

L 20126-65 AMD Pb-J/Pa-4

ACCESSION NR: AR4039381

S/0299/64/000/008/M020/M020

SOURCE: Ref. zh. Biologiya, Abs. 8M121

AUTHOR: Petrov, R. V.; Zaretskaya, Yu. M.

TITLE: Transplantation of immunologically competent cells in irradiated animals 6

CITED SOURCE: Sp. III Vses. konferentsiya po peresadke tkaney i organov, 1963. Yerevan, 1963, 217-219

TOPIC TAGS: animal, irradiation exposure, cell, transplantation, lymph node, spleen, bone marrow, immune serum, homotransplantation

TRANSLATION: On the basis of the author's data and literature data, an attempt has been made to chart a course for overcoming complications connected with transplantation of immunologically competent cells (cells of the lymph nodes, spleen, and bone marrow). An analysis of the different methods of acting on the recipient and donor showed that the most promising method is to treat the donor's lymph tissue growth with immune sera and cells sensitized to the donor's growth, taken

Card 1/2

L 20126-65

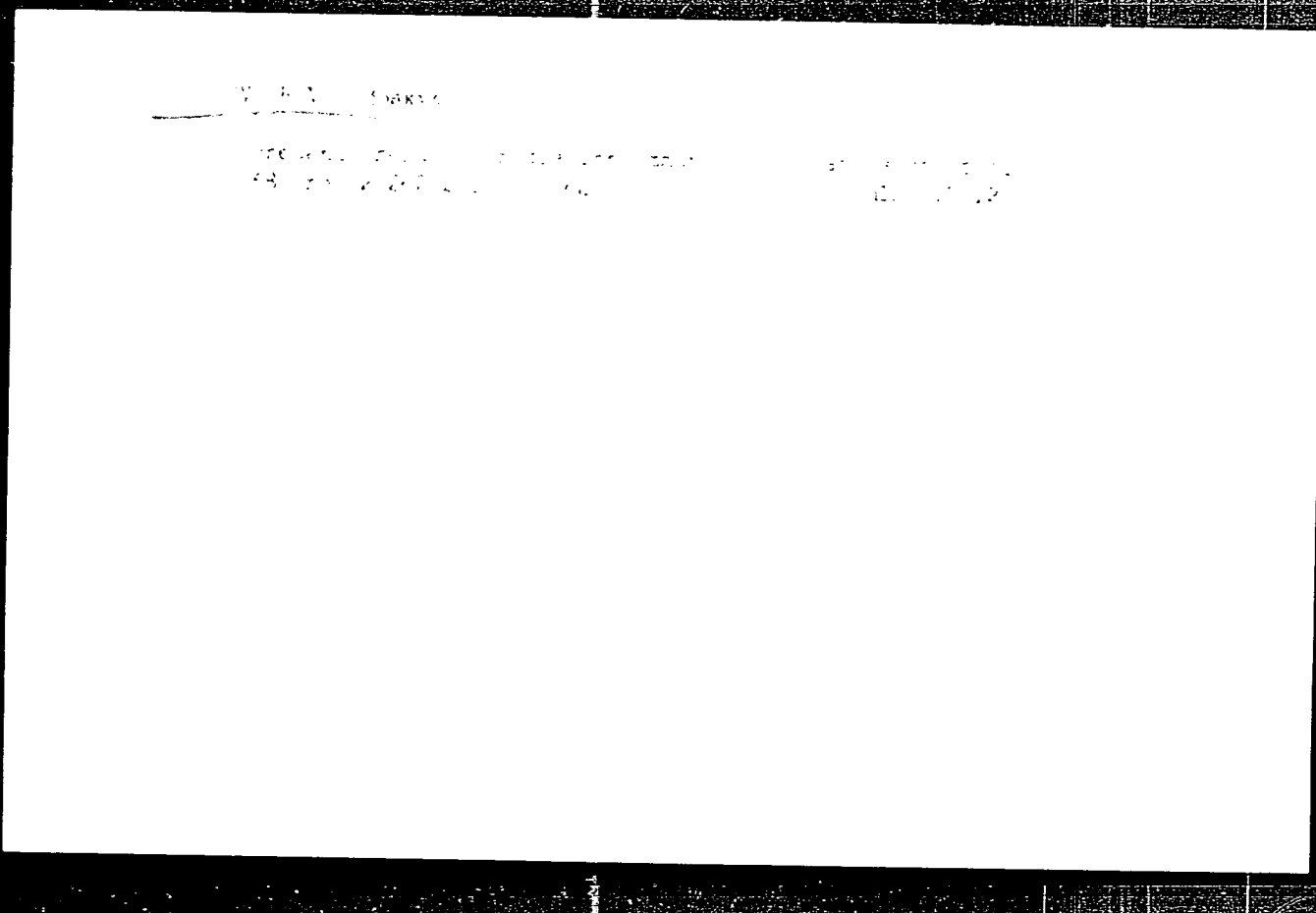
ACCESSION NR: AR4039381

from a previously immunized animal.

SUB CODE: LS

ENCL: 00

ord 2/2



RETROV, Rem Viktorovich; ZACHETSKAYA, Yuliya Mikhailovna;  
SOLDATENKOVA, T.A., red.

[Transplantation immunity and radiation carcinomas]  
Transplantatsionnyi immunitet i radiatsionnye khimery.  
Moskva, Atomizdat, 1965. 230 p. (NISA 1965)

MOL'KOV, Yuriy Nikolayevich; PETROV, R.V., red.

[Immunological aspects of the prevention diagnosis and  
treatment of cancer: Immunologicheskie aspekty profi-  
laktiki, diagnostiki i terapii raka. Moskva, Meditsina,  
1965. 243 p. (MIRA 18:5)

PEROV, R.V.; KREML, A.M.; LUBCHINA, N.

... ..  
... ..

ACC NR: AM6006277

Monograph

UR/

Petrov, Rem Viktorovich; Zaretskaya, Yuliya Mikhaylovna

Transplantation immunity and radiation chimera (Transplantatsionnyy immunitet i radiatsionnyye khimery) Moscow, Atomizdat, 65. 0230 p. illus., biblio. 1,980 copies printed.

TOPIC TAGS: radiation, radiation biologic effect, radiation damage, blood, transplantation, biologic transplant, tissue transplant, organ transplant

PURPOSE AND COVERAGE: This compilation deals with the problems and achievements in transplanting blood-producing (hematogenous) tissue after overexposure to radiation. Problems of the incompatibility of tissues after transplantation (transplantation immunity), and the methods for overcoming this immunity are analyzed in the light of extensive literature and of the authors' experiments. Several chapters are devoted to methods of transplanting marrow and to the effectiveness of this operation. Biology of radiation chimera (organisms originating as a result of accepting the transplants after irradiation of cells and tissue) is presented in detail. The possibility of utilizing radiation chimera for solving actual radiobiological problems is discussed. A separate chapter deals with the authors' theory on the aftereffects of overexposure to radiation. The monograph is of interest to a large

Card 1/2

UDC: 578.089.843:621.039.553.5

ACC NR: AM6006277

group of investigators in the field of radiobiology, immunology, and transplantation of organs and tissue, to practicing physicians, and to the teaching staff and students in schools of medicine and biology.

TABLE OF CONTENTS [abridged]:

Introduction - - 3

Ch. I. Transplantation immunity - - 7

Ch. II. Reaction "transplant vs. the host" - - 42

Ch. III. The effect of ionizing radiation on transplantation immunity - - 68

Ch. IV. Immunological tolerance and radiation - - 98

Ch. V. Medicinal effectiveness of transplanting hematogenous tissue to an irradiated recipient - - 126

Ch. VI. Radiation chimera - - 151

Ch. VII. Treatment of the transplanted hematogenous tissue in the organism of radiation chimera - - 184

Ch. VIII. Irradiated animals as living cultures of cells - - 203

Ch. IX. The immunological concept of the aftereffects of overexposure to radiation - - 217

Conclusion - - 148

Card 2/2 SUB CODE: 06/ SUBM DATE: 13Sep65/ ORIG REF: 003/ OTH REF: 011



PETROV, S., Inzi.

