sep 62, by Nippon Chemical Fiber Research Institute, Inc.

DESCRIPTORS: *Acrylic resins, Production, Acrylates, Methyl radicals, Polymerization, Catalysts, Metalorganic compounds, *Ziegler catalysts, Alkali metal compounds, *Sodium compounds, *Lithium compounds, Hydrides, Group II elements, Group III elements (Materials--Plastics, TT, v. 10, no. 6) (over)

- I. Title: Methyl methacrylate
- I. Furukawa, J.
- II. Tsuruta, T.
- III. Nakayama, Y.
- IV. Patent (Japan)
pub. 37-14 641
- V. SA Code-P-121
- VI. Seizaburo Aoki (Japan)

44689

Office of Technical Services

Furukawa, Junji, Saegusa, Takeo, Tsuruta, Teiji,
and Fujii, Hiroyasu.

NEW METHOD OF POLYMERIZING ALDEHYDE.

Mar 64, 14p

Order from SA \$16.00

SA Code-P-271

Trans. in manuscript of published Japanese patent
18644/1962, cl. 26-C-118 (13-F-151) appl. 39108/1959,
23 Dec 59, pub. 10 Dec 62, by Foundation Juridical
Person of Japan Chemical Fiber Research Institute,
Kyoto Univ. (Abstract available)

DESCRIPTORS: *Acetyl plastics, *Aldehydes,
Polymerization, *Catalysts, *Metalorganic compounds.

The invention relates to a method of high polymerization
of aldehyde characterized by polymerizing aldehyde ex-
pressed with the general formula RCHO (where R indi-
cates aliphatic and aromatic hydrocarbon residues other
(Materials--Plastics, TT, v. 11, no. 11) (over)

TT-64-12652

- I. Furukawa, J.
- II. Saegusa, T.
- III. Tsuruta, T.
- IV. Fujii, H.
- V. Patent (Japan)
pub. 37-18644
- VI. SA-Code-P-271
- VII. Seizaburo Aoki,
Fujinawa (Japan)

1280894

Office of Technical Services

NCH-200 955
 I. Furukawa, J.
 II. Tsuruta, T.
 III. Saegusa, T.
 IV. Sakata, H.
 V. Kakogawa, G.
 VI. SA-KKZ-62-9-1
 VII. Seizaburo Aoki,
 Fujisawa (Japan)

Trans. of Kogyo Kagaku Zasshi (Japan) v12 n9 p1269-73
 1969.

Furukawa, J.; Tsuruta, T.; Saegusa, T.; Sakata, H.;
 Kakogawa, G.
 HIGH POLYMERIZATION OF ALKYLENE OXIDE.
 29 Apr 69, 22p (2 figs omitted) Zoteis.
 SA-KKZ-62-9-1.
 Order from SA: \$28.00 as SA-KKZ-62-9-1.

NCH-200 955
 Field III

Office of Technical Services

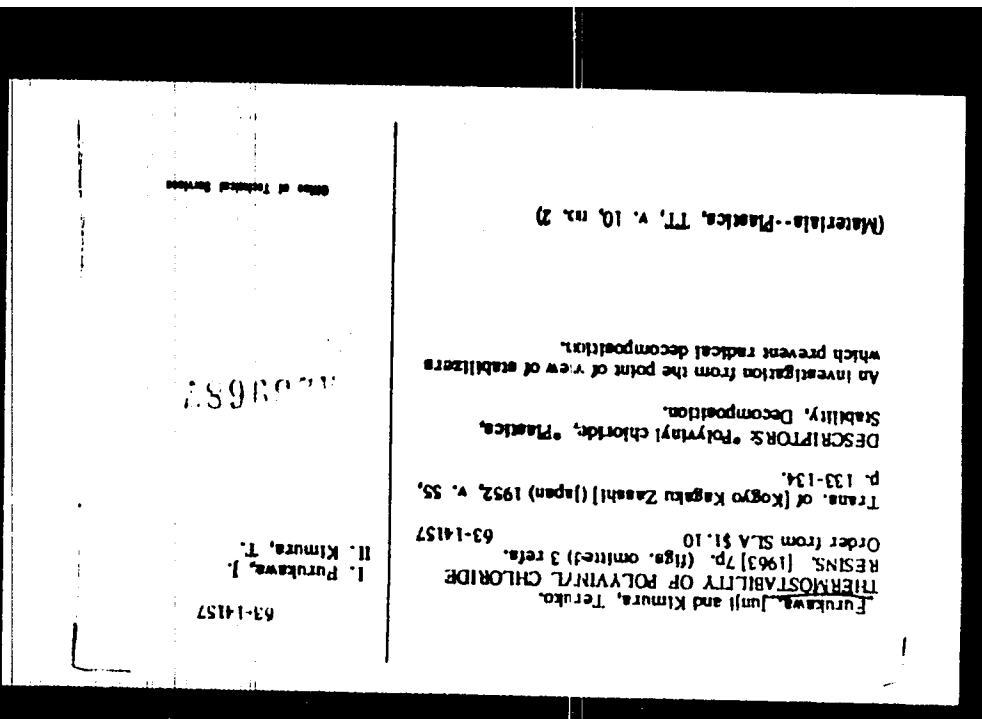
(Materials--Plastics, TT, v. 10, no. 6)

elements, Halides.
 •Cadmium compounds, Alkyl radicals, Transition
 Metalorganic compounds, •Ziegler catalysts,
 resins, •Acrylonitriles, Polymerization, Catalysts,
 radicals, Alkoxy radicals, Nitrites, Esters, •Acrylic
 DESCRIPTORS: •Vinyl plastics, Production, Vinyl
 Fiber Research Institute, Inc.
 filed 19 Jan 60, pub. 20 Sep 62, by Nippon Chemical
 26-B-1 (26-B-131) (26-B-151) appl. no. 1186/1960,
 Trans. of published Japanese patent 14634/1962, cl.
 Order from SA \$16.00 SA Code-P-120

