

S-1154/63

The Condition and Ways to Increase Fish Reserves of
Aral Sea, by A. V. Volodkin. (NY-7965)

RUSSIAN, per, Trudy Inst Ikhtiologii i Rybnogo Khoz
Ak Nauk Kaz SSR, Vol IV, 1963, pp 69-74.

*JPRS

Sci - Biol & Med Sci
Dec 63

S-1154/63

Acclimatization of Mesomysis and Possibility of
Moving in of Pontocaspian Invertebrates Into Lake
Balkhash, by S. K. Tyuten'kov. (ENY-7965)

RUSSIAN, per, Trudy Inst Ikhtiologii i Rybnogo Khoz
Ak Nauk Kazakhskoy SSR, Vol XIV, 1963, pp 152-174.

*JPRS

Sci - Biol & Med Sci
Dec 63

S-1154/63

On the Study of Reaction of Young Fishes Within the Zone
of Action of Moving Electric Field, by G. N. Zolotov,
(NY-7965)

RUSSIAN, per, Trudy Inst Ikhtiologii i Rybnogo Khoz
Ak Nauk Kazakhskoy SSR, Vol IV, 1963, pp 175-186.

*JPRS

Sci - Biol & Med Sci

Dec 63

Experimental Industrial Preservation With Sodium
Sulfonates of Casein for Production of Feed
Mealy S. V. 1963, 28 pp.
RUSKIN, 1963, 211-233.
Natl. Res. Council, Vol IV, 1963, pp 211-233.
JPRS 24182

Sci - Biol
Apr 64

254, 429

On the Observations of Artificial Earth Satellites, by
A. A. Gurshteyn. 2 c p p

RUSSIAN, per, Trudy Inst Inzhenerov Geodezii,
Aerofotoymeni i Kartografii, No 40, 1960, pp 103-113.

FTD TT 62-975

Sci - Space Res
6 Jul 62

Solvent Formation During Storage of
High-Viscosity Residua, by I. M. Korobtsov,
S. A. Ginzburg, 8 pp.

RUSSIAN, per, Trudy Inst. Lishen Morkogo
Flota Nauch, Vol XVII, 1958, pp 3-II.

ATS-221:74R

Sci
Vol IV, No 7
Apr 62

193,860

Various Methods of Analysis of Sandwich Plates
With Bending and Their Comparison by Experiment,
by A. A. Nikishin. 17 pp.
RUSSIAN, per, Trudy Inzhenerno-Stroitel'nyy
Institut, Stetskiy i Plastinki, No 44, 1963,
pp 113-118. P100030066
FTD-T-65-288

Sci/Materials
Oct 66

309,493

Radiation of a High-Temperature Plasma,
by A. I. Alekseyev, 13 pp.
USSR, per, Trudy Inst Inzhenerno-Fiz,
1963, pp 83-93. P100091867
HFD-M-64-435

Sci - Phys
Apr 67

322,049

Deceleration of a Relativistic Particle
in a Plasma, by A. I. Alekseyev, 24 pp.
RUSSIAN, per, Trudy Inst Inzhenerno-Fiz
Ispytaniye Metodov Kvantovoy Teorii Polya
i Zadacham Inogikh Tel, 1963, pp 65-82.
100091867
ITD-IT-64-435

Sci - Phys
Apr 67

322,048

The Combustion of Gas Mixture in a Piston
Engine, by A. I. Stezhinskiy. UNCL

UKRA'NIAN,

YERENIEN, per, Trudy Inst Lepol'sovaniya
Gaza v Komunal Khos i Prom, Ak Nauk
Ukrain SSR, No 3, 1955, pp 105-113.

DSIR LLU RT: 1336

(LL. 2s. 61.)

113,039

Sol - Fuels
Apr 6,

Investigation of Processes in Heat Ex-
changes with Moving Beds, by L. S. Pioro,
RUSSIAN, per, Tr. Inst. Ispol'zovaniya
Gaza v Kommunal'nim Khoz. i Prom. Ak
Nauk USSR, Vol V, 1958, pp 88-108.
NLE FTS 3118
(On loan or purchase)

Sci-Phys
Apr 67

322,806

Hypersonic XX Flow Past Axisymmetric Bodies
Flying at an Angle of Attack, by B. E. Minostsev,
20 pp.

RUSSIAN, bk, Trudy Inst Issledovaniya po
Mekhanike i Fiziko-Matematicheskoy Mekhanike, No 7,
1961, pp 136-151.2 985419

FTD-TT-63-406

Sci-Aero

Aug 63

343,558

S-250/63

The Structure of Functions With a Limited Spectrum
and Related Problems of Communication Theory, by
B. S. Tsybakov, V. P. Yakovlev. (SF-2548)

RUSSIAN, ~~ISSUED~~, Issledovaniya po Fizike i Radiotekhnike.
Trudy Instituta, Moscow, ~~Physical and Technical Institute,~~
~~State Publishing House of the Defense Industry~~, No 2,
1958, pp 13-20.