Engineering esthetics and quality of domestic radio equip-  
ment. Radio no.10:60-5: 0 '65.

(MIRA 18:1)

ПОДОБНЫМ В. П. ПЕТРОВ, С. ; СКОЛОВ-СОКОЛЕНКО, Л., канд. техн. наук

"1-23". Крыл. род. 15 no.9:24-25 С '64.

(МІРА 18:1)

AVTONOM

... .. "Takh.  
... .. (MIRA 13.6)  
... .. tekna snekoy  
...

L 63229-65 EEO-2/EWT(d)/FSS-2/EWT(l)/EWT(m)/FA/FA(b)/EWA(d)/T-2/EWP(h)/EWA/ED-2/  
EWA(g)/FCS(k)/EWA(c)

ACCESSION NR: AP5017032

UR/0209/65/000/007/0029/0032

AUTHOR: Petrov, S. (Military pilot first class, Engineer, Colonel); Chebotaev, I.  
(Engineer, Major)

38  
B

TITLE: Firing at ground targets from the L-29 aircraft

SOURCE: Aviatsiya i kosmonavtika, no. 7, 1965, 29-32

TOPIC TAGS: pilot training, aircraft cannon, gunnery training, gun sight, aircraft  
ammunition, aircraft/L-29 aircraft, ASP-3NM slash U gunsight

ABSTRACT: In an article dealing with training in flying schools, the use of an L-29  
aircraft equipped with an ASP-3NM/U gunsight for diving attacks on ground  
targets, using S-5M shells is discussed. The gunsight is designed for 12.7-mm  
bullets and 23-mm shells, the ballistic characteristics of which differ from  
the S-5M shell.

Card 1/5

L 63229-65

ACCESSION NR: AP5017032

0

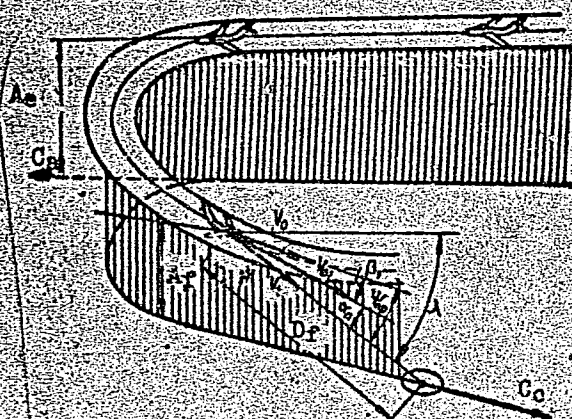


Fig. 1. Aiming system

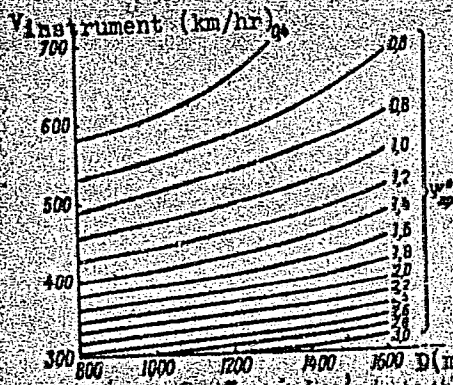


Fig. 2. Correction for angle  $\psi$

$A_e$  - Entry altitude;  $C_a$  - auxiliary course;  
 $A_f$  - firing altitude;  $D_f$  - firing distance;  
 $C_c$  - combat course.

Card 2/5

63229-65  
ACCESSION NR: AP5017032

0

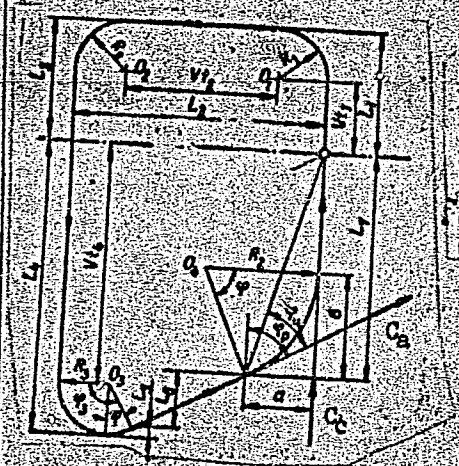


Fig. 3. Maneuver pattern for firing  
 $R_1, R_2, R_3$  - Radii of turns;  $t_1, t_2, t_4$  - flying time between turns;  $V$  - flying speed;  $\varphi_3$  - angle of the third turn;  $\varphi_4$  - angle of the fourth turn;  $\varphi$  - angle at which targets sighted at beginning of fourth turn;  $C_a$  - auxiliary course;  $C_c$  - combat course.

Card 3/5

L 63229-65

ACCESSION NR: AP5017032

The recommended approach to the target is carried out as follows:  
altitude - not less than 1500 m; angle of diving attack -  $30^\circ$ ; firing altitude - 600 m; range of fire - 1200 m (firing range is estimated by comparing the size of the target with the size of the range-finder reticle); speed of aircraft when firing - 430—450 km/hr.

To compensate for gravity drops and slip, the center of the reticle is displaced downward to the value of the correction for angle  $\Psi$ , which is equal to the sum of angles  $\beta$  and  $\alpha$  (see Fig. 1); the total correction ( $\beta$  and  $\alpha$ ) depends on the dive angle, aircraft speed, and range when firing. A graph (see Fig. 2) shows the correction for angle  $\Psi$  at a dive angle  $\lambda$  of  $40^\circ$ . The maneuver pattern is shown (see Fig. 3). The use of air brakes does not appreciably decrease speed; it does, however, set up vibration in the pedals, thus reducing the quality of aiming. Orig. art. has: 2 figures, 3 graphs.

Card 4/5

L 63229-65

ACCESSION NR: AP5017032

ASSOCIATION: none

SUBMITTED: OO

ENCL: OO

SJB CODE: WA, AC

NR REF SOV: OOO

OTHER: OOO

ATD PRESS: 4046-F

*all in*  
Card 5/5



SECRET, ...

CONFIDENTIAL ...

PETROV, S.

Very convenient. Mest.prom. i khud.promys. 2 no.12:26-27  
D '61. (MIRA 14:12

1. Upravlyayushchiy kontoroy "Lengorbytpokat".  
(Renting of equipment)

PETROV, S.

Every commander is an educator. Grazh. av. 20 no. 2-9  
S '63. (MIFA 16:8)

(Arctic regions--Aeronautics, Commercial)

ACC NR: AP6013415 (A) SOURCE CODE: UR/0317/65/00

AUTHOR: Petrov, S. (Maj. Gen. in engineering-technical corps); Chekmenev, Ye.

ORG: none

TITLE: Knowledge and skill [Operation and maintenance of gas and diesel electric power generator equipment]

SOURCE: Tekhnika i vooruzheniye, no. 9, 1965, 54-59

TOPIC TAGS: diesel engine, power supply, military training, electric generator, equipment preservation technique

ABSTRACT: The article deals with the operation and maintenance of military power units, primarily gas and diesel electric generating sets, setting forth a number of general principles and guide-lines for the proper care of this equipment. Problems relating to adequate service personnel training, repair schedules, and servicing procedures are discussed for a number of equipment types, including the UD-1 and UD-2 gas engines, the GAZ-MKB, D-6-150AD, D-40A, YAZ-204G, Ch-8, 5/11, D-6, D-12, etc. Proper use of the ZIP No. 1 and ZIP No. 2 spare-part-and-repair-kits for inhouse maintenance by the troops is discussed, and pertinent recommendations are made. Temperature, pressure, warm-up, and load operating conditions for specific equipment types, and frequent causes of failure are discussed. Lubrication specifications are given

FOR RELEASE: 06/15/2000

Card 1/2

ACC NR: AP6013415

the use of electric generating sets in association with transport vehicles, such as the IAP-1.5 trailer and the KRAZ-219 and Ural-375 trucks is considered. Personnel safety considerations are discussed, and the design, principle of operation, and use of continuous insulation monitoring devices (PKI for diesel electric sets and megometers M-143 for the gas variety) are analyzed. Orig. art. has: 2 figures.