5p.
 AND A TRANSITION METAL COMPOUND, July 63,
 BY A MIXED CATALYST OF DIALKYL CADMIUM
 METHOD OF POLYMERIZING VINYL COMPOUNDS
 Furukawa, Junji, Tsurum, Teiji and others.

63-17553

I. Title: Methyl methacrylate
 II. Tsurum, T.
 III. Patent (Japan)
 IV. SA Code-P-120 pub. 37-14634
 V. Seizaburo Aoki (Japan)



Office of Technical Services

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

A new method is given for synthesizing of n-vinyl sulfonic amide, utilizing the reaction between n-alkyl sulfonic amide and vinyl ether.

DESCRIPTION: Sulfonamides, Amides, Vinyl radicals, Synthesis, Toluene, Methyl radicals, Alkyl radicals, Buyl radicals, Ethers, Chemical reactions, Toluene sulfonamide

Trans. of [Kogyo Kagaku Zasshi] (Japan) 1956, v. 59, p. 1230.

Order from SLA \$1.10

Meeting (no. 9) 3 Apr 56, [1961] 5p

AMIDE. Speech at the Japan Chemical Society Lecture

Purukawa, Junji, Ohnishi, Akira, and Tsuruta,

62-10378

- I. Purukawa, J.
- II. Ohnishi, A.
- III. Tsuruta, T.
- IV. Title: Japan...

201538

<p>Office of Technical Services</p> <p>901258</p> <p>62-12170</p> <p>I. Furukawa, J. II. Tsuruta, T. III. Patent (Japan) pub. 36-787 IV. Seizaburo Aoki (Japan)</p>	<p>62-12170</p> <p>Order from SA \$45.00</p> <p>Sp. 10 refs.</p> <p>COMPOUND AND SILICA-ALUMINA-TITANIA, 1961, BY THE MIXED CATALYST OF ORGANOMETALLIC PROCESS FOR POLYMERIZATION OF α-OLIFINS Furukawa, Junji, Tsuruta, Teiji and others.</p> <p>Trans. of published Japanese patent SHO 36-787, appl. no. SHO 34-213, by Japan Chemical Fiber Institute and Bridgestone Tire Co., Inc., appl. 10 Jan 58, pub. 17 Feb 61.</p> <p>DESCRIPTIONS: Metalorganic compounds, Polymer- zation, Ethylenes, Processing, Alumina-silica catalysts, Titanium compounds, Oxides, Chemical reactions, Mixtures, Silicon compounds, Catalysts</p> <p>This invention relates to a method of polymerizing α-olefine such as ethylene, propylene, 1-butene by (Chemistry--Organic, TT, v. 7, no. 8) (over)</p>
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<p>Office of Technical Services 2-2-61</p> <p style="text-align: center;">194878</p> <p>IV. Setzaburo Aoki (Japan) 33-17790 III. Patent (Japan) pub. II. Tsuruta, T. I. Furukawa, J.</p> <p>61-25708</p>	<p>(Chemistry--Organic, TT, v. 7, no. 5)</p> <p>Metaloorganic compounds</p> <p>DESCRIPITORS: Polymerization, Ethylenes, Chemical reactions, Catalysts, Mixtures, Chlorides.</p> <p>Trans. of [Japanese published] parent application 1790/1958, filed 26 June 58, 21 Jan 61, no. 290/1961.</p> <p>Order from SA \$45.00</p> <p>JUGATED DIOLIFINS, 1961, pp.</p> <p>A NEW PROCESS FOR POLYMERIZATION OF CON-Furukawa, Jungi, Tsuruta, Teiji and others.</p>
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(FDD 21200)

The Oil Characteristics of Lubricants. Reports 11-12:
The Rectifying Action Exhibited by Accumulated Layers
of Palmitic Acid and of Didodecyl Sebacate, by Toshio
Sakurai, Akira Furuzawa, 16 pp.

Full translation.

JAPANESE, no per, Kogyo Kagaku Zasshi, Vol LV, No 4,
prob Tokyo, Apr 1952, pp 245-249.

CIA/FDD/U-5935

FB - Japan

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Chemical Studies on Larix Kaempferi Sarg. (I), by
Tamio Kondo, Nobuo Furuzawa, 10 pp.

JAPANESE, par, Japanese Forestry Soc. Journal,
Vol XXXV, 25 Dec 1953, pp 406-409.

34,428

S.L.A. No 226/1956

Scientific - Chemistry

Chemical Studies on Larix Kaempferi Wang. (II), by
Tamio Kondo, Nobuo Murayama, 9 pp.

JAPANESE, per, Japanese Forestry Soc. Journal,
Vol XXVI, 25 Jan 1954, pp 19-28.

