

Principal Lines of Scientific Research,  
Planning and Design in the Coal Industry  
of the USSR, by A. V. Dokukin.  
RUSSIAN, per, Nauchn. Dokl. Inst. Gorn.  
Dela in Sverdlovskogo, 1964.  
MLL 8313.4 1964 (5007) (On Loan)

Aug 65

286,937

TT-63-24348

Volodarskii, R. F.  
INTERPRETATION OF GRAVITY ANOMALIES OF  
THE EASTERN REGIONS OF THE RUSSIAN PLAT-  
FORM IN THE LIGHT OF CONTEMPORARY  
GEOLOGICAL AND GEOPHYSICAL DATA (Istolkovanie  
Anomalii Sily Tyazhesi Vostochnykh Razonov Russkoi  
Platform v Svete Sovremennykh Geologicheskikh  
i Geofizicheskikh Danniakh)

D. Shalkashvili, tr. Jul 63 [15p]

ACIC TC-661

Order from ODS, SLA, or ETC \$1.60 TT-63-24348

Trans. of [Nauchnye Doklady Vysshei Shkoly. Geologo-  
geograficheskie Nauki.] (USSR) 1959, no. 2, p. 216-222  
(Abstract available)

DESCRIPTORS: \*Gravity anomalies, \*Geophysics,  
Sedimentation, Lithosphere, Structural geology,  
Terrestrial magnetism, Maps, Analysis:  
(Earth Sciences--Geology, TT. v. 11, no. 3) (over)

- I. Volodarskii, R. F.
- II. ACIC TC-661
- III. Aeronautical Chart and  
Information Center,  
St. Louis, Mo.

Office of Technical Services

Terrestrial magnetism, ~~paper~~  
(Earth Sciences--Geology, TT, v. 11, no. 3) (over)

Office of Technical Services

The Use of Radioactive Indicators in Studying  
of Corrosion by a Superimposed Current From the  
Outside, by A. I. Levin, V. I. Falichov.

RUSSIAN, per, Handzhupe Dok Vysshay Shkoly, Khim  
i Khim Tekh, No. 2, 1958, pp 30-35.

\*ITERS for Research Material  
R-306-H  
Dover, New Jersey

3 Jan 60

Determination of Chlorine and Bromine in Organic  
Compounds by Means of Magnesium Nitride, by A. P.  
Terent'ev, et al.

RUSSIAN, per, Nauch Dok Vyshey Shkoly Khim i  
Khim Tekh, No 1, 1958, pp 83-85.

ATS RJ-2018

Sci - Chem

Jan 60

105,679

Sorokina, M. F. and Laguzina, A. M.  
THE INTERACTION OF CERTAIN ARYLGLYCIDIC  
ESTERS WITH ALCOHOLS OF THE ALIPHATIC  
SERIES. [1961] 7p. 3 refs.  
Order from OTS or SLA \$1.10

61-20627

61-20627

I. Sorokin, M. F.  
II. Laguzina, A. M.

Trans. of Nauchnye Doklady Vysshel Shkoly. Khimiya i  
Khimicheskaya Tekhnologiya (USSR) 1958, no. 1,  
p. 110-114.

DESCRIPTORS: \*Epoxy resins, Resins, Synthetics,  
\*Resorcinol, Ethers, Peroxy radicals, Propanes,  
Epoxydes, \*Alcohols, Propanols, Alkoxy radicals,  
Chemical reactions.

(Chemistry--Organic, TT, v. 7, no. 5)

Document Technical Services

Industrial Synthesis of Allylcarbinol and  
n-Butyl Alcohol Based on Propylene and  
Formaldehyde, by M. I. Zharbov, A. M. Kichin,  
5 p.

RUSSIAN, per, Nauch Dok Vysshay Shkoly Khim  
i Khim Tekhnol, 1958, No 1, pp 148-252.

