

(NY-65100)

For an Integrated Transport System in  
the USSR, by V. I. Petrov, 17 pp.

RUSSIAN, par, Zhelezнодорожный Transport,  
No 11, 1961, pp 8-15.

JPRS 13285

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(NY-5100)

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RUSSIAN, per, Zhелеznodorozhnyy Transport,  
No 11, 1961, pp 16-20.

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fication, by A. F. Protarshiy, 12 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport,  
No 11, 1961, pp 21-26.

JPRS 13245

USSR  
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(NY-5100)

High Train Traffic Speeds and the Improvement of the Transport Process, by  
A. D. Karetnikov, 10 pp.

RUSSIAN, per, Zhelezodorozhnyy Transport,  
No 11, 1961, pp 26-31.

JPRS 13285

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(NY-5100)

Forecasting the Volume of Rolling Stock  
Traffic by Electronic Computers, by  
L. P. Tulupov, G. I. Livshin, 9 pp.

RUSSIAN, par, Zheleznodorozhnyy Transport,  
No 11, 1961, pp 51-54.

JPRS 13285

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(NY-5100)

Mechanization and Automation of the  
Recording and Information on Train and  
Freight Operations, by A. I. Ol'khovoy,  
12 pp.

RUSSIAN, per, Zhелеznodorozhnyy Transport,  
No 11, 1961, pp 63-67.

JPRS 13285

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LOCOMOTIVE AND RAILWAY CAR MANAGEMENT ON  
RUMANIAN RAILROADS, BY KONSTANTIN STOYAN, 7 PP.

RUSSIAN, PER, ZHELEZNODORZHNYI TRANSPORT, NO 12,  
1961, PP 13-18.

ACSI 1-1166  
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Tractors and Track Maintenance on the Rumanian  
National Railways, by Marin Meroiu, 5 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport, No 12,  
1961, pp 22-24.

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ID 2198513

EUR - Rumanian  
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)NY-5100)

FOR THE UNIFICATION OF PUBLIC AND INDUSTRIAL  
RAILROAD TRANSPORT, BY YA. N. KRIVENKO,  
8 PP.

RUSSIAN, PER, ZHELEZNODOROZHNIY TRANSPORT, NO 12,  
1961, PP 43-46.

JPRS 13867

USSR  
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(NY-5100)

THE RAILROADS BETWEEN 1960 AND 1980: THEIR TECHNICAL  
AND FINANCIAL DEVELOPMENT, BY B. P. BESHCHEV,  
17 PP.

RUSSIAN, PER, ZHELEZNODOROZHNIY TRANSPORT, NO 1,  
1962, PP 1-17.

JPRS 13867

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JUN 62

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(NY-5100)

PRICE FORMATION ADN THE RATES OF RAILROAD  
TRANSPORT, BY I. V. IVLIYEV, 5 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT, NO 1,  
1962, PP 11-17.

JPRS 13867

USSR  
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(NY-5100)

AUTOMATION AND MECHANIZATION OF THE PROCESSES  
OF OPERATIONAL PLANNING, BY G. M. KUTYYEV, 18  
PP.

RUSSIAN, PER, ZHELEZNODOROZHNIY TRANSPORT, NO 1,  
1962, PP 24-29.

JPRS 13867

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(NY-5100)

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V. I. BEZTSENNYY, A. N. KOROLEV, 10 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT, NO 1,  
1962, PP 32-37.

JPRS 13867

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(NY-1340)

A TECHNICAL AND ECONOMIC REVIEW OF THE USSR RAILROAD  
TRANSPORT IN 1961, 12 PP.

RUSSIAN, PER, ZHELEZNODOROZHNIY TRANSPORT, NO 3,  
1962, PP 43-46.

JPRS 14605

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(NY-1840)

FURTHER TASKS OF MECHANIZATION AND AUTOMATION  
OF COMPUTATION OPERATIONS, BY G. I. KOLYADA,  
X 10 PP.

RUSSIAN, PEYR, ZHELEZNODOROZHNYI TRANSPORT, NO 4,  
1962, PP 42-45.

JPRS 14842

USSR  
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63-16468

Evgrafov, G. K., Osipov, V. O., and Kolokolov, V. N.  
HOW TO PREVENT THE FATIGUE BREAKDOWN OF  
METALLIC BRIDGE ELEMENTS. [1963] 5p.  
Order from OTS or SLA \$1.10 63-16468

I. Evgrafov, G. K.  
II. Osipov, V. O.  
III. Kolokolov, V. N.

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 4] p. 50-52.

DESCRIPTORS: \*Bridges, \*Fatigue (Mechanics).

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

Office of Technical Services



63-14004

Povorozhenko, V. V.  
PROSPECTS FOR INCREASED CONTAINERIZATION  
AND BETTER DISTRIBUTION OF CONTAINER  
CENTRES. [1963] 7p.  
Order from OTS or SLA \$1.10      63-14004

I. Povorozhenko, V. V.

Trans. of Zheleznodorozhnyi Transport (USSR)  
1962 [v. 4], no. 4] p. 64-66.

DESCRIPTORS: \*Containers, Railroad cars, \*Cargo,  
Handling, Railroads, Logistics.

The following topics are analyzed: Distribution of  
railroad freight container centres; improved utilization  
of container capacity and control of the container  
fleet.

