

KAZAKOVA, T.B.; NEYFAKH, S.A.

Mechanochemical activity and the permeability of the membranes  
of the mitochondrias of normal and tumoral cells. Dokl. AN  
SSSR 152 no.2:471-474 S'63. (MIRA 16:11)

1. Institut eksperimental'noy meditsiny AMN SSSR. Predstavleno  
akademikom N.M. Sisakyanom.

X

NEYFAKH, S.A.; REPIN, V.S.

Protein factor in heart mitochondria intensifying glycolysis.  
Vop. med. Khim. 9 no. 3:324-326 My-Je '63. (MIRA 17:9)

1. Laboratoriya enzimologii otzela biokhimi Instituta  
eksperimental'noy meditsiny AMN SSSR, Leningrad.

NEYFAKH, S.A.; VASILETS, I.M.

Actomyosin-like protein in the external membrane of liver cells.  
Vop.med.khim. 10 no.3:326-328 My-Je '64.

(MIRA 18:2)

1. Laboratoriya biokhimicheskoy genetiki Instituta eksperimental'noy meditsiny AMN SSSR, Leningrad.

BEZNIKOV, G.A.; VERZHIKOVSKAYA, N.A.; MAROVLOV, S.Ye.; MEYFAKH, S.A.;  
POGIAYOV, B.F.; SEVERIN, S.Ye.

International symposium on molecular cellular physiology in  
Berlin and the annual meeting of biochemists in Jena. Vop.  
med. khim. 10 no.1:95-103 Ja-P '64.

(NINA 17:12)

NEYZIKH, S.A.

Vladimir Aleksandrovich Engel'gard's, 1894. . Bitologia 4 no.6:782-  
782 N-7 '64. (MIRA 12:8)

BIRYUKOV, D.A., prof., red.; IOFFE, V.I., prof., red.; NEYFAKH,  
S.A., prof., red.; OLENOV, Yu.M., prof., red.; SVETLOV,  
P.G., prof., red.; VAKHTIN, Yu.B., red.

[Problems of medical genetics] Problemy meditsinskoi ge-  
netiki. Leningrad, Meditsina, 1965. 246 p.

(MIRA 18:6)

1. Akademiya meditsinskikh nauk SSSR, Moscow. Institut  
eksperimental'noy meditsiny. 2. Deystvitel'nyy chlen  
AMN SSSR (for Biryukov).

NEIFAKH, S.A., VASILEVA, I.M.

Mechanism of the "leakage" of oxygen through the outer membrane  
of tumor cells. Tsivotogichesk. 3.1.11-395 47-54 1966.

i. laboratoriya biokhimicheskoy genetiki Instituta eksperimental'noy meditsiny AMN SSSR, Leningrad.

DAUDOVA, G.M.; MEYFAKH, B.A.

Respiratory processes and phosphorylation in the liver mitochondria  
of the hibernating gopher. Fiziol.zhur. 51 no.3:384-387 Mr '65.  
(MIRA 18:5)

1. Otdel obshchey patologii i laboratoriya biokhimicheskoy  
genetiki Instituta eksperimental'noy meditsiny AMN SSSR, Leningrad.



NESTERENKO, S.A.; SHAPOSHNIKOV, A.M.

Biochemical genetic concepts on phenylpyruvic oligophrenia. Zhur. nevr.  
i psikh. 65 no.7:1104-1113 '65. (MIRA 18:7)

- 1. Laboratoriya biokhimicheskoy genetiki Instituta eksperimental'noy meditsiny AMN SSSR, Leningrad.

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AUTHOR: Daudova, G. M.; Neyfakh, S. A. - Neifakh, S. A.

ORG: Department of General Pathology and Laboratory of Biochemical Genetics, Institute of Experimental Medicine, AMN SSSR, Leningrad (Otdel obshchey patologii i Laboratoriya biokhimitseskoy genetiki Instituta eksperimental'noy meditsiny AMN SSSR)

TITLE: Respiration and phosphorylation in liver mitochondria of hibernating ground squirrels

SOURCE: Fiziologicheskoy zhurnal SSSR, v. 51, no. 3, 1965, 384-387

TOPIC TAGS: biologic respiration, phosphorylation, liver, cell physiology

ABSTRACT: Determinations carried out on mitochondria isolated from the liver of ground squirrels (*Citellus pygmaeus* Pall.) with a body temperature of 5-12° that were in a state of hibernation indicated that the respiration of the mitochondria and the oxidative phosphorylation in them were at the same level as for animals of the same species that had a body temperature of 33-39° and were in a state of wakefulness and active. The authors thank Professor B. K. Fenylk and S. H. Varshavskiy (Institut "Mikrob," Saratov) for their assistance in sorting the ground squirrels. Orig. art. has: 3 figures. [JPRS]

SUB CODE: 06 / SUBM DATE: 20Dec63 / ORIG REF: 009 / OTH REF: 012

Card 1/1 CC

UDC: 612.58

HEYFAKH, Ye.A.

Intralabyrinthine pressure and aural sensitivity thresholds to atmospheric pressure in pathological processes. Vest. otorinolaryng. Moskva 14 no. 3:17-21 May-June 1952. (GLML 22:4)

1. Candidate Medical Sciences. 2. Of the Clinic for Diseases of the Ear, Throat, and Nose of Professor V. I. Voyachek, Active Member of the Academy of Medical Sciences USSR, Leningrad.

MEYFAKH, YE. A., NOVOZHILOVA, L. P.

"Modification of the quantitative Method for Determining Succinic Dehydrogenase with the Aid of Terazolium Salts."

report submitted for the First Conference on the problems of Cyto and Histochemistry, Moscow, 19-21 Dec 1960.

**Institute of Chemical Physics, Academy of Sciences USSR, Moscow.**

MEYFAKH, Ye.A.

Specific suppression of the activity of glycolytic redox enzymes by the inhibitors of free-radical reactions.

Dokl. AN SSSR 142 no.6:1404-1408 F '62. (MIRA 15:2)

1. Institut khimicheskoy fiziki AN SSSR. Predstavleno akademikom N.M.Sisakyanom.

(Glycolysis)  
(Gallic acid)  
(Rutin)

NEYFAKH, Ye.A.

Modified version of a device for tissue homogenization. Lab.  
delo no.9:570-573 '64. (MIRA 17:12)

1. Institut khimicheskoy fiziki AN SSSR, Moskva.

NEIFEL'D, E.G.