SUB CODE: 10/<sup>1/8</sup> SUBM DATE: none/ ORIG REF: 001

Card 2/2

PETROV, S.

"Industrial hygiene" by B.I. Zheleznov, V.S. Marfenin. Reviewed  
by S. Petrov. Okhr. truda i sots. strakh. no.2:95 Ag '58.  
(MIRA 12:1)

(Industrial hygiene--laws and legislation)  
(Zheleznov, B.I.) (Marfenin, V.S.)

SOV/ 137-58-7-14188

Translation from: Referativnyy zhurnal Metallurgiya, 1958, Nr 7, p 32 (USSR)

AUTHORS: Garger, K. S., Krivulya, G. D., Umnov, V. D., Ul'yanov, D. P.,  
Mamchits, K. A., Petrov, S. A., Sorokin, A. A.

TITLE: Automation of Converter process Control (Avtomatizatsiya  
kontrolya konvertornykh protsessov)

PERIODICAL: Tr. Nauchno-tekhn. otd. chernov metallurgii, 1957,  
Vol 18, pp 738-742

ABSTRACT: A brief presentation is made of the history of the develop-  
ment of control of Bessemer blow, first by visual inspection  
and later performed with the aid of a photoelectric cell and a  
spectroscope. There follows a description of monitoring with  
the aid of the differential photoelectric method as developed by  
the Dneprodzerzhinsk Evening Institute of Metallurgy in con-  
junction with the im. Dzerzhinskiy Metallurgical Plant, termed  
the W-diagram method because of the shape of the record pro-  
duced. A description is provided of the means by which this  
method is applied; the results of the use of the method under  
shop conditions are presented, as are economic indices per-  
taining to its introduction and prospects for its development.

Card 1/1

1. Furnaces--Control systems 2. Photoelectric cells--Applications

1/1 3-5-7/52

AUTHORS: Koburneyev, I.M., ~~Petrov, S.A.~~, Sorokin, A.A. and  
Timoshpol'skiy, I.S., Engineers

TITLE: A Rational Method of Feeding Compressed Air (Ratsional'nyy  
podvod kompressornogo vozdukha)

PERIODICAL: Stal', 1959, Nr 3, pp 212 - 214 (USSR)

ABSTRACT: In order to improve the state of flame in gas-fired  
185-ton and 370-ton open-hearth furnaces at the above  
works, a supply of compressed air (up to 2 000 nm<sup>3</sup>/h)  
through the water-cooled tuyeres situated on both sides  
of the gas port was introduced. Alternatively, a compressed  
air (600 - 800 nm<sup>3</sup>/h) through Laval nozzles was supplied  
to ejectors placed at the end of the gas port. This  
measure increased the output of the furnaces by 3% and  
decreased the consumption of fuel by 2-3%. In 1956, the  
supply of compressed air to 85-ton furnaces was modified;  
namely, it was introduced into the flame through three  
sections of tubes situated along the port (Figure 1).  
This mode of supplying air increased the output by 8-10%  
and decreased the consumption of fuel by 6-8%.  
Simultaneously due to a better control of the flame the  
durability of roofs increased. The comparison of operating

Card1/2



507/133-09-5-7/32

A Rational Method of Feeding Compressed Air

indices without and with the use of compressed air is shown in Tables 1 and 2. It is thought that a similar supply of oxygen may be particularly beneficial. In this case, it would be sufficient to supply oxygen through 2-3 streams situated on both sides of the flame, whereupon the bottom streams would act on the bath, speeding up the steel-making process and particularly the decarburation of the bath. In order to protect the roof from the action of the flame it would be advantageous to supply compressed air through the tubes of the upper section (Figure 3). There are 2 tables and 3 figures.

ASSOCIATION: Zavod im. Dzerzhinskogo (im. Dzerzhinskiy Works)

Card 2/2

PETROV, S. A.

PETROV, S. A.: "The development of the technique of drilling-and-explosion work in the USSR mining industry". Leningr d, 1955. Min Higher Education USSR. Leningrad Order of Lenin and Order of Labor Red Banner Mining Inst. (Dissertation for the Degree of Candidate of TECHNICAL Sciences)

SO: Knizhnaya Letopis' No. 51, 10 December 1955

PROCESSING AND PROPERTIES INDEX

PETROV, S.  
CA

2

Adsorption of cations on platinumized charcoal in a hydrogen atmosphere. *S. Ostasov, R. Hurstein and P. Kiseleva. *Acta Physicochim. U. R. S. S. R.* 11, 80-83(1958) (in English).*— In a H<sub>2</sub> atm. the adsorption of uni- and multi-valent ions on slightly activated platinumized charcoal is in the order  $Li < Na < K < Cs$  and  $K^+ > Ba^{++} > La^{+++}$ . (On highly activated charcoal the reverse order holds for increasing ionic charge. The practically unchanged adsorption of K<sup>+</sup> and the strongly increased adsorption of the multivalent ions on increasing activation are ascribed to parallel increases in the pore diam. Values for the adsorption calcd. on the basis of Stern's theory agree well with the exper. data. P. H. Rathmann

Lab. Surface Phenomena,  
Purp. Chem. Inst. in Kazan, Moscow

METALLURGICAL LITERATURE CLASSIFICATION

13107, 0.

"Monthly List of East European Accessions. Vol. 3, no. 3. Library of Congress. March 1954. Incl."

SO: Monthly List of East European Accessions. Vol. 3, no. 3. Library of Congress. March 1954. Incl.





VELCHEV, V.; PETROV, Sl.; GANCHEV, Sl.

New materials and notes on the flora in the basin of the Mesta River, Gotse Delchev region. Izv Inst bot BAN 7:293-303 '60.

1. Chlen na Radaktsionnata kolegia, "Izvestiia na Botanicheskiia institut" (for Ganchev).

PETROV, Sl.

Floristic material and critical notes. Izv Inst bot B&N  
7:363-364 '60.



PETROV, Slavcho; PALAMAREV, Emanuil

Paleobotany in a textbook on paleontology. Izv Inst bot BAN  
13:155-159 '64.

PETROV, Slavcho

First findings of *Frullania fragilifolia* Taylor, *Dicranum rugosum* (Hoffm.) Brid., *Grimmia unicolor* Hook., and *Grimmia torquata* Hornsch. in Bulgaria. *Izv Inst bot BAN* 13:161-163 '64.

~~PETROV, Stojan~~ [Petrov, Stoian]

Balkan-50: the Bulgarian moped. Auto motor 15 no.12:21 21 Je '62.

1. Avto-Moto foszerkesztoje, Sofia.

PETROV, Sztojan [Pettov, Stoian]

Balkan-250. Auto motor 15 no.14:19 21 JI '62.

1. Avto-Moto foszerkesztoje, Sofia, Bulgaria.



PETROV, Sztojan [Petrov, Stoian]

Motor sports in Bulgaria. (To be contd.) Auto motor 15  
no.20. 21 0 '62.

1. "Avto-Moto" fo szerkesztoje, Sofia, Bulgaria.

ARSENIJEVIC, Miro, ing., redovni profesor (Beograd, Loznicka 17); PETROV,  
Sava, ing.

