

S/114/61/000/001/009/009  
E194/E355

An Investigation of the Temperature Distribution in Gas-turbine  
Blade Root Joints Cooled by Blowing Air Through Ducts  
the bottom of the blade roots.

There are 4 figures and 8 references: 7 Soviet and  
1 non-Soviet.  
Card 6/16

80003

S/143/60/000/05/03/004

24,5200

AUTHOR:

Podsevalov, B.V., Engineer

TITLE:

An Experimental Investigation Into Cooling <sup>1</sup> a Gas Turbine Rotor <sup>13</sup> by <sup>16</sup> Blowing Air Thru the Base Joints of the Rotor Blades <sub>20</sub>

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy, Energetika, 1960, No. 5, pp 118 - 128

TEXT:

The investigations of a direct-flow air cooling system of a gas turbine rotor were carried out on a TsKTI test stand. The static test set-up is shown in Figure 2. It consists of the following basic parts: a model of a turbine rotor section of actual dimensions (i.e. a rectangular box having a side cover to which two rows of experimental blades are fastened); two combustion chambers, one of which served as a forechamber for air preheating; two compressors, (one "OK-500" (OK-500) feeding the air required for combustion, and one "2CG.50" (2SG.50) for the cooling air; measuring instruments (the air flow was measured by diaphragms and "DT-50" (DT-50) differential pressure gages); and auxiliary equipment. Each stage of the rotor model represented a section of a turbine disk having a set of eight "ЭМ 612" (EI612) austenitic steel rotor blades. The profile

Card 1/5

80603

S/143/60/000/05/03/004

An Experimental Investigation Into Cooling a Gas Turbine Rotor by Blowing Air Thru the Base Joints of the Rotor Blades

part of the rotor blades was shortened to maintain sufficiently high combustion product velocities. The base joints of the blades are shown in Figure 3 and the clearances in Table 1. The temperature of the cooling air was varied by an electric heater from 180 to 300°C. The flow of the cooling air thru one joint was varied within the limits of 0.0033\* 0.0204 kg/sec. The gas temperature ranged from 550 to 750°C. In the experimental model, gas and cooling air had the same temperatures as in actual gas turbines, however, their pressure was lower by 3\*3.5 times. The velocity of the cooling air was about 35-37 m/sec, depending upon the clearances in the joints. The temperatures were measured by thermocouples (platinum-plationrhodium and chromel-alumel). The following values were measured: temperature of the cooling air in each cooling chamber; static pressure of the gas and the cooling air in front of the first stage; pressure drops of gas and cooling air at each stage inlet and outlet; pressure drops in three sections between combustion gas and cooling air; and resistances of tensometric pick-ups. Three versions of blade joints were tested, differing only in the slot clearances, which were 0.6, 0.8 and 1 mm. It is mentioned that the Institut teplocnergetiki

Card 2/5

80603

S/143/60/000/05/03/004

An Experimental Investigation Into Cooling a Gas Turbine Rotor by Blowing Air Thru the Base Joints of the Rotor Blades

AN USSR (Institute of Thermal Engineering of the AS UkrSSR) began the experiments with the air cooling method, using assembly clearances of 0.06-0.08 mm which did not exceed 0.6 mm in the area of hollow chamfers. These clearances proved to be inadequate, since they were easily jammed by dirt. On the average, the heat loss factor between the gas and the blades was 700 Cal/m<sup>2</sup>.h.degree at a gas velocity of approximately 150 m/sec at the stage inlet. The experimental data were analyzed according to the theory of analogy. It was found that an air flow of 0.0033 kg/sec did not provide an adequate cooling to permit the use of perlite steel blades under actual conditions. The most effective cooling was achieved under turbulent flow conditions. The effectiveness of the heat exchange in the base joints and the hydraulic resistance of the cooling system depend to a considerable degree on the sealing of the cooling air ducts. Air mixing with the combustion gas, or vice versa, has a very negative influence on the cooling system. The following conclusions are drawn: 1. The investigations revealed the high effectiveness of