*JPRS

Sci - Eng/Elec

Mar 63

Moving Bed Heat Exchanger, L. S. Pioro, et al.
RUSSIAN, per, Trudy Instituta Ispol'zovaniya
Gaza v Komsomol'skoye Khosyaistvo i Promyshlennosti
Akademiya Nauk Ukrainskoi SSR, Vol 5, 1958,
pp 77-87.
NLL RTS 3117

Sci - Chem
Sept. 67

340,419

Investigation of E B-F Motors, by B.N. Gorozhankin,
12 pp.

RUSSIAN, 1st, Study Institute, Izvestiya Po
Fizika i Radiofizika, No 8, 1962, pp 3-13.
966586

FTD-XX-62-1126

216,891

Sci - Electron
Nov 62

The 100th Birthday of K. E. Tsiolkovskogo, by V. N. Sokol'skiy.

RUSSIAN, per, Trudy Inst Istorii Yestestvoznaniya i Tekh, No 6, 1953, pp 24-29.

*FTD-MT-62-16
(Machine Translation)

USSR

Biog

Jul 62

The Beginning of K. E. Tsiolkovskiy's Works on
Interplanetary Communication, by B. N. Vorob'yev.

RUSSIAN, per, Trudy Inst Isterii Yestestvoznaniya i
Tekh, No 3, 1953, pp 30-33.

*FTD-MT-62-17

(Machine Translation)

Sci - Space Res

J

Aug 62

From Correspondence by K. E. Tsiolkovskiy, by B. N.
Vorob'yev.

RUSSIAN, per, Trudy Inst Istorii Yestestvoznaniya i
Tekh, No 3, 1953, pp 46-49.

*FTD-MT-62-19
(Machine Translation)

~~English~~
USSR

Soc

8 Aug 62

Documentary Materials of K. E. Tsiolkovskiy in the
Moscow Department of the Archives of the Academy of
Sciences of the USSR, by N. S. Romanova.

RUSSIAN, per, Trudy Inst Istorii Yestestvoznaniya i Tekh
No 6, 1958, pp 50-51.

*FTD-MT-62-13
(Machine Translation)

Sci - Misc.

Aug 62

A Short Outline of the Development of Rocket
Research in the USSR, by V. N. Sokolskiy, 35 pp.
RUSSIAN per, Akad. Nauk SSSR. Trudy Inst. Istorii
Estestvovedeniya i Tekhniki, Vol 29, 1960.
CPSTI-T-67-51340

USSR/Military
Sub/Evidence

342,478

Atmospheric Turbulence and the Stability of
Flights in Zone of Tropopause and Jet Streams,
by N. F. Gol'ingol'ts, 48 pp.
RUSSIAN, per. Trudy Inst. Karkhskiy Nauch-Issled
Chim., No 19, 1963, pp 3-30.
FTL-MT-64-297

Sci - Aero
Apr 68

277,824

Reaction of O-Phenylene-diamine with Derivatives of
Acetyl-acetone, by S. B. Vayanan, 15 pp. UNCLASSIFIED

RUSSIAN, per, Trudy Inst Khimii, Kharkivskii Univ.,
Vol IV, No 13, 1938, pp 157-174.

Sci Ma Lib 54/1617

NLL M. 1. 1. 1.

Scientific - Chemistry

17,728

Radar Observations and Their Application in
Meteorology, by D. Simidchiyev, Al. Malinovski.

RUSSIAN, per, Trudy Instituta Khidrol i Meteorol, No 9,
1960, pp 181-240.

*FID-TT-63-537

Sci - Earth Sci

May 63

The Connection Between the Activity, Structure, and
Acidity of Magnesium Silicate Catalysts, by
N. A. Danilova, 20 pp.

RUSSIAN, per, Trudy Inst Khim Ak Nauk Azerbaidzhan
SSR, Vol XIII, pp 36-47, 1974.

SIA R-1626

Sci - Chem
Aug 56

70,586

New Preservative Colloids for the Stabilization of
Dispersed Systems - Alkaline Extracts From Grape Husks
in the Capacity of Surface-Active Reagent-Stabilizer of
Clay Suspensions, by I. N. Ibragimov, A. K. Miskarli,
6 pp.

RUSSIAN, per, Trudy Inst Khim Ak Nauk Azerbaidzhan,
Vol XVIII, 1960, pp 79-83.

CIA/FDD XX-1289

NOT RELEASABLE TO FOREIGN NATIONALS

Sci

Nov 62

USIS: INTERNAL USE ONLY

216, 241

The Condensation of Acetate Esters of Certain
Polyhydric Alcohols With Aromatic Hydrocarbons
in the Presence of Anhydrous Aluminum Chloride, by
R. M. Lagidze, 11 pp.

RUSSIAN, par, Trudy Inst. Khim. Akad. Nauk Gruzinskoi]
SSSR, Vol. XII, 1956, pp 157-168.

I

Assoc Tech Ser (00J15R)

Sci

Jun 58

65,913

Application of Chromatography to the Investigation
of High Molecular Weight Fractions of Petroleum,
by I. D. Melikadze, T. A. Elyava, 22 pp.

