

(FDD 27819)

Possible Methods of Extracting Zinc at Ural Copper
Smelting Plants, by V. I. Saimov, 13 pp.

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Recon - Tech

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Determination of the Current Efficiency in Industrial Electrolyzers to Obtain Aluminum by Means of Radioactive Tracers, by S. I. Rempel' R. B. Popov, 13 pp.

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Sci - Electronics
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Belyaev, A. I.
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BÄDER UND MÖGLICHKEITEN ZU SEINER VERBES-
SERUNG. (Electrolyte for Industrial Aluminum Baths
and Possibilities to Improve It). 18p.
Order from TIB \$2.80

Trans. in German of Tsvetnye Metally (USSR) 1956
[v. 29] no. 5, p. 54-60.

DESCRIPTORS: *Electrolytes, *Aluminum.

(Metallurgy--Light Metals, TT, v. 9, no. 11)

62-27312

I. Belyaev, A. I.
II. Technische Informations-
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On the Nature of the Anodic Effect in the Electrolysis
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pp 55-57.

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(PDD 27020)

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by G. B. Grinshteyn, 10 pp.

RUSSIAN, no per, Tsvet Met., No 1, Moscow, Jan 1956,
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CIA/PDD U-8643

UCCR

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Econ - Tech

Formation of Sulphates in Furnaces During the
Melting of Aluminium Alloys and Their Reactions
with Aluminium, by A. L. Belyaev.

RUSSIAN, per, Tsvetnye Metally, No 3, 1956, pp 58-
63.

NLL Ref: 8662.8 (B-TM-265-67)

Sci-Mat

Aug 68

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On the Kinetic Equations of the Flotation
Process, by I. N. Flaksin, V. I. Klassen,
G. S. Berger.

RUSSIAN, per, Tsvetnye Metally, Vol XXIX,
Moscow, No 4, 1956, pp 22-24.

Dept of Interior
TN7, E57, No 125
Bu of Mines
Br of Bituminous Coal Res

Sci - Phys

Nov 59

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Belyayev, A. P. and Gol'shteyn, R. M.
HYDROGEN CONTENT OF PRIMARY ALUMINIUM
INGOT. [1960] 7p. 4 refs.
Order from LC or SLA m\$1.80, ph\$1.80 61-10718

Trans. of Tsvetnyye Metally (USSR) 1956 [v. 29] no. 5,
p. 61-63.

Determinations were made of gas (hydrogen) content in
aluminum ingots treated with chlorine as produced by
"GlavAluminiy" plants. The hydrogen content of pri-
mary aluminum "ingot" was found to be negligible.
Ingots of standard brands AOO, AO, A1, A2 contained
from 0.1 to 0.25 cm³/100g of metal. Ingots of high
purity aluminum (ABOOO) contained up to 0.35
cm³/100g of metal.

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

61-10718

1. Hydrogen--Determination
2. Aluminum castings--
Chemical analysis
1. Belyayev, A. P.
- II. Gol'shteyn, R. M.

151830

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The Interpolar Distance as a Factor Influencing
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pp 55-58.

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Jul 61

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Neutralizing the Deleterious Effect of Lead in
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RUSSIAN, per, Tsvetnye Metally, No 7, 1956, pp 68-72.

Primary Sources
CR-877

Sci - Min/Met
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Report of the 23-31 May 1956 4th Scientific-
Technical Conference of the Irkutsk Institute of
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RUSSIAN, per, Tsvetnyye Metally, No 8, 1956, 2 pp.

CIA/FDD X-4811

Sci - Min/Met

Mar 62

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DC-58

Production Processes in Enterprises of Nonferrous
Metallurgy Must Be Automatized, 13 4 pp.

RUSSIAN, ser, Tsvetnyye Metally, No 9, Moscow,
1956, pp 1-4.

US JPRS/DC-L-1152

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Sci - Minerals/Metals

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Dec 58

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RUSSIAN, per, Tsvetnye Metally, Vol XXIX, No 9, 1956, pp 62-67.

ATS RJ-1175

Sci - Min/Met
Apr 60

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Lead Smelting in Electric Furnaces, by Ya. U. Malkin.

RUSSIAN, per Tsvetnye Metally, No 11, 1956,
pp 36-42.

Primary Sources
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Sci - Min/Met
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Means of Lowering the Cost of Refining Copper at
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Molotov, 6 pp. UNCLASSIFIED

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AID/Dec 57

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Current Distribution in the Electrodes of an
Aluminum Cell, by M. A. Korobov, 9 pp.

RUSSIAN, per, Tsvetnye Metally, Vol XXX, 1957,
pp 49-56.

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Morris D. Friedman
K-167 - 5.00

Sci - Electricity
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Current Methods of Beryllium Technology, by G. F.
Silina, et al.