Card 3/5

80603

S/143/60/000/05/03/004

An Experimental Investigation Into Cooling a Gas Turbine Rotor by Blowing Air Thru the Base Joints of the Rotor Blades

the air cooling of gas turbine blade joints. 2. Provided the air ducts are sufficiently sealed, the temperatures of the rotor crests may be reduced to 450-470°C at a gas temperatures of 700 - 750°C. The flow of cooling air at an initial temperature of 180 - 300°C will not exceed 1.5-2% of the gas flow. Under the aforementioned conditions, perlitic steels can be used for the manufacture of turbine rotors. The investigated cooling system must be checked, using rotary gas turbine models. 3. The calculations for determining hydraulic resistance and the cooling effectiveness of rotor blade base joints may be performed with known formulas of hydraulics and the theory of heat transfer. 4. Additional investigations of this cooling system, directed at finding more efficient designs of the cooling ducts in the base joints, will provide still lower temperatures of the rotor crests, and will reduce to a minimum the temperature differences between individual crests and along the length of each of them. There are 2 diagrams, 1 set of diagrams, 1 table, 2 sets of diagrams and graphs and 4 Soviet references. ✓

Card 4/5

80603

S/143/60/000/05/03/004

An Experimental Investigation Into Cooling a Gas Turbine Rotor by Blowing Air Thru the Base Joints of the Rotor Blades

ASSOCIATION: Tsentral'nyy nauchno-issledovatel'skiy kotloturbinnyy institut imeni I.I.Polzunova (Central Scientific Research Institute of Boilers and Turbines imeni I.I.Polzunov) X

SUBMITTED: December 14, 1959, by the Nauchno-tehnicheskaya sektsiya turbomashin Uchenogo Soveta (Scientific Engineering Section of Turbines of the Scientific Council)

Card 5/5

84257

S/170/60/003/010/002/023  
B019/B054

26.2141  
26.2124  
AUTHOR:

Podsevalov, B. V.

TITLE:

An Experimental Investigation of the Heat Exchange and of the Hydraulic Resistance in the Blowing of Cooling Air Through the Tail Couplings of Gas Turbine Working Blades

PERIODICAL:

Inzhenerno-fizicheskiy zhurnal, 1960, Vol. 3, No. 10, pp. 11 - 18

TEXT: The author wanted to find the optimum variants of rotor cooling of a gas turbine. For this purpose, he studies the temperature field on the tail couplings of the working blades, taking account of the energy exchange in the cooling channel. At the same time, he studies the possibility of producing a rotor of perlite steel for temperatures of 700-750°C. Fig. 1 shows five variants of cooling channels that were investigated on the test stand shown in Fig. 2. Fig. 3 shows the dependence of the hydraulic drag  $\lambda$  on the Reynolds number for the five variants. As can be seen, the experimental data for the case of a turbulent flow of the cooling air beginning with  $Re = 4.5 \cdot 10^3$  are well described

Card 1/3

PODSEVALOV, N. N.

Aerodinamicheskii raschet samoleta s VISH-avtomatom po metodu indikatornykh skorostei, (Tekhnika vozdushnogo flota, 1940, no. 10/11, p. 22-37, tables, diagrs., bibliography)

Title tr.: The method of indicated air speeds for aerodynamic design of aircraft equipped with automatic propeller pitch control.

TL504.Th 1940

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.



