

Metallurgical and Ore Mining Industry of Ukrainian
Soviet Socialist Republic in 1964 Sixth Year of
Seven-Year Plan, by Ya. P. Kulikov, 6 pp.
RUSSIAN, per, Metallurg i Gornorud Prom, No 1,
1964, pp 3-5.
JPRS 25606

US3R
Econ
Aug 64

264,037

Intensification of Blast Furnace Production
of the Ukrainian SSR, by G. Ya. Ruckovskiy, 6 pp.
RUSSIAN, per, Metallurg i Gornorud Prom,
No 1, 1964, pp 10-12.
JPRS 25606

USSR
REcon
Aug 64

264,038

Intensification of Process of Blast Furnace
Smelting With Combined Blast, by M. D. Zhembus,
K. I. Kovv, 7 pp.
RUSSIAN, aper, Metallurg i Gornorud Prom,
No 1, 1964, pp 13-15.
JPRS 25606

USSR
Econ
Aug 64

264,039

Increase of Quality of Sinter an Important
Reserve to Increase Smelting of Cast Iron,
by A. P. Likhoradov, I. I. Entin, et al, 6 pp.
RUSSIAN, aper, Metallurg Gornorud Prom, No 1,
1964, pp 15-18.
JPRS 25606

USSR
Econ
Aug 64

264,040

**Basic Problems of Increasing Smelting of
Steel at Metallurgical Plants of the Ukrainian
SSR, by V. G. Mal'kov, 6 pp.
RUSSIAN, per, Metallurg i Gornorud Prom,
No 1, 1964, pp 20-23.
JPRS 25606**

**USSR
Econ
Aug 64**

264,0491

Application of Intensifiers in Steel Smelting
Production of the Ukrainian Soviet Socialist
Republic, by N. A. Tereshchenko, 5 pp.
RUSSIAN, per, Metallurg i Gornorud Prom,
No 1, 1964, pp 23-25.
JPRS 25606

USSR
Econ
Aug 64

264,042

**Economics of Oxygen-Converter Method of
Steel Production, by N. A. Tarevko, 7 pp.
RUSSIAN, per, Metallurg i Gornorud Prom,
No 1, 1964, pp 27-30.
JPRS 25606**

**USSR
Econ
Aug 64**

264,043

Production of Economic Sections of Rolled Stock
in Plants of the Ukrainian SSR National Economic
Significance of Production of Economic Sections
of Rolled Stock, by G. V. I. Volobuyev, 5 pp.
RUSSIAN, per, Metallurg i Gornorud Prom,
No 1, 1964, pp 36-38.
JPRS 25606

USSR
Econ
Aug 64

264,2145

Experience in Operation of Blast Furnace Shop
at the Zaporozhstal Plant, by V. F. Bragin,
S. I. Tarasov, 5 pp.
RUSSIAN, per, Metallurg i Gornorud Prom,
No 1, 1964, pp 62-64,
JPRS 25606

USSR
Econ

JAug 64

264,146

Metallurgical Plant Imeni Petrovskiy,
by N. I. Beda, L. A. Bogomolov, 5 pp.
RUSSIAN, per, Metallurg i Gornorud Prom,
No 1, 1964, pp 67-69.
JPRS 25606

USSR
Econ
Aug 64

264,147

**Ferrous Metallurgy in the Ukrainian SSR,
by N. A. Tereshchenko, 7 pp.
RUSSIAN, per, Metal i Gornorud Prom, No 2,
1964, pp 3-6.
JPRS 26568**

**USSR
Econ
Nov 64**

268,283

Complex Automation of Metallurgical Processes,
by V. S. Kocho, 5 pp.
RUSSIAN, per, Metal i Gornorud Prom, No 2,
1964, pp 7-9.
JPRS 26568

Sci / M/M
Nov 64

268,284

Application of Automation in Ferrous Metallurgy
of the Ukrainian SSR, by K. A. Stumilov, 5 pp.
RUSSIAN, per, Metal i Gornorud Prom, No 2,
1964, pp 10-12.
JPRS 26568

USSR
Econ
Nov 64

268,285

Effectiveness of Use of Natural Gas and Oxygen-Enriched
Blast in Cast Iron Production, by S. P. Sushon, 6 pp.
RUSSIAN, per, Metal i Gornorud Prom, No 2, 1964,
pp 15-17.
JPRS 26568