(Machinery--Transport, TT, v. 10, no. 7)

Office of Technical Services

The Immediate Range Prospects of Soviet  
Electric Locomotive Building, by Kh. Ya.  
Bystritskiy, A. L. Kurochka.

RUSSIAN, p.r, Zheleznodorozhnyy Transport,  
Vol XLIV, No 5, 1962, pp 27-32.

ML N 3967

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63-16471

Albrekht, V. A., Pershin, S. P., and Shulga, V. A.  
WIDER UTILIZATION OF CONTINUOUS-WELDED  
TRACKS. [1963] [7]p.  
Order from DTS or SLA \$1.10                      63-16471

I. Albrekht, V. A.  
II. Pershin, S. P.  
III. Shulga, V. A.

Trans. of Zhulezнодороzhnyi Transport (USSR) 1962  
[v. 44, no. 3] p. 43-47.

DESCRIPTORS: \*Railroad tracks, \*Welding, Manu-  
facturing methods, Railroads.

(Machinery--Transport, TT, v. 10, no. 6)

Office of Technical Services

63-14005

Tikhomirov, I. G., Nevzorov, A. V. and others.  
AUTOMATION OF OPERATIONAL PROCEDURES IN  
MARSHALLING YARDS. [1963] [8]p.  
Order from OTS or SLA \$1.10

63-14005

I. Tikhomirov, I. G.  
II. Nevzorov, A. V.

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 5] p. 50-54.

DESCRIPTORS: \*Railroads, \*Railroad cars, Auto-  
mation, Computers, \*Control systems, Handling,  
Logistics, Operations research.

(Machinery--Transport, TT, v. 10, no. 5)

Office of Technical Services

Urgent Tasks of Developing The Track Facilitio  
by A. F. Podpalyy, 12 pp.

RUSSIAN, par, Zheleznodorozhnyy Transport, No  
1962, pp 8-13.

JPHS 16310

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The Seven Year Plan and the Sverdlovsk Railroad,  
V. P. Yegorov, 10 pp.

RUSSIAN, per, ~~Zhaleznodorozhnyy~~ Transport,  
No 6, 1968, pp 20-54.

JRS 1/5/68

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63-10646

Kartamyshev, A. I., Shmukler, M. M., and Yakub, S. K.  
INCREASED EFFICIENCY OF DIRECTING THE CAR FLOW TO PARALLEL ROUTES. [1962] 6p.  
Order from OTS or SLA \$1.10 63-10646

I. Kartamyshev, A. I.  
II. Shmukler, M. M.  
III. Yakub, S. K.

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 43, no. 6] p. 37-41.

DESCRIPTORS: \*Railroads, Locomotives, \*Railroad cars, \*Transportation, Economics, Scheduling.

(Machinery--Transport, TT, v. 9, no. 11)

Office of Technical Services

63-10644

Semichastnov, I. F.  
DEVELOPMENT OF HYDRAULIC TRANSMISSIONS  
FOR DIESEL LOCOMOTIVES. [1962] 6p. 1 ref.  
Order from OTS or SLA \$1.10 63-10644

I. Semichastnov, I. F.

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 6] p. 47-50.

DESCRIPTORS: \*Hydraulic systems, \*Transmissions,  
\*Diesel engines, \*Locomotives, Railroad cars, Rail-  
roads, Hydrodynamics, Operation, Design, Economics.

(Machinery--Transport, TT, v. 9, no. 11)

Office of Technical Services



63-10645

Gridyushko, V. I.  
IMPROVING THE RUNNING MAINTENANCE OF  
FREIGHT CARS. [1962] 7p.  
Order from OTS or SLA \$1. 10                      63-10645

I. Gridyushko, V. I.

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 6] p. 51-56.

*NAC 7-1 C-4213*

DESCRIPTORS: \*Railroad cars, Maintenance, Manage-  
ment engineering, Railroads.

(Machinery--Transport, TT, v. 9, no. 11)

Office of Technical Services

63-10647

Ratnikov, V. D.  
AUTOMATED CAR SORTING ON A HUMP-YARD.  
[1962] 8p.  
Order from OTS or SLA \$1.10                      63-10647

I. Ratnikov, V. D.

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 6] p. 67-72.

DESCRIPTOR: \*Automation, \*Railroad cars, Railroads,  
Electronic equipment, \*Brakes, \*Remote control systems,  
Electric switches.

(Machinery--Transport, TT, v. 9, no. 11)

Office of Technical Services

Kozmin, Yu. G. and Nevzorov, I. N.  
IMPACT EFFECT OF TRAINS ON METALLIC  
BRIDGES. [1962] 7p.  
Order from OTS or SLA \$1.10                      63-10643

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 6] p. 80-83.

DESCRIPTORS: \*Impact shock, \*Locomotives,  
\*Bridges, Structures, Dynamics, Tensimeters, De-  
formation, Load distribution, Beams (Structural),  
Railroad tracks.

(Engineering--Civil, TT, v. 9, no. 10)

63-10643

I. Kozmin, Yu. G.  
II. Nevzorov, I. N.

*NOV/62/3-4219*

Office of Technical Services

63-10637

Dobrosielskii, K. M.  
PROSPECTS OF IMPROVED TECHNIQUE AND TECHNOLOGY IN A HUMP YARD. [1962] 5p.  
Order from OTS or SLA \$1.10

63-10637

I. Dobrosielskii, K. M.

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 7] p. 32-34.