RUSSIAN, per, Trudy Inst. Khim. Ak. Nauk Grusinsko
SSE, Vol. XIII, 1957, pp 145-164. CIA 9049037

ACSIL Tr 1324

Sci Chem

50460-23801

Aug 60

NLL 11 197

122,506

Request translation check 23-10-2 BT69-8-197T

Mechanism of reduction of nitrobenzene with various catalysts

V Shamonina

Tr. Inst. Khim. Nauk Kaz. SSR, 7, 1961, 38-53

In process as

NT-24-435-69

Investigation of the Oxidative Ammonolysis
of Some Monalkylbenzenes, by

A. D. Kagarlitskiy,

RUSSIAN, per, Trudy Inst. Khim. Nauk Ak
Nauk Kazakhskoi SSR, Vol VII, 1961,
pp 57-67.

NAL RTS 3447

(On Loan or Purchase)

Sci-Phys

Apr 67

324,027

Methods of Preparation of Electrodes for Electro-
chemical Measurements, by V. G. Bunzhe.

RUSSIAN, per, Tr Inst Khim AN SSR, No 12, 1964,

pp 157-159,

NLI Ref: 9022.401 (746-107)

Sci/Chem
Mar 70

401,877

A Necessary and Sufficient Condition
of One Optimum Problem for a Linear
Differential Equation with Delay, by
I. A. Ozhiganova, 12 pp.

RUSSIAN, per, Trudy Institut Khim-
icheskogo Mashinostroyeniya. "Kom-
pleksnaya Avtomatizatsiya Khimiches-
kikh Proizvodstv, Vol 25, pp 172-180.

9697515

FTB-77-65-450

Sci-Phys
Aug 65

287,065

Studying the Effect of Additions to
Polycaprolactam "B" on Antifriction
Properties and Adhesion to Metal, by
D. S. Nakhmudov, A. N. Levin, 11 pp.
RUSSIAN, per, Trudy Inst Khim Mashin,
Vol XXVII, 1964, pp 194-200. 9699072
FTD-TT-65-986

Sci - M/M
Feb 66

296,364

Hydrogenation of Acetylene to Ethylene, by
N. I. Shcheglov, D. V. Sokol'skiy. UNCL

RUSSIAN, per, Tr. Inst. Khim. Nauk Kazakh SSR,
Vol. IX, 1958, pp 150-157.

DSIR LIU M.933

(loan)

Sci - Chem

Mar 60

111,133

Solomin, A. V., Suvorov, B. V., and Rafikov, S. R.
OXIDATION OF ORGANIC COMPOUNDS. XVI. IN-
FLUENCE OF THE SIDE CHAIN STRUCTURE ON
THE VAPOR-PHASE OXIDATION OF MONOALKYL-
BENZENES IN THE PRESENCE OF VANADIUM
CATALYSTS. [1962] 10p. 4 refs.

Order from OTS or SLA \$1.10

62-18071

Trans. of Akad[emiya] Nauk Kazakh[skoi] SSR [Alma
Ata]. Institut Khim[icheskikh] Nauk. Trudy, 1958,
v. 2, p. 182-187.

DESCRIPTORS: *Organic compounds, Oxidation, *Ben-
zenes, Toluenes, Cumenes, Styrenes, Vapors, *Van-
adium catalysts, Molecular structure, Alkyl radicals.

The vapor-phase oxidation of toluene, ethylbenzene,
cumene, styrene and *o*-methylstyrene by moist air
over different mixed vanadium catalysts was studied.
(Chem. Rev. Canada, 11, v. 8, no. 10)

62-18071

- I. Solomin, A. V.
- II. Suvorov, B. V.
- III. Rafikov, S. R.
- IV. Title: Influence...

Office of Technical Services

Kir'yakov, G. Z. and Baynlyctova, P. K.
 THE EFFECT OF SOME METAL ION IMPURITIES
 ON HIGH CATHODE DENSITY PROCESSES IN
 ELECTROLYSIS OF ZINC SULPHATE SOLUTIONS
 (O Vliyani Primessy Ionov Nekotorykh Metallov na
 Katochnyye Protssesy pri Elektrolize Rastvorov
 Sernokislode Tsinka v Usloviyakh Vysokikh Plotnostey
 Toka). Feb 61 [8]p. 6 refs. RTS 1689.
 Order from LC or SLA ml\$1.80, ph\$1.80 61-15926

Trans. of Akademiya Nauk Kazakhstanskoy SSR, Alma
 Ata. Inst. (Inst. Khimicheskikh Nauk. Trudy, 1958,
 v. 3, p. 64-71.

151992

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

61-15926

- I. Zinc sulfates--Electrolysis
- I. Kir'yakov, G. Z.
- II. Baynlyctova, P. K.
- III. RTS-1689
- IV. Department of Scientific
 and Industrial Research
 (Gr. Brit.)

Office of Technical Services

Kir'yakov, G. Z., Bayniyotova, F. K., and
Vakhidov, R. S.

THE ROLE OF MANGANESE IN THE ELECTRO-
DEPOSITION OF ZINC (Rol' Manganese v Protsesse
Elektroosazhdeniya Tsinka). Jan 61 [14]p. 34 refs.
RTS-1690.