Sci - M/M
Nov 64

268,286

Use of a Computer for Calculating Chemical Composition of Iron Being Poured From a Mixer Into a Converter, by K. S. Garger, I. V. Sergiyenko, et al, 5 pp. RUSSIAN, per, Metall i Gornorud Prom, No 2, Mar, Apr 1964, pp 1-20.
JPRS 25524

Sci - M /M
Aug 64

264,712

All-Union Scientific and Technical Conference
of Steelmelters, by N. P. Konashko, 5 pp.
RUSSIAN, per, Metallurg i Gornorud Prom,
No 3, May, Jun 1964, pp 77-79.
JPRS 26367

Sci - Misc
Sep 64

267,245

Task of Improving Quality of Products Now
Faces Ukrainian Metallurgical Industry, by
N. I. Goncharenko, 5 pp.
RUSSIAN, per, Metallurgicheskaya i Gornorud-
naya Promyshlennost', No 4, 1964, pp 3-5.
JPRS 28834

USSR
Econ
Mar 65

275,858

The Quality of Cast Iron Smelted at
Metallurgical Plants of the Ukraine, by G.
Ya. Rutkovskiy, 5 pp.
RUSSIAN, per, Metallurgicheskaya i Gornorud-
naya Promyshlennost', No 4, 1964, pp 6-8.
JPRS 28834

USSR
Econ
Mar 65

275,859

Basic Tasks in the Field of Raising Quality
of Rolled Stock, by V. A. Yashchenko, 5 pp.
RUSSIAN, per, Metallurgicheskaya i Gornorud-
naya Promyshlennost', No 4, 1964, pp 38-40.
JPRS 28834

USSR
Econ
Mar 65

275,860

Raising of Quality of Seamless and Electric-
Welded Pipes, by S. I. Borisov, 5 pp.
RUSSIAN, per, Metallurgicheskaya i Gornorud-
naya Promyshlennost', No 4, 1964, pp 40-42.
TIERS 28834

USSR
Econ
Mar 65

275,861

Growth of Production and Increase of
Quality of Refractories in the Ukrainian
SSR, by P. I. Tereshkov, V. A. Sazhin, 5 pp.
RUSSIAN, per, Metallurgicheskaya i Gornorud-
naya Promyshlennost', No 4, July-Aug 1964,
pp 55-57.
JPRS 28834

USSR
Econ
Mar 65

275,862

Improvement of the Technology of Under-
ground Extraction in the Nikopol' Manganese
Basin, by P. G. Nesterov, 5 pp.
RUSSIAN, per, Metallurgicheskaya i Chernorod-
nnya Promyshlennost', No 4, Jul-Aug 1964,
pp 66-68.
JPRS 28834

USSR
Econ
Mar 65

275,863

Procurement and Processing of Scrap Metal in
the Ukrainian SSR, by V. N. Shchepanskiy, 5 pp.
RUSSIAN, per, Metallurgicheskaya i Gornorudnaya
Promyshlennost', No 5, 1964, pp 27-29.
JPRS 28451

USSR
Eco
Mar 65

275,493

Amortization-Scrap at the Metallurgical Plants
of the Ukrainian SSR, by A. M. Genesin, 5 pp.
RUSSIAN, per, Metallurgicheskaya i Gornod-
naya Promyshlennost', No 5, 1964, pp 27-31.
JPRS 23451

USSR
Eco
Mar 65

275,494

Losses From Rejects in Metallurgical Plants,
by I. E. Bessmertnyy, 5 pp.

RUSSIAN, per, Metallurgicheskaya i Gornoru-
dnaya Promyshlennost', No 6, Kiev, 1961,

pp 8-10.

JPRS 28512

USER

lco

Feb 65

275,311

Ways of Lowering Fuel Consumption in Iron
Smelting, by M. Ye. Sidorov and N. I. Gayko,
5 pp.

RUSSIAN, per, Metallurgicheskaya i Gornoru-
dnaya Promyshlennost', No 6, Kiev, 1964,
pp 10-12.