DESCRIPTORS: \*Remote control systems, Economic, Television communication systems, \*Railroads, Electronic equipment, Electric switches.

(Machinery--Transport, TT, v. 9, no. 11)

Office of Technical Services

Orlov, N. G.  
TECHNICAL INNOVATIONS IN PRODUCTION OF  
WELDED RAILS. [1962] 5p. (3 figs. omitted).  
Order from OTS or SLA \$1.10 63-10648

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 7] p. 45-48.

DESCRIPTORS: Production, \*Railroad tracks,  
\*Welding, Automation, Conveyors, Grinders, Cutting  
tools.

(Machinery--Transport, TT, v. 9, no. 12)

63-10648

L. Orlov, N. G.

Office of Technical Services

Demidov, V. P.  
GAS TURBINE LOCOMOTIVES. [1962] 9p.  
Order from OTS or SLA \$1. 10 63-10649

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 7] p. 90-94.

DESCRIPTORS: \*Gas turbines, \*Locomotives, Rail-  
road cars, Railroads, Operation, Economics.

(Machinery--Transport, TT, v. 9, no. 11)

63-10649

I. Demidov, V. P.

Office of Technical Services

Advantages of the Merger of Public With  
Industrial Transport, by A. Ya. Semodurov,  
9 pp.

RUSSIAN, par, Zheleznodorozhnyy Transport,  
No 8, 1962, pp 24-27.

JPRS 16310

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63-10761

Potapov, V. P., Matalasov, S. F., and Malakhov,  
K. N.  
NEW OPERATIONAL DEMANDS ON DESIGN OF  
FREIGHT CARS. [1962] 6p.  
Order from OTS or SLA \$1.10                      63-10761

I. Potapov, V. P.  
II. Matalasov, S. F.  
III. Malakhov, K. N.

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 8] p. 28-32.

DESCRIPTORS: \*Railroad cars, Design, Maintenance,  
Handling, Cargo, Railroads.

(Machinery--Transport, TT, v. 10, no. 1)

Office of Technical Services



Important Problems of Preparing the Grain Mass  
Transportation, by N. V. Marin, et al.

RUSSIAN, per, Zheleznodorozhnyy Transport,  
Vol. XLIV, 1962, pp 33-37.

NRC/Ref. C-4224

Sci-Engr

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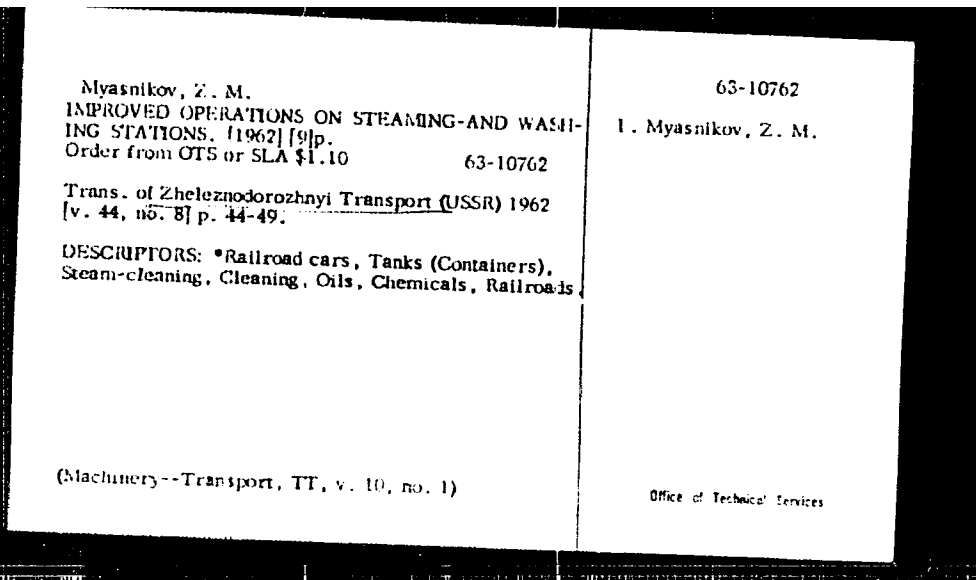
Certain Economic Problems of Utilizing New  
Types of Traction, by A. P. Abramov, G. V.  
Kotov, 13 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport, No 8,  
1962, pp 37-41.

JPRS 16310

USSR  
Econ  
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Automation of the Operative Planning of Train  
and Freight Operations, by N. D. Kryukov, V. N.  
Gundobin, 11 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport,  
No 8, 1962, pp 49-52.

JPRS 16310

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Karetnikov, A. D., Ashukin, D. D. and others.  
HOW TO ORGANIZE LOCAL OPERATION ON RAIL-  
ROAD EXTENSIONS. [1962] 9p.  
Order from OTS or SLA \$1.10

63-10765

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 8] p. 55-59.

DESCRIPTORS: \*Railroads, Management engineering,  
Operation, Maintenance.