Spinning of the mixture of cotton and cellulose fiber. Tehnika Jug  
16 no.11:2027-2031 '61.

1. Tehneloski fakultet Universiteta u Beogradu (for Arsenijevic)
2. Predionica pamuka "Trudbenik", Pancevo (for Petrov)

5

Bulgaria/Military

B-562

PETROV, St., Podpolkovnik/Med Serv, and  
KRUSTANOV, L., Podpolkovnik/Med Serv; authors of an  
article entitled "Changes in Serum Cholinesterase  
in Combined Injuries Resulting From Acute Roentgen Radia-  
tion and Tabun Poisoning." (Voenna Meditsinsko Delo,  
May 61, pp 34-37)

34  
(2)



~~PETROV, Stanyu~~  
~~SURNAME (in caps); Given names~~

Country: Bulgaria

Academic Degrees: not indicated

Affiliation: Member of the staff of Geografiya, Editor: Yvanco  
YORDANOV

Source: Sofia, Geografiya, No 1, 1961, pp 17-20

Data: "The Pampas of Argentina As An Economically Developed  
Region."

PETROV, Stanyu

SURNAME (in caps); Given Names

Country: Bulgaria

Academic Degrees: not indicated

Affiliation: Member of the staff of Geografiya, Editor: Tyanko YEREMOV

Source: Sofia, Geografiya, No 2, 1961, pp 14-15

Data: "The Cameroons."

PETROV, S.

Cabinet for a magnetic tape recorder. Radio no. 12:36 D '60.  
(MIRA 14:1)

(Magnetic recorders and recording)

GALIBOV, P.; AMERCHANOV, A., prepodavatel'; GRIGOR'YEVA, N.; MAGAR, N.;  
ZHUKOV, V.; PETROV, S.

News from schools. Prof.-tekh.obr. 17 no.5:32, 3 of cover  
My '60. (MIRA 13:7)

1. Direktor Ordzhonikidzeabadskogo sel'skogo professional'no-  
tekhnicheskogo uchilishcha No.24 (Tadzhikskaya SSR (for Galibov).
2. Pomoshchnik direktora Glukhovskogo uchilishcha mekhanizatsii  
sel'skogo khozyaystva No.1 (Sumskaya oblast') (for Magar).
3. Zamestitel' direktora po uchebno proizvodstvennoy chasti  
Stroitel'nogo uchilishcha g.Kalinina (for Petrov).  
(Technical education)

PETROV, S.

Future construction workers, WTO no.8:36 Ag '59.

(MIRA 12:11)

1. Chlen nauchno-issledovatel'skoy komissii Molodezhnoy respublikanskogo pravleniya  
Nauchno-issledovatel'skogo obshchestva stroitel'noy industrii, Kishinev.  
(Building)

PETROV, S.

"The Savanna."

p. 13 (Geografija, Vol. 1, No. 5, 1955, Sofia, Bulgaria)

Monthly Index of East European Accessions (MIEA) LC, Vol. 2, no. 11,  
Nov, 1955

PETROV, S..

On a visit to Japanese builders. Na stroi. Mosk. 2 no.4:28-29  
Ap '59. (MIRA 12:7)

1. Instruktor peredovykh metodov truda Tsentral'noy nauchno-  
issledovatel'skogo byuro Glavmosstroya.  
(Japan--Building)

PETROV, S.

Conference on problems in the training of bank specialists. Den. i  
kred. 16 no. 7:93-94 J1 '58. (MIRA 11:7)

(Finance--Study and teaching)



PETROV, S.

The steppe

P. 19, (Geografiia) Vol 7 no. 6, 1957, Sofia, bulgaria

SO: Monthly Index of East European Aces ions (EEAI) Vol. c, No.11 Novemter 1957

*PEIROV*

BULGARIA, General Problems of Pathology - Tumors.

T-5

Abs Jour : Ref Zhur - Biol., No 4, 1958, 12427

Author : Petrov, I., Metev, M., Marangulov, I.

Inst : -

Title : The Clinical Picture and Course of Acute Leukemias of Childhood.

Orig Pub : Voen. med. delo (B 16), 1957, 12, No 7, 29-30

Abstract : No abstract.

Card 1/1

PETROV, S.

The etiology and pathogenesis of some periarticular disorders.  
Srpski arh. celok. lek. 83 no.7-8:769-775 July-Aug 55.

1. Rentgenolosko odelenje I Doma Narodnog zdravlja u Skoplju.  
Sef: Sima Petrov.  
(PERIARTHRTIS,  
etiol. & diag. (Ser))

PERKOV, S.

Krat, V., and Petrov, S. Tables of the auxiliary functions  $\psi$  and  $x$  for determining the elements of systems of eclipsing variables. II. *Izvestiya Astr. Observ. Pulkovo* 17, no. 5(140), 117-120 (1947). (Russian)

The first two tables in the paper under review contain 3D values of Russell's function  $\psi(k, n)$  which is basic to his method for determining the elements of eclipsing binary systems from an analysis of their light curves due to solar or annular eclipses of completely darkened stars; the range of arguments is  $k=0.1(0.1)1.0$  and  $n=0.0(0.1)1.0$  in table 1 (total eclipses) and  $k=0.2(0.1)1.0, n=0.0(0.1)1.0$  for table 2 (annular eclipses). The interval of tabulation in either argument is too large to make the tables easy of interpolation. Both these tables appear to be improved versions of old tables of the same functions published by Russell and Shapley [*Astrophys. J.* 36, 239-254 (1912), table 11; 383-408 (1912), table 11]. The discrepancies between the old and new tables are very large (affecting frequently the second significant figure) and due probably to the inferior quality of Russell and Shapley's  $\psi$ -tables [tables L and I; of their papers just referred to] which are at the basis of the  $\psi$ 's. Krat and Petrov had presumably at their disposal the new accurate tables of the  $\psi$ -function constructed by Zessewitsch [*Bull. Inst. Astr. Acad. Sci. URSS*, no. 45 (1939); cf. *Math. Tables and Other Aids to Computation* 3, 191-195 (1948)].

The original part of the paper under review consists of its extensive table 3, containing 4D values of Krat's auxiliary functions  $\psi$  and  $x$  for  $k=0.1(0.1)1.0$  and  $\omega=0.0(0.1)0.9$  [(for their definition, cf. Krat, *Russian Astr. J.* 11, 407-414 (1934); 12, 21-27 (1935)], computed on the assumption that the star undergoing eclipse appear as a uniformly bright disk.

Z. Kopal (Cambridge, Mass.)

*SM*  
*BR*

5006

Source: Mathematical Reviews,

Vol. 11 No. 3

PFROV, S.

"Files of prestressed concrete for grapevines."

p.10 (Stroitelstvo, Vol. 5, no. 3, 1958, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 8, August 1958

PETROV, S.

Electric corona performs useful work. Znan. sila 36 no. 4:44 Ap '61.  
(MIRA 14:4)

(Corona (Electricity))

PETROV, S.

Formosa. P. 18  
(GEOGRAFILA Vol. 5, No. 2, 1955, Sofiya)

SO: Monthly List of East European Accession, (EEAL), LC, Vol. 4, No. 9,  
Sept. 1955, Uncl.

PELEOV, S.

PELEOV, S. The tundra. p. 10.

Vol. 6, No. 7, 1960.

GEOGRAPHIA

GEOGRAPHY & ECOLOGY

Sofia, Bulgaria

Sci. East European accession, Vol. 6, No. 7, February 1960



PETROV, S.

Gogol', Nikolay Vasil'y Evich, 1809-1852

His greatest book ("Dead Souls"), Mol. kolkh, No. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, May 1952, Unclassified.

PETROV, S.

Technology

An excellent factory, Penzenskoe, 1951.

9. Monthly List of Russian Accessions, Library of Congress, December 195~~1~~<sup>2</sup> Unclassified.



PETROV, SHT.; RADEV, S.