Problem of the centroequiaffine geometry of flat curves of  
the 3d and 4th orders. Trudy Sem. po vekt. i tenz. anal. no. 11:  
309-310 '61. (MIRA 15 3)

(Curves)

SAMBORSKIY, I.V.; NEYFEL'D, E. I.

Refractometric determination of the concentration of "CP".  
Zav.lab. 27 no.2:182 '61. (MIRA 14:3)

1. Nizhne-Tagil'skoye otdeleniye nauchno-issledovatel'skogo  
instituta plasticheskikh mass.  
(Refractometry)



NEYFEL'D, I. S.

Subject : USSR/Medicine

AID P - 2140

Card 1/1 Pub. 37 - 9/18

Author : Neyfel'd, I. S., Scientific Worker

Title : Locomotive sound signals as sources of city noise

Periodical: Gig. i san., 3, 39-41, Mr 1955

Abstract : A study of the loud signals of locomotives as a disturbing factor on Moscow City inhabitants living in houses near the railroads. Contains recommendations to make these signals softer and to restrict their number. Table, chart. Nine Russian refs., 1933-1950.

Institution: Central Scientific Research Laboratory of Hygiene and Epidemiology, Ministry of Transport, USSR

Submitted : Ap 16, 1954

NEYFELD, I. YE.

USSR/Engineering - Welding, Testing May 51

"Determination of the Mechanical Properties of Welded Joints Using Ring Specimens," A. S. Fal'kevich, I. Ye Neyfeld, Engineers

"Avtoget Delo" No 5, pp 18-20

Welding laboratory of the NIIStroyneft' studied possibility for detg mech properties of the welded joints of gas-oil pipelines on specimens of decreased size. Circular blanks of 45-50 mm diam, cut out of welded joints, were used for making the

200T31

USSR/Engineering - Welding, Testing May 51  
(Contd.)

ring-like specimens each with 2 sections of the weld included. These specimens, with advantages over std specimen of dimensions and convenient shape for cutting out and machining, considerably reduced the testing costs.

200T31

KISLYUK, F.I., doktor tekhnicheskikh nauk; MAZEL', A.T. kandidat tekhnicheskikh nauk; FAL'KEVICH, A.S. inzhener; ANUCHKIN, M.S., kandidat tekhnicheskikh nauk; LIVSHITS, L.S. kandidat tekhnicheskikh nauk; ~~NEVEEL'D, I.Ye.~~, inzhener; BAKHRAKH, L.P., inzhener; POLYAKOVA, P.B., inzhener.

Welding with electrode cluster. Section of the All-Union Scientific Engineering Technological Association of Welders in the All-Union Scientific Research Institute for Petroleum Industry Construction. Avtog. delo 24  
no.6:30 Je '53.

(MLRA 6:5)

(Electric welding)

NEFEL'D, I.Ye., inzhener.

Experimental and analytical methods of defining tolerances for bend  
angles in weldings. Trudy VNI Stroiinsti. no.4:79-91 '56.

(Welding--Testing)

(MIRA 10:1)

AID P - 5272

Subject : USSR/Engineering

Card 1/2 Pub. 107-a - 8/18

Authors : Fal'kevich, A. S., Kand. of Tech. Sci., and I. E. Neyfel'd, Eng. (All-Union Scientific Research Institute for Building of Petroleum Enterprises - VNIISTroyneft')

Title : Comparative effectiveness of quality inspection of welded joints by x-rays and certain radioactive isotopes.

Periodical : Svar. proizv., 9, 23-24, S 1956

Abstract : The authors briefly describe results obtained in inspection of welded joints of steel 3 to 15mm thick by Gamma-Rays and certain radioactive isotopes, such as the Co-60, Cs-134, Cs-137, Ir-192 and Eu-154. Several practical suggestions are made which may be valuable in gas and petroleum installation inspections.

NYTEL'D, I.Ye., inzh.

X-raying welded joints. Stroi. pred. nef. prom. 3 no.5:22-24  
My '58.

(Pipelines) (X rays--Industrial application)

(MIRA 11:7)

СССР-135-89-11-5-01

AUTHORS: Taran, V.D., Doctor of Technical Sciences, Professor; Bobritskiy, N.V., Engineer; Fal'kevich, A.I., Candidate of Technical Sciences, and Neyfel'd, I.Ye., Engineer

TITLE: An Investigation of Pipe Pressure-Welding Process (Issledovaniye protsessa pressovoy svarki trub)

PERIODICAL: Svarochnoye proizvodstvo, 1958, Nr 11, pp 12-14 (USSR)

ABSTRACT: There is no exact information available on the processes of seam formation in the pressure welding of pipe butts. VNIIT carried out experiments together with the Chair of Metal Study of the Moscow Oil Institute imeni I.M. Gubkin, relating to the study of the pressure welding process under a plastic condition with the use of radioactive isotopes. "Marked atoms" were used to determine the correctness of one of the two existing hypotheses on the formation of weld joints, and to solve the problem of iron-atom diffusion and changes of properties in weld joints by subsequent heat treatment. Microautoradiography was used to investigate the diffusion processes in metal. The following conclusions are made:  
1) The penetration of grains through the border dividing the

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An Investigation of Pipe Pressure-Welding Process

NOV-135-56-11-5/21

parts being welded does not take place. 2) Cold joints have a non-diffusion character and common grains on the border are formed by the drawing together of surface grain atoms. 3) Subsequent heat treatment of pressure-welded low-carbon steel proved inefficient. Further investigation on the use of other radioactive isotopes in the pressure-welding process is recommended.

There are 2 tables, 1 graph, 2 diagrams, 3 sets of micro-photos and 7 references, 2 of which are English and 5 Soviet.

ASSOCIATIONS: Moskovskiy neftyanoy institut (Moscow Petroleum Institute)  
VNIIST Glavgaz SSSR (VNIIST of Glavgaz USSR)

1. Pipes--Welding    2. Metals--Diffusion    3. Radioisotopes--  
Applications    4. Welds--Autoradiography

Card 2/2



MEYFEL'D, I.Ye., inzh.; FAL'KEVICH, A.S., kand. tekhn. nauk

Improving quality control methods in welding main truck gas  
and petroleum pipelines. Svar. proizv. no.2:17-21 7 '59.  
(MIRA 12:1)

1.Vsesoyuznyy nauchno-issledovatel'skiy institut tverdykh splavov.  
(Electric welding--Quality control)  
(Pipelines--Welding)

<NEYFEL'D, I. Ye., inzh.; KLIMOVA, D. T., red. izd-va; GOL'BERG, T. M.,  
tekhn. red.