JPRS 20521

USSR
Eco
Feb 65

275,345

The Degree of Mechanization of Labor in the
Steel Foundries of Metallurgical Plants, by
Ye. F. Vichisenko and V. A. Korsun, 6 pp.
RUSSIAN, per, Metallurgicheskaya i Gornoru-
dnaya Promyshlennost', No 6, 1964, pp 19-21.
JPRS 20512

USSR
Eco
Feb 65

275,346

Production and Continuous Casting of Boiler Plate
Steel, by F. M. Grigor'ev, V. G. Osipov

RUSSIAN, per, Metallurgicheskaya i Gornorudnaya
Promyshlennost', 1964, No 6, pp 69-70

3 NO 7221

Sci - Mech
July 67

322,809

*Increasing the Ductility of Stainless Steels
using Rare Earth Elements,
by N. F. Nakonechnyy.
RUSSIAN, per, Metal i Gornorud Prom, Ak Nauk
SSR Inst Tekh Informat, No 1, 1964, pp 32, 33.
*P11-11-65-1787

Sci - 11/11
Dec 65

Welding Production, by V. A. Kislik, A. F.
Troitskiy, et al, 59 pp.

RUSSIAN, bk, Metal i Gory Obra Metal, MOSCOW,
1959, pp 316-319, 327-350, 363-370. 9670165

ATIC MCL-807/1

Sci - Engr, Min/Metals

Jul 61

159,497

Metallurgy of Copper and Nickel, by A. A.
Tseidler,
RUSSIAN, bk. Metallurgiya Medi i Nikelia, 1964,
320 pp.
Dept of Inter
TR760 T7a

Sci-Materials
Jan 67

316,718

Selected Articles from Metallurgy and
Metallography (Two Parts), 551 pp.

UNCLASSIFIED

RUSSIAN, bk, Metallurgiya i Metallovedeniye,
1958, pp 1-515.

65-287-4
ATTC F-2S-9B:9/V

Sci. - Metals/Metals

Apr 60

112,801

Tungsten Distribution in Molten Iron, by V. M.
Zamoruev,

RUSSIAN, bk, Metallurgiya i Metallovedenie, 1958,
pp 25-36.

AEC NP Tr-448

130,804

Sci - Min/Met
27 Oct 60

Investigation of the Distribution of Alloying
Elements in the Crystallization of Steel, by V. M.
Fageyev, Yu. D. Smirnov,

RUSSIAN, bk, Metallurgiya i Metallovedenie, 1958,
pp 47-59.

AEC NP Tr-448

Sci - Min/Met
27 Oct 60

130, 805

Diffusion and Thermodynamic Characteristics
of Certain Dilute Solid Solutions, by M. E.
Yanitskaya, A. A. Zhukhovitskiy,

RUSSIAN, bk, Metallurgiya i Metallovedenie, 1958,
pp 98-106.

AEC NP Tr-448

Sci - Min/Met
27 Oct 60

130,806

A Study of Carbon Diffusion in Alloys Using the
Radioactive Isotope C^{14} , by P. L. Gruzin, Yu. A.
Polikarpov, G. B. Fedorov, M. A. Shumilov,

RUSSIAN, bk, Metallurgiya i Metallovedenie, 1958,
pp 119-129.

AEC NP Tr-448

Sci - Min/Mat
27 Oct 60

130,807

An Investigation of Cobalt Diffusion in Nickel-
Component Alloys of the Ferrite and Ferrite-
Austenite Type, by S. D. Gertsriken, I. Ya.
Dekhtyar, L. M. Kumok, E. G. Madatova,

RUSSIAN, bk, Metallurgiya i Metallovedenie, 1958,
pp 130-140.

AEC NP Tr-448

Sci - Min/Mat
27 Oct 60

130,800

A Study of Cobalt Diffusion in Nickel - Molybdenum
Alloys, by H. D. Gertsriken, I. Ya. Dekhtyar,
V. S. Mikhailenkov,

RUSSIAN, bk, Metallurgiya i Metallovedenie, 1958,
pp 176-187.

AEC NP Tr-448

Sci - Min/Mat
27 Oct 60

130,801

Study of Diffusion in Zirconium and in Certain
Alloys With a Zirconium Base, by E. V. Borisov,
Yu. G. Godin, P. L. Gruzin, A. I. Evstyukhin, V.
S. Emel'yanov,

RUSSIAN, bk, Metallurgiya i Metallovedenie, 1958,
pp 196-209.