Order from LC or SLA ml\$2.40, ph\$3.30 61-15701

Trans. of Akademiya Nauk Kazakhskoy SSR, Alma
Ata: Institut Khimicheskikh Nauk. Trudy, 1958,
v. 3, p. 72-81.

151967

N.L. RTS 2127

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

61-15701

1. Zinc--Electrodeposition
2. Manganese--Chemical effects

- I. Kir'yakov, G. Z.
- II. Bayniyotova, F. K.
- III. Vakhidov, R. S.
- IV. RTS-1690
- V. Department of Scientific and Industrial Research (Q. Ark.)

Office of Technical Services

TT-65-13821

Field 7C

Suvorov, G. V.; Rafikov, S. R.; Kagarlitskii, A. D.;
Sablrova, A. A.; Svetasheva, V. A.
THE OXIDATION OF ORGANIC COMPOUNDS, REPT.
NO. 38. THE OXIDATIVE AMMONOLYSIS OF A MIXTURE
OF p- AND m-XYLENES. 10p, 19 refs.
Order from SLA: \$1.10 as TT-65-13821

Trans. of Akademiya Nauk Kazakhskoi SSR, Alma Ata.
Institut Khimicheskikh Nauk, Trudy, v8 p109-14 1962.

1. Title: Oxidative ...

MR 666

Investigation of the Process of Catalyzed
Crystallization by the Method of
Combination Light Diffusion Spectra,
by Ya. S. Bobovich, 8 pp.
RUSSIAN, per, Trudy Inst Khimii Silikatov,
Ak Nauk SSSR, Vol III, No 1, 1963,
pp 87-90. 9699418
FTD-TT-65-689

Sci - M/M
Mar 66

296,417

Thermodynamic Analysis of Equilibrium in the
Niobium-Oxygen-Carbon System, by G. P. Shveikin,
8 pp.

RUSSIAN, per, Trudy Ak Nauk SSSR, Inst Khim, Ural
Filial, No 2, 1958, pp 45-49.

AEC Tr-4303

Sci
Aug 51

163,774

Intermediate Nickel Compounds in the Reduction of
Nickel Pentoxide With Carbon, by G. P. Shveikin, 8 pp.

~~USSR Acad. Sci., Trudy Ak Nauk SSSR, Metall. Khim., Ural.
Filial, No 2, 1958, pp 51-56.~~

* AEC Tr-4304

Sol
Aug 61

163, 775

Kinetics of Niobium Pentoxide Reduction by
Carbon Under Vacuum, by G. P. Shveikin, et al.

RUSSIAN, per, Trudy Ak Nauk SSSR, Inst Khim.
Dokl. Akad. Nauk, No 2, 1958, pp 77-82.

AEC Tr-4305

Sci
Aug 61

163,777

Polystyrene-Based Plasticizers for Nitrile Rub-
bers, by S. S. Spasskiy and N. A. Obolonskaya,
et al,
RUSSIAN, paper, Trudy Instituta Khimii, Akademiya
Nauk SSSR, Ural'skiy Filial, No 3, 1959,
pp 33-41.
CFSTI TT 66-51116

Sci-Materials
Oct 66

313,056

An Investigation of the Interaction of Melts
of the Sulfates of Sodium, Potassium, Magnesium
and Calcium, by S. M. Makimov, N. I. Krylova,
A. G. Baigman, 22 pp.

RUSSIAN, per, ~~Trudy~~ Inst Khim Ak Nauk Uzbek SSR,
No 2, 1969, pp 94-112.

ANC USUL-Trans-568(1)

Sci - Chem
24 Feb 61

141,068

Fluorescence of Organic Compounds, by
A. D. Melikadze, 36 pp.

RUSSIAN, per, Trudy Inst Khim Im P. G. Melikishvili,
Ak Nauk Gruz SSR, Vol XVI, 1962, pp 31-50.

CIA/FDD XX-1581
NO FOREIGN DISSEM

Sci
Oct 64
USIB Internal Use Only

267,708

The Shubnikov Group 1651, by N. Belov, N. Neprova,
T. Smirnova, 45 pp.

RUSSIAN, per, Trudy Inst Khrist Ak Nauk SSSR, No 11,
1955, pp 31-67.

SIA R-1456

Jul 58

69, 949

Investigations of Control Processes
in Living Organisms and Ways of Creating
New Cybernetic Systems, by M. A. Khvedelidze.
RUSSIAN, per, Insty Institute Kibernetiki,
AN SSSR, 1963, Vol 1, pp 169-190.
SPB-18-66-66

Sci-ENC
Jul 66

A New Method of Solving the Problem of Linear
Programming, by K. L. Yatschenko, 7 pp.
UKRAINEAN, per. Trans. Inst. Cybernetics Obch
Meymer 1 Tezh. AE NIK URSR, 1963,
pp 40-44, 7676739
FTD>TT-61-1144

Sci - Phys
May 65

280,434

On Dictyocaulosis in Horses, by R. S.
Chobotar'ov.
RUSSIAN, per, Trudy Kiev. Vet. Inst.. Vol
1, No 1, 1938, pp. 27-30.
NLL Ref: RTS 4902

Sci-B&M
July 69

387,476

Methods and Apparatus for Testing Wattmeters Over
the Audio-Frequency Range, by A. Ya. Bezikovich,
V. S. Popov.