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S.L.A. No 227/1956

Scientific - Chemistry

Why Did Communist ~~China~~ China Change Her
Elementary Education System?, 11 pp, UNCLASSIFIED,
by Furuta Takio

JAPANESE, Per, Tairiku Mondai, 1 Apr 1954,
pp 42-51, CIA D-145482.

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~~CONFIDENTIAL~~
500th MI Sv Op
Tr 82021

FE - ~~Japan~~
Sociological - education,

Pub 55 CT8

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The SNPP-2-1 Electromagnetic Voltage Regulator,
by V. A. Puzosov, 12 pp.

Microfilm, per, Vesenskaya, no 24, 1960.

JPRS 7060

Sci
Jun 61

158, 372

Fusari, G.
CONCERNING THE STATISTICAL RELATION BE-
TWEEN TOBACCO SMOKE AND LARYNGEAL CAN-
CER. [1962] 6p.
Order from K-H \$7.50 K-H 6821-a

Trans. of Bollettino delle Malattie dell'Orecchio della
Gola e del Naso (Italy) 1957 [v. 75] no. 2, p. 175-179.

DESCRIPTORS: *Tobacco, Smokes, *Larynx, *Cancer,
Cancer research.

(Biological Sciences--Pathology, TT, v. 8, no. 6)

62-17964

- I. Fusari, G.
- II. K-H-6821-a
- III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

C222936

Office of Technical Services

Improvements of [Internal] Combustion Engines, by O.
Roscaido.

FRENCH, ~~SEE~~ Patent No 710,975 (1931).

ATS 583-FJ

Sci - Engr

Aug 60

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Improvements
Improvements of (Internal) Combustion En-
gines, by O. Muscaldo, 5 pp.

FRENCH, Patent No 864,561. Appl Fld 2/10/31.
Granted 8/16/31, Publ 9/1/31.

ASSOC Tech Serv-4374P

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AUG 58

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The Behavior of O,O-Dialkyldithiophosphoryl
Lacetic Acids (and Derivatives) With
Arsenious Acid and a Method for the
Selective Determination of Daid Compounds, by
R. Pasco, G. Marchese, 21 pp.

ITALIAN, per, Chimica e l'Industria,
Vol XLIII, No 4, 1960, pp 337-347.

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Vol IV, No 11
May 62

Researches on As-Naphthotriazines. Article No 2:
a) 2,1-c) -As-Naphthotriazine and 2,1,8-e) -As-Naph-
thotriazines. IX. On Asymmetrical Triazines, by
Raffaello Fusco, Giuseppe Bianchetti, 13 pp.

ITALIAN, per, Gazzetta Chimica Italiana, Vol LXXVII,
No 4, 1957, pp 438-445.

Dept of Commerce
Patent Office
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Sci - Chem
Apr 59

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Annunzio, On Asymmetrical Triazines. Article No. 11.
Asimmetriche triazine. I. On Asymmetrical Tri-
azines, by Raffaele Fucini, Giuseppe Bianchetti,
11 pp.

ITALIAN, per, Gazzetta Chimica Italiana, Vol LXXVII,
No 4, 1957, pp 446-453.

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Sci + Chem
Apr 59

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TT-63-20464

Fuseya, Gichiro and Ouchi, Kazuchi.
THE MEASUREMENT OF THE DENSITIES OF THE
BINARY ELECTROLYTIC BATH NaCl-CaCl_2 [1963]

12p 20refs

Order from SLA \$1.60

TT-63-20464

I. Fuseya, G.

II. Ouchi, K.

Trans. of [Dokki Kagaku] (Japan) 1949, v. 17,
p. 254-258.

DESCRIPTORS: *Chlorides, *Sodium compounds,
*Calcium compounds, Electrolytes, Mixtures,
Melting, Density, Surface tension, Electrolysis.

(Chemistry--Physical, TT, v. 11, no. 2)

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TRI-63-101
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Measurement of Relative Density at Filling Sand
Slime Using Radioisotope, by H. Fushimi.

JAPANESE, rpt, Fourth Japan Conference on
Radioisotopes, Tokyo, held 10-12 Oct 1961,
pp 189-192, published 1962.

*AEC

Sci - phys

(KOPRO 4-110)

10 Jan 63

On the Measurement of Changes in Relative Density
of Filling Sand Slime Using Radioisotopes, by
Hiroshi Fushimi, 6 pp.

JAPANESE, rpt, 1962. 9208234

ARC-Pr-5698

Sci - Nucl Sci

Jun 63

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On the Measurement of Changes in Relative Density
of Filling Sand Slime Using Radioisotopes, by
Hiroshi Fushimi, 12 pp.

JAPANESE, per, Nippon Isotope Kaigi Hobunshu, No 4,
1962, pp 189-192.

AEC-Tr-56898

Sci - Nucl Sci

Jul 63

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(DC-5641)

Preliminary Research for the Development Plan
of Senegal, by A. Fusi, 33 pp.

FRANCE, per, Industries et Travaux d'Outremer.
Vol. IX, No 86, Jan 1961, pp 6-23.

JEPH 8329

MS/A - Africa
ECON
Jun 61

153, 892

The Master in Map Drawing, by Lajos Fusi, 2 pp.

HUNGARIAN, per, A Földrajz Tanítás, Vol IV, No 4,
1961, pp 30-31. (Call No. G1.Y68).

AMS

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Geny

Mar 62

Construction and Operation of Climatic Testing
Chambers for Communication Equipment, by L. Fusier,
8 pp.