AMS-55L32R

Sol  
Feb 60  
Vol 2, No 12

107963

The Nature of Detonation of Certain Explosives  
and the Effect of Pressure on it, by K. K. Andreyev,  
B. S. Samsonov, 6 pp.  
RUSSIAN, per, Nauchnyye Doklady Vysshey Shkoly.  
Khimiya i Khimicheskaya Tekhnologiya, No 2, 1958,  
pp 229-232.  
ARM/FSTC/HT-23-1072-68

ATS-65L32R

TIL-T-5172

Sci/Chem  
Sept 69

389,924

Sept 69

389,924

The Synthesis of Mono-Alkyl-Cyclohexanes of  
Cl<sub>5</sub>-Cl<sub>3</sub> Composition with an Increased Density,  
by Ye. B. Sokolova, G. V. Krasnova.

RUSSIAN, per, *Mauch Dok Vysshey Shkoly-Khim*  
*i. Khim Tekh*, No 2, 1958, pp 330-334. 9662622

ATIC MCL-347/1

Sci - Chem

Jul 61

159,279



Jul 61

61-23655

Drozdov, N. S. and Grushetskaya, L. A.  
PREPARATION OF 12-HYDROXY-9, 10-EPOXYSTEARIC ACID. [1961] pp. 4 refs.  
Order from OTS or SLA \$1.10

61-23655

I. Drozdov, N. S.  
II. Grushetskaya, L. A.  
III. Translations, New York

Trans. of Nauchnye Doklady Vysshel Shkoly. Khimiya i Khimicheskaya Tekhnologiya (USSR) 1958, no. 2, p. 339-341.

DESCRIPTORS: \*Stearic acids, Epoxides, Synthesis, Organic acids.

The synthesis of 12-hydroxy-9, 10-epoxystearic acid. m.p. 31-32° and  $n_D^{20} = 1.4578$  from the methyl ester of ricinoleic acid via the methyl ester of 12-acetoxyoleic and 12-acetoxy-9, 10-epoxystearic acids is described. (Author)

176655

Office of Technical Services

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

S-93/60

(NY-3560).

The Calculation of Cascades Used in Separating Stable Isotopes, by V. K. Turkin, 5 pp.

RUSSIAN, par. Nauch Dok Vyshey Shkoly, Khim i Khim Tekh, No 2, 1958, pp 385-387.

JPRS 2459

Sci - Chem  
Apr 60

112,623

8-95/80

(NY-3500)

Separation of Isotopes by Rectification.  
Rectification of Methanol, by Ya. D. Zol'transkiy,  
V. Ye. Scholov, V. A. Shalygin, 6 pp.

RUSSIAN, Ser. Nauch. Dok. Vyssh. Shkoly, Khim. i  
Khim. Tekh., No 2, 1958, pp 388-391.

JPRS 2460

Sci - Chem  
May 60

116,690

Bol'shakov, K. A., Fedorov, P. I., and  
Shakhova, M. N.

THE SATURATION VAPOR PRESSURE OF THALLOUS  
CHLORIDE. [1961] 6p. 6 refs.  
Order from OTS or SLA \$1.10

61-19131

Trans. from [Nauchnyye Doklady Vysshey Shkoly  
Khimiya i Khimicheskaya Tekhnologiya] (USSR 1958,  
no. 3 [p. 408-412].

DESCRIPTORS: \*Thallium compounds, \*Chlorides,  
\*Vapor pressure.

The saturation vapor pressure of chemically pure thallos chloride was determined by the boiling point and the saturation methods. The values obtained with both methods were in good agreement above about 620°C, indicating that thallos chloride in the vapor phase consists of monomeric molecules. Below about 600°C, the points obtained by the saturation method are (Chemistry--Physical, TT, v. 6, no. 8) (over)

61-19131

I. Bol'shakov, K. A.  
II. Fedorov, P. I.  
III. Shakhova, M. N.  
IV. Translations, New York

100161

Office of Technical Services

Calorimetric Method for Determining the Presence of  
Ion Association in Solutions of Electrolytes, by  
E. V. Kiseleva.