Organization of the production in machine-building enterprises. p. 8.  
(Tezhka Promishlenost, Vol. 5, no. 12, 1956, Bulgaria)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 6, June 1957, Uncl.

PETROV, S.T.

Asenov, M.; Petrov, S.T. "Using Tractors in Summer Agricultural work for High and qualitative Production" p. 3  
(Mashinizirano Zemedelie, Vol. 1, No. 3/4, 1953, Sofia)

S.: Monthly List of East European Accessions, Vol. 3, No. 3, Library of Congress, March, 1954 Uncl.

PETROV, Sima, Dr.

Significance of early diagnosis of tuberculous coxitis.  
Tuberkuloza, Beogr. 7 no.2-3:128-137 Mar-June 55.

1. Dom narodnog zdravlja, Rendgenolosko odeljenje,--  
Skoplje (Sef: dr. Sima Petrov).  
(TUBERCULOSIS, OSTEOARTICULAR,  
hip, early diag.)

Secondary localizations of staphylococcal infections and their  
aseptotuberculous forms. Tuberkuloza, Beogr. 9 no.1:56-58 Jan-Feb  
62.

(MICROCOCCAL INFECTIONS, manifest.  
pulm. differ. diag. from pulm. tuberc. (Ser))

(TUBERCULOSIS, PULMONARY, differ. diag.  
pulm. localizations of Micrococcal infect. (Ser))

PETROV, Sima, Dr.

Radiological presentation of lung apex. Tuberkuloza, Beogr.  
8 no.3-4:239-242 May-Aug 56.

1. Rendgenoloski institut Klinicke bolnice u Skoplju.  
(LUNGS, radiography  
of lung apex (Ser))



PETROV, Sima, Dr.

Radiological presentation of lung apex. Tuberkuloza, Beogr.  
8 no.3-4:239-242 May-Aug 56.

1. Rendgenoloski institut Klinicke bolnice u Skoplju.  
(LUNGS, radiography  
of lung apex (Ser))

PETROV, Sima Dr.

Fibrothorax. Tuberkuloza, Beogr. 7 no.1:42-47 Jan-Feb. '55.

1. Dan narodnog zdravlja I. Rendgenolosko odjeljenje-Skoplje  
(sef: dr S. Petrov)

(PNEUMOTHORAX, ARTIFICIAL, compl.  
fibrosis & adhesions, review (Ser))

(PLEURA, dis.  
causing fibrothorax, review (Ser))

PETROV, Sina, dr.

Endogenous exacerbation of specific process in hilus pulmonis.  
Tuberkuloza, Beogr. 6 no.4:225-227 July-Aug 54.

1. Dom narodnog zdravlja u Skoplju, Rendgenolosko odeljenje (sef:  
dr. Sina Petrov)  
(TUBERCULOSIS, PULMONARY, pathol.  
hilus)

PETROV, Sima

PETROV, Sima

Etiopathogenesis of spontaneous pneumothorax. Tuberkuloza, Beogr.  
5 no. 5-6:452-457 Nov-Dec 53.

1. Dom narodnog zdravlja, I gradska poliklinika GNO u Skoplju;  
Rendgenolosko odeljenje (Sef dr. Sima Petrov)  
(PNEUMOTHORAX

\*spontaneous, etiol. & pathogen.)

PETROV, Sima

PETROV, Sima

Ambulatory experiences in the radiological diagnosis of malignant tumors of the respiratory organs. Tuberkuloza, Beogr. 5 no.5-6: 482-493 Nov-Dec 53.

1. Dom narodnog zdravlja u Skoplju, Rendgenoloski odjel (Sef dr. S.Petrov)

(RESPIRATORY SYSTEM, neoplasms

\*diag., x-ray)

PETROV, ST.

"(tshta stopanska geografiia na shes'i klas na tsvetnitsite gimnazii. Seliya  
(Narodna prosveta) 1951. 75 p. (General economic geography; a textbook for the  
sixth year of commercial high schools)

SO: Monthly List of East European Associations L. J. Vol. 2, No. 7, July 1953, incl.

PETROV, S. A., Engr.

Cand. Tech. Sci.

Dissertation: "Wear of the Shares of Tractor Plows." All-Union Scientific Institute of Mechanization and Electrification of Agriculture - "MIZ" (Moscow).

№: Vechnyaya Pamyat', Ser. 1.11 (Project #22000)

PETROV, S. A., ed.

MOSCOW. Machine-tractor stations are the decisive factor in collective farm production; index of recommended literature on the mechanization of agriculture for use of workers at machine-tractor stations Moskva, 1954. 80 p. (55-57621)