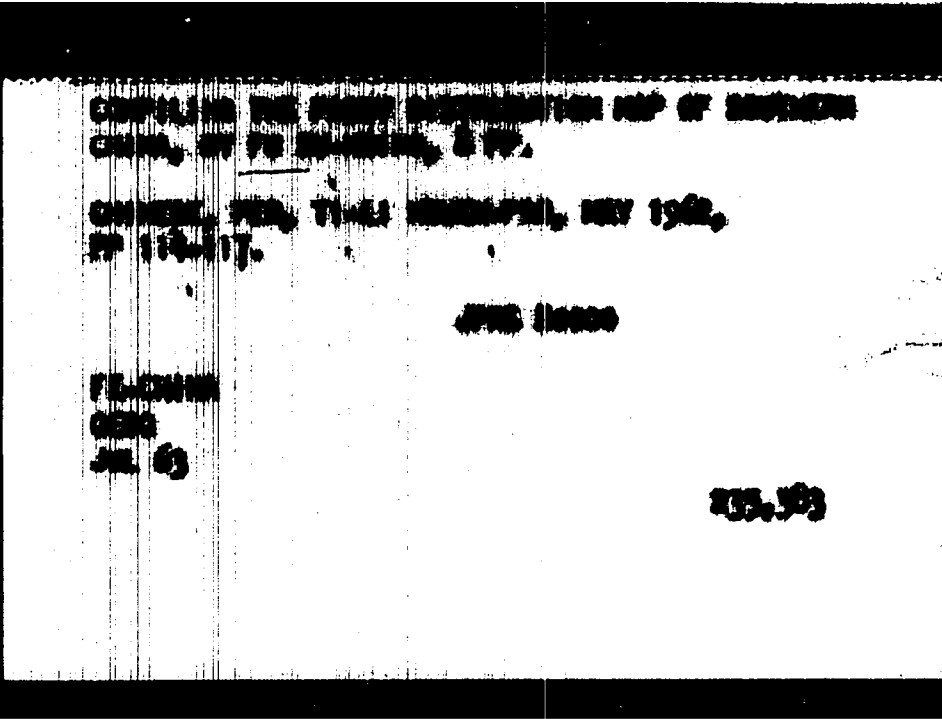
GERMAN, per, Elektrotech Z., Vol LXIV, No
37-38, pp 507-510.

SLA 58-461

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(DC-4017)

Leap Forward Flowers Ar in Bloom Everywhere, by
Pu Tao-shien, 4 pp.

CHINESE, np, Jen-min Jih-pao, 6 Apr 1960, p 16.

JPRS 6825

FE - China

See

Mar 61

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Capercaillie, by R. Hans Fuschlberger.

GERMAN, ~~year~~ Das Hahnenbuch, # 1955, p 132-.

Dept of Interior
QL1 F78 No 22

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Sci - Biol

Nov 61

Parametric Excitation Using the Barrier Capacitance of a Semiconductor, by Z. Kiyasu, K. Fushimi, K. Yamazaki, K. Katoaka.

JAPANESE, per, Journal of the Institute of Electrical Communications Engineers of Japan, Vol XI, No 2, 1957, pp 162-169.

Amer Meteorol Soc
for Geophys Res Div,
ASTIA

Sci - Electronics
Nov 58

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Photometric Tests of Skeletal Radiographic
Density, by G. Fusi, 12 pp.

ITALIAN, per, Radiol Med Torino, Vol XXXVIII,
No 3, Mar 1953.

TPA3/TIB T 4193

SLA Tr 58-50

Scientific - Electronics
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The "Turri 43" Parachute, by L. Fusier, 2 pp.

ITALIAN, manuscript, 26 Jul 1945.

SLA 58-444

Sci

Aug 59

62-17066

Eckhardt, Junji, Saegusa, Takeo and others.
POLYMERIZATION OF OLEFINS BY THE BINARY
MIXTURE OF ORGANOMETALLIC COMPOUND AND
SILICA-ALUMINA-TITANIA. May 62, 26p. 26 refs.
Order from SA \$21.00 SA Coll-107

- I. Furukawa, J.
- II. Saegusa, T.
- III. SA Coll-107
- IV. Saegusa Aeki (Japan)

Trans. of [Kogyo Kagaku Zasshi (Japan) 1960, v. 63,
no. 10, p. 1812-1817].

DESCRIPTORS: *Ethylenes, *Polymerization, Metal-
organic compounds, Ethyl radicals, Aluminum com-
pounds, Silicon compounds, Titanium compounds, Ox-
ides, *Catalysts, Catalysts, Pressure, Molecular
weight, Density, Temperature, Absorption, Infrared
spectroscopy, Propenes, Butadienes, Polymers.

412057

(Chemistry--Organic, TT, v. 8, no. 3)

Office of Technical Services

TT-65-14512

Field 7C

Furukawa, J.; Saegusa, T.
HIGH POLYMERIZATION OF ALDEHYDE, KETONE AND
ALKYLENE OXIDE. 43p. 126 refs.
Order from SLA: \$4.60 as TT-65-14512

Trans. of Kogyo Kagaku Zasshi (Japan) v65 n5 p649-57
1962.

Manufacture of Acrylonitrile, by G. Kita, J.
Furukawa, K. Mitsui (inventors).

JAPANESE, Patent no 154,815. Applied for 7/2/41,
granted 9/5/42, issued 1/29/43/ published 2/24/43.