RUSSIAN, per, Trudy Institutov Komiteta Standartov,
No 39, 1960, pp 130-142.

NLL RTS 1701

OTS 11-10-60

Sci - Electron

Nov 61

174, 419

HIGH PRESSURE PISTON GAUGES, BY V. N.
RAZUMIKHIN, ET AL.

RUSSIAN, PER, TRUDY INSTITUTOV KOMITETA
STANDARTOV, NO 46, 1960, PP 55-61.

NLL RTS 1989

SC - ENGR

JUN 62

~~199,908~~
199,959

~~XXXX~~ A STUDY OF SOME PROPERTIES OF MANGANIN
RESISTANCE GAUGES UP TO 10000 KG/CM², BY
E. V. ZOLOTYKH, ET AL.

RUSSIAN, PER, TRUDY INSTITUTOV KOMITETA
STANDARTOV, NO 46, 1960, PP 62-67.

NLL RTS 1990

SC: • ENGR

JUL 62

~~199,906~~
199,960

A THERMODYNAMIC METHOD OF MEASURING SUPER-
PRESSURES, BY M. K. ZHOKHOVSKIY.

RUSSIAN, PER, TRUDY INSTITUTOV KOMITETA
STANDARTOV, NO 46, -1960, PP 68-80.

NIL RTS 1991

SCI - ENGR

JUN 62

X188X88X
199,961

Effect of Pressures Up to 5,000 kg/cm² on the
Viscosity of Liquids, by E. V. Zolotykh.

RUSSIAN, per, Trudy Institutov Komiteta Standartov,
No 46 (106), 1960, pp 81-95.

ALL RFS 1992

Sci - Phys

Aug 62

207, 207

A Piezoelectric Method for Measuring Liquid
Compressed Gases at Pressures up to 5 000 kg/cm²,
by N. N. Krasovskiy.

Sci. Bull. Acad. Sci. USSR Div. Phys. Math. Sci.,
No. 56 (196), 1964, pp 96-106.

ALL RTS 1993

Sci. - Eng.

Aug 68

207,580

GENERAL PURPOSE EQUIPMENT USED IN HIGH
PRESSURE EXPERIMENTS, BY V. A. BORZUNOV.

RUSSIAN, PER, TRUDY INSTITUTOV KOMITETA
STANDARTOV, NO 46, 1960, PP 107-116.

NLL RTS 1994

SCI - ENGR

JUN 62

XXX199,9⁶₁₂

S-364/64

Standard DC Automatic Thermistor Bridge, by
L. M. Zaks. (SF-3189)

RUSSIAN, per, Trudy Issledovaniya kv Oblasti
Radiotekhnicheskikh Izmereniy (~~Trudy Institutov
Komiteta~~) (~~Vsesoyuznyy Nauchno-Issledovatel'skiy
Institut Fiziko-Tekhnicheskikh Izmereniy~~),
Vol XLVIII, No 108, 1960, pp 7-23.

*JPRS

Sci - Engr
May 64

S-365/64

Analysis of the Errors of a Microcalorimeter With
Circulating Liquid, by V. I. Pronenko. (SF-3189)

RUSSIAN, per, Trudy Issledovaniya v Oblasti
Radiotekhnicheskikh Izmereniy (Trudy Institutov
Komiteta) (Vsesoyuznyy Nauchno-Issledovatel'skiy
Institut Fiziko-Tekhnicheskikh Izmereniy), Vol XLVIII,
No 108, 1960, pp 24-41.

*JPRS

Sci - Engineering
May 64

Research in the Field of Temperature Measurements.

RUSSIAN, per, Trudy Institutov Komiteta, No 55
(113), 1961, Issledovaniya v Oblasti Temperaturnykh
Izmereniy Trudy Institutov Komiteta.

Possibly to be done by
National Bureau of Standards,
Call Mr. Marton, 154/7749

May 62

Research in Fields of Radiotechnical Measurements.

RUSSIAN, for, Trudy Inst Komiteta. Vses Nauchno-
Issled Inst Fiz-Tekh i Radio Izmereniy, Standartgiz,
No 33(125), 1962, 85 p.

*FTD-MP-64-6

Sci + Engr
Jan 64

Avotina, M. P. and Ostromukhova, G. P.
AN INSTALLATION FOR THE ABSOLUTE MEASURE-
MENT IN ROENTGENS OF X-RADIATION IN THE
20-60 KV RANGE (Ustanovka dlya Absolyutnykh Iz-
merenii v Rentgenakh Rentenovskogo Izlucheniya ot 20
do 60 Kv). [1962] [12]p. 12 refs.
Order from OTS or SLA \$1.60 62-23691

Trans. of Komitet Standartov, 'Mer i Izmeritel'nykh
Priborov. Trudy Institutov Komiteta (USSR) 1961,
no. 55(115) p. 35-41.