BEL'YAKOV, F.Ye.; BABIN, B.N.; BAL', V.; BOROVKOV, P.N.; VOYEVODIN, I.N.;  
 GUREVICH, G.M.; GORBUNOVA, P.I.; KONNOV, A.S.; KALANTAROVA, M.V.;  
 KASHIRSKIY, A.Ya.; KAZANCHIYEV, Ye.H.; LEKSHUTKIN, A.F.; LETI-  
 CHEVSKIY, M.A.; LOPATIN, S.Z.; MIRSKIY, V.N.; PODSEVALOV, V.H.;  
 SUBBOTINA, V.P.; TANASIYCHUK, N.P.; PEDOTOV, S.D.; FISENEO, K.H.;  
 EL'KIND, I.G.; BOVIN, S.S.; VASIL'YEV, L.T.; DRINKOV, V.D.; DALE-  
 CHIN, N.I.; DADAGOV, I.A.; YERMOSHINA, V.I.; ZHUKOV, I.V.; ZIMIN,  
 D.A.; IVANNIKOV, A.Ya.; KOVALEV, M.K.; LUGAKOVSKIY, N.L.; NALEVSKIY,  
 A.F.; SREZHNIKOV, V.K.; SEMIGLASOV, M.D.; SOKOLOV, A.V.; STEPANOV,  
 V.I.; SAKHARIN, G.S.; SAVENKO, P.A.; SOLODOV, V.P.; UMEROV, Sh.Kh.;  
 CHIKINDAS, G.S.; SHCHERBUKHINA, S.N.; DYNKIN, G.Z.; LYSOV, V.S.;  
 OSHEROVICH, A.N.; ROKITSINSKIY, E.V.; BRASLAVSKIY, M.S.; RUDEIKO,  
 I.A.; ZHUKOBORSKIY, M.S.; ZHDANOV, I.Ye.; SUSLIN, V.A.; BRUS, A.Ye.;  
 VOLYNSKIY, S.A.; KLYUYEV, V.A.; ISTRATOV, A.G.; TIKHOMIROV, I.F.;  
 BUTYRIN, Ya.N.; VOLYNSKIY, S.A.; MINEYEV, M.F.; MAL'TSEV, V.I.;  
 VIDETSKIY, A.F., kand.tekhn.nauk, glavnyy red.; DEMIDOV, A.N., red.;  
 KRAVETS, A.L., red.; KLIMOVA, Z.I., tekhn.red.

[Industrial Astrakhan] Promyshlennaya Astrakhan'. Astrakhan',  
 Izd-vo gazety "Volga," 1959. 318 p. (MIRA 12:11)

1. Astrakhan (Province) Ekonomicheskiy administrativnyy rayon.  
 (Astrakhan Province--Economic conditions)

PODSEVALOV, V. N.

29108-Kinetika Sushki Ryby, Ryb. Khoz-vo, 1949, No. 9, S. 37-43

SO: Letopis' Zhurnal'nykh Statey, Vol. 39, Moskva, 1949.

P. D S E V A L O U, U. N.

SOV/142-2-1-20/22.

Vologdin, V.V.

A Conference on Electrical Food Processing Methods (Konferentsiya po elektricheskim metodam obrabotki pishchevyykh produktov)

Periodical: Izvestiya vysshikh uchebnykh zavodov - radiofizika, 1959, Vol 2, No 1, pp 120-121 (USSR)

Abstract: A conference on electrical food processing methods was held in Kiev from 7 to 13 October 1958. The conference was organized by the Kiyevskiy tekhnologicheskii institut pishchevy promyshlennosti USSR (Kiev Institute of Technology of the Food Industry USSR). The conference comprised a wide range of problems and the novelty of the subjects considered. A great interest of workers from scientific institutions and industrial institutes of the USSR. The 150 delegates came from 50 towns of the USSR. The 119 participants were met at a conference from vuzov and scientific research institutes. At the conference, 100 reports were delivered and discussed.