Assoc Tech Sv 9706J

Sci
Aug 58

70,783

62-10377

Furukawa, Kiyohiss, Nomura, Motoaki, and Oda, Ryohel.

STUDY OF THIOEPICHLOROHYDRIN. [1961] [7]p. (foreign text included) 1 ref.

Order from SLA \$1.10

62-10377

- I. Furukawa, K.
- II. Nomura, M.
- III. Oda, R.

Trans. of [Kogyo Kagaku Zasshi] (Japan) 1953, v. 56, no. 3, p. 184-185.

DESCRIPTORS: Synthesis, *Thiourea, *Halohydrins, Sulfuric acid, Polymers, Polymerization, *Chlorides

A procedure is described for synthesizing thioepichlorohydrin from epichlorohydrin and thiourea. By treatment with a small quantity of sulfuric acid, the sulfide ring-opening polymerization of thioepichlorohydrin is easily effected while the degree of polymerization of the product is relatively low, all of the active chlorine remains in that condition, and by readily reacting with an amine & hydrohalogenation or other amino-compounds it yields what are considered to be new polymers. (Chemistry--Organic, VI, v. 8, no. 3)

211984

Office of Technical Services

61-20942

Furukawa, Kiyohisa and Oda, Ryohel.
A STUDY OF PHENYL GLYCIDYL ETHER. [1961]
[6]p. 2 refs.
Order from SLA \$1.10 61-20942

I. Furukawa, K.
II. Oda, R.

Trans. of [Kogyo Kagaku Zasshi] (Japan) 1952, v. 55,
p. 673-674.

DESCRIPTORS: *Glycidyl ethers, Ethers, *Phenyl
radicals, Synthesis, Polymerization, Catalysts,
Catalysis, *Resins.

206003

The synthesis and the subsequent polymerization of this
compound are reported

(Materials--Plastics, TT, v. 7, no. 9)

Office of Technical Services

61-20934

Furukawa, Kiyohisa, Suda, Hideaki, and Oda, Ryohel.
SYNTHETIC RESINS FROM DIEPOXY COMPOUNDS
AND ACID AMIDES. [1954] 7p. 3 refs.

Order from SLA \$1.10

61-20934

- I. Furukawa, K.
- II. Suda, H.
- III. Oda, R.

Trans. of Kogyo Kagaku Zasshi (Japan) 1954, v. 57,
no. 2, p. 152-154.

DESCRIPTORS: Resins, Epoxy resins, Synthesis,
Glycidyl ethers, Ethers, Carboxylic acids, Acids,
Amides, Epoxides, Chemical reactions, Polymerization

Diglycidyl ethers were reacted with mono- and dicarboxylic acid amides. Thermal autopolymerization was induced in one compound containing both epoxide ring and acid amide group in the same molecule. The reactions in these three cases yields new synthetic resins.

(Materials--Plastics, TT, v. 7, no. 9)

206002

Office of Technical Services

63-17935

Furukawa, Masahide.

A METHOD FOR THE CONTINUOUS OXIDATION OF
CYCLOHEXANE. July 63, 7p. (figs. omitted).
Order from SA \$16.00 SA Code-P-151

Trans. of published Japanese patent 5669/1959, cl.
16-c-8, appl. no. 24292/1956 filed 21 Sep 56, pub.
30 June 59, by Kanto-Denka-Kogyo Co.

DESCRIPTORS: *Cyclohexanes, Oxidation, *Cyclo-
hexanols, *Cyclohexanones, Production, Oxygen, Gas
flow, Cobalt catalysts, *Towers (Chemistry), Design.

(Engineering--Chemical, TT, v. 10, no. 6)

- I. Furukawa, M.
- II. Patent (Japan)
pub. 34-5 669
- III. SA Code-P-151
- IV. Seizaburo Aoki (Japan)

63-17935

Office of Technical Services

Effect of Back-Pressure on Friction of Piston
Rings, by Shoichi FURUKAWA, Shigeyoshi KURIHARA,
12 pp.

JAPANESE, per, Japan Society of Mechanical
Engineers, Vol XXI, No 109, 1955, Encl to
IR 4892-56, 600th Air Intel Sv Sq.

AF 1068723

Sci - Engineering, research
Feb 1957 GTS/dax

43453

Studies on Methyl Isobutyl Ketone Extraction and
Determination of Metallic Salts. (First Report).
Extraction of Iron, Antimony, Tin, Arsenic, Selenium,
Tellurium, and Germanium Mainly From Hydrochloric
Acid Solutions, by Hidehiro Goto, Yachiyo Kakita,
Takeshi Furukawa, 21 pp.

JAPANESE, per, Nippon Kagaku Zasshi, Vol LXXIX, 1958,
pp 1513-1520.

AEC UCRL-Tr-541(L)

Sci - Chem
Sep 60

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A Method for the Direct Electrolytic Refining
of Lead Sulfide Ore (Galena), by T. Furukawa.

JAPANESE, Rpt of Patent Application 1951 -
3659.

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Rolla, Missouri.
No T-4.4-6

Sci - Engr

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Apr 59

Furumi, Masayuki, Ando, Yoshitaka and others.
METHOD OF SYNTHESIS OF ACETIC ACID FROM
METHANOL AND CARBON MONOXIDE. July 68, 6p.
(Fig. omitted) 1 ref.
Order from SA \$16.00 SA Code-P-161

Trans. of published Japanese patent 4157/1962,
cl. 16-8-612 (13-F-1) appl. no. 27605/1959 filed
31 Aug 59, pub. 16 June 62, by Chief of Industrial
Technology Agency.