RUSSIAN, per, Nauch Dok Vyssh<sup>e</sup> Shkoly, Khim i  
Khim Tekh, Vol IV, 1953, pp 621-623.

\*AEC

Sci - Chem

Nov 59

Theoretical Bases of Methods of Determining the  
Chemical Stability of Explosives, by K. K.  
Andreyev. UNCL

RUSSIAN, pop. Nauch. Dok. Vysshykh Shkoly, Khim i  
Khim. Tekh., No 4, 1958, pp 635-639.

DSIR LMU M.1293

(1000)

Sci - Chem  
May 60

116,509

Thermal Decomposition Mechanism of Calcium,  
Strontium, and Barium Sulfites, by A. N. Ketov, V. V.  
Pechkovskiy, 6 pp.  
RUSSIAN, per, Nauch Dok Vyssh Shkoly, Khim i Khim  
Tekh, No 4, 1958, pp 667-671. 9220543  
AEC-Tr-6259

Sci-Mat & Met  
Mar 64

252,224

Dr. [unclear] of [unclear] [unclear]  
by Dr. I. [unclear], 3 pp.

RUSSIAN, [unclear] [unclear] [unclear] [unclear] [unclear] [unclear]  
[unclear] [unclear], [unclear] 1956, pp 676-679.

ASAC 134-150/3

9659499

Sci. Chemistry  
Volume 54200  
Dec 60

134,575



Electron Diffraction Study of the Molecular  
Structure of La-Halides, by P. A. Akishin,  
V. A. Naumov, 6 pp.

RUSSIAN, per, Nauchnye Doklady Vysshei Shkoly,  
Khimiya i Khimicheskaya Tekhnologiya, 1959,

pp 5-7.

AEC AHL Tr-349

327,974

Sci - Chemistry  
Jul 67

Golodova, L. S. and Sokol'skiy, D. V.  
A POTENTIOMETRIC METHOD OF STUDYING SE-  
LECTIVITY DURING HYDROGENATION OF FATS  
IN SOLVENTS (Potentsiometricheskii Metod Issle-  
dovaniya Selektivnosti pri Gidirovanii Zhlrov v  
Rastvoritel'yakh). Feb 61 [6]p. 2 refs. RTS 1744.  
Order from LC or SLA m\$1.80, ph\$1.80 61-19103

Trans. of Nauchnye Doklady Vysshey Shkoly. Khimiya  
i Khimicheskaya Tekhnologiya (USSR) 1959, no. 1,  
p. 28-31.

Potentiometric measurements during hydrogenation of  
fats and of their simplest analogues, unsaturated acid  
esters, give a correct indication of the change in fatty  
acid composition and of the sequence in the saturation  
of acids of different degrees of unsaturation. With hy-  
drogenation of fats in solvents, the process is suffi-  
ciently selective. The potentiometric method is very  
suitable for a study of the reaction selectivity during  
hydrogenation of both natural fats and oils and their  
synthetic analogues. (Author)

61-19103

1. Fats--Hydrogenation
2. Catalysts--Effectiveness
3. Potentiometers--  
Applications
- I. Golodova, L. S.
- II. Sokol'skiy, D. V.
- III. RTS-1744
- IV. Department of Scientific  
and Industrial Research  
(Gr. Brit.)

100000

Office of Technical Services

(Chemistry--Physical, TT, v. 5,  
no. 12)

Investigation of the Vanadium Tellurium System,  
by Yu. M. Ukrainsky, A. V. Novoselova, Yu. P.  
Simanov, 7 pp. 1

RUSSIAN, per, Nauch Dok Vyssey Shkoly, Khim i  
Khim Tekh, No 1, 1959, pp 62-66.