Card 1/5

dealing with problems of applying electrostatic fields to direct current, low frequency current, high frequency current, infrared and ultraviolet radiation, X-ray and gamma radiation for processing food products. Also statements were made concerning the application of ultrasound oscillations in the food industry. Considerable attention was devoted to the application of TVCh (tok vysokoy chastoty - high frequency current) for technological purposes, particularly for processing of conductive materials in an electric field. More than 2000 statements and reports were delivered on local problems. For example: "The properties of some Food Products in High Frequency Field" by S.M. Andreyev, V.M. Kudin, A.Y. Natuhai (Moscow); "Active Losses in Food Products" by L.G. Pavlov (Kiev); "The Electrical Properties of Milk" by Yu.E. Kanyavskiy (Leningrad); "A Continuous Automatic High Frequency Sterilizer for the Sterilization of Fruit Conserves on a Conveyor" by M.B. Chernyavskiy (Moscow); "Defrosting of Spiced Sprats by High Frequency Currents" by V.N. Podsevalov (Atirskaya); "The High Frequency Soiling of Sprats" by G.I. Boykov (Kiev); "The Technology of Processing of Sprats" by V.N. Podsevalov (Moscow); "The Peculiarities of Processing of Sprats by High Frequency Currents" by I. K. Kuznetsov (Moscow). At the conference, the following reports were heard with great interest and were discussed in detail: "The Application of Infrared Heating for Drying of Confectionery Products" by M.B. Belozatovskiy (RIGA); "The Technological Principles of the Hot Electrical and Vacuum Process" by A.I. and I.I. Kabanovskiy (Kiev); "A Method of Soaking Technology and the Process of Grad Light and Soaking Liquid" by V.N. Podsevalov (Moscow); "The VNIKOP Experimental Equipment for Ionization Processing of Food Products" by D. Chernyavskiy (Moscow); and "An Investigation of the Possible Application of Radioactive Radiation for Preserving the Albuminous Residue of Integumentary Whale Fat" by S.I. Tarbin (Leningrad).

Card 2/5

ASSOCIATION: Leningradskiy elektrotekhnicheskii institut imeni V.I. Ul'yanova (Leningrad) (Leningrad Institute of Electrical Engineering imeni V.I. Ul'yanov (Leningrad))

Card 3/5

Submitted: November 3, 1958  
Card 5/5

BABCHENKO, N.N.; SAMOYLENKO, E.I.; VERKHOTUROVA, F.I.; AFANAS'YEVA, L.I.;  
NADEZHDINSKAYA, N.G.; PODSEVALOV, V.N., kand. tekhn. nauk;  
PASHCHINSKAYA, G., red. izd-va; YEFIMENKO, A., tekhn. red.

[Technological instructions on the production of canned fish by  
the enterprises of the Kaliningrad Economic Council]Sbornik tekhnologicheskikh instruktsii po vyrabotke rybnykh konservov predpriiatiami Kaliningradskogo sovnarkhoza. Kaliningrad, Kaliningradskoe knizhnoe izd-vo, 1962. 239 p. (MIRA 15:12)

1. Kaliningrad. Baltiyskiy nauchno-issledovatel'skiy institut morskogo rybnogo khozyaystva i okeanografii. 2. Baltiyskiy nauchno-issledovatel'skiy institut morskogo rybnogo khozyaystva i okeanografii, ~~Tekhnologicheskaya~~ laboratoriya, Kaliningrad (for Babchenko, Samoylenko, Verkhoturova, Podsevalov).  
(Canning and preserving) (Kaliningrad Province--Fish, Canned)

PODSEVALOV, V.N.

Method for fast determination of fat in the meat of herring on scout-  
ing ships. Trudy BaltNIRO no.7:195-196 '61. (MIRA 15:2)  
(Fat) (Fishery products--Analysis)

PODSEVALOV, V.N., kandidat tekhnicheskikh nauk; MOROZOVA, I.I., redaktor;  
VODZINSKIY, V.V., tekhnicheskiiy redaktor

[Smoking of fish] Kopchenie ryby. Moskva, Pishchepromizdat, 1952.  
98 p. (MIRA 10:1)  
(Fish, Smoked)

PODSEVALOVA

L.A.