DESCRIPTORS: *Acetic acids, Synthesis (Chemistry),
*Methanols, Carbon compounds, Monoxides, Catalysts,
*Cobalt catalysts, *Iodine, Iodides, Alkaline metal
compounds, Alkaline earth compounds, Ions

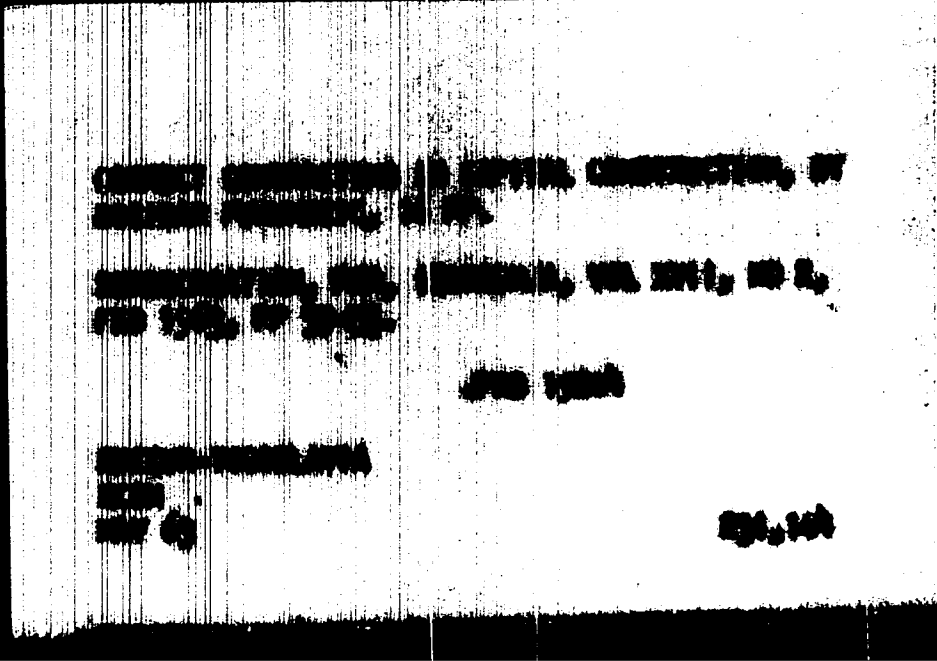
(Chemistry--Organic, TT, v. 10, no. 7)

63-17900

- I. Furumi, M.
- II. Ando, Y.
- III. Furumi (Japan)
pub. 27-4 857
- IV. SA Code-P-161
- V. Sotomura Aoki (Japan)

1247227

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Studies on the Sugar Cane, II. Experiences on
Flowering of the Sugar Cane of the Island of
Sakipau, by Ihei Yamada, Kazuo Furukato.

JAPANESE, per, Seiken Zoho, No 1, 1942, pp 85-86.

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Sci-Biol

Feb 64

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History of Land Improvement Activity in Korea
[Before 1945], by Itano Haruo, 19 pp.

JAPANESE, monograph, Yabu Kyokai, 10 Jan 1960,
T of C, pp 1-4, 69-71, 76-90.

CIA/FED X-4836

Asia - Korea

Beon

Apr 62

191,018

The Application of X-Ray Absorption Analysis
Utilizing Radioisotopes to the Analyses of
Fuels, by Shigemasa Enomoto, Tomohiko Furuta,
et al.

JAPANESE, rpt, Proceedings of the Fourth Japan
Conference on Radioisotopes, Tokyo, October 10-12,
1961, 1962, pp IX 197-201. 9204983

AEC-Tr-5614

Sci - Nucl. Sci

227,049

Apr 63

62-10963

Puruuchi, Shigemasa.
EFFECT OF GRAINS SIZE COMBINATION OF RAW
MATERIALS AND MELTING TEMPERATURE UPON
HOMOGENEITY OF SODA-LIME GLASS (ON THE
MECHANISM OF "MELTING SEGREGATION") Pt. 3
of Study of the Homogenizing Process of Molten Glass by
Centrifugal Density Spread Technique. [1962] 19p.
(foreign text included) 11 refs.
Order from SLA \$1.40

- I. Puruuchi, S.
- II. Title: On . . .
- III. Title: Study . . .
- IV. Title: Centrifugal . . .

62-10963

Trans. of [Asahi Gakkaishi Kenkyu Hokoku (Japan) 1959,
v. 9, p. 36-43.]

DESCRIPTORS: Mixtures, Sodium compounds, Calcium
compounds, Oxides, Silica compounds, Particles,
Separation, Melting, Temperature, "Glass

62-10963

With the constant grain size of the sand and the constant
melting temperature, the minimum density spread was
obtained when the grain sizes of all the batch materials
(Materials--Ceramics, TT, v. 9, no. 1) (over)

Office of Technical Services

Furuuchi, Shigemasa.

EFFECT OF THE ADDITION OF MINOR CONSTITUENTS UPON HOMOGENEITY OF THE SODA-LIME GLASS USING CARBON AND SALT CAKE. Pt. 2 of Study of the Homogenizing Process of Molten Glass by Centrifugal Density Spread Technique. [1962] [14]p. (foreign text included) 5 refs.