(Machinery--Transport, TT, v. 10, no. 1)

63-10765

I. Karetnikov, A. D.  
II. Ashukin, D. D.

Office of Technical Services

Vetukhov, E. A. and Kostenko, I. G.  
VARIOUS METHODS OF DIRECT RELOADING IN  
FREIGHT YARDS. [1962] 5p.  
Order from OTS or SLA \$1.10 63-10635

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 8] p. 60-62.

DESCRIPTORS: Handling, \*Cargo, \*Railroad cars,  
Tractors, Trailers, Cargo vehicles, Warehouses,  
Storage, Railroads, Operation, Economics.

(Machinery--Transport, TT, v. 9, no. 11)

63-10635

I. Vetukhov, E. A.  
II. Kostenko, I. G.

*NRC/OTL  
C-4248*

Office of Technical Services

Special Containers for Freight Transportation, by  
I. V. Shtefko, Yu. T. Kozlov.

RUSSIAN, per, Zheleznodorozhnyy Transport,  
Vol XLIV, 1962, pp 66-69.

NRC/Ref. C-4239

Sci-Engr

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Improved Methods of Loading Vehicles, Machines  
and Parts on Flatcars, by A. G. Kalishchuk,  
A. S. Avstrelkh.

RUSSIAN, per, Zhелеznodorozhnyy Transport,  
Vol XXX XLIV, 1962, pp 76-78.

NRC/Ref. C-4217

Sci-Engr

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Khudokormov, V. I.  
SPECIALIZATION IN OVERHAUL OF ALL-METAL  
PASSENGER CARS, [1962] 6p.  
Order from OTS or SLA \$1.10

63-10763

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 8] p. 73-78.

DESCRIPTORS: \*Railroad cars, Passenger vehicles,  
Metals, \*Maintenance, Maintenance equipment.

(Machinery--Transport, TT, v. 9, no. 12)

63-10763

I. Khudokormov, V. I.

Office of Technical Services

Zvukov, H. M.  
RAILROAD TRACKS IN METALLURGICAL MILLS  
AND MACHINE-BUILDING WORKS IN  
CZECHOSLOVAKIA. [1962] 6p.  
Order from OTS or SLA \$1.10

63-10764

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 8] p. 88-91.

DESCRIPTORS: \*Railroad tracks, Industrial plants,  
Foundations (Structures), Design, Welding, Wood,  
Metals, Concrete, Slags.

(Machinery--Transport, TT, v. 9, no. 12)

63-10764

I. Zvukov, H. M.

Office of Technical Services

63-10760

Nagy, J.  
ANALYSIS OF STABILITY ON STRAIGHT SECTIONS  
OF WELDED TRACKS. [1962] [8]p.  
Order from OTS or SLA \$1.10 63-10760

I. Nagy, J.

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 9] p. 40-44.

DESCRIPTORS: \*Railroad tracks, \*Welding, Stability,  
Analysis.

(Machinery--Transport, TT, v. 9, no. 12)

Office of Technical Services

63-10758

Kuzassy, Lajos.  
PRESTRESSED CONCRETE SLEEPERS. [1962] 5p.  
Order from OTS or SLA \$1.10 63-10758

I. Title: Prestressed concrete  
I. Kuzassy, L.

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 9] p. 44-47.

DESCRIPTORS: \*Concrete, \*Foundations (Structures),  
\*Railroad tracks, \*Reinforced concrete, Design,  
Railroads.

(Machinery--Transport, TT, v. 10, no. 4)

Office of Technical Services

Bagirov, A. M.  
NEW ORGANIZATIONAL METHODS OF FREIGHT  
HANDLING ON AZERBAIDZHAN LINE. [1962] 5p.  
Order from OTS or SLA \$1.10 63-10759

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 9] p. 59-63.

DESCRIPTORS: \*Railroads, Handling, Railroad cars,  
Management engineering, \*Cargo.

(Machinery--Transport, TT, v. 10, no. 5)

63-10759

I. Bagirov, A. M.

Office of Technical Services

Railroad Transport of the USSR in the First  
Half of 1962, 12 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport,  
No 9, 1962, pp 73-76.

JFB 16310

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Improved Preparation Procedures for Grain-Carrying  
Cars, by Z. M. Myasnikov, V. N. Korotkov. 5 pp.

RUSSIAN, per, Zheleznodorozhnyi Transport, No 9,  
1962, pp 87-89.

HRC/Ref: C-4343  
OTS 63-16467

Sci-Engr

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UTILIZE ROLLING STOCK MORE EFFICIENTLY,  
11 PP

RUSSIAN, PER, ZHELEZNODOROZHNYY TRANSPORT, NO 10,  
1962, PP 3-7.

JPRS 17067

USSR  
ECON  
JAN 63

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NEW POWERFUL ELECTRIC LOCOMOTIVES, BY S. N.  
YELKIN, 14 PP. and by B. A. Tushkanov.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT,  
NO 10, OCT 1962, PP 18-25.

JPRS 17067

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Borisov, D. P.  
AUTOMATION AND TELEMCHANICS FOR LINES  
WITH HIGH-SPEED TRAFFIC. [1963] [7]p.  
Order from OTS or SLA \$1.10  
63-14727

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 10] p. 44-47.

DESCRIPTORS: \*Railroads, Automatic, \*Control  
systems, \*Speed regulators, \*Signal lights, \*Traffic,  
Transportation.