AEC NP Tr-448

Sci - Min/Mat
27 Oct 60

130,802

An Investigation of Iron Diffusion in Alloys of
of the Iron - Chromium System, by A. Ya.
Shinyayev,

RUSSIAN, bk, Metallurgiya i Metallovedenie, 1958,
pp 210-218.

AEC NP Tr-448

Sci - Min/Met
27 Oct 60

130,803

The Influence of Alloying On the State of Carbon
Atoms in Alloys, by Yu. F. Babikova, P. L. Gruzin,
RUSSIAN, bk, Metallurgiya i Metallovedenie, 1958,
pp 236-247.

AEC NP Tr-448

130,796

Sci - Min/Met
27 Oct 60

An Investigation of Diffusion of Iron Oxides in Basic
Refractories, by E. A. Prokof'eva, V. V. Goncharov,
~~et al.~~

RUSSIAN, bk, Metallurgiya i Metallovedenie, 1958,
pp 248-255.

AEC NP-Tr-448

Sci - Min/Met.
27 Oct 60

130,797

An Investigation of the Diffusion Processes of
Iron and Chromium in the Oxides -Al₂O₃,
-Cr₂O₃, NiCr₂O₄ and NiAl₂O₄, by D. V. Ignatov,
I. N. Balokurova, I. N. Belyanin,

RUSSIAN, bk, Metallurgiya i Metallovedenie, 1958,
pp 256-264.

AEC NP Tr-448

Sci - Min/Met
27 Oct 60

130,798

The Use of Isotopes in the Study of Atomic Mobility
and Interatomic Interaction in Metals, by E. Z.
Vintaykin, P. I. Gruzin, S. N. Fedorov,

RUSSIAN, bk, Metallurgiya i Metallovedenie, 1958,
pp 278-284.

AEC NP Tr-448

Sci - Min/Met
27 Oct 60

130,799

The Influence of Aluminum on the Tendency of
Steel to Produce a Stone-Like Fracture, by A. M.
Polyakova, L. V. Smirnov, V. D. Sadovskiy,

RUSSIAN, bk, Metallurgiya i Metallovedenie, 1958,
pp 304-315.

AEC NF Tr-140

Sc1 - Min/Met
27 Oct 60

130,792

Investigation by Radiography of Carbon Distribution
in Ferroalloys, by A. S. Zav'yalov, B. I. Bruk,

RUSSIAN, bk. Metallurgiya i Metallorodstva, 1958,
pp 316-330.

AEC NP Tr-448

Sci - Min/Met
27 Oct 60

130,793


Quantitative Evaluation of Dendritic Segregation
Steel Through Autoradiography Without the Use of
Standards, by M. F. Longinov,

RUSSIAN, bk, Metallurgiya i Metallovedenie, 1958,
pp 387-392.

AEC MF Tr-448

Sci - Min/Met
27 Oct 60

130,788

Application of a Quantitative Autoradiography
Method to the Investigation of Microinhomogeneity of
Magnesium Alloys, by Z. A. Sviderskaya, M. E. 
Drita, E. S. Kadaner,

RUSSIAN, bk, Metallurgiya i Metallovedenie, 1958,
pp 393-409.

ABC NP Tr-448

Sci .. Min/met

27 Oct 60

130,789

Concerning the Possibility of Autoradiographic
Detection of Nonuniformities in Concentrations
of Adsorptive Origin, by V. I. Arkharov, V. S.
Galichev, S. M. Klotzman, A. N. Timofeyev,

RUSSIAN, bk, Metallurgiya i Metallovedenie, 1958,
pp 410-421.

AEC NP Tr-448

Sci - Min/Met
27 Oct 60

1301790

Investigation of Mixing and Diffusional Processes
in Welded Joints of Two-Layer Rolled Steel, by
E. M. Kuzmak, N. P. Karuzhinov,

RUSSIAN, bk, Metallurgiya i Metallovedenie, 1958,
pp 436-449.

AEC NP Tr-448

Sci - Min/Met
27 Oct 60

130,791

Influence of Fast-Neutron Irradiation of Recombination of Electrons and Holes in Germanium Crystals,
by V. S. Vavilov, A. V. Spitsyn, L. S. Smirnov,
M. V. Chukichev,

RUSSIAN, bk, Metallurgiya i Metallovedenie, 1958,
pp 450-458.