DESCRIPTORS: *X-rays, Electron tubes, *Dosage,
*Dose rate, Measurement, *Ionization chambers.

(Nuclear Physics--Instruments, TT, v. 8, no. 5)

62-23691

- I. Avotina, M. P.
- II. Ostromukhova, G. P.
- III. Research International
Associates, Washington,
D. C.

Office of Technical Services

62-23692

Balon, Z. P. and Maksimova, M. P.
NATIONAL ROENTGENOMETRIC STANDARD
INSTALLATIONS AND THEIR COLLATION
(Etalonye Natsionalnye Rentgenometricheskie
Ustanovki i Slichnitya Ikh). [1962] 18p. 16 refs.
Order from OTS for SLA \$1.60 62-23692

Trans. of Komitet Standartov, Mer i Izmeritel'nykh
Priborov, Trudy Institutov Komiteta (USSR) 1961,
no. 55(15) p. 42-54.

DESCRIPTORS: "X-ray laboratories. Test equip-
ment. "Radiation instruments. Standardization.

This article presents an outline of standard
roentgenometric installations in a number of
countries (the USSR, the United States, Great Britain,
Sweden, France and others), also the results of
collation. (Author)

(Physics, TT, v. 8, no. 10)

- I. Balon, Z. P.
- II. Maksimova, M. P.
- III. Research International
Associates,
Washington, D. C.

Office of Technical Services

62-23690

Aglintsev, K. K. and Ostromukhova, G. P.
ROENTGEN READINGS IN THE γ -RADIATION
RANGE, WITH QUANTUM ENERGY OF 0.25-3 MEV
(Vosproizvedenie Rentgena v Oblast γ -Izlucheniya s
Energiei Kvantov 0.25 - 3 Mev). [1962] [18]p. 20 refs.
Order from OTS or SLA \$1.60 62-23690

Trans. of Komitet Standartov, Mer i Izmeritel'nykh
Priborov. Trudy Institutov Komiteta (USSR) 1961,
no. 55(115) p. 55-65.

DESCRIPTORS: *Sulfur, Beta particles, *Cobalt,
Gamma rays, *Radioactivity, Measurement, Dose
rate.

As a result of measurements of β -radiation of S^{35} and
 γ -radiation of Co^{60} , it has been shown that the cor-
responding currents of saturation arising in chambers
with pressures up to 20 atm. can be calculated by the
(Nuclear Physics--Radioactivity, TT, v. 8, no. 8)
(over)

- I. Aglintsev, K. K.
- II. Ostromukhova, G. P.
- III. Research International
Associates, Washington,
D. C.

Office of Technical Services

62-23689

- I. Aglintsev, K. K.
- II. Maksimova, M. P.
- III. Uryaev, I. A.
- IV. Research International Associates, Washington, D. C.

Office of Technical Services

Aglintsev, K. K., Maksimova, M. P., and Uryaev, I. A.

ON THE SPECTRUM METHOD FOR THE DETERMINATION OF DOSES FROM BETA-PARTICLE RADIATORS (O Spektralnom Metode Opredeleniya Doz ot Izluchatel'ei). [1962] 114p. 9 refs.

Order from OIS or SLA \$1.60

62-23689

Trans. of Komitet Standartov, Mer i Izmeritel'nykh Priborov, Trudy Institutov Komiteta (USSR) 1961, no. 55(115) p. 90-97.

DESCRIPTORS: *Beta particles, Sources, Dose rate, Determination, *Dosimeters, *Beta ray spectrometers, *Scintillation counters, Silibenes, Crystals, *Electrons, Distribution.

This article surveys a method for the determination of doses from flat β - radiators, based on the knowledge of the spectral distribution of the electrons. For the (Nuclear Physics--Instruments, TT, v. 8, no. 3)

(over)

R-7414-D

22 August 66

Experimental Determination of the light equivalent
of A Radiant Force

By: V. Ye. Kartashevskaya

From: Komitet Standartov Mer i Izmeritel'nykh Priborov.

Issledovaniia i oblasti opticheskikh izmerenii i
izmerenii luchistoi energii. Trudy

V 56(116) 1961, pp 36-46

(11 pp)

Russian - est for wds:

Translate and type 1 original copy only.

Do not cut or paste-up the figures, but make a figure
appendix at the end.

S-363/64

A New Method of Temperature Compensation for
Superhigh Frequency Thermistors for Power Measure-
ments, by L. M. Zaks, et al. (SF-3127)

RUSSIAN, par, Trudy Komitet Standartov Mer i
Mameritel'nykh Priborov, Vol LXV, No 125,
1962, pp 13-20.

*JPRS

Sci - Elec
apr 54

Expansion of the Frequency Limit of
Applicability of High-Frequency
Permeameters, by A. L. Grokhol'skiy, et al.
RUSSEAN, per, Trudy Institutov Komiteta,
No 72, (152), 1963, pp 53-58.
*ITD-65-408

Sci-Elect
Sep 63

Investigation of a Apparatus for the
determination of a Curve of Magnetization
of Electrotechnical Steel in Low Fields,
by A. Z. Veksler, N. V. Pon'kov.