An examination of how the installations for signalling,  
centralization and blocking can be developed and  
amplified for railroad lines with high-speed traffic.

(Machinery--Transport, TT, v. 10, no. 4)

63-14727

I. Borisov, D. P.

Office of Technical Services

Nikulina, P. A., Paderno, I. P., and Terent'ev S.A.  
COMPLEX RADIO AND WIRE COMMUNICATIONS  
IN MARSHALLING YARDS. [1963] [5]p.  
Order from OTS or SLA \$1.10

63-16470

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no: 10] p. 48-50.

DESCRIPTORS: \*Railroads, Communication systems.

(Machinery--Transport, TT, v. 10, no. 7)

63-16470

I. Nikulina, P. A.  
II. Paderno, I. P.  
III. Terent'ev, S. A.

Office of Technical Services

THE COORDINATION OF TRANSPORT OPERATIONS # AN  
IMPORTANT STATE PROBLEM, BY B. P. BESHCHEV, 14 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT, NO 11,  
1962, PP 3-9.

JPRS 18032

USSR  
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COORDINATION - THE BASIS OF THE WORK OF SEAMEN  
AND RAILROAD WORKERS, BY V. G. BAKAYEV, 8 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT, NO 11,  
1962, PP 10-13.

JPRS 18032

USSR  
ECON  
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224,587

THE COOPERATION OF RAILROAD AND RIVER TRANSPORT,  
BY S. A. KUCHKIN, 12 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT,  
NO 11, 1962, PP 14-19.

JPRS 18032

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224,588

POSSIBILITIES FOR THE EFFECTIVE USE OF RAILROAD  
AND MOTOR VEHICLE TRANSPORT, BY F. V. KALABUKHOV,  
10 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT, NO 11,  
1962, PP 20-24.

JPRS 18032

USSR  
ECON  
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224,589

THE DISTRIBUTION OF SHIPMENTS AMONG DIFFERENT  
TYPES OF TRANSPORT, BY V. I. DMITRIYEV,  
V. I. PETROV, 12 PP.

RUSSIAN, PER, ZHELEZHODOROZHNYI TRANSPORT, NO 11,  
1962, PP 24-29.

JPRS 18032

USSR  
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224,590



THE UNIFIED TRANSPORT NETWORK OF THE UKRAINE,  
BY N. M. YASHNIK, 9 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT, NO 11,  
1962, PP 30-33.

JPRS 18032

USSR  
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224,591

COMPLEX USE OF TRANSPORT IN THE GOR'KOVSKIY  
ECONOMIC REGION, BY B. I. ZIKEYEV, 7 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT, NO 11,  
1962, PP 34-36.

JPRS 18032

USSR  
ECON  
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224,592

POSSIBILITIES OF REDUCING TRANSPORT EXPENSES,  
BY T. Z. KOSHKAREV, 6 PP.

RUSSIAN, FER, ZHELEZNODOROZHNYI TRANSPORT, NO 11,  
1962, PP 37-39.

JPRS 18032

USSR  
ECON  
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224,593

THE TRANSFER OF SHORT-RUN SHIPMENTS TO MOTOR-  
VEHICLE TRANSPORT, BY M. A. SMORODINOV, KH. M.  
LAZAREV, 6 PP.

RUSSIAN, PER, ZHELEZNODOROZHNY TRANSPORT, NO 11,  
1962, PP 47-49.

JPRS 18032

OTS 63-14726  
(NRC/Ref: C-4373)

USSR  
ECON  
MAR 63

224,594

Goldstein, M. N.  
EQUIPPING AND MAINTAINING THE RAILROAD BED.  
[1963] [7]p.  
Order from OTS or SLA \$1.10

63-14003

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 11] p. 58-61.

DESCRIPTORS: \*Railroad tracks, Foundations  
(Structures), \*Civil engineering, Soil mechanics,  
Trafficability.

The contemporary designing method based on the so-called "allowable" pressure, does not allow to correctly estimate and utilize the actual mechanical properties of the basic surface. The magnitudes of the flexible deformation static and dynamic modulus, respectively, differ from each other by several hundred percent. Corresponding corrections should be  
(Engineering - Civil, TT, v. 10, no. 5) (over)

63-14003

I. Goldstein, M. N.

Office of Technical Services

Senderov, G. K.  
HOW TO AVOID CAR DAMAGE ON CAR-TIPPER.  
[1963] 6p.  
Order from OTS or SLA \$1. 10                      63-14724

Trans. of Zheleznodorozhnyi Transport (USSR) 1962,  
[v. 44, no. 11] p. 66-68.

DESCRIPTORS: \*Railroad cars, \*Damage, Handling.

(Machinery--Transport, TT, v. 10, no. 5)

63-14724

I. Senderov, G. K.

Office of Technical Services

SHIPMENT OF MORE FREIGHT NEEDED FOR EACH RUBLE OF  
BASIC FUNDS, BY V. YE. BIRYUKOV. 15 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT, NO 12,  
1952, PP 20-25.

JPRS 18599

USSR  
ECON  
APR 63

226,943

Andrianov, A. S.  
HOW THE KUMIYSHEV RAILROAD ORGANIZED ITS  
FIGHT AGAINST SNOW. [1963] [6]p.  
Order from OTS or SLA \$1.10

63-14728

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 12] p. 51-53.

DESCRIPTORS: Railroads, \*Snow, \*Railroad tracks,  
Forestry, Shelturn, Traffic, Maintenance equipment,  
\*Snow removal.

(Machinery--Transport, TT, v. 10, no. 9)

63-14728

I. Andrianov, A. S.

JPRS 18599

Office of Technical Services



THE ROLE OF PROFITS IN STRENGTHENING THE  
SELF-SUPPORT OF RAILROAD DIVISIONS, BY YE. V.  
LARIONOVA, 9 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT,  
NO 12, 1962, PP 54-58.

JPRS 18599

USSR  
ECON  
APR 63

226,945

TT-63-20663

Khandros, G.M.  
IMPORTANT PROBLEMS CONCERNING IMPROVED  
FREIGHT CAR DESIGN. [1963] [5p]  
Order from OTS, SLA. or ETC \$1.10 TT-63-20663

I. Khandros, G. M.

Trans. of Zhelezнодорожный Transport (USSR) 1962  
[v. 44, no. T2] p. 60-62.

DESCRIPTORS: \*Railroad cars, Design.

(Machinery--Transport, TT, v. 11, no. 4)

Office of Technical Services

63-18082

Klimesh, Ferdinand.  
CONTINUOUS WELDED RAILS ON PRESTRESSED  
SLABS. [1963] 9p.  
Order from OTS or SLA 51.10 63-18082

1. Title: Slabs
1. Klimesh, F.

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 12] p. 83-88.

DESCRIPTORS: \*Railroad tracks, Welds, \*Founda-  
tions (Structures), Reinforced concrete, Stresses,  
Structures, Mathematical analysis, Economics,  
Railroads.

(Machinery--Transport, TT, v. 10, no. 10)

Office of Technical Services

ADVANCING TECHNICAL PROGRESS ON THE RAILROADS,  
BY N. A. GUNDOEIN, 13 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT, NO 1,  
1963, PP 3-9.

~~JPRS 19005~~  
JPRS 19005

USSR  
ECON  
MAY 63

230,049

63-18078

Kochnev, F. P.  
HIDDEN POSSIBILITIES IN THE TRAFFIC DIAGRAM  
OF COMMUTER TRAINS. [1963] [7]p.  
Order from OTS or SLA \$1. 10 63-18078

I. Kochnev, F. P.

Trans. of Zheleznodorozhnyi Transport (USSR) 1963  
[v. 45, no. 1] p. 38-41.

DESCRIPTORS: \*Railroads, \*Traffic, Transportation,  
Locomotives, Passenger vehicles, Economics, Costs.

(Machinery--Transport, TT, v. 10, no. 11)

Office of Technical Services

GROWTH PROSPECTS OF THE BELORUSSIAN RAILROAD,  
BY N. I. NESTERENKO, 6 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT,  
NO 1, 1963, PP 49-51.

JPRS 19005

USSR  
ECON  
MAY 63

230,050

Fakhrudinov, V. Z.  
TARGET BRAKING OF MARSHALLED CARS. (1963)  
[4p].  
Order from OIS, SIA, or TIC SE, ID: 63-18079

63-18079  
I. Fakhrudinov, V. Z.

Trans. of Zheleznodorozhnyi Transport (USSR) 1963  
[v. 8, no. 1] p. 79-81.

DESCRIPTORS: \*Railroad cars, Deceleration, Railroad  
tracks, Railroads.

The article describes a method of braking cars of rail-  
road cars at a braking station 150 meters from the ex-  
treme section posts on the side of the hump-crest. The  
method increases the efficiency of the marshalling  
yard, eliminates upset cars in wintertime, reduces car  
damage, increases safety, makes snow removal easier,  
reduces noise, and does not require safety d-rails at  
the end of each marshalling track.  
(Machinery-Transport, 11, v. 11, p. 79-81)

Doc. ID: A6318079

Shakhmatov, G. A.  
AUTOMATIC TRAIN STOPS FOR HIGH-SPEED  
TRAFFIC. [1963] [6]p.  
Order from OTS or SLA \$1.10

63-18062

Trans. of Zheleznodorozhnyi Transport (USSR) 1963  
[v. 45, no. 1] p. 70-73.

DESCRIPTORS: \*Signals, Automatic, Control systems,  
\*Railroads, \*Locomotives, Traffic, Electrical  
equipment.

(Machinery--Transport, TT, v. 10, no. 9)

63-18062

I. Shakhmatov, G. A.

Office of Technical Services



NEW REQUIREMENTS FOR PLANNING SHIPMENTS, BY  
V A MERKULOV, S. A. ZEMLYANIKIN, 14 PP.

RUSSIAN, FER, ZHELEZNODOROZHNYI TRANSPORT, NO 2,  
1963, PP 14-20

JPRS 19501

USSR  
ECON  
JUN 63

ZK 231,752X  
231,752

OUTLOOK FOR THE DEVELOPMENT OF GAS TURBINE  
TRACTION, BY YE. T. BARTOSH, N. V. KOLODYAZHNYI,  
12 PP

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT, NO 2,  
1963, PP 23-28.

JPRS 19501

USSR  
ECON  
JUN 63

231,753

Bernhard, K. A.  
NOW TO SPECIALIZE THE TANK-CAR FLEET.  
[1963] [11p]  
Order from OTS, SLA, or ETC \$1.60 TT-63-20665

Trans. of Zheleznodorozhnyi Transport (USSR) 1963  
[v. 45, no. 2] p. 44-49.

DESCRIPTORS: \*Railroad cars, Tanks (Containers),  
Traffic, Cleaning, Oils, Liquids, \*Transports.

(Machinery--Transport, TT, v. 11, no. 4)

TT-63-20665

I. Bernhard, K. A.

Office of Technical Services

RAILROAD DIVISIONS -- THE BASIC PRODUCTION  
ASSOCIATIONS IN TRANSPORT, 13 PP.

RUSSIAN, PER, ZHELEZNODOROZHNYI TRANSPORT, NO 2,  
1963, PP 55-60.

JPRS 19501

USSR  
ECON  
JUN 63

231,754

63-18077

Volotskoi, D. V.  
SILICON-ORGANIC COMPOUNDS FOR FIGHT AGAINST  
SUBGRADE HEAVING. [1963] [5]p.  
Order from OTS or SLA \$1.10

63-18077

I. Volotskoi, D. V.

Trans. of Zheleznodorozhnyi Transport (USSR) 1963  
[v. 45, no. 2] p. 75-76.

DESCRIPTORS: \*Railroads, \*Soils, \*Moistureproofing,  
Freezing, Deformation, Inhibition, \*Silicon compounds,  
Organic compounds, \*Silanes, Chlorides, Methyl  
radicals, Ethyl radicals, Sodium compounds, \*Silicates,  
\*Silicones, Injection.

Organosilicon compounds are being used to inhibit road-  
bed frost heaving on the Kazan section of the Gorkii  
Railroad. Compounds which have proven sufficiently  
hydrophobic, harmless, and inexpensive include: ethyl-  
and methylchlorosilanes,  $C_2H_5SiCl_3$  and  $CH_3SiCl_3$ ;  
(Engineering--Civil, TT, v. 10, no. 9) (over)

Office of Technical Services

Container Service on Access Lines, by  
M. F. Trikhunkov, 7 pp.  
RUSSIAN, per, Zheleznodorozhnyi Transport,  
Vial XLV, No 2, 1963, pp 83-86.  
OTS 63-18792

USSR  
Econ  
March 64

252,086

RAISING THE EFFICIENCY OF NEW FORMS OF TRACTION,  
BY N. A. DROZDOV, 11 PP.

RUSSIAN, PER, ZHELEZNOJ TRANSPORT, NO 3, 1963,  
PP 3-7.

JPRS 20538

USSR  
ECON  
AUG 63

238,514

Shulga, V. Ya.

A NEW TYPE OF TRACK UPPER STRUCTURE.  
[1963] [6p] (3 figs omitted)  
Order from OTS or SLA \$1.10

63-20379

Trans. of ~~Zheleznodorozhnyi~~ Transport (USSR) 1963  
[v. 45, no. 3] p. 52-54.

DESCRIPTORS: \*Railroad tracks, \*Reinforced concrete,  
Beams (Structural), \*Foundations (Structures).

Experiments with reinforced concrete block-based  
railroad tracks confirms the expected stability of the  
type of track, its protection of the ballast from con-  
tamination and a significant drop in requirements both  
of labor and material for track maintenance.

(Engineering--Civil, TT, v. 10, no. 12)

63-20379

I. Shulga, V. Ya.

Office of Technical Services



RAILROAD TRANSPORT IN THE USSR IN 1962 (A TECHNICAL  
ECONOMIC REVIEW), 13 PP.

RUSSIAN, PER, ZHELEZNOD TRANSPORT, NO 3, 1963,  
PP 55-58.

JPRS 20538

USSR  
ECON  
AUG 63

238,515

Petrunkov, A. E.  
ELECTRO-MECHANICAL CARRIER FOR TRANSFER  
OF DISPATCHER'S DOCUMENTS IN YARDS. [1963]  
[5]p.  
Order from OTS or SLA \$1.10                      63-18076

Trans. of Zhelezndorozhnyi Transport (USSR) 1963  
[v. 45, no. 3] p. 78-80.

DESCRIPTORS: \*Conveyors, \*Transportation,  
\*Documentation, Railroads,

This surface mounted, completely enclosed, carrier  
system consists of the following basic elements:  
concrete tunnel; carrier-container; two receiving-  
dispatching stations; feeding and controlling equipment.  
(Author)

(Machinery--Transport, TТ, v. 10, no. 9)

63-18076

1. Title: Electromechanical  
carrier
2. Title: Documents  
carrier
1. Petrunkov, A. E.

Office of Technical Services

TASKS FOR FURTHER REDUCING TRANSPORTATION  
COSTS, BY I. V. IVLIYEV, 12 PP.

RUSSIAN, PER, ZHELEZNOD TRANSPORT, NO 4, 1963,  
PP 15-20.

JPRS 20538

LISSR  
ECON  
AUG 63

238,516

Collaboration of the Socialist Countries in the  
Development of Transportation, by V. S. Gavrilov,  
7 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport, No 4,  
1963, pp 26-31. 9690232

ACSI I-3406-A  
ID 2246297

USSR  
Econ.  
Dec 63

244,034

Cooperation Interaction of Rail and Auto Transportation, by F. I. Shaul'skiy, N. K. Sologub, 5 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport, No 4, 1963, pp 31-34.

ACSI I-3406-B  
ID 2246297  
OTS 63-20377

USSR  
Econ  
Dec 63

244,035

Endurance Test on Plastic Putties for  
Repair of Freight Cars, 5pp., by A. L.  
Libin, Z. A. Mirolyubova, M. Yu. Pashkevich,  
RUSSIAN, per, Zheleznodorozhnyi  
Transport, Vol 45, 1963, No 10, pp 47-48  
CFSTI TT-6--18069

322,339

Sci - Mat  
Apr 67

Improved Technique of Assembling Wheelpairs,  
by G. A. Bobrovnikov, 5 pp.  
RUSSIAN, per, Zheleznodorozhnyi Transport,  
Vol XLV, No 4, 1963, pp 48-50.  
OTS 63-18793

Sci-Engr  
March 64

252,085

What Should Future Locomotives Look Like? by  
N. A. Fufryanskiy, 8 pp.

RUSSIAN, par, Zheleznodorozhnyy Transport, No 4,  
1963, pp 51-57.

ACSI I-3406-C  
ID 2246297

USCIB  
Ecom  
Dec 63

244,036



A Type of Dual-Supply Electric Locomotive,  
by E. V. Suslov, 6 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport, No 4,  
1963, pp 57-60.

ACSI I-3406-D  
ID 2246297

USSR  
Becon  
Dec 63

244,037

TT-63-20666

I. Chernomordik, G. I.

Chernomordik, G. I.  
HOW TO INCREASE TRAFFIC VELOCITY. [1963]  
[7p]  
Order from OTS, SLA, or ETC \$1.10 TT-63-20666

Trans. of Zheleznodorozhnyi Transport (USSR) 1963  
[v. 45, no. 4] p. 60-64. (Abstract available)

DESCRIPTORS: \*Railroads, \*Traffic, Velocity,  
Economics,

Consideration is given to the power requirements,  
braking capacity, track conditions and traffic patterns  
necessary to increase economically the running  
velocity of passenger and freight trains.

(Machinery--Transport, TT, v. 11, no. 4)

Office of Technical Services

Increasing the Productivity of the V16 Electric Locomotive, by S. K. Grishchenko, P. I. Bortsov, 5 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport, No 4, 1963, pp 74-77.

ACSI I-3406-B  
ID 2246277

USSR  
Econ  
Dec 63

244,038

Progressive Technology in the Organization of Local  
Work on Extended Runs, by V. I. Fyishkin, *4 pp.*

RUSSIAN, par, Zheleznodorozhnyy Transport, No 4,  
1963, pp 78-80.

\*ACSI I-3406-F  
ID 2246297

USSR  
Econ  
Oct 63

Temporary Two-Way Automatic Block Signal on a Dual  
Stretch of Track When one Line is Closed, by  
A. M. Kandelinskiy, 3 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport, No 4,  
1963, pp 80, 81.

\*ACSI I-~~X~~3406-G  
ID 2246297

USSR  
Econ  
Oct 63

CLEARANCE DISTANCES FOR STRUCTURES ON FEEDER  
LINES AND INTRA-INDUSTRIAL RAILROADS,  
BY B. K. KOZLOVSKIY, 5 PP.

RUSSIAN, PER, ZHELEZNOD TRANSPORT, NO 4, 1963,  
PP 86-87.

JPRS 20538

USSR  
ECON  
AUG 63

238,517

RAILROAD TRANSPORT AT A NEW STAGE, 11 PP.

RUSSIAN, PER, ZHELEZNODOROZHNIY TRANSPORT, NO 5;  
~~MAY~~ 1963, PP 3-7.

JPRS 20901

USSR  
ECON  
SEP 63

343,134

Concerning Some Important Though Unresolved  
Problems of Electrification of Railways, by  
L. I. Okhoshin, 6 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport, No 5,  
1963, pp 35-39. 9690416

ACSI I-2994-A  
ID 2240830

USSR  
Econ  
Jan 64

248,820



THE CONCENTRATION OF LOADING WORK AND TARIFFS, BY  
YU. N. TIKHONCHUK, 10 PP.

RUSSIAN, PER, ZHELEZNODOROZHNY TRANSPORT, MAY 1963,  
NO 5, P 42-45.

JPRS 20901

USSRECON  
SEP 63

343,13875

Intermediate Rail Fastenings and Improving the  
Upper Road Structure, by D. G. Eradze, 6 pp.

RUSSIAN, per, Khaleznodorozhnyy Transport, No 5,  
1963, pp 45-49. 9690416

ACSI I-2994-B  
ID 2240830

USSR  
Econ  
Jan 64

248,821

Factors Delaying Mass Production of Isothermic Rail-  
ways Cars With Refrigeration, by V. V. Supin, *2 pp*

RUSSIAN, per, Zheleznodorozhnyy Transport, No 5,  
1963, pp 51-53. *9690416*

ACSI I-2994-C  
ID 2240830

USSR  
Econ  
Aug 63

Some of the Immediate Problems in the Improvement  
of Locomotives, by S. S. Ushakov, 4 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport, No 5,  
1963, pp 54-57. 9690416

ACSI I-2994-D  
ID 2240330

USSR  
Econ  
Aug 63