Effect of autoclaving temperature and subsequent drying on the chemical composition of fish. L. A. Podsevalova, *Sbornik Trudov Astrakhan. Tekhnol. Inst. Rybnol Prom. i Khim.* 1953, No. 2, 80-98; *Referat. Zhur., Khim.* 1955, No. 4926.—In the prepn. of fish meal during autoclaving there is a decrease in the moisture content of fish, a decrease in the total N content, and a degradation of proteinaceous substances accompanied by a hydrolytic splitting and partial formation of peptones, amino acids, and nitrogenous bases. To prevent deep-seated changes in proteinaceous substances autoclaving should be carried out at temps. not above 117°.

M. Hosen

Handwritten mark

L.

PODSEVALOVA L.A.

Nitrogen content of paste-yielding substances in perch upon autoclaving and subsequent drying. L. A. Podsevalova. *Sbornik Trudov Astrakhan. Tekhnol. Inst. Rybnoi Prom. i Khim.* 1953, No. 2, 97-105; *Referat. Zhur., Khim.* 1955, No. 4925.—The variations in the quantity of total and protein N in aq. exts. from cooked and dried fish depend on the autoclaving temp. and are connected to the changes in the quantity of N from paste giving substances which pass into these fractions. M. Hosh

Shuman 1



PODSEY, L. K., VINOGRADOVA, V. D., SARAËVA, S. M. MANDRIK, E. V. and SHITIKOV, K. V.

"Resistance of the organism and some peculiarities of the metastatic period."

report submitted for the European Conference on Tumor Biology (ETCC),  
Warsaw, Poland  
22-27 May 1961





PODShCHEKOLDIN, I., dotsent; GOL'DENBERG, Yu.; TIKHONOV, A.

Training specialists. Avt.transp. 41 no.10:43-46 0 '63.  
(MIRA 16:10)

1. Prorektor Khar'kovskogo avtomobil'no-dorozhnogo instituta (for  
Podshchekoldin). 2. Direktor Kustanayskogo uchebnogo kombinata  
(for Tikhonov).

DYUMIN, I., kand.tekhn.nauk; PODSHEKOLDIN, M., kand.tekhn.nauk

Surface quality of repaired articles. Avt.transp. 42 no. 4:30-32  
Ap '64. (MIRA 17:5)

ISAYEV, V., inzh.; PODSHCHEKOLDIN, M., kand.tekhn.nauk

Characteristics of the overhaul of motorbuses. Avt.transp. 41  
no.11:34-37 N '63. (MIRA 16:12)

BARUTKIN, I.; ISAYEV, V.; PODSCHEKOLDIN, M.

Checking oil dirtiness during the running-in of engines on  
stands. Avt.transp. 41 no.2:27-28 F '63. (MIRA 16:2)

1. Khar'kovskiy avtomobil'no-dorozhnyy institut.  
(Motor vehicles—Engines)

BRAIL'CHUK, P.; DYUMIN, I.; PODSHCHEKOLDIN, M.; ISAYEV, V.

Improving technological processes in repairing the ZIL engines.  
Avt. transp. 37 no.2:26-29 F '59. (MIRA 13:1)  
(Motortruck--Engines--Maintenance and repair)



E. 24496-66- EWT(m)/EWA(d)/EWP(j)/T/EWP(t) IJP(c) JD/DJ/GS/DM  
ACC NR: AT6008943 SOURCE CODE: UR/0000/65/000/000/0042/0048

AUTHORS: Karayev, G.; Podshchekoldin, M.I.  
ORG: none

53  
51  
B+1

TITLE: Investigation of the wear resistance of polyamide coatings in reversed friction couples

SOURCE: Moscow, Institut mashinovedeniya, Plastmassy v podshipnikakh skol'zheniya; issledovaniya, opyt primeneniya (Plastics in friction bearings; research and experiment in application). Moscow, Izd-vo Nauka, 1965 42-48

TOPIC TAGS: polyamide, antifriction material, babbit metal, caprone, bronze, friction couple, protective coating