1. Machine-tractor stations - Bibl.
2. Agriculture, Cooperative - Russia. I. Vadikovskaia, I.M. II. Petrov, S.A., ed.

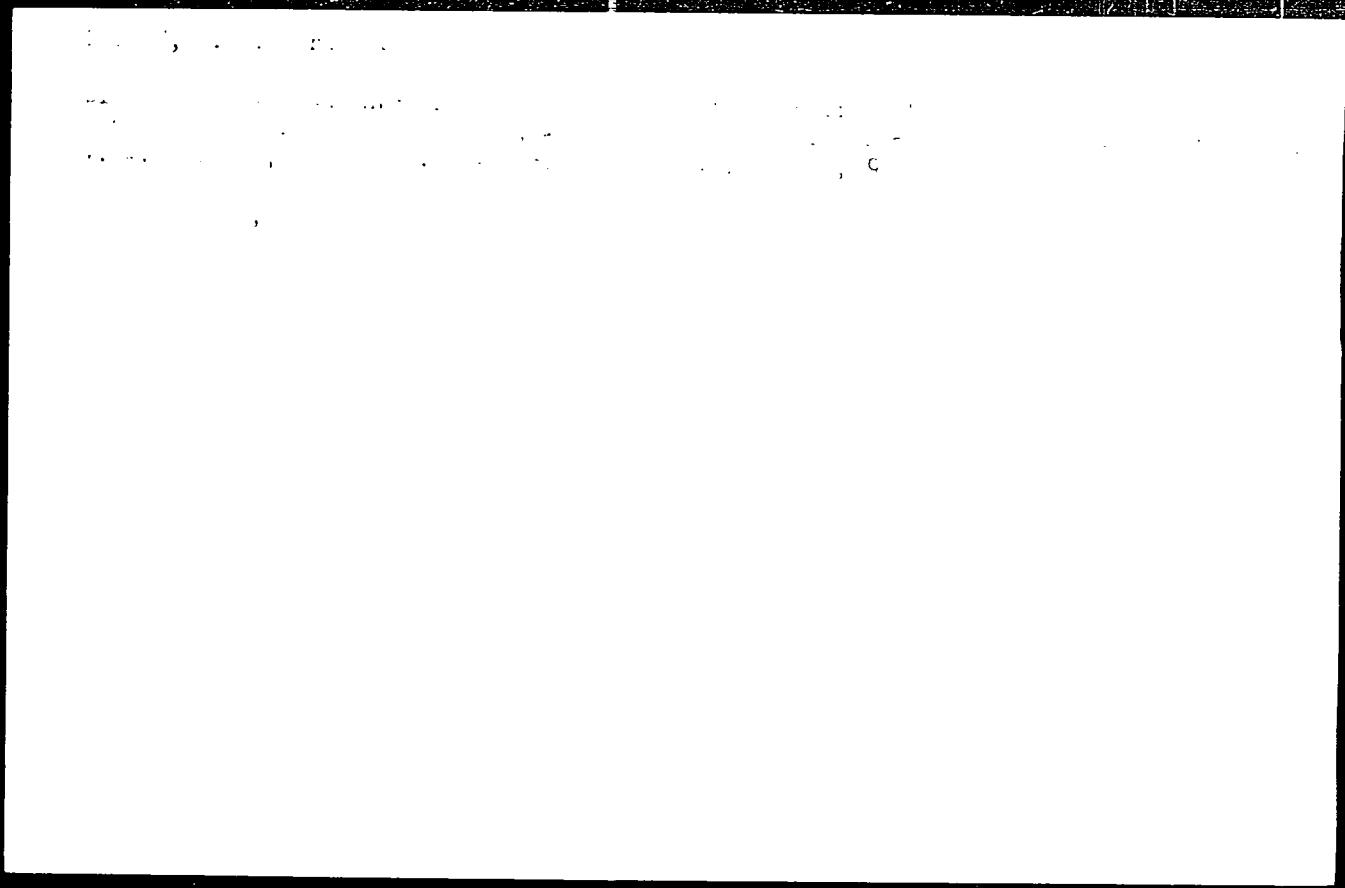
Z507.M18M6



PETROV, S. I.  
 ARTEM'YEV, Yu.N., kandidat tekhnicheskikh nauk; ALEKSEYEV, I.A., inzhener; ASTVATSATUROV, G.G., inzhener; BISNOVATYY, S.I., inzhener; BONDARENKO, A.P., inzhener; GURAL'NIK, Ye.L., inzhener; GOBBUNOV, M.P., inzhener; ZLATKOVSKIY, A.P., kandidat tekhnicheskikh nauk; KATTS, N.V., inzhener; KITAYEV, A.S., inzhener; KOZLOV, A.M., inzhener; LEONOV, P.T., inzhener; LIVSHITS, L.G., kandidat tekhnicheskikh nauk; LIBERMAN, A.R., inzhener; LINNIK, Ye.M., inzhener; LUKANOV, M.A., inzhener; MOROZOV, S.A., inzhener; POGORELYY, I.P., kandidat tekhnicheskikh nauk; PETROV, S.A., kandidat tekhnicheskikh nauk; PYATETSKIY, B.G., inzhener; RABOCHIY, L.G., kandidat tekhnicheskikh nauk; SELIVANOV, A.I., kandidat tekhnicheskikh nauk; FERBERG, B.S., kandidat tekhnicheskikh nauk; CHISTYAKOV, V.D., inzhener; CHUNIKHIN, V.M., inzhener; SHIRYAYEV, A.I., inzhener; SHCHUPAK, A.D., inzhener; KUCHUMOV, P.S., inzhener, redaktor; PETROV, S.A.; PESTRYAKOV, A.I., redaktor; BALLOD, A.I., tekhnicheskii redaktor.

[Handbook of equipment for repairing tractors and agricultural machinery] Spravochnik po oborudovaniyu dlia remonta traktorov i sel'skokhoziaistvennykh mashin. Moskva, Gos. izd-vo selkhoz. lit-ry, 1954. 646 p. (MIRA 7:11)

(Tractors--Repairing) (Agricultural machinery--Maintenance and repair)



AFANAS'YEV, S.G.; KOSTENETSKIY, O.N.; SHUMOV, M.M.; IVANOV, Ye.V.; PAVLOV, A.I.; GARGER, K.S.; KRIVULYA, G.D.; UMNOV, V.D.; UL'YANOV, D.P.; MAMCHITS, K.A.; ~~PETROV, S.A.~~; SOROKIN, A.A.; FRIDMAN, Ye.L.; EPSHTEYN, Z.D.; IVANTSOV, G.P.; NETESIN, A.Ye.

Reports (brief annotations). Biul. TSNIICHM no.18/19:106-107 '57.  
(MIRA 11:4)

1. Zavod im. Petrovskogo (for Kostenetskiy).
2. TSentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii (for Shumov, Epshteyn, Ivantsov).
3. Vsesoyuznyy nauchno-issledovatel'skiy institut ogneporov (for Ivanov).
4. Stal'proyekt (for Pavlov).
5. Metallurgicheskiy zavod im. Dzerzhinskogo (for Garger, Krivulya, Umnov, Ul'yanov, Mamchits, Petrov, Sorokin).
6. Dnepropetrovskiy filial Gipromeza (for Fridman).
7. TSentral'nyy institut informatsii chernoy metallurgii (for Netesin)  
(Bessemer process)

PETROV, STANIU

"Geografiia na NR Bulgariia; uchebnik za VII klas na obshtoobrazovatelnite uchilishta. Sofiia, Narodna prosveta, 1957. (Geography of the People's Republic of Bulgaria; a textbook for the 7th grade of general schools. illus., maps, footnotes)

p.159 (Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 8, August 1958

105 6 22/26

AUTHOR  
TITLE

PETROV, S.A. Cand. techn. sciences, TIKHMENEV, B. N., Eng SUSLOV, I. V., Eng.  
Problems of Railroad Electrification.  
(Voprosy elektrifikatsii zheleznikh dorog.- Russian)  
Elektrichestvo, 1957, No 6, pp. 82-90 (U.S.S.P.)

PERIODICAL

ABSTRACT

In summer 1956 the new mercury rectifier-electrolocomotives of the series NO, constructed by the electrolocomotive manufacturing plant in Novochoerkask, were tested on the testing line Ozherel'ye-Pavelets, 137 km of length, (south of Moscow). The essential data of these locomotives are- sequence of axes Co + Co, axle load 22 t, clutch weight 132 t, speed 75 km/h, diameter of wheel 1200 mm, voltage at collector bow 20.000 V, type of current-monophase alternating current with 50 cycles per second, type of motor DPE -400, hourly output 425 kW, at hourly operation- traction 23 400 kg and 40,5 km/h, at continuous operation- traction 16 600 kg and 43 km/h. The average operating efficiency with consideration of internal consumption is 0,81-0,82 power coefficient 0,8-0,82. The energy coefficients agree well with those of mercury-rectifier-electrolocomotives abroad. Imperfections which occurred at the trial trips are enumerated and suggestions for improvements are made. The rectifier aggregates do not yet work reliable enough, safety devices have to be improved, a recuperative braking would be of great importance, new semiconductor rectifiers might be used, the system of auxiliary aggregates should be coupled with the compensating device for idle power of the locomotive. It is further stated that electrification based upon alternating current with industrial frequency and a volta-

Card 1/2

Problems of Railroad Electrification.

105-6-22/26

ge in the consumer line of 20-25 kV is absolutely preferable to electrification based upon direct current with a voltage of 3 kV. Problems in connection with coordinating both types of current are discussed. A survey was also given of the experience made with problems concerning rectifier electro-locomotives in France. Finally the data of the two new six-axle test electro-locomotives of the series N60 with 4 000 Kw are given- cluth weight 138 t, speed 45 km/h, frequency 50 hertz, voltage 20 kV, traction (at hourly operation) 33 t.

ASSOCIATION

Institute for Complex Transport Problems of the Academy of Science of the U.S.S.R., Allunion Institute for Railroad Affairs of the Ministry of Traffic.

PRESENTED BY

SUBMITTED

AVAILABLE

Card 2/2

Library of Congress.

TIKHOMENOV, Boris Nikolayevich; PETROV, S.A., kand.tekhn.nauk, red.; KHITROV,  
P.A., tekhn.red.

[AC electric locomotives with static transformers] Elektrovozy  
peremennogo toka so staticheskimi preobrazovateliami. Moskva, Gos.  
transp.zhel-dor. izd-vo, 1958. 266 p. (MIRA 11:5)  
(Electric locomotives)

PETROV, S.A.; KORSHUNOV, V.A.

Test data on electric locomotives with mercury rectifiers.  
Vop.elek.zhel.dor. no.1:31-48 '59. (MIRA 12:8)  
(Electric locomotives)



PETROV, S.A.; GOLOVANOV, V.A.