RUSSIAN, per, Tsvetnye Metal, Vol XXX, No 1, 1957,
pp 66-71.

ATS RJ-1309

Sci - Min/Met
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Extracting Iron From Zinc Concentrates, by L.B.
Debrivnaya

RUSSIAN, per, Tsvetnye Metally, No 2, 1957, pp 5-8.

Primary Sources
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Sci - Min/Met
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NLL 11.2.57.

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Ust-Kamenogorsk Combine, by V. E. Lunev, V. I.
Chuprikov.

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Sci - Engr

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The Rate Characteristics of Presses for Non-Ferrous
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Diffusion of Sulfur in Nickel, by
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Sci - Chem
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Sai - Engr

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Hydrolytic Precipitation of Copper in Leaching
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Sci -
Jul 67

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Study of the Behavior of Antimony During the
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SLA 60-23582

Sci

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A Critique of an Article by N. P. Zhetvin, V. K.
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CIA/FDD X-3035

Sci - Minerals/Metals
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by T. G. Begunova, 12 pp. UNCLASSIFIED

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US JPRS/DC-L-401

USSR

Econ - Nonferrous Metallurgy Nickel
Jun 58

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Manufacture of Copper With Low Oxygen Content,
by D. G. Butomo, et al. UNCL

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DSIR LLW RTS 1040

15s. O3.

Sci - Chem

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Econ

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COMPLETE EXTRACTION OF MOLYBDENUM AND
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MOLYBDATE PRODUCTION (Doizvlecheniye Molibdena
i Renniya iz Matechnykh Rastvorov Proizvodstva
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Order from ATS \$14.85

ATS-71M44R

Trans. of Tsvetnyye Metally (USSR) 1957, v. 30,
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RT-3336

(Metallurgy, TT, v. 5, no. 10)

- 61-3207
1. Molybdenum--Separation
 2. Rhenium--Separation
 3. Calcium molybdate--
Production

I. Kovyrshin, V. G.

II. Apollonov, V. K.

III. ATS-71M44R

IV. Associated Technical Ser-
vices, Inc., East Orange,
N. J.

108829

Office of Technical Services

Flash Roasting of Nonferrous Sulfide to Sulfate
Ores, by G. Ya. Leizerovich, et al.

or Leizerovich h
RUSSIAN, per, Tsvetnye Metally, Vol XIII, No 9,
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Henry Bratcher 4411
\$3.40

Sci- Engr

CSIRO

Jan 59

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Form in Which Nonferrous Metals Are Lost
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Sci - Min/Met, Engr
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Nonferrous Metallurgy on the ~~Muzen~~ Upsurge, by I. A.
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The Mineral and Raw Material Base for the USSR Non-ferrous Metallurgical Industry on the Fortieth Anniversary of the Great October Socialist Revolution, by P. Ya. Antropov, 10 pp. UNCLASSIFIED

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US JPRS/DC-L-330

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Econ - Nonferrous Metallurgy

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A New Upsurge of Mass Inventions in the Technology
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US JPRS/DC-L-331 /

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Lead and Zinc Metallurgy in the USSR, BY N. P.
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The Development of the Nickel and Cobalt
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May 58

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Development of Secondary Nonferrous Metallurgy in the
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The Krasnoural'sk Plant, the Firstborn of the Copper
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16 pp. UNCLASSIFIED

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The Economic Effectiveness of Advanced Methods for
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May 58

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Extraction of Tellurium From Certain Products of Lead
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May 58

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Properties of the Electrolyte of Industrial
Aluminum Electrolyzers, by N.I. Novikov.

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Primary Sources
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Sci- Phys
Jul 61

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Primary Sources
SMT-1137

Sci - Chem
Jul 61

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Sintering of Columbian Powder, by O/ P. Kolchin,
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Henry Bratcher 4415
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Sci - Engr

Jan 59

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Flocculating Agents for Accelerated Thickening and
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Yakobovich,.

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ATS 82K23R

FJ-1539

Sci

May 59

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{10s. 04.}

Sci - Min/Met
Mar 60

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Glazunov, L. A., Mitrefanov, S. I., and
Ratnikova, O. A.

THE OXYGENATED STATE OF PULP DURING SE-
LECTIVE FLOTATION OF LEAD-COPPER-ZINC-
PYRITIC ORE (Kislorodnyi Rezhim Pul'py v Protseesse
Selektivnoi Flotatsii Svintsova-Medno-Tsinkova-
Pirritnoi Rudy). Dec 61 [18]p. 4 refs. RTS 1905.
Order from OTS or SLA \$1.60

62-13752

Trans. of Tsvetnye Metally (USSR) 1958, v. 31, no. 2,
p. 1-6.