MDF U-103  
9093191

1579095

Sci  
Nov 61

Compounds of  $\text{Sn}(\text{TE})$  With  $\text{SnF}_2$ , by A. N.  
Kruglov, F. P. Kochergin.

RUSSIAN, per, Kurch Dok. Vyssh. Shkoly: Khim.  
& Khimich. Tekh. Vol. III, No. 1, 1959, pp 70-73.

REF ID: A6277

Sci. - Chem

Aug 62

201/191

The Extraction of Salicylates of Scandium, Yttrium,  
Cerium, Lanthanum, Uranium and Thorium, by B. N.  
Sudarikov, V. A. Zaytsev, U. G. Puchkov, 9 pp. UNCL

9, 38

RUSSIAN, per, Nauchnyye Dok Vysshey Shkoly, Khim  
1 Khim Slakh, No 1, 1959, pp 80-83. 9660769

ATIC 161-249/III

Sci - Chem

Apr 61

149,695

Telecom 10 40547

Telecom IC 41547

The Formation of Complex Compound of Neodium and  
Ytterbium with Ethylenediaminetetraacetic Acid  
with Cation-Exchanging Chromatography, by L. I.  
Martynenko, 10 pp. UNCL

RUSSIAN, per, Nauchnyye Dokl Vyshey Shkoly, Khim i  
Khim Tekh, No 1, 1959, pp 84-87. 9660769

ASFC MEL-249/III

Sci - Chem

149,697

Apr 61.

Telecom IC 41547

Telex: IC 41547

61-15501

Bashkurov, A. N., Kamzolkina, Ye. V., and  
Kagan, Yu. B.  
CATALYSTS IN THE DECOMPOSITION OF CARBON  
MONOXIDE: [1961] 4p. 1 ref. DSIR Trans. NT771;  
M. 2388  
Order from OTS or SLA \$1.10 61-15501

I. Bashkurov, A. N.  
II. Kamzolkina, Ye. V.  
III. Kagan, Yu. B.  
IV. DSIR NT-771  
V. DSIR L.L.U. M. 2388  
VI. Department of Scientific  
and Industrial Research  
(Ct. Brit.)

Trans. of Nauchnye Doklady Vysshey Shkoly. Khimiya  
Khimicheskaya Tekhnologiya (USSR) 1959, no. 1,  
p. 162-165.

10956

DESCRIPTORS: \*Carbon compounds, \*Monoxides,  
Decomposition, \*Catalysts.

Office of Technical Services

(Chemistry--Physical, TT, v. 6, no. 2)

Features of the Structure and Properties of Foam  
Ceramic Made From the Pure Oxides of  $Al_2O_3$  and  
 $ZrO_2$ , by I. Ya. Guman. UNCL

RUSSIAN, per, Nauch Dok Vyssimye Shkoly: Khim i  
Khim Tekh, No 1, 1959, pp 181-185.

DEXER LLU RTS 1459

(12s. 60.)

113,014

Sci - Chem  
Apr 60



Electron Diffraction Study of the Structure of  
Neodymium Halide Molecules, by P.A. Akishin,  
V. A. Naumov, et al.

RUSSIAN, per, Nauchnye Doklady Vysshai Shkoly.  
Khimiya i Khimicheskaya Tekhnologiya, 1969,

pp 229-232. 9233461

AEC ANL-tr-310

Sci/Chemistry  
Aug 66

306,358

Mechanical Thermal Stability of Crystals of Some  
Explosives, by K. K. Andreev,

RUSSIAN, <sup>of</sup> Nauch Dok Vysshoy Shkoly, Khim i Khim  
Tekh, No 2, 1959, pp 244-246.