AEC HP Tr-448

Sci - Min/Met
27 Oct 60

130,784

Investigation of the Ni Fe Superlattice by the
Neutron Diffraction Method, by B. G. Lyashchenko, D. F.
Litvin, I. M. Puzey, Yu. G. Abov,

RUSSIAN, bk, Metallurgiya i Metallovedenie, 1958,
pp 459-469.

AEC NP Tr-448

Sci - Min/Met
27 Oct 60

130,785

The Effect of Neutron Irradiation on the
Martensitic Transformation, by O. P. Maksimova,
A. I. Zakharov,

RUSSIAN, bk, Metallurgiya i Metallovedenie, 1958,
pp 470-483.

ABC NP Tr-448

Sci - Min/Net
27 Oct 60

130,786

Experiment on the Use of Tritium for the
Determination of ~~THE~~ Hydrogen in Metals, by A. I.
Chishikov, V. K. Boyarshinov,

RUSSIAN, bk, Metallurgiya i Metallovedenie, 1958,
pp 489-498.

ABC NP Tr-448

Sci - Min/Met
27 Oct 60

130,787

The Use of Radioactive Isotopes for the
Production and Investigation of Selenium
Rectifying Elements, by N. V. Yur'ev,

RUSSIAN, bk, Metallurgiya i Metallovedenie, 1958,
pp 511-523.

ABC NP Tr-448

Sci - Min/Met
27 Oct 60

130,780

Application of Tritium to Welding and Radiography
With Tritium, by B. I. Bruk, G. I. ~~NIKOLAYEV~~ Nikolayev,

RUSSIAN, bk, Metallurgiya i Metallovedenie, 1958,
pp 535-544.

AEC NP Tr-448

Sci - Min/Met
27 Oct 60

130,781

The Use of Scintillation Apparatus for
Measuring the Radiation of Two-Component
Gamma-Radioactive Alloys (Fe^{59} , & Cr^{51}), by
N. P. Ivanchov, L. I. Ivanov,

RUSSIAN, bk, Metallurgiya i Metallovedenie, 1958,
pp 545-551.

AISC NF Tr-448

Sci - Min/Met
27 Oct 60

130,782

Introduction, by V. S. Yanel'yanov, A. I.
Yevstyukhin, 2 pp.

RUSSIAN, per, Metallurgiya i Metallovedeniye
Chistykh Metallov, No 1, 1959, pp 5, 6.

JPRS 2920

Sci - Min/Met

Oct 60

Investigation of the Electrolytic Production of
Thorium, by A. I. Yevstyukhin, V. S. Yemel'yanov,
G. A. Leont'yev, 34 pp.

RUSSIAN, per, Metallurgiya i Metallovedeniye
Chistykh Metallov, No 1, 1959, pp 7-35.

JPRS 2920

Sci - Min/Met

Oct 60

Design of an Electrolyzer With Automatic Com-
pacting Cathodes for Electrolysis of Fused Thorium
Salts, by A. I. Yevstuykhin, G. A. Leont'yev,
9 pp.

RUSSIAN, per, Metallurgiya i Metallovedeniye
Chistykh Metallov, No 1, 1959, pp 36-43.

JPRS 2920

Sic - Min/Met

Oct 60

An Improved Method of Preparing Iodide Chromium
and Its Properties, by V. S. Yemel'yanov, A. I.
Yevstyukhin, D. D. Abanin, V. I. Statsenko, 23pp.

RUSSIAN, per, Metallurgiya i Metallovedeniye
Chistykh Metallov, No 1, 1959, pp 44-62.

JPRS 2950

Sci - Min/Met

Oct 60

(NY-3913)

13

Production of Ductile Hafnium by the Iodide
Method, by V. S. Yemel'yanov, P. D. Bystrov,
A. I. Yevstyukhin, 9 pp.

RUSSIAN, bk, Metallurgiya i Metallovedniye
Chistykh Metallov, No 1, 1959, pp 63-69.

JPRS 5145

Sci - Min/Metals

Aug 60

124,140

(NY-3913)

13

Investigation of the Iodide Process for Producing Zirconium, Employing Zirconium Carbide as Raw Material, by A. I. Yevstuyukhin, I. P. Barinov, D. D. Abanin, 7 pp.

RUSSIAN, bk, Metallurgiya i Metallovedeniye Chistykh Metallov, No 1, 1959, pp 78-83.