[Instructions for controlling welded joints of pipelines by  
the method of radiography and magnetography] Ukazaniia po  
kontroliu svarnykh stykov truboprovodov metodami prosvechivaniia  
i magnitografii. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i  
stroit. materialam, 1960. 42 p. (MIRA 14:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po stroitel'stvu  
magistral'nykh truboprovodov. Laboratoriya svarki. 2. Rukovodi-  
tel' sektora defektoskopii svarki Vsesoyuznogo nauchno-issledova-  
tel'skogo instituta po stroitel'stvu magistral'nykh truboprovodov  
(for Neyfel'd).

(Pipelines--Welding) (Radiography) (Magnetic testing)

PHASE I BOOK EXPLOITATION SOV/5596

Neyfel'd, I. Ye., A. S. Fal'kevich, and L. S. Livshits

Kontrol' kachestva svarki na stroitel'stve (Quality Control in Field Welding) Moscow, Gostroyizdat, 1960. 163 p. 8,000 copies printed.

Scientific Ed.: V. L. Tsegel'skiy, Engineer; Ed. of Publishing House: L. S. Lytkina; Tech. Ed.: T. M. Gol'berg.

PURPOSE : This book is intended for engineers, technicians, and skilled welders engaged in field welding and its quality control.

COVERAGE: Modern welding methods, types of welded joints used in construction and erection, and specifications for weldments are described. Particular attention is given to the following methods of weld inspection: X-ray, gamma-ray, magnetic, ultrasonic, mechanical, metallographic, and corrosion. Data concerning methods of inspecting welds for tightness are also

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Quality Control in Field Welding

SOV/5596

presented. The author thanks L. P. Bakhrakh, S. I. Panich, G. N. Shubert, and V. M. Lubov for their assistance in the work performed at VNIIST (Vsesoyuznyy nauchno-issledovatel'skiy institut po stroitel'stvu magistral'nykh truboprovodov -- All-Union Scientific Research Institute for the Construction of Main Pipelines). Chapters I, II, III, VI, VII, and X were written by A. S. Fal'kevich, Candidate of Technical Sciences; Chapters IV, V, and IX, by I. Ye. Neyfel'd, Engineer; and Chapter VIII, by L. S. Livshits, Candidate of Technical Sciences. There are 33 references, all Soviet.

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1. The significance of welding in the field	5
2. Characteristic features of welding under field conditions	6

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21910

S/125/60/000/011/005/016  
A161/A133

1.2300 also 1573

AUTHORS: Mazel', A.G., Neyfel'd, I.Ye.

TITLE: Interaction of droplet, coating and base metal in the welding arc

PERIODICAL: Avtomaticheskaya svarka, no. 11, 1960, 25-30

TEXT: Phosphorus reactions were studied in welding with УОИИ -13/45 (UONI-13/45) electrodes (basic coating) and УМ -7 (TSM-7) (acid coating), as well as the behaviour of molybdenum in welding with electrodes containing ferromolybdenum and coated with plastics. The arc current and voltage were oscillographed, and a high-speed relay switched off the current 10-15 sec after the beginning of welding. High-speed photo-camera records at the moment of switching off proved that a droplet stands still for 0.2-0.3 sec after the arc interruption; 0.25 sec was added to this time to determine the time of the droplet life, and the droplets were analyzed to determine the dependance of the droplet life time on the electrode end and the concentration of the alloy element added to the coating. A uniform distribution of the element

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S/125/60/000/011/005/016  
A161/A133

Interaction of droplet, coating...

in the droplets was found using an autoradiogram of the P<sup>32</sup> isotope (Fig.2). In welding with basic electrode coating (UONI-13/45) the phosphorus concentration decreased in the growing droplet (Fig.3), but in welding with acid coating (TSM-7) the phosphorus content increased (Fig.4). The molybdenum transfer was studied by adding 4% FeMo into the plastic gas-shielded coating on C<sub>B</sub>-08A (Sv-08A) wire. The investigation results proved that the transfer of elements from the coating into the droplet may proceed in different ways; in the case of molybdenum, cases are possible when the Mo concentration will not change with time. No such equilibrium was found with phosphorus. A certain quantity of base metal may stick to the electrode end after the arc interruption, as was proved with chrome-nickel 18-8 steel. This is not important from the point of the chemical composition of the droplets, but it appears that the base metal can affect the exit of electrons from the droplet in the direct-polarity welding process, i.e., when the droplet is the cathode. It was observed that the wire melting rate was about 20% higher when oxides (scale or rust) were present on the base metal surface. A thin chalk coating leveled the wire melting rate. The effect of the base metal surface in welding with inverse polarity (i.e. the base metal being the cathode) was studied with steel specimens that had been pickled and cleaned with wire

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Interaction of droplet, coating...

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A161/A133

brushes, coated with 0.05 mm copper, and with 0.05 mm nickel. The arc voltage was different and the weld shape coefficient (fusion depth/seam width ratio) varied (Fig.6), which is explained by the straying of the cathode spot. It appears that the weld shape may be controlled to a certain degree by changing the surface condition of the work, for instance in gas-shielded welding with consumable electrodes with inverse-polarity current. The effect of the surface condition is suppressed by the welding slags in welding with coated electrodes or with submerged arc. There are 6 figures and 3 Soviet references.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut po stroitel'stvu magistral'nykh truboprovodov. (All-Union Scientific Research Institute for the Construction of Main Pipelines)

SUBMITTED: March 14, 1960

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S/125/60/000/011/005/016  
A161/A133

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Interaction of droplet, coating...

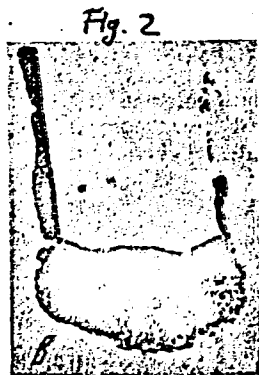


Figure 2:

- a - addition of radioactive sulfur to the coating
- b - addition of radioactive iron

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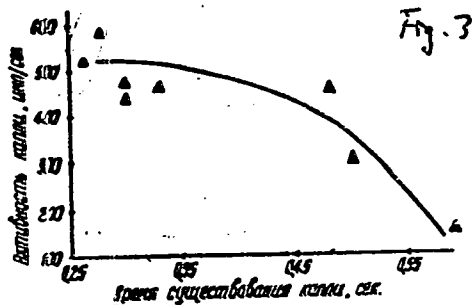


Figure 3:

Radioactivity of droplets with  $P^{32}$  in basic coating



Interaction of droplet, coating...