AEC Tr-3950

Sci - Chem

Apr 60

115,072

Redox Potential of Xanthates, by  
E. A. Stepanov,  
RUSSIAN, per, Nauchnye Doklady Vysshei  
Skoly, Khimiya i Khimicheskaya  
Tekhnologiya, No 2, 1959, pp 277-279.  
NTO 72-11232-07D

MAY 72

61-13751

Shchegolevskaya, N. A. and Sokolov, S. I.  
 CERTAIN CHARACTERISTICS OF THE KINETICS  
 OF THE PROCESS OF COPOLYMERISATION OF UN-  
 SATURATED POLYESTERS AND VINYL MONOMERS  
 WITH THE FORMATION OF A 3-DIMENSIONAL  
 NET WORK (Nekotoryye Osobennosti Kinetiki  
 Protseesa Sopollmerizatsii Nepredel'nykh Pollyestrov i  
 Vinil'nykh Monomeroov s Obrazovaniem Prostranstven-  
 noy Struktury). Zhne 60 [5]p. 6 refs. TIL/T. 5121;  
 [DSIR LLU] M2269.  
 Ord: r from LC or SLA ml\$1.80, ph\$1.80 61-13751

Trans. of Nauch[yye] Dokl[ady] Vyssh[ey] Shkoly.  
 Khim[iya] i Khim[ichesk]aya Tekhnol[ogiya] (USSR)  
 1959, no. 2, p. 350-353.

There were examined the conditions of development of  
 simultaneous polymerisation of unsaturated polyesters  
 based on sebacic and maleic acids and dimethylene-  
 glycol and a mixture of vinyl monomers - styrene and  
 methyl methacrylate with the formation of monolithic  
 (Chemistry--Organic, TT, v. 5, no. 12) (over)

1. Copolymerization
2. Esters--Polymerization
3. Vinyl compounds--  
Polymerization
4. Polymers--Molecular  
structure
- I. Shchegolevskaya, N. A.
- II. Sokolov, S. I.
- III. TIL/T-5121
- IV. DSIR LLU M. 2269
- V. Ministry of Aviation  
(Gt. Brit.)

10061

Office of Technical Services

On the Technology of the Manufacture of Zirconia  
Products by Casting from Aqueous Suspensions,  
by G. P. Kalliga, V. A. Kolbasova.

RUSSIAN, per, Nauch Dok Vysshey Shkoly, Khim i  
Khim Tekh, No 2, 1959, pp 386-389.

DSIR LNU RUS 1455

Sci - Chem

Aug 60

122,533

Nickel-Zinc Batteries, by V. W. Florov.

RUSSIAN, per, Nauch Dok Vysshel Shkoly. Khim i  
Khimich Tekh, No 2, 1959, pp 402-405.

OTS 61-27509

189,535

Sci  
Mar 62

Vol VII, No 2

Approximate Aerodynamic  $\lambda$  Calculations for  
a Two-Phase Gas Solid Particle System,  
by A. V. Chechetkin, 6 pp.

RUSSIAN, per, Nauch Doklady Vyshey  
Shkoly Khim i Khim Tekh,  
No 2, 1959, pp 406-410.

Sci  
Vol IV, No 11  
May 62

ATS-50M43R

47-1RT-2749

197, 925

Mechanical Technology of Wood. Theoretical  
Analysis of Conditions Governing Separation of  
Wood by a Cutting Blade, by S. Voskresenskiy.

RUSSIAN, per, Nauchnye Doklady Vysshei Shkoly.  
Lesoinzhenernoe Delo, No 1, 1959, pp 217-222,

CSIRO/No 5326 5767

Sci  
Dec 62

*Handwritten notes:*  
M.A. Prof. Voskresenskiy  
1959, No 1



Synthesis of Automatic Control Systems With a  
Sign-Changing Input for the Integrating Corrective  
Element, by E. K. Shigin, ~~20~~ pp.

7

RUSSIAN, per, Nauchnye Doklady Vys. Shkoly,  
Mashinostroyeniya i Prikladnaya Fizika, No 1,  
Jan-March 1958, pp 193-199.