JPRS 5145

Sci - Min/Metals

Aug 60

124,142

(NY-3913)

13

Concerning the Method of Regeneration of Zirconium
and Iodine in the Iodide Refining Process, by
A. I. Zevstyukhin, A. A. Bakakina, 8 pp.

RUSSIAN, bk, Metallurgiya i Metallovedeniye
Chistykh Metallov, No 1, 1959, pp 84-90.

JPRS 5145

Sci - Min/Metals

Aug 60

124,143

(NY-3913).

Production and the Physical Metallurgy of Pure
Metals -- Part IV -- Investigation of the Process
of Thermal Reduction of BeF_2 With Magnesium, by
A. I. Yevstyukhin, 17 pp.

RUSSIAN, per, Metal i Metall Chistykh Metall, No 1,
1959, pp 91-105.

JPRS 2901

Sci - Min/Met
Jul 60

119,856

13

(NY-3913)

Electronographic and Kinetic Investigation of the
Process of Oxidation of Zirconium and Certain
Alloys on Its Base, by I. I. Korobkov, D. V.
Ignatov, A. I. Yevstyukhin, V. S. Yemel'yanov,
23 pp.

(RUSSIAN, bk, Metallurgiya i Metallovedeniye
Chistykh Metallov, No 1, 1959, pp 144-161.

JPRS 5167

Sci - Min/Metals

Aug 60

124,175

(NY-3913)

13

Diffusion of Zirconium and Tin in Tin Alloys of
Alpha-Zirconium, by G. B. Fodorov, V. I. Zhonov,
20 pp.

RUSSIAN, bk, Metallurgiya i Metallovedeniye
Chistyykh Metallov, No 1, 1959, pp 162-169.

JPRS 5167

Sci. - Min/Metals

Aug 60

124, 176

(IR-5923)

13
Diffusion of Zirconium and Tin in Tin Alloys of
Beta-Zirconium, by G. B. Fedorov, V. D. Gulyakin,
12 pp.

RUSSIAN, bk, Metallurgiya i Metallovedeniye
Chistykh Metallov, No 1, 1959, pp 170-178.

JPRS 5167

Sci - MLN/Metals

Aug 60

124,177

(NY-3913)

13

Constitutional Diagram of Zirconium-Niobium, by
Yu. F. Bychkov, A. N. Rozanov, D. M. Skorov, 17 pp.

RUSSIAN, bk, Metallurgiya i Metallovedeniye
Chistykh Metallov, No 1, 1959, pp 179-191.

JPRS 5179

Sci - Min/Metals

Aug 60

124,171

(NY-3913)

13

Application of the Radioactive Isotope C^{14} For
Studying Electrolytic Transfer of Carbon in
Metals and Alloys, by Yu. F. Babikova, P. L.
Gruzina, 17 pp.

RUSSIAN, *Metallurgiya i Metallovedeniya*
Chistykh Metallov, No 1, 1959, pp 200-212.

CUPHS 5179

Sci - Min/Metals

Aug 60

124, 173

13

(NY-3913)

Self-Diffusion of Molybdenum and Diffusion of Tungsten in Molybdenum, by Ye. V. Borisov, P. L. Gruzin, L. V. Pavlinov, G. B. Fedorov, 8 pp.

RUSSIAN, bk, Metallurgiya i Metallovedeniye Chistykh Metallov, No 1, 1959, pp 213-218.

JPRS 5195

Sci - Min/Metals

Sep 60

125,400

13

(NY-3913)

Diffusion in High-Temperature Alloys on a Cobalt Base, by P. L. Cruzin, G. B. Fedorov, 9 pp.

RUSSIAN, bk, Metallurgiya i Metallovedeniye Chistykh Metallov, No 1, 1959, pp 219-223.

JPRS 5195

Sci - Min/Metals

Sep 60

125,401

(NY-3913)

13

Changes in Physical Properties During Decomposition
of the β -Phase in an Alloy of Zirconium With
15% Niobium, by Yu. F. Bychkov, A. N. Rozanov,
8 pp.

RUSSIAN, bk, Metallurgiya i Metallovedeniye
Chistykh Metallov, No 1, 1959, pp 224-230.