Order from SLA \$1.60

62-10962

Trans. of [Asahi Garasu Kenkyu Hokoku] (Japan) 1959, v. 9, p. 30-35.

DESCRIPTORS: Glass, Calcium compounds, Oxides, Dioxides, Silica compounds, Additives, Atomic properties, Carbon, Sodium compounds, Sulfates, Impurities.

The substitution of salt cake for soda ash and the addition of carbon had the great influences upon homogeneity of glass. At 3% carbon-salt cake ratio, initial 5% sub-
(Materials--Ceramics, IT, v. 9, no. 6) (over)

62-10962

- I. Furuuchi, S.
- II. Title: Study...
- III. Title: Centrifugal...

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61-22381

Furuya, T., Iino, Y. and others.
DYNAMIC CONTACT RESISTANCE MEASURING
EQUIPMENT. [1961] 4p.
Order from ATS \$7.50 ATS-57N50J

Trans. of Electrical Communications Colloquium of
Tohoku U. Proceedings (Tohoku Daigaku Dentsu
Danwakai Kiroku) 1959, v. 28, no. 1, p. 39-40.

DESCRIPTORS: Electrical equipment. *Resistance
Measurement.

- I. Furuya, T.
- II. Iino, Y.
- III. ATS-57N50J
- IV. Associated Technical
Services, Inc., East
Orange, N. J.
- V. Title: Tohoku Daigaku...

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(Engineering--Electrical, TT, v. 6, no. 6)

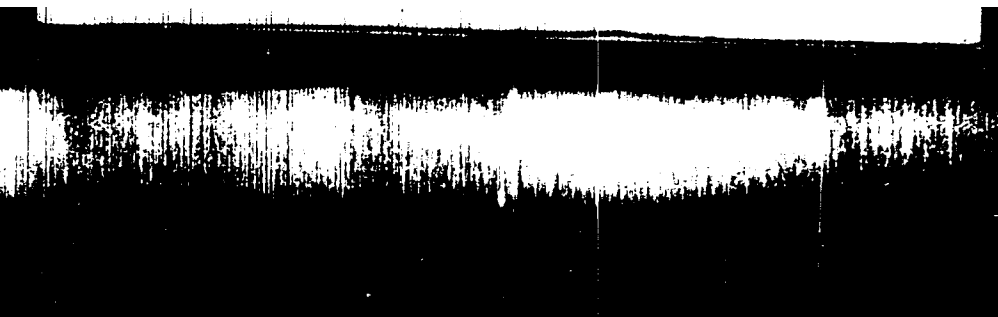
Bamberg Recording Theodolite, by H. Fuss,

GERMAN, par, Z. fuer Instrumentkunde,
Vol XLII, No 10, 1921, pp 281.-289.

TPA3/TIIS
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Scientific - Engineering Feb 55 CTS

20,865



The Askania Cine-therodolite, by H. Fuss,
UNCLASSIFIED

GERMAN, par, Z. Instrumkte, Vol XXXIX, No 11,
1929, pp 529-540.

TPA3/TIB T 4262

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Scientific - Engineering

Dispositif de chromatographie en phase gazeuse et
son enregistreur a compensation, by K. H. Fuss,
R. Kreuzer, 13 pp.
GERMAN to FRENCH, per, Regelungstechnik, Vol II,
No 1, 1960, pp 18-21.

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Sci
Oct 64

Oxygen in Open-Hearth Furnaces. In: Metallurgical
Processes, by H. Fussl. MICH

GERMANY, Bonn, Baden Druck, May 1953. 28 Pgs. 533-547.

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Sci - Chem
Col: 59

99,599

Process for the Production of Difficultly-
Inflammable and Solvent-Resistant Polymers, by
B. Vollmert, K. J. E Fust, H. Willersinn, 5 pp.

GERMAN, patent No 1,066,743.

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Vol III, No 11

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Funt, V.
RESULTS OF THE SIBERIAN LEVELING DONE IN
1875 TO 1876 FROM THE VILLAGE OF
ZVERINOGOLOVSKAYA TO LAKE BAIKAL. [1962]
[49]p. ACIC RR-42.
Order from OTS or SLA \$4.60 62-25443

Trans. of [Gosudarstvennoe] Russkoe Geograficheskoe
Obshchestvo. Zapiski ... po Obshchei Geografii, 1885,
v. 15, no. 1, p. 1-44.

DESCRIPTORS: Tables, *Siberia, Leveling rods,
Terrain, Geodesics, *Surveying.

(Earth Sciences--Geodesy, TT, v. 9, no. 9)

I. Funt, V.
II. ACIC RR-42
III. Aeronautical Chart and
Information Center,
St. Louis, Mo.

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Results of the Siberian Leveling Done in 1875 to
1876 From the Village of Zverinogolovskaya to Lake
Baykal, by V. Fust.

RUSSIAN, per, Zapiski, Imperatorskago Russkago Geograf
Obshcha po Obshchey Geograf, Vol. XV, No. 1, 1885,
pp. 1-44.

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Sci. "Geophys

203, 184

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The Government's Position in the Clothing Industry,
by [redacted] [redacted]
[redacted] [redacted] [redacted] [redacted] [redacted] [redacted]
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Prevention of Polio myelitis by Means of Passive
and Active Immunisation, by D. S. Fucor.