Automation Express  
Vol I, No 8  
Internat'l Physical Index:

Sci

Jun 59

*available in 5 Yels*  
*90, 424*

SMALL & SCALE EJECTOR MODELS, BY B. S.  
STEPHANOVSKIY, 22 PP.

RUSSIAN, PER, NAUCH DOK VYSSHEY SHKOLY,  
MASHK I PRIBOROSTOY, NO 1, 1958, PP 75-86.  
9665938

FTD-TT-62-448

SCI - AERO  
AUG 62

207,972

Questions on Scientific Problems in the Progress  
of Foundry Production, by D. P. Ivancev, 19 pp. USSR.

RUSSIAN, per, Nauch Dok Vyssey Shkoly, Mashin i  
Prib, No 2, 1958, pp 7-14. 9560215

ATTC MCL-142/III

USSR - Econ.

Sci - <sup>F</sup>Engn

Apr 61

Telecom 41175

149,402

The Fundamental Theoretical Problems in the  
Development of the Technology of Casting Pro-  
duction, by N. N. Rubtsov, 10 pp. URCL

RUSSIAN, per, Nauch Dok Vysshey Shkoly, Mash i  
Pril, No 2, 1958, pp 15-18. 9660815

ATIC MCI-142/III

USSR - Econ

Sci - Engr

Apr 61

Telecom 11.75

149, 704

Telecos 44-12

About the subject of Gas Into a Variable  
Volume Cylinder, by B. M. Gouy, *Ann. Phys.*  
3 187

PROFESSOR, par, Manchhaya Deb Ghosh  
Bipolar Machine, 1, Kankarbagh, Calcutta  
1958, no 58-71. 9672817

FBI 100-62-95

187 250

Calcutta

51 Jan 62

Speeding Up the Production Rate on New Machines,  
by V. L. Butusov. 20 pp.

RUSSIAN, per, Nauch Dok Vyshey Shkoly Mash i  
Priborostry, No 3, 1958, pp 15-24. 967186

~~XXXX~~ \*ATIC MCL-1269/1

USSR  
Econ  
Sci - Engr  
10 Jul 61

Wire 6-7-73.

Contribution to the Theory of Packing Foundry  
Molds, by G. F. Balandin, 14 pp.

RUSSIAN, per, Nauchnyye Dok Vysshykh Shkol,  
Mashinostroy i Priborostroy, No 3, 1958,  
pp 122-131. *318 766 836*

ATTC PAEL-124

Sci

Apr 61

*147,505*

Instantaneous Temperatures on Contact Surfaces  
Due to Friction, by B. P. Stoyukhin, 16 pp.  
RUSSIAN, per, Nauch Dok Vysshey Shkoly, Mash i  
Prib, No 4, 1958, pp 73-81. 9692278  
DDC RSICx-142

Sci - Engr  
Apr 64

255,166



Evaluating the Precision of Castings, by Yu.A. Vorobyev.

RUSSIAN, per, ~~Knuch Dok Vyss Shkaly, Mash i Prib,~~  
No 3, 1958, pp 141-148. 9661536.

ATIC MCL 124/1

Sci - Min/Met  
Jun 61

155,515

61-13761

Paley, M. M.  
STANDARDISATION OF THE WAVINESS OF SUR-  
FACE OF MACHINE COMPONENTS. [1961] [8]p.

L. Paley, M. M.  
IL DSIR LLU M. 2279

[DSIR LLU] M 2279

Order from OTS or SLA \$1.10

61-13761

Trans. of Nauchnyye Doklady Vyshey Shkoly. Mashino-  
stroeniye i Prikladnaya Mekhanika (USSR) 1958, no. 4,  
p. 152-159.

DESCRIPTORS: \*Diesel engines, Pistons, Rods, Vibra-  
tion, Tests.