Use of a model in the experimental investigation of the speed of an electric locomotive with ionic converters, of the phase of the first harmonic, and of the amplitudes of the harmonics composing the primary current. Vop.elek.zhel.dor. no.1:135-151 '59. (MIRA 12:8)

(Electric railroads--Testing)

PETROV, S.A.; KILBNIKOV, V.N.

Homograph method of calculating the speed of a mercury rectifier  
type electric locomotive and the phase of the principal harmonic  
of its primary current. Vop.elek.zhel.dor. no.1:169-193 '59.  
(MIRA 12:8)

(Electric locomotives)

PETROV, S.A., kand. tekhn. nauk

~~Simulating instantaneous diagrams for a.c. electric traction~~  
systems used in rectifier electric locomotives. Trudy VSNII  
MPS no.170:63-90 '59. (MIRA 12:7)  
(Electric locomotives)

L 01806-67 EWT(m)/T DJ  
ACC NR: AP6030589 (AN) SOURCE CODE: UR/0413/66/000/016/0073/0073

INVENTOR: Ismailov, R. G. A. O.; Mamedov, M. A. A. O.; Spektor, Sh. Sh.; Seidov, M. M. M. O.; Vartapetov, A. A.; Shchelkonogov, I. A.; Kyazimov, A. A. O.; Aliyev, A. A. G. O.; Tangiyeva, T. A.; Kesel'man, L. G.; Lobanov, V. V.; Chikunov, V. A.; Blidchenko, I. F.; Tarumov, G. A.; Bombandirov, P. P.; Merkur'yev, G. D.; Petrov, S. A.

ORG: none

TITLE: Lubricating oil for bushings. Class 23, No. 184997

SOURCE: Izob reteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 16, 1966, 73

TOPIC TAGS: lubricant, bushing, petroleum

ABSTRACT: An Author Certificate has been issued describing a lubricant for bushings, with a solar fraction and mazut base. To expand the operating temperature range of the oil, a petroleum fraction with a boil-away of 4-5% at 240-320C is added to the lubricant. This fraction is obtained from the petroleum distillate at 300-310C. [Translation] [NT]

SUB CODE: 11/ SUBM DATE: 05Nov64/

Card 1/1

UDC: 629.11.012.26

L 11108-66

(N)

EWT(m)/EWP(e)/EWP(v)/T/EWP(t)/EWP(k)/EWP(z)/EWP(b)/EWA(c)

ID/HM/H

ACC NR: AP6002531

SOURCE CODE: UR/0286/65/000/023/0036/0036

INVENTOR: Petrov, S. A.; Kaufman, M. S.; Kialynk, F. I.; Zhuraviev, V. L.; Krichevskiy, Z. A.; Aldyrev, D. A.; Kazintsev, N. V.; Tkachev, V. N.

27  
B

ORG: none

TITLE: Method of strengthening thin-sheet parts. Class 21, No. 176646. [announced by the All-Union Scientific Research and Design Technological Institute of Coal Machine Building (Vsesoyuznyy nauchno-issledovatel'skiy i proyektno-tekhnologicheskii institut ugol'nogo mashinostroyeniya); Rostov Scientific Research Technological Machine Building Institute (Rostovskiy nauchno-issledovatel'skiy institut tekhnologii mashinostroyeniya)]

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 23, 1965, 36

TOPIC TAGS: thin sheet part, part strengthening, part surfacing, thin sheet surfacing, wear resistant powder

ABSTRACT: This Author Certificate introduces a method of strengthening thin-sheet parts by surfacing with wear-resistant powder deposited with high-frequency current. To maintain a constant gap between the inductor and the surfaced part, ensure a small depth of penetration in the base metal, and to avoid burning through, the inductor is located below the surfaced part.

[ND]

SUB CODE: 11/ SUEM DATE: 24Nov62/ ATD PRESS: 4/76

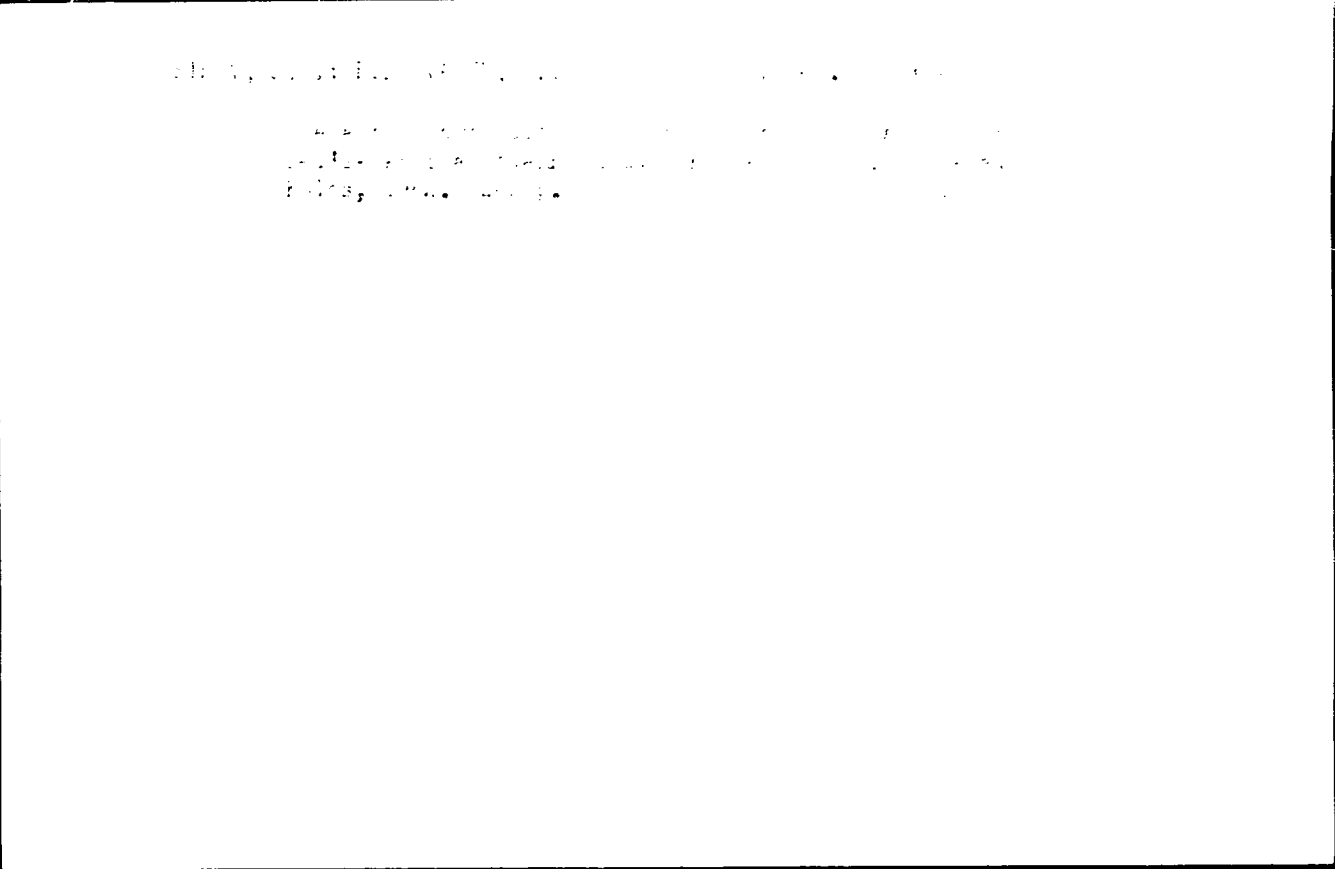
Card 1/1 H(2)

UDC: 621.791.927-415

PETROL, S.A.

Variability of the ... ..  
perception. Int. ... .. (1962)

1. Kazanovsky ... ..  
negative ... ..



PETROV, S.A.; DRIZHERUK, M.Ye.