JPRS 5195

Sci - Min/Metals

125,402

Sep 60

13

(NY-3913)

Effect of Alloying on Young's Modulus of
Zirconium, by Yu. F. Bychkov, A. F. Klimov,
A. N. Rozanov, D. M. Skorov, 17 pp.

RUSSIAN, bk, Metallurgiya i Metallovedeniye
Chistykh Metallov, No 1, 1959, pp 231-243.

JPRS 5195

Sci - Min/Metals

125,403

Sep 60

(NY-6171)

Metallurgy and Metallography of Pure Metals, by V. S. Yemel'yanov, A. I. Yevstyukhin, 337 pp.

RUSSIAN, bk, Metallurgiya i Metallovedeniye
Chistykh Metallov, No 2, 1960, pp 1-335.

JPRS 9473

Sci - Min/Metals

Jul 61

158, 227

Niobium Iodide and Some of Its Properties,
by V. S. Yamalyanov, A. I. Yevstyukhin,
G. A. Leontyev, 39 pp.

RUSSIAN, bk, Metallurgiya i Metallovedeniye
Chistykh Metallov, Sbornik Nauchnykh Rabot,
No 2, 1960, pp 27-45. 9870989

FED MCL-958/1

Sci - Chem

169,308

Sep 61

Handwritten:
7M9 521 No 490

Some Properties of Ternary - β Solid Solutions
of Zirconium With Niobium and Molybdenum,
by Yu. F. Bychkov, V. V. Vlasov, 21 pp.
RUSSIAN, per, Metallurg i Metallov Chistykh
Metallurg, No 3, 1961, pp 82-95.
FTD-HT-64-423

Sci - M/M
Apr 65

277,880

Investigation of the Oxidation Kinetics of
Iodide Hafnium in the Temperature Range From
600 to 1000°C, by A. I. Yevstyukhin,
I. I. Korobkov, et al, 15 pp.

RUSSIAN, bk, Metallurgiya i Metallovedeniye
Chistykh Metallov, Sbornik Nauchnykh Rabot
Pod Redaktsiye, Gosatomizdat, Moscow, Vol III,
1961, pp 64-73. 9683131

FTD-TT-62-1288

Sci-M & M
Jun 63

232,427

Some Properties of Triple B-Solid Solutions of
Zirconium With Niobium and Molybdenum, by
Yu. F. Bychkov, V. V. Vlasov.
RUSSIAN, Dokl. Metallurgiya i Metalloved. Metallov
No 3, 1961, pp 82-95.
*FTD-MT-64-423

Sci
Oct 64

Zone Melting of Niobium by the Arc Method, by
A. I. Yevstyukhin, V. V. Nikishanov, et al,
13 pp.

RUSSIAN, bk, Metallurgiya i Metallovedeniye
Chistykh Metallov, Sbornik Nauchnykh Rabot
Pod Redaktsiye, Gosatomizdat, Moscow, Vol III,
1961, pp 152-162. 9683131

FTD-TT-62-1288

Sci- M & M
Jun 63

232,428

Investigation of the Oxidation Kinetics of
Niobium, by B. N. Revyakin, I. I. Korobkov,
et al, 11 pp.

RUSSIAN, bk, Metallurgiya i Metallovedeniye
Chistykh Metallov, Sbornik Nauchnykh Rabot
Pod Redaktsiye, Gosatomizdat, Moscow, Vol III,
1961, pp 175-182. 9683131

FTD-TT-62-1288

232,429

Sci- M & M
Jun 63

Diffusion Mobility of Lithium in Iron and
Steels, by N. M. Beskorovayniy, V. S. Yeremeyev,
et al, 18 pp.

RUSSIAN, bk, Metallurgiya i Metallovedeniye
Chistykh Metallov, Sbornik Nauch Rabot Pod
Redaktsiye, Gosatomizdat, Moscow, Vol III,
1961, pp 233-248. 9683131

FTD-TT-62-1288

232,424

Sci-M & M
Jun 65

The Solubility of Metals in Carbon, by
Yu. G. Godin, A. I. Yevstyukhin, et al, 7 pp.

RUSSIAN, bk, Metallurgiya i Metallovedeniye
Chistykh Metallov, Sbornik Nauch Rabot Pod
Redaktsiye, Gosizdatstat, Moscow, Vol III,
1961, pp 284-289. 9683131

FTD-TT-62-1288

Sci-M & M
Jun 63

232,425

On the Formation of Scale With A 6 Zr O2. NB2 05
Structure on Alloys of Zirconium With Niobium,
by Yu. F. Bychkov, V. A. Ivanov, et al.

RUSSIAN, bk, Metallurgiya i Metallovedeniye
Chistykh Metallov, No 4, 1963, pp 47-57.

*FTD-MT-64-504
GOV'T USE ONLY

Sci - Ma
Nov 64

Stability and Thermodynamic Characteristics of
Nickel-Chromium Alloys, by G. B. Fedorov,
M. A. Gerasimov.
USSR, Metallurgiya i Metallovedenie Chisl'nykh
Metallurg, Vol IV, 1953, pp 110-120.

001-111/216
2161-401

Soviet Research in Production and Physical Metallurgy of Pure Metals, by V. S. Yemel'yanov, A. I. Yevstyukhin, et al, 162 pp.

RUSSIAN, bk, Metallurgiya i Metalloved chistykh metallov, 31 May 1963, pp 5-10, 18-33, 47-63, 69-109, 122-148, 160-181, 228-242.

JPRS 22697

**Sci-Mat & Met
Jan 64**

247, 002

The Value of the Self-Diffusion Parameters
of Zirconium, by G. B. Federov.
RUSSIAN, per, Metallurg. i Metallov. Chist.
Metall., Vol 4, 1963, pp 34-40.
NLL Ref: 9091.9F 1965 (AERE-Trans-1030)

Sci-M&M
June 66

302,244

Diffusion and Thermodynamic Properties of Nickel-
Chromium Alloys, by G. B. Federov.

RUSSIAN, per. Met i Metallov Chist Metal. Mosk
Inzh-Fiz Inst., No 4, 1963, pp 110-121.

REL 9022.4 (66/249)

Sci-Lat
Jul 68

361,657

Metallurgy and Metallography of Pure Metals,
Symposium No 5., V. S. Erel'yanova and A. I.
Evstyukhina,
RUSSIAN, bk, Metallurgiya i Metallovedenie
Chistykh Metallov, Vpy. : 5.
*CB

Sept 66

Thermal Dissociation of Molybdenum
Chlorides, by Linsl'yanov, et al.

RUSSIAN, per, Met. i. Metalloved.

Chistykh Metal. Sb. Nauch. Rabot,

No 3, 1961, pp 137-151.

*BISI 4481

Sci/Eng

Oct 65

Diffusion and Thermodynamic Characteristics of
Nickel-Chromium Alloys, by G. B. Fedorov,
E. A. Svirnov. 12 pp-
RUSSIAN, per, Metallurgiya i Metallovedenie
Chistykh Metallov, Moskovskii Inzhenerno Fizicheskii
Institut, Sbornik Nauchnykh Rabot, No 4, 1963,
pp 110-121.
AEC AERL-tr-1031

Sci/Materials
Apr 67

329,682

Study of Alloys of the Rhenium-Carbon System,
by A. I. Evstyukhin, Yu. G. Godin, et al, 15 pp.
RUSSIAN, per, Metal i Metal Chistykh Metal, Sbornik
Nauch Rabot, No 4, 1963, pp 149-159. 9226772
ABC-LA-Tr-64-31

Sci-M/M
Feb 65

273,212

Study of Diffusion of Carbon and Molyb-
denum in Chromium, by P. L. Gruzin,
S. V. Zonskiy, et al.

RUSSIAN, per, Metal i Metal Chist Metal
Vypusk IV, 1963, pp 243-250. 9229971

ADJ-TR-1032

Sci - Chem
Jun 66

294,267

Soviet Superconductor Research, 91 pp.
RUSSIAN, bk, Metallovedeniye i Metallofizika
Sverkhprovodnikov, Trudy I Soveshchaniya po
Metallovedeniyu i Metallofizike Sverkhprovodni-
kov, 25-27 Maya 1964 g.
JPRS 36575

USSR
Sci-M/M
Aug 66

308,146

Metallurgy of Rare Metals, by A. N. Zelikman
and G. E. Krein, et al,
RUSSIAN, in, Metallurgiya Redkikh Metallov,
1964, 467 pp.
CPSTI TT 65-50137
NASA TT F-359

Sci-Materials
Nov 66

313,908