175203

The waviness of surface on components operating under  
condition of dry, semi-liquid and liquid friction brings  
about a great wearing of the pairs. The supporting  
power of a cylindrical bearing is diminished in the  
presence of a wavy surface. The supporting power  
(load-carrying capacity) of a plane-parallel step bearing  
is increased in the presence of waviness. There is an  
optimal ratio of spacing to the height of undulation  
(Machinery--Engines, TT, v. 6, no. 3) (over)

Office of Technical Services

61-13762

Dunin-Barkovskiy, I. V. and Kartasheva, I. N.  
RELIABILITY OF MEASUREMENTS OF SURFACE  
TEXTURE. [1961] [9] p. 5 refs. [DSIR LLU] M 2280.  
Order from OTS or SLA \$1.10 61-13762

I. Dunin-Barkovskiy, I. V.  
II. Kartasheva, I. N.  
III. DSIR LLU M. 2280

Trans. of Nauchnyye Doklady Vyshey Shkoly.  
Mashinostroyeniye i Priborostroyeniye (USSR) 1958,  
no. 4, p. 160-[169].

DESCRIPTORS: \*Metals, Surface properties, Meas-  
urement, Reliability.

Ways are found for determining the reliable measure-  
ments of the surface roughness and the number of  
measurements required under different conditions.  
The adequacy of the recommendations have been con-  
firmed by experimental investigation. (Author)

175203

Office of Technical Services

(Metallurgy, TT, v. 6, no. 3)

61-13764

Rubinshteyn, S. A.  
STRESSES AND FORCES IN THE CUTTING OF  
METALS. [1961] [11] p. 11 refs. [DSIR LLU] M 2282.  
Order from OTS or SLA \$1.60 61-13764

I. Rubinshteyn, S. A.  
II. DSIR LLU M. 2282

Trans. of Nauchnyye Doklady Vyshey Shkoly. Mashino-  
stroeniye i Prilozheniya (USSR) 1958, no. 4,  
p. 170-180.

177626

DESCRIPTORS: Stresses, Plasticity, Theory. \*Metals.  
Deformation, \*Cutting tools, Machining.

The method of determining the stresses, based on the  
theory of plasticity is reviewed under the following  
topic headings: (1) contact stresses and forces on the  
front surface; (2) constancy of volume condition during  
the formation of the chip element; (3) condition of  
equilibrium of the chip elements; (4) determining the  
forces and stresses of cutting; (5) method of calculating  
forces and stresses; and (6) examples of calculation.

Office of Technical Services

(Machinery--Manufacturing, TT. v. 6, no. 4)

(NY-3905/2)

Improvement of the IAB-451 Instrument, by L. A. Vasil'yev, 11 pp.

RUSSIAN, per, *Konchayve Dok Vysshy Shkoly*,  
Kash. i Priborost, No 4, Oct/Dec 1958, pp 230-237.

PRIS-L-1117-N

Sat - Engt  
Dec 59

103,481

# 14

(NO. 4253)

High-Power High-Frequency Test Stand VIIU-1 (VIIU-1)  
(Vibration Test Stand No 1 of the Moscow Aviation  
Institute and the All-Union Institute of Aviation  
Materials) for Testing the Endurance and Vibration  
Strength of Parts and Units of Jet Engines and  
Aviation Materials, by A. M. Sulima, M. I.  
Yevstigneyev, V. M. Trusov, 19 pp.

RUSSIAN, per, Nauch Dok Vyshey Shkoly, Mash i Prib,  
No 2, 1959, pp 110-119.

JPRS 5160

121,807

Sci - Engr

Aug 60

Aug 60  
On the Flow of Gas Into a Cylinder of Variable  
Volume, by B. V. Ovsyannikov,

RUSSIAN, per, Nauchnye Dok Vysshay Shkoly Mashin  
i Priborostroyeniye Sovetskaya Nauka, No 2, 1958,  
pp 68-71.

\*FTD-TT-61-53

Sci - Phys

19 Sep 61

On the Use of Radioactive Indicators in the Study  
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