DESCRIPTORS: *Lead, *Copper, *Zinc, *Pyrites,
*Ores, *Flotation, Oxygen, Determination, Sodium
compounds, Sulfides, Oxidation, Reagents, Minerals,
Sulfate pulp.

Determination of a pulp oxygen content in the process-
ing at the Belousevskii beneficiation plant for direct
(Metallurgy, TT, v. 7, no. 8) (over)

62-13752

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- II. Mitrefanov, S. I.
- III. Ratnikova, O. A.
- IV. RTS-1905
- V. Department of Scientific and
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201384

Office of Technical Services

Roasting of Zinc Concentrates in a Fluid Bed
in Air Enriched With Oxygen, by B. I.
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RUSSIAN, per, Tsvetnye Met, No 2, 1958,
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Sci - Chem

Dec 59

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Classifying Zinc Ashes, by A. P. Smurnikov.
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RUSSIAN, per, Tsvetnyye Metally, Vol XXXI, No 2,
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DSIR LIU RPS 1407

(10s. Od.)

Sci - Min/Mat
Apr 60

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10 893

GE-1

I. L. PERLIN, N. M. BOGORAD, V. A. FEDORCHENKO

Compression of beryllium, zirconium, uranium and thorium

Pressen von Beryllium, Zirkon, Uran und Thorium

Tsvetnye Metally, 31, No. 2, 68-76 (1958)

German

E u r a t o m

Development of Equipment for Removal of Excess
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Copper-Zinc Concentrates at a High Productivity,
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1958, pp 30-38.

OTS 60-23563
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(Ll. Os. Od.)

Sci - Min/Mot
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The Hydrometallurgical Treatment of High Silica
Zinc Concentrates, by A. D. Mayants, F. I. Barotit-
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RUSSIAN, per, Tsvetnyye Metally, Vol XXXI, No 3,
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DSIR LLU RTS 1594

Sci - Min/Met

Oct 60

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How the Nature of Diaspore in the Bauxite Ores
Determines the Grade of Its Extraction by Leaching,
by V. A. Bernstein, E. A. Matsenok.

RUSSIAN, per, Tsvetnye Metally, No 3, Moscow, 1958,
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Dept of Interior
TN7, E57, No 72

Sci - Min/Met

Nov 59

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Plastic Properties and Microstructure of
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SLA 60-13600

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Sci - Engr
Sep 58

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More Attention to Implementation of New Tech-
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2 pp.

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US JPRS/DC-L-596

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Sci - Engr
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Place for Autoclave Hydrometallurgy in the
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I. N. Maslenitskiy.

RUSSIAN, per, Tsvetnyye Metally, Vol XXXI, No 4,
1958, pp 1-5.

SLA 60-19975
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Sci - Min/Metals

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Survey of the Present State of Zinc Electrolysis,
by G. N. Pakhomova,

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Some Questions Relating to the Further
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Gusev, Ya. N. Shvartsman. UNCL

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075 60-23805
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Sci - Min/Met
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An Electrothermic Method of Zinc Distillation
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The Carbide Method of Producing a Lead-Calcium
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DSIR LLU RTS 1520

Sci - Chem

Oct 60

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Oreshko, N. A.
THE IMPROVEMENT IN THE TECHNIQUE, AND THE
INCREASE IN THE PRODUCTIVITY, OF SEMI-CON-
TINUOUS CASTING AT THE VOLKHOV ALUMINUM
PLANT [Sovershenstvovanie i Intensifikatsiya Protseesa
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Zavode]. Jan 60.
Order from MT 41 is MT Trans-55

Trans. of Sovetskoye Metallo (USSR) 1958, v. 31, no. 4,
p. 74.

DESCRIPTORS: *Castings, Production, *Industrial
production, USSR.

MT-55

(Machinery--Manufacturing, TT, v. 6, no. 5)

61-22846

- I. Oreshko, N. A.
- II. MT Trans-55
- III. Tollemache, M. de O.
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180559

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US JPRS/DC-L-595

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Sci - Minerals/Metals
Feb 59

5.00

MT-119

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Over-all Automation of a Bauxite Wet Grinding
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JPRS-1977-N

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Econ - Tech - nonferrous metals

Dec 59

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Automation of Technical Processes in Titanium-
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RUSSIAN, per, Tsvetnyye Metally, No 6, 1958,
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Sci - Min/Met
Sep 59

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Sci - Minerals, Metals
Dec 58

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151838

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(loan)

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Dec 58

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Dec 58

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GE-1

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HB 4488

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Sci - Min/Met
Jun 59

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Sci - Minerals, Metals
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Sci - Engr
May 59

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Sci - Min/Met
Jul 61

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(7s. 6d.)

Sci - Min/Met

Apr 60

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