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RUSSIAN, per, Zhur Nevropatol i Psikhiat, Vol
LVI, No 5, Moscow, 1956, pp 361-369.

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Sci - Med

Sep 58

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(NY-602

Certain Data on Diamonds Found in Form of
Polycrystalline Aggregates, by Ya. M. Kravtsov
S. I. Futergerdler, 7 pp.

RUSSIAN, per, Zapiski Vses Mineralog Obshch,
Vol LXXXIX, Series 2, No 4, 1960, pp 464-466.

JPRS 9331

Sci. - Min/Metals

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Jun 61

Second Report on the Selection of Malus
Stocks and their Vegetative Reproducibility,
by G. Ruth.

GERMAN, *per*, Zuchter, Vol XXXI, No 8, 1961,
pp 340-346.

NRC/C-4078

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Aug 63

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Material on the Use of STI Vaccines, by
A. A. Dorofeyev, V. M. Putimov,
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RUSSIAN, par, Veterinariya, Vol Vol XI,
No 7, 1943 1943, pp 13-15.

20,196 USDA

Scientific - Biology, Medicine Dec 54 CTS

(SF-2286)

PROBLEMS OF PLANNING IN THE UNDERDEVELOPED
SOVEREIGN COUNTRIES OF ASIA, BY L. FUTIN, 6 PP.

RUSSIAN, PER, MIROVAYA EKON I MEZH OTNOSH
NO 6, 1962, PP 97-100.

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Problems in the Development of Medium and Low
Voltage Networks, by Istvan Futo, 14 pp.

HUNGARIAN, per, Elektrotechnika, Vol LIII, No 10,
1960, pp 449-457.

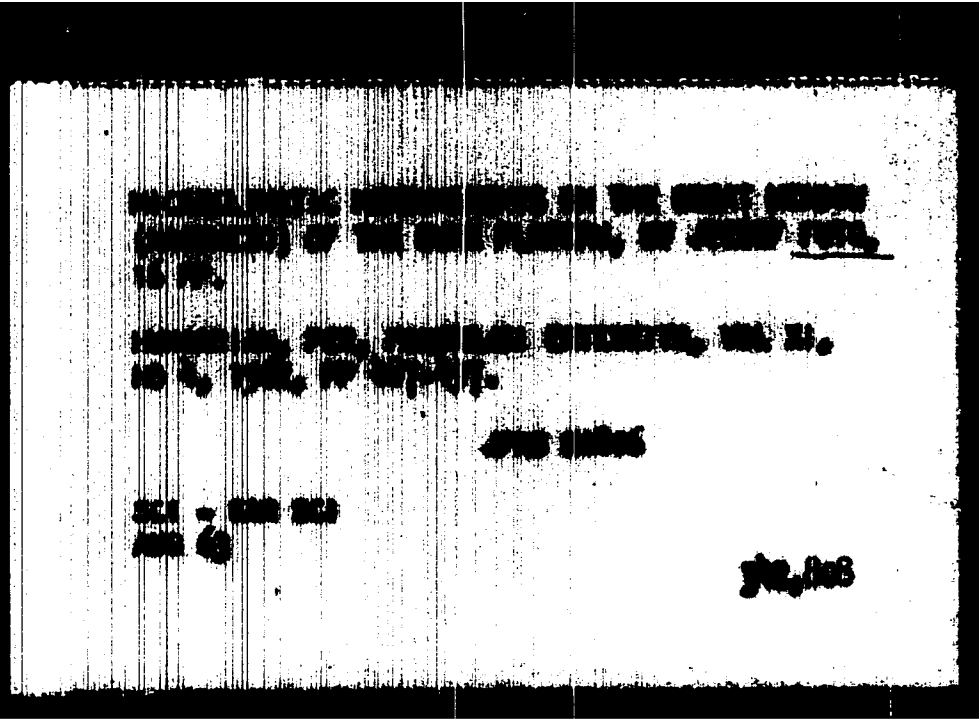
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EEur - Hungary

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May 61



(NY-5726)

Development Problems of Electric Power Distribution In Hungary, by Istvan Muto, 6 pp.

HUNGARIAN, per, Ujitolk Lapis, Vol XII, No 21, Nov 1960, pp 5-6.

JPRS 9027

EBur - Hungary
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Calculation of Batch Rectification Columns,
by Fu Tseyui-fu, 15 pp.

RUSSIAN, per, Zhur Frik Khim, Vol XXX, No 6,
1957, pp 862-875.

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High Pressure Pumps and Machines, by
C. H. Fütterer,

GERMAN, par, Chem Ing Tech, Vol XXVIII,
No 5, 1956, pp 337-342.

A.H.R.E. Harwell Lib Tr
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Sci - Engineering
Jul 57

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A Simple Method For Determining the Emission
of Tritium by Activated Luminous Substances
in the So-Called Immersion Test, by F. H. Gaul,
R. Futterknecht, et al.

GERMAN, per, Atompraxis, Vol VIII, No 5, 1962,
pp 175-182. 9203655

AEC-IT-5557

Sci - Nucl. Sci & Tech

Mar 63

226, 563

Multi-Circuit Resonance Absorbers for Electro-
magnetic Centimeter Waves, by H. J. Schmitt,
W. Pattermenger, 25 pp.

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No. 1, 1958, pp 1-7.

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Sci - Phys

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