ABSTRACT: The antifriction properties (coefficient of friction, surface temperature, and wear) of polyamide-steel friction couples (polyamide coated shaft-steel shoe and steel shaft-polyamide shoe) were investigated on the MI-1M friction machine as shown in Fig. 1, with and without boundary lubrication. Twelve-mm and 0.5-mm thick caprone and polyamide P-68 coatings were tested at 17.5 kg/cm<sup>2</sup> and at 0.89 m/sec. Temperature, wear, and friction coefficient curves as a function of time are presented for the lubricated and unlubricated cases, and curves of friction force and wear as a function of load are given. Comparative tests were also performed with caprone coatings having 5% graphite or talcum additives and with babbit (B-83) and bronze (OTSS 6-6-3) to  
Card 1/3

ACC NR. AT6008943

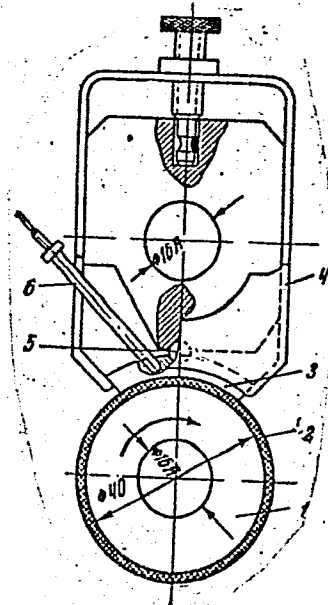


Fig. 1. Experimental apparatus: 1 - roller; 2 - polyamide layer; 3 - insert; 4 - fixture; 5 - ball; 6 - thermocouple.

steel friction couples. A table of the results is presented. It was found that: polyamide coatings can, in some cases, replace bronze and habbit bearings; coating thickness has a significant effect on wear; reversed couple (i.e., coating on shaft)

Card 2/3

I. 24496-66

ACC NR: AT6008943

shows less wear than straight couple; polyamide on steel friction is accompanied by higher temperatures and friction forces than babbit or bronze on steel; lubrication decreases wear, but less effectively than on uncoated metals. Orig. art. has: 1 table and 7 figures.

SUB CODE: 11,20 / SUBM DATE: 31Jul65/ ORIG REF: 002

Card 3/3 *LC*

COUNTRY : USSR  
CATEGORY : Farm animals.  
The honeybee.  
ABS. JOUR. : ZhPrikl., No. 3, 1959, No. 12121  
AUTHOR : Rodshebyarina, G. Ye.  
TEST. :  
TITLE : What is the Gain of Buckwheat Pollination by Bees.  
ORIG. PUB. : Pchelovodstvo, 1958, No. 5, 33-35

ABSTRACT : The crop capacity of buckwheat which was situated at a 3 km distance from the apiary amounted to approximately 6 centners/ha, at the area where there were bees to 8 centners/ha and at the area where there were bees and supplementary fertilization was introduced to about 12 centners/ha.

CARD: 1/1

PODSHEVKIN, Yu.V., dots.

On a generalized Euler's formula for polyhedra. Nauk.zap.Zren.ierzn.  
ped.inst. no.4:143-147 '59. (MIRA 13:9)  
(Polyhedra)

PODSHIBYAKIN, A.K.

Peculiarities of the blocking action of novocaine. Fiziol.zhur.  
[Ukr.] 2 no.5:75-81 S-0 '56. (MLRA 10:1)

1. Institut fiziologii imeni O.O.Bogomol'tsya Akademii nauk URSS  
viddil vishchoi nervovoi diyal'nosti i trofichnikh funktsiy nervovoi  
sistemi.  
(NOVOCAINE)

**PODSHIBYAKIN, A.K.**

Effect of the brain on correlation between active and conjugate  
points of the skin. Zh. vysshei nerv. deiat. 2 no. 2:198-204  
Mar-Apr 1952. (CJML 23:3)

1. Department of Normal Physiology of the Institute of Clinical  
Physiology