RUSSIAN, per, Trudy Institutov Kozniteta,
No 72 (152), 1963, 59-72.

*FTD-ET-65-408

Sci-Elect

Sep 65

New Highly Sensitive Ballistic Method
to Test Ferromagnetic Materials, by
P. N. Gorunov,
RUSSIAN, per, Trudy Institutov Komiteta,
No 72 (152), 1963, pp 73-84.
*FTD-CT-65-408

Sci-Elect
Sep 63

Using a Quartz Magnetometer in Controlling
Helmholtz, by I. G. Mokhei.

RUSSIAN, per: Trudy Institutov Komiteta,
No 72 (132), 1963, pp 85-93.

*FTI-MT-65-408

Sci-elect

Sep 65

Electron Gaussmeter EG-1 Based on the
Use of the Hall Effect, by V. F. Vitkovskiy,
E. N. Sokolova.

RUSSIAN, per, Trudy Institutov Komiteta,
No 72 (182), 1963, pp 94-100.

*FTI-IT-65-408

Sci-Molec
Sep 65

International Unit System in the
Practice of Magnetic Measurements,
by E. N. Chelkurina.
RUSSIAN, per, Trudy Institutov
Komitetu, No 72, (132), 1963, pp 5-16.
*FTI-IT-65-408

Sci-8/4
Sep 65

Ferrite-Transistorized Frequency Dividers for
Quartz Clocks, by S. V. Shustrov.

RUSSIAN par. Trudy Inst. Komiteta, Gosudarstvennyy
Komitat Standartov Ser. I Imenitel'nykh Priborov,
No 77(137), 1962.

1965 pp 33-36

*FTD-HT-23-1394-67

Sci-11ec

Apr 68

Calculation of Thermal Conditions of Roller Bearings of Gas-Turbine Engines, by V.M. Demidovich, 15 pp.
RUSSIAN, per. Trudy Kazan. Aviatsionnyy Institut, No 66, 1961, pp 49-62. 9700917
FTD-IT-65-32

Sci/Aggr
Aug 65

306,208

Utilization of the Theory of Similitude in the
Analysis of Oil Flow in the Passages of Gas
Turbine Engine Bearings, by V. M. Demidovich.
RUSSIAN, per, Trudy, Kazan, Aviatzionnyy institut,
Aviatzionnyye dvigateli, No 76, 1963, pp 63-73.
*FTD-IT-24-116-68

Sci/Aeron
May 68

Foam Formation Upon Oxidation of Paraffin
in Bubbling Towers, and in a Continuous
Action Foam Oxidizer, by V. V. Nesmelov,
O. V. Maninov.

RUSSIAN, per, Trudy Khimiko-Tekhnologicheskii
Institut Kazan, No 26, 1959, pp 15-18.
SLA TT-66-10613.

S-1-Chem
Jul 66

303,907

The Dynamic Thermoelastic Problem of Plates
and Shells in the Presence of Radiation,
by V. V. Bolotin, 8 pp.

RUSSIAN, per, Tr. Konf. Dier. Plast.
(Obolozhek, Kazan, 1960, pp 27-32.

1911409787

AND 20-T-67-0928

Sci-Physics

Feb 68

347,508

Growing of Single Crystals of Calcite
Under Hydrothermal Conditions, by
N. Yu. Ikornikova.
RUSSIAN, per, Trudy Inst Kost Kristallov,
Ak Nauk SSSR, No 4, 1964, pp 92-94.
*FTD-11-23-163-67

Sci - Materials
Mar 67

Tr. Ak. Nauk SSSR Inst. Kristallografi

An X-Ray Examination of the Crystal Structure of
 $\text{NaAu}(\text{CN})_2$, by E. A. Shugan, G. S. Zhdanov,

RUSSIAN, per, Trudy Inst Krist Ak Nauk SSSR.
Vol IV, 1948, pp 179-184.

AEC Tr-4032

Sci - Chem

May 50

117,379

(PDD 27621)

Spectrophotometric Investigations of the Coloring
of Quartz, by G. G. Lomaleyn, 34 pp.

RUSSIAN, (Frog par, Trudy Instituta Kristallografii
Aka Nauk SSSR, No 6, 1951, pp 269-288.

CIA/PDD U-8890

USSR

Sci - Chemistry, Mineralogy

Oct 56

39,638

The Results of Laboratory Investigations of Different
Properties of the Crystals of Artificial Corundum,
by B. M. Grum-Grzhimailo et al.

RUSSIAN, per, Trudy Instituta Kristallografi,
No 8, 1953, pp 5-12.

CLAP-1111

Co-Op Tr Sch 180
El. 120. (Cu. Co.)

39,584

Sci - Chemistry

Co-Op Tr Sch 180

El. 120. (Cu. Co.)

Rudnitskaya, E. S.
FUNDAMENTALS OF THE CRYSTALLOGRAPHY OF
CORUNDUM [Osnovnye Svedeniya o Kristallografi i
Strukture Kristallov Korunda] tr. by B. W. Kuvshinov.
2 Oct 62, 9p. 6 refs. APL/JHU TG 230-T337.
Order from OTS \$0.50 63-11507

Trans. of Akademiya Nauk SSSR, Institut Kristallografi i
grafii (Trudy), 1955, v. 8, p. 13-20.