Dressing of low-grade dolomites. Ogneupory 26 no.11:510-513 '61.  
(MIRA 17:2)

1. Ukrainskiy nauchno-issledovatel'skiy institut ogneuporov.



PETROV, S.A., kand. tekhn. nauk; ZIL'BERSHMIDT, V.G., inzh.

Testing "detonit" explosives in drifting in hard rocks.  
Shakht. stroi. 7 no.8:10-11 Ag '63. (MIRA 16:11)

1. Permskiy politekhnicheskiy institut.

LYKHIN, P.A., kand. tekhn. nauk; PETROV, S.A., kand. tekhn. nauk;  
ZIL'BERSHMIDT, V.G., inzh.

Using detonite in the making of lateral drifts in coal mines.  
Vzryv. delo no.55/12:115-120 '64. (MIRA 17:10)

BLIDCHENKO, I.F., inzh.; PETROV, S.A., inzh.

Efficiency of using various filter materials for the purification  
of diesel lubricants for diesel locomotives. Trudy TSNII MPS  
no.251:50-87 '63. (MIRA 16:6)  
(Filters and filtration) (Diesel locomotives--Lubrication)

BLIDCHENKO, I.F., inzh.; PETROV, S.A., inzh.

Efficiency of using various filter materials for the purification  
of diesel lubricants for diesel locomotives. Trudy TSNII MPS  
no.251:50-87 '63. (MIRA 16:6)  
(Filters and filtration) (Diesel locomotives--Lubrication)

PETROV, S.A.

Pine in the insular forests of northern Kazakhstan. Bot.  
zhur. 46 no.12:1811-1814 D '61. (MIRA 15:1)

1. Kazakhskiy nauchno-issledovatel'skiy institut lesnogo  
khozyaystva, Barmashino, Kokchetavskoy oblasti, Tselinnogo  
kraya.

(Kazakhstan---Pine)

PETROV, S.A.

Sterility of the pyramidal form in the common pine. Bot. zhur.  
46 no.9:1337-1339 5 '61. (MIRA 14:9)

1. Kazakhskiy nauchno-issledovatel'skiy institut lesnogo khozyay-  
stva, g. Shuchinsk, Kokchetavskoy obl.  
(Kokchetav Province--Pine) (Sterility in plants)

PETROV, S.A., kand.tekhn.nauk

Regenerative breaking of rectifier electric locomotives.

Trudy TSNII MPS no.201:123-153 '60.

(MIRA 14:3)

(Electric locomotives--Brakes)

PETROV, S.A.

Glaze in northern Kazakhstan. Priroda 50 no.4:126 Ap '61.  
(MIRA 14:4)

1. Kazakhskiy nauchno-issledovatel'skiy institut lesnogo khozyaystva, Kokchetavskaya oblast'.  
(Kazakhstan--Plants, Effect of ice on)



VADIKOVSKAYA, L.M.; KAUFMAN, I.M.; KONDRATOVA, N.A.; PETROV, S.A.,  
kand.tekhn.nauk, nauchnyy red.; KHOVANSKIY, I.P., tekhn.red.

[Machine-tractor stations constitute a decisive factor in  
collective farm production. Bibliography on the mechanization  
of agriculture as an aid to workers in machine-tractor stations]  
MTS - reshaiushchaia sila kolkhoznogo proizvodstva. Rekomenda-  
tel'nyi ukazatel' literatury po mekhanizatsii sel'skogo kho-  
ziaistva v pomoshch' rabotnikam MTS. Nauchnaia red. S.A.Petrova.  
Moskva, 1954. 80 p. (MIRA 13:4)

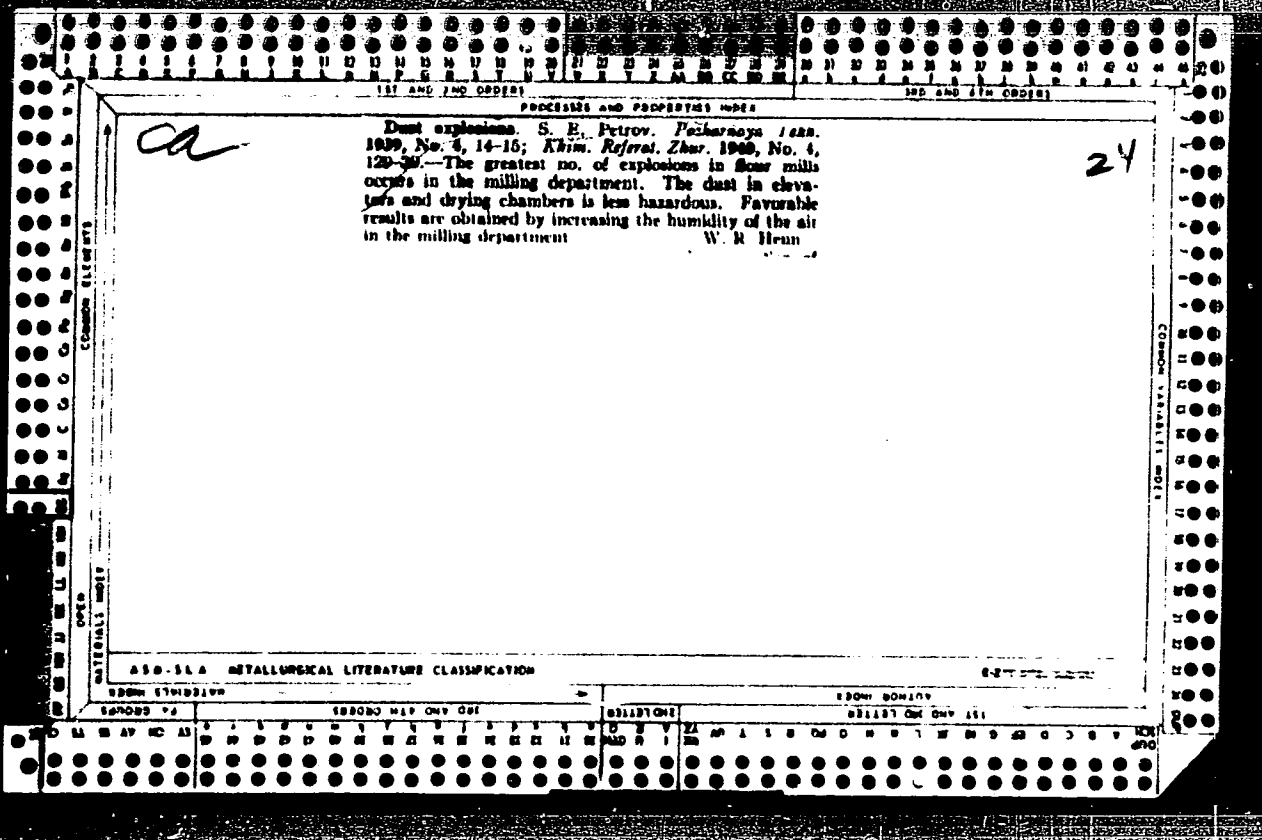
1. Moscow. Publichnaya biblioteka.  
(Bibliography--Machine-tractor stations)

PETROV, Sergey Diomidovich, frezerovshchik.

[For better utilization of milling machines] Za luchshee ispol'zovanie frezernykh stankov. Sverdlovsk, Gos. nauchno-tekhn.izd-vo mashinostroit.lit-ry [Uralo-Sibirskoe otd-nie] 1952. 19 p.

(MLBA 6:8)

(Milling machines)



PETECOV, S. P.

"An Investigation of the Series 1,2-Naphtho-3,4-Furazan." Cand Chem Sci, Moscow  
Order of Lenin Chemicotechnological Institute imeni D. I. Mendeleev, 15 Dec 54.  
(VM, 1 Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher  
Educational Institutions (12)  
SO: Sum. No. 556, 24 Jun 55