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A161/A133

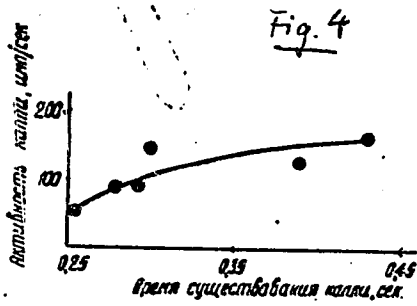


Figure 4:  
Radioactivity of droplets with  $P^{32}$  in acid coating

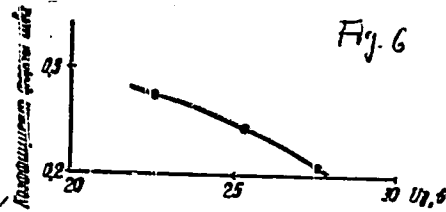


Figure 6:  
Dependence of the weld shape coefficient ratio of fusing depth to width of seam on the arc voltage, varying because of the different state of base metal surface

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32797

S/137/61/000/012/108/149  
A005/A101

1.8000

AUTHOR: Neyfel'd, I. Ye.

TITLE: Methods and equipment for gamma flaw detection of welded butts of gas-oil main pipelines

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 12, 1961, 66, abstract 12E409 (Vsb. "Radioakt. izotopy i yadern. izlucheniya v nar. khoz. SSSR, V. 3", Moscow, Gostoptekhizdat, 1961, 48-51)

TEXT: It is pointed out that gamma-flaw detection is characterized by low inspection costs, portable devices, simplicity and reliability of the control methods. For the purpose of selecting the most suitable isotope for gamma flaw detection, a number of institutes investigated the inspection of metal and weld joints with the aid of various isotopes, as e.g., Cs<sup>137</sup>, Ir<sup>192</sup> and others. It was established that the use of radioactive Cs<sup>137</sup>, not only raised the sensitivity of the gammagraphs, but reduced also the necessary exposure time when relatively thin steels (10 - 12 mm) were inspected. The exposure time was 11, 8 and 9 min respectively for inspecting a pipe butt of 720 mm in diameter, with Co<sup>60</sup>, Cs<sup>137</sup> and Ir<sup>192</sup> isotopes with 0.5 g-equiv. intensity. Moreover, the weight of containers

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32797

3/137/61/000/012/108/149  
A006/A101

Methods and equipment for gamma flaw ...

for the transportation of Cs<sup>137</sup> isotopes is 6 times less than the weight of containers for Co<sup>60</sup> isotopes. Therefore assembly organizations were advised to replace Co<sup>60</sup> ampoules, previously used, by Cs<sup>137</sup> ampoules of 1 - 2 g-equiv Ra-intensity. The use of such high-power ampoules made it possible to reduce the necessary exposure time by 2 to 4 times during inspection, and to inspect with a directed bundle of rays, without taking the ampoule off the container. Gamma-raying was performed through two walls and at three instrumentations of the source. A description is given of three special operating containers developed by the All-Union Scientific Research Institute of Main Pipeline Construction and the Glavgaz assembly trusts. The containers are intended to function according to the method described with the use of Cs<sup>137</sup> ampoules of 2 g-equiv Ra intensity.

V. Tarisova

[Abstracter's note: Complete translation]

Card 2/2

NEYFEL'D, I.Ya.

X-raying for the control of the welding of pipelines. Stroi.  
truboprov. 8 no.12:36 D '63. (MIRA 17:4)

MEYFELD, Igor' Yevgen'yevich; VICEKRIY, L.N., ved. red.

[Quality control of the welding of main pipes by radio-  
scopy] Kontrol' kachestva svarki magistra.'nykh trubo-  
provodov [rosvechivaniem]. Moskva, Izd-vo "Nedra," 1964.  
96 p. (MIRA 174)

MEYFEL'D, M.R.

Supply of power to overhead lighting networks and electric  
equipment in mines from one transformer unit. Prom.energ.  
18 no.4:51 Ap '63. (MIRA 16:4)  
(Electricity in mining--Safety measures)

ZARETSKIY, B.I., inzh.; NEYFEL'D, M.S., inzh.; MESEKOV, G.V., inzh.;  
PRUZHANSKIY, G.D., inzh.

Corrugating and assembling unit designed by N.I. Ershov for making slate  
without using packing material. Stroi. mat. 6 no. 11:25-27 N '60.

(MIRA 13:11)

(Roofing, Slate)

NEYFEL'D, R., mayor, komandir tankovogo batal'ona

Exercises according to specialties. Voen.vest. 43 no.7:65-67  
Jl '63. (MIRA 16:11)



NEYFEL'D. Ya.L., inzh.

Methods and nomograms for calculating d.c. coils. Vest. elek-  
troprom 31 no.5:52-56 Ky '60. (MIRA 13:8)  
(Electric coils)

НЕЙФЕЛ'ДТ, И.А.

MAL'CHEVSKIY, A.S.; NEYFEL'DT, I.A.

Materials on the biology of propagation and nutrition of the nightjar.  
Uch.zap.Len.un. no.181:61-76 '55. (MLRA 8:11)  
(Goatsuckers)

NETFEL'DT, I.A.

Data on the feeding of nestlings of some forest insectivorous birds  
[with English summary in insert]. Zool.zhur.35 no.3:434-440 Mr '56.  
(MIRA 9:7)

1.Zoologicheskiy institut AN SSSR.  
(Birds--Food)

NEYFEL'DT, I. A.: Master Biol Sci (diss) -- "Birds of southern Karelia".  
Leningrad, 1958. 20 pp (Zool Inst of the Acad Sci USSR, Academic Council),  
150 copies (KL, No 7, 1959, 123)

MEYFEL'DT, I.A.

Food of some forest birds of southern Karelia [with summary in English].  
Zool. zhur. 37 no.2:257-270 F '58. (MIRA 11:3)

1. Zoologicheskiy institut AN SSSR, Leningrad.  
(Karelia--Birds--Food)

NEYFEL'DT, I.A.; SOKOLOV, B.V.

Nesting of the forest stone thrush (*Monticola gularis* Sw.) in the upper Amur Valley. Ornitologiya no.3:236-250 '60. (MIRA 14:6)  
(Amur Valley--Thrushes)

MEYFEL'DT, I.A.

Biology of ground-nesting passerine birds. Trudy Probl. i  
tem. sov. no.9:260-272 '60. (MIEA 13:9)

1. Zoologicheskiy institut Akademii nauk SSSR.  
(Balashov Province--Passeriformes)

NEYFEL'DT, I.A.

Observations of the nesting of the Ussuri lesser black-tailed hawk-  
finch (*Eophona migratoria migratoria* Hart.) Zool.zhur. 39 no.4:585-  
594 Ap '60. (MIRA 13:11)

1. Zoological Institute of the U.S.S.R. Academy of Sciences, Leningrad.  
(Amur Valley--Grosbeaks)



MEYFEL'DT, I.A.

The wagtail *Dendronanthus indicus* (Ga.) in forests of the upper  
Amur Valley. Dokl.AN SSSR 132 no.4:957-960 Je '60.  
(MIRA 13:5)

1. Zoologicheskij institut Akademii nauk SSSR. Predstavleno  
akademikom Ye.N.Pavlovskim.  
(Simonovo region (Amur Province)--Wagtails)

NEEFEL'DT, I.A.

Biology of reproduction in *Pericrocotus divaricatus* (Raffles).  
Trudy Zool. inst. 29:303-322 '61. (MIRA 14:6)  
(Anur Valley--*Pericrocotus*)

NEYFEL'DT, I.A.

Feeding habits of passerine birds in southern Karelia, Zool. zhur. 40  
no.3:416-426 Apr '61. (MIRA 14:3)

1. Zoological Institut of the U.S.S.R. Academy of Sciences, Leningrad.  
(Karelia--Passeriformes)  
(Birds--Food)

NEYFEL'DT, I.A.; NECHAYEV, V.A.

First finds of nests of the honey buzzard *Fernis ptilorhynchus orientalis* Tacz in the U.S.S.R. Dokl.AN SSSR 145 no.2:463-466  
Jl '62. (MIRA 15:7)

1. Zoologicheskii institut AN SSSR i Dal'nevostochnyy filial  
Akademii nauk SSSR. Predstavleno akademikom Ye.N.Pavlovskim.  
(Suobodnyy District--Buzzards)

NEYFEL'DT, I.A.

Indian cuckoo (*Cuculus M. Micropterus* Gould), a nest parasite of  
the Amur shrike (*Lanius cristatus confusus* Stegm.). Dokl. AN SSSR  
151 no.6:1446-1449 Ag '63. (MIRA 16:10)

1. Zoologicheskij institut AN SSSR. Predstavleno akademikom Ye.N.  
Pavlovskim.

MEYFEL'DT, I.A.

Age-related plumage and its molting in the black-tailed hawfinch  
(*Eophona migratoria migratoria* Hart.) of the Ussuri Valley. Trudy  
Zool. Inst. 35:319-348 '65. (MIFA 19:1)

1. Zoologicheskii institut AN SSSR.

NEYFEL'DT, I.A.

One more unknown species of the fosterer bird of the common cuckoo.  
Zool. zhur. 44 no.1:140-142 '65. (MIRA 18:4)

1. Zoologicheskii institut AN SSSR, Leningrad.

POZYIAYKO, V. I., doctor of medicine (Moscow); KRETS, G.M. (Leningrad);  
PIKMANIK, A.S. (Moscow); KULAKOV, D.T. (Vladimir); POKHODIN, V.Ye.;  
IL'IN, G.S., doctor of biological sciences; NEYFER'DE, L.A., doctor of biological sciences.

Books. Priroda 55 no. 10, 19, 199, 111-113. Ja. 1972.

1. Leningradskiy pedagogicheskiy institut im. A. S. Gorkogo  
(for Kulakov). 2. Zoologicheskiy institut AN SSSR, Leningrad  
(for Neyfer'de).



SHEFER, D.G.; MALKIN, M.F.; NEYGALIKH, M.G.; RAZUMOVSKAYA, A.M.  
SHERSHEVER, S.M.; SOSKOVA, A.V.

Medical and prophylactic significance of the use of anticoagulants  
in disorders of the brain blood supply. Zhur. nerv. i psikh. 60  
no. 6:702-706 '60. (MIRA 13:12)

1. Klinika nervnykh bolezney Sverdlovskogo meditsinskogo  
instituta, Institut kurortologii i fizioterapii nervologicheskoye  
statsionary Sverdlovskaya.

(BRAIN—BLOOD VESSELS) (ANTICOAGULANTS)

NEYGAUZ, A., inzhener.

~~.....~~  
Saving on silk sieves in sifting. Muk.-elev.prom. 23 no.1:25-26  
Ja '57. (MLRA 10:5)

1.Frunzenskiy mel'nichnyy kombinat no. 11.  
(Grain milling)

NEYGAUZ, A., inzh.

Preventive maintenance of machinery. Mik.-elev.prom. 25 no.6:29  
Je '59. (MIRA 12:9)

1. Proizvodstvenno-tekhnicheskiy otdel Upravleniya khleboproduktov  
pri Sovete Ministrov Kirgizskoy SSR.  
(Grain-milling machinery--Maintenance and repair)

NEYGAUZ, A., inzh.

Efficiency improvements at the Frunze Milling Combine. Muk.-  
elev.prom. 25 no.9:26 S '59. (MIRA 12:12)  
(Grain-milling machinery)

L 10205-65 EWT(1)/EWA(h)

ACC NR: AP5028469

SOURCE CODE: UR/0286/65/000/020/0043/0043

AUTHORS: Fel'dman, V. L.; Neygauz, L. M.

ORG: none

TITLE: A device for recording small variable light signals. Class 21, No. 175579

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 20, 1965, 43

TOPIC TAGS: phototriode, recording equipment, transistor, visible light

ABSTRACT: This Author Certificate presents a device for recording small variable light signals (fractions of a lux) on a background of high-level constant illumination. The device uses a phototriode with a stabilitron in its base circuit (see Fig. 1). In order to widen the range of operation of the phototriode with respect to the level of constant illumination (hundreds of thousands of lux) and to stabilize the conditions of the phototriode, a triode with back conduction is connected to the collector circuit of the phototriode. The emitter of this second triode is connected to the stabilitron.

Card 1/2

UDC: 621.383.53

L 10205-66

ACC NR: AF5028469

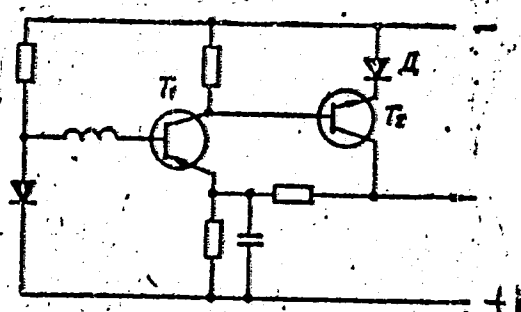


Fig. 1.

T<sub>1</sub> - Phototriode; T<sub>2</sub> - triode with back conduction; D - stabililtron.

Orig. art. has: 1 figure.

SUB CODE: 09/ SUBM DATE: 25Jun63

Card

2/2

MEYGAUZ, K. G.

"On the Determination of the Asymptotic of the Function  $g(x)$  According to the Properties of the Spectral Function of the Operator  $-y'' + q(x)y$ ." *Sov. Phys-Math Sci, Mathematics Inst imeni V. A. Steklov, Acad Sci USSR, Moscow, 1955.* (KL, No 18, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Deferred at USSR Higher Educational Institutions (16).

NEYGAUZ, M. G.

USSR/Mathematics - Stability criteria

FD-2860

Card 1/2

Pub. 85-13/16

Author : Lidskiy, V. V.; Neygauz, M. G. (Moscow)

Title : Criteria governing the stability of a system of differential equations with periodic coefficients

Periodical : Prikl. mat. i mekh., 19, Sep-Oct 1955, 625-627

Abstract : Recently the classical criterion of Lyapunov (Memuary [Memoirs], 1902) on the boundedness of all the solutions of the equation  $y'' + p(t)y = 0$  ( $p(t+w) = p(t)$ ) has been generalized in a number of works (V. A. Yakubovich, "Boundedness of the solutions of the equation  $y'' + p(t)y = 0$ ,  $p(t+w) = p(t)$ ," DAN SSSR, XXIV, No 5, 1950, 901-903; same authors, "Boundedness of solutions of linear systems of differential equations with periodic coefficients," DAN SSSR, 77, No 2, 1951, 189-192; M. G. Kreyn, "Certain problems on the maximum and minimum for characteristic numbers and the Lyapunov zones of stability," Prikl. mat. i mekh., 15, No 3, 1951, 323-348) has been generalized to the case of an arbitrary region of stability. In the enumerated works the authors proceeded from variational considerations. In the present work the writers using the theorem established by M. G. Kreyn ("Generalization of certain



Card 2/2

FD-2550

investigations of A. M. Lyapunov on linear differential equations with periodic coefficients," DAN SSSR, 73, No 3, 1950, 445-448) concerning the monotone motion of multipliers in the unit circle show how one can obtain similar criteria very simple to use.

Institution :

Submitted : February 14, 1955

NEYGAUZ, M. G.  
 USSR/ Mathematics - Spectral functions

Card 1/2 Pub. 22 - 6/49

Authors : Neygauz, M. G.

Title : A determination of the asymptotic characteristics of the  $q(x)$  function on the basis of the properties of a spectral function of the operator  $-y'' + q(x)y$

Periodical : Dok. AN SSSR 102/1, 25-28, May 1, 1955

Abstract : A series of theorems is presented considering the conditions to which the so-called spectral function  $\rho(x)$  of the equation

$$y'' + (\lambda - q(x))y = 0$$

should satisfy the conditions under which the corresponding function  $q(x)$ , called a potential function, would have a definite asymptotic characteristics at  $x \rightarrow +\infty$ . The following two cases are considered: 1)

$$q(x) = O\left(\frac{1}{x^n}\right),$$

Institution : The Acad. of Sc., Institute of Precise Mathematics and Calculating Technics

Presented by : Academician A. N. Kolmogorov, January 7, 1955

Card 2/2      rub. 22 - 6/49

Periodical : Dok. AN SSSR 102/1, 25-28, May 1, 1955

Abstract : where the  $n$  is a whole number  $\geq 1$ ; and 2) when  $q(x) \equiv 0$  at  
 $x \geq 2$ . Eight references: 1 USA and 7 USSR (1934-1951).

NEYSAN, M.D.

16(0); 28(2)

PHASE I BOOK EXPLOITATION

SOV/3365

Akademiya nauk Azerbaydzhanskoy SSR

Tezisy dokladov Soveshchaniya po vychislitel'noy matematike i primeneniyu sredstv vychislitel'noy tekhniki (Outlines of Reports of the Conference On Computational Mathematics and the Use of Computer Techniques) Baku, 1953. 63 p. 400 copies printed.

Additional Sponsoring Agencies: Akademiya nauk SSSR. Vychislitel'nyy tsentr, and Akademiya nauk SSSR. Institut avtomatiki i telemekhaniki.

No contributors mentioned.

PURPOSE: This book is intended for pure and applied mathematicians, scientists, engineers and scientific workers, whose work involves computation and the use of digital and analog electronic computers.

COVERAGE: This book contains summaries of reports made at the Conference on Computational Mathematics and the Application of Computer Techniques. The book is divided into two main parts. The first part is devoted to

Card 1/7

Outlines of Reports of the Conference (Cont.)

SOV/3365

computational mathematics and contains 19 summaries of reports. The second section is devoted to computing techniques and contains 20 summaries of reports. No personalities are mentioned. No references are given.

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SOV/3365

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61

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62

AVAILABLE: Library of Congress (QA75.S7)

Card 7/7

AC/fal  
4-13-60

AUTHORS: Demkov, Yu. N., Heygauz, M.G. and Senyukov, R.V. SOV/51-4-6-1/24

TITLE: Ground-State Energy of Helium (Energiya osnovnogo sostoyaniya geliya)

PERIODICAL: Optika i Spektroskopiya, 1958, Vol. IV, Nr 6, pp 709-714 (USSR)

ABSTRACT: The problem of finding energy levels for a helium atom in the non-relativistic approximation reduces to finding of stationary values of a certain functional  $J$ . The functional  $J$  has a lower bound. Its smallest extremal value  $\lambda$  is the value required and it determines the ground-state energy. The problem was solved by the Ritz method which gives an approximation for the extremal eigenvalue. This eigenvalue is always on the energy spectrum side. Applying this method to the  $J$  functional, an approximate energy value  $L$  is found which is the upper bound for the true eigenvalue  $\lambda$ . The system of functions used in the Ritz method was the same as in Refs 1, 2. The lower bound for  $\lambda$  was found using the Maehly method (Ref 5). The calculations were made using the BESM computer.

Card 1/2

Ground State Energy of Helium

SOV/51-4-6-1/24

Approximate values of the ground-state energy above and below the true eigenvalue were found. They are given as:  
- 2.9040855 <math>\lambda</math> <math>\leftarrow</math> 2.9037202. There are 1 appendix and 9 references, 5 of which are American, 1 English, 1 Swiss, 1 Soviet and 1 mixed (translation and German).

ASSOCIATION: Leningradskiy Gosudarstvennyy Universitet; Vychislitel'nyy Tsentr AN SSSR (Leningrad State University; Computing Centre, Academy of Sciences of the U.S.S.R.)

SUBMITTED: July 10, 1957

Card 2/2

16.6800

S/044/61/000/007/047/055  
C111/C222

AUTHOR: <sup>u</sup>Neygaz, M.G.

TITLE: Calculation of the determinant

PERIODICAL: Referativnyy zhurnal Matematika, no. 7, 1961, 47,  
abstract 7 V 306. ("Sb. standartn.i tipovykh programm dlya  
БЭСМ" (BESM). M., AN SSSR, 1960, 11-16)

TEXT: This is a complete program in the instructions of the BESM, a short description of the block diagram and an instruction for the use of the program for the calculation of the determinant of a quadratic matrix according to the method of elimination with the choice of a principal element.

[Abstracter's note : Complete translation.]

Card 1/1

EB

16.3500  
374700

38hEg  
S/044/62/000/005/018/072  
C111/C333

AUTHORS: Baklanovskaya, V.F., Kutasov, A.D., Neygauz, M. G.  
 TITLE: The numeric determination of the quasi-stationary solution to a system of one-dimensional parabolic equations  
 PERIODICAL: Referativnyy zhurnal, Matematika, no. 5, 1962, 72, abstract 5B328. (Zh. vychisl. matem. i matem. fiz.", 1961, 1, no. 2, 354-357)  
 TEXT: Considered is the system of equations

$$\frac{\partial C}{\partial t} = \frac{\partial^2 C}{\partial x^2} - C \psi(T), \quad (1)$$

$$\frac{\partial T}{\partial t} = \alpha \frac{\partial^2 T}{\partial x^2} + C \psi(T)$$

$-\infty < x < +\infty$ ,  $0 \leq t < +\infty$ ,  $x > 0$ ,  $x$  — constant. The given initial conditions are:  $T(x,0) = \tilde{T}(x)$ ,  $C(x,0) = \tilde{C}(x)$ ,  $\tilde{C}(x)$  and  $\tilde{T}(x)$  are monotonic,  $\tilde{C}(x) \rightarrow 0$  and  $\tilde{T}(x) \rightarrow 1$  for  $x \rightarrow -\infty$ ;  $\tilde{C}(x) \rightarrow 1$ ,  $\tilde{T}(x) \rightarrow 0$  for  $x \rightarrow +\infty$ . The function  $\psi(t)$  is continuous, it is  $\psi(T) \equiv \epsilon$  for  $0 \leq T \leq \epsilon$ ,  $\psi(T) > 0$   
 Card 1/2

The numeric determination of the ...

S/044/62/000/005/018/072  
C111/C333

For  $\varepsilon < T < 1$ . The solution of the Cauchy problem is given in the form  $C(x, t) = C_0(x - \omega_0 t) + u(x, t)$ ,  $T(x, t) = T_0(x - \omega_0 t) + v(x, t)$ . It is assumed that there exist only one constant  $\omega_0$  and only one quasi-stationary solution to (1) with the form  $\{C_0(x - \omega_0 t), T_0(x - \omega_0 t)\}$ , so that  $u(x, t)$  and  $v(x, t)$  for  $t \rightarrow \infty$  and arbitrary monotonic initial functions  $\hat{C}(x)$ ,  $\hat{T}(x)$  tend to zero. Two numerical methods are described for determining the number  $\omega_0$  and the quasi-stationary solution. These methods have been tested by the authors with the help of the computer BESM (B-3CM). The first method consists of the integration of the Cauchy problem for (1) using an implicit difference scheme. According to the second method, a boundary value problem must be solved for a certain system of ordinary differential equations satisfied by the quasi-stationary solution  $\{C_0(\xi), T_0(\xi)\}$ .

[Abstracter's note: Complete translation.]

Card 2/2

LIDSKIY, V.B. (Moskva); NEYGAUZ, M.G. (Moskva)

Use of the selection method in the case of a self-adjoint system  
of second order. Zhur. vych. mat. i mat. fiz. 2 no.1:161-165  
Ja-F '62. (MIRA 15:3)  
(Differential equations) (Boundary value problems)



ANDRIANOVA, Z.S.; KEYLIS-BOROK, V.I., kand. fiz.-matem. nauk;  
LEVSHIN, A.L.; NEYGAUZ, M.G.

[Surface Love waves] Poverkhnostnye volny Liava. Moskva,  
Nauka, 1965. 107 p. (MIRA 18:4)

USSR/Human and Animal Physiology - Excretion.

7-6

Abs Jour : Ref Zhur - Biol., No 4, 1958, 18261

Author : O.L. Neygauz

Inst : -

Title : Changes in Renal Function upon Stimulation of Arterial Receptors.

Orig Pub : Fiziol. zh. AN URSS, 1956, 2, No 2, 104-106

Abstract : Every 15 minutes determinations were made of diuresis, NaCl content and certain other urinary characteristics in dogs with their ureters led out on to the skin of the abdomen. After 20 to 30 ml of a 4% solution of pyramidon was injected into the femoral artery (under pressure against the blood flow), diuresis was sharply reduced, and NaCl excretion fell off almost to zero. A 20% solution of NaCl produced an analagous effect; when a 40% glucose solution was injected, the changes were negligible. Stimulation of the intra-arterial receptors causes functional changes in the kidneys.

Card 1/1

NEYGAUZ, Ye.L.

USSR/Pharmacology, Toxicology. Antinflammation Drugs

U-8

Abs Jour : Ref Zhur - Biol., No 4, 1958, No 17760

Author : Neygauz Ye.L.

Inst : Not Given

Title : The Influence of Intravascular Administration of Pyramidon on the Renal Function.

Orig Pub : Farmakol. i toksikologiya, 1956, prilozh. Sb. ref. 38-39

Abstract : The experiments were carried out on dogs with ureters brought to the surface of the abdomen (by the Pavlov-Tsitovich method). When pyramidon was intravenously administered (1.4% solution ; 1.25ml/kg) the animal became very excited: it had a typical attack of epilepsy with tonic and clonic convulsions. Immediately after the epileptic attack diuresis was retained for 15-45 minutes. NaCl diminished in the urine, albumin and sugar appeared. The urine acquired a reddish tint due to the presence of rhabsonic acid, the urine reaction changed often. After the arterial administration of pyramidon in the same dose there were no convulsions, diuresis diminished sharply and the quantity of NaCl in the urine decreased. The restoration

Card : 1/2

NEYGAUZ, YE L.

PAVLENKO, T.K.; NEYGAUZ, Ye.L.; GOSTEVA, Ye.A.

Changes in kidney functions as induced by the action of  
pyramidon, glucose, and sodium chloride on the nasopharyngeal  
mucosa. Dop. ta pov. L'viv. un. no.7 pt.3:98-100 '57.

(MIRA 11:2)

(KIDNEYS) (MUCOUS MEMBRANE)  
(RESPIRATORY ORGANS)

GRISHINA, O.S.; NEYZAUZ, Ye.L.

Perspectives of using fluorescent antibodies for the detection  
and identification of enteropathogenic Escherichia coli. Zhur.  
mikrobiol., epid. i immunit. 13 no. 1:74-77 Ja '66 (MIRA 1966)

1. Lvovskiy institut epidemiologii, mikrobiologii i gigiyeny.  
Submitted January 4, 1966.

L 08292-67 EWT(m)/EWP(t)/ETI IJP(c) JD/JG/WB  
ACC NR: AP6032051 SOURCE CODE: UR/0148/66/000/009/0062/0065 <sup>30</sup>

AUTHOR: Neygebauer, G. O.; Yaskevich, A. A.; Buryakov, Yu. A. <sup>33</sup>

ORG: Moscow Institute of Steel and Alloys (Moskovskiy institut i splavov) <sup>15</sup>

TITLE: Corrosion resistance of austenitic stainless steel containing nitrogen and the effect produced on it by rare-earth metals <sup>16</sup>

SOURCE: <sup>27</sup> IVUZ. Chernaya metallurgiya, no. 9, 1966, 62-65

TOPIC TAGS: austenitic stainless steel, chromium nickel stainless steel, steel intergranular corrosion, cerium containing steel, lanthanum containing steel, neodymium containing steel, praseodymium containing steel, nitrogen containing steel, austenitic steel, carbon steel, corrosion-resistance, intergranular corrosion

ABSTRACT: Two series of heats of austenitic stainless steel containing 0.03—0.09% carbon, 1.5—2.2% manganese, 18.0—20.0% chromium, 5—7% nickel, 0.15—0.20% nitrogen, and 0—0.50% rare-earth metal (cerium, lanthanum, neodymium and praseodymium) have been tested to determine the maximum carbon content which does not render the steel susceptible to intergranular corrosion and to evaluate the effect of small additions of rare-earth metal on this maximum permissible carbon content. Corrosion tests of specimens annealed at 1100C and sensitized at 650C

Card 1/2

UDC: 669.018.8:669.85/.86:620.193

L 08292-67

ACC NR: AP6032051

3

for 1 hr showed that carbon in excess of 0.043—0.046% sharply increased the rate of corrosion, which proves the susceptibility of steel to intergranular corrosion. Tests also showed that rare-earth metals lower the resistance to corrosion of all tested steels in proportion to the increase of steel carbon content. Rare-earth metals appear to form carbides at grain boundaries which, due to their instability in acid solutions, promote intergranular corrosion. On the other hand, sensitized steel containing 0.045% carbon and no rare-earth metals is not susceptible to intergranular corrosion, and its resistance to corrosion in boiling nitric acid corresponds approximately to that of vacuum-melted Kh18N9 steel and greatly exceeds the resistance to corrosion of Kh18N9T steel. Orig. art. has: 4 figures.

SUB CODE: 13, 11/ SUBM DATE: 17Jan66/ ORIG REF: 005/ OTH REF: 001

Card 2/2 ; 3

NEYGOL'DBERG, V., starshiy nauchnyy sotrudnik

Feat of unfading glory. Rech. transp. 22 no.2:38-39 F '63.  
(MIRA 16:5)

1. Tsentral'nyy nauchno-issledovatel'skiy institut ekonomiki i  
ekspluatatsii vodnogo transporta.

(Leningrad, Siege, 1941-1944)  
(Inland water transportation)



NEYGOL'DBERG, V., starshiy nauchnyy sotrudnik

Workers of the river fleet during the years of harsh trials. Rem.  
transp. 24 no.4:51-53 '65. WIRA 12:5

1. Tsentral'nyy nauchno-issledovatel'skiy institut ekonomiki  
i eksploatatsii vodnogo transporta.

NEYGOL'DBERG, Viktor Yakovlevich; RUMYANTSEV, S.M., red.; AZROVA,  
A.G., red.; ZHULIN, V.K., red.

[River transportation of the U.S.S.R. during the years of  
the Great Patriotic War] Rechnoi transport SSSR v gody  
Velikoi Otechestvennoi voiny. Moskva, Transport, 1965. 255 p.  
(MIRA 18:10)

KASHKAROV, P.; MEYGOVZEN, N.  
~~XXXXXXXXXX~~

Mechanizing the work in open pits supplying road machinery stations.  
Avt.dor. 20 no.3:18-19 Mr '57. (MLRA 10:5)  
(Road machinery)

BAZILEVSKAYA, Z.V.; LESUN, Z.V.; NEYKHAUZ, V.I.

Classification of scoliosis. Ortop., travm. i protez. 26  
no.12:77-78 D '65.

(MIRA 19:1)

1. Iz Irkutskogo Instituta travmatologii i ortopedii. Adres  
avtorov Irkutsk, ul. Bortsov Revolyutsii, d.1., Institut  
travmatologii i ortopedii. Submitted March 26, 1965.

MEYKO, Ye.M.

Change in capillary permeability in experimental infectious peritonitis in conjunction with hemorrhage. Vrach.delo no.5:463-465  
Ky '59. (MIRA 12:12)

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(PERITONITIS)

(HEMORRHAGE)



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