DESCRIPTORS: *Aluminum compounds, Oxides, "Co-
rundum, Ruby, Sapphires, *Crystal structure, Lat-
tices, Symmetry (Crystallography), X-ray diffraction
analysis.

74-11507-3455/APL337
(Physics - Solid State, TT, v. 9, no. 6)

63-11507

- I. Rudnitskaya, E. S.
- II. APL/JHU TG 230-T337
- III. Applied Physics Lab.,
Johns Hopkins U.,
Silver Spring, Md.
- IV. Contract N0w-62-0604-c

Office of Technical Services

Properties of Isomorphous Mixtures $Al_2O_3-Cr_2O_3$,
by S. V. Grun-Grebinnilo.

RUSSIAN, per, Trudy Instituta Kristallografii,
No 8, 1953, pp 27-34.

Coop Trans Scheme Tr 181
L2.8a. (8a.0d.)

Sci - Chemistry

Jul. 1956

36,409

CTC 62-11110

See also 11/1007

The Density of Artificial Corundum, by E. M.
Slavnova, et al.

RUSSIAN, irreg per, Trudy In Kristal, No 8, 1953,
pp 35-40.

Co-Op Trans: Sch Tr 245
22.6s. (6s.0d.)

Sci - Min/metals

42,273

Notes on the Problem of Heating a Corundum
Charge, by E. G. Valyashko, et al.

RUSSIAN, per, Trudy Instituta Kristallografi,
No 8, 1953, pp 77-88.

Coop Trans Scheme Tr 182
14.160. (122.00)

Sci - Minerals/Metals, Chemistry

Jul 1956

36,414

Grum-Grzhimailo, S. V. and Utkina, Ye. I.
 THE FEASIBILITY OF DETERMINING THE
 AMOUNT OF CHROMIUM IN RUBY BY AN OPTICAL
 METHOD. [1960] 11p.
 Order from ATS \$17.10

ATS-61M47R

Trans. of Akademiya Nauk SSSR, [unclear]
 Kristallografiya, 1963, no. 8, p. 99-110.

151547

Nauch. 25.6/APL 332

(Physics--Solid State, TT, v. 5, no. 8)

61-12774

1. Chromium--Determination
2. Spinel--Optical analysis
- I. Grum-Grzhimailo, S. V.
- II. Utkina, Ye. I.
- III. ATS-61M4/R
- IV. Associated Technical
 Services, Inc., East
 Orange, N. J.

Office of Technical Services

Valyashko, Ye. G. and Grum-Grzhimaylo, S. V.
THE COLOR OF CORUNDUM AND METHODS USED
IN ITS STUDY. [1960] 17p.
Order from ATS \$23.95

ATS-60M47R

Trans. of Akademiya Nauk SSSR, Institut
Kristallografiy, Trudy, 1953, v. 9, no. 8, p. 111-128

148,649

(Physics--Solid State, TT, v. 5, no. 7)

61-12671

1. Corundum--Color
2. Corundum--Test methods
- I. Valyashko, Ye. G.
- II. Grum-Grzhimaylo, S. V.
- III. ATS-60M47R
- IV. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Apparatus for the Study of Optical Anomalies in
Synthetic Corundum and of its Orientation, by
S. V. Grun-Grahimailo.

RUSSIAN, per, Trudy Inst Krist Ak Nauk SSSR,
Vol VIII, 1953, pp 165-188.

ILL. NOS 2147
(loan)

238,125

Sci -
Jul 63

Pending Strength of Corundum With Traces of Plastic
Deformation and Mosaic Structure, by G. E. Tomilovsky

RUSSIAN, per, Trudy Instituta Kristallografi
Akademii Nauk SSSR, No 8, 1953, pp 225-232.

Co-Op Tr Sch No 183
£28.8s. (8s.0d.)

Sci - ~~Chemistry~~
Physics

39,319

Brittleness of Corundum Crystals, by N. Yu.
Ikhornikova.

RUSSIAN, 2 per, Trudy Instituta Kristallografii
Ak Nauk SSSR, No 8, 1953, pp 233-236.

Coop Trans Scheme Tr 184
11.4s. (4s.04.)

Sci - Minerals/Metals, Chemistry

Jul 1956

36,412

STAR-12

See also 17/10/56

Elastic Deformation of Synthetic Corundum
Crystals, by M. V. Klassen-Neklyudova et al.

RUSSIAN, per, Trudy Instituta Kristallografi
Akademii Nauk SSSR, No 6, 1958, pp 237-246.

3

Co-Op Tr Ser No 265
\$2.10a. (10.0d.)

Sci - Chemistry
Physics

89, 3/8

SLA P-3137

The Behavior of Corundum With Optical Anomaly
Under Different Mechanical Treatments, by
L. F. Grigor'eva.

RUSSIAN, irreg par, Sudy Best Kristal, No 8,
1953, pp 262-273.

Co-Op Trans Sch Tr 244

Sci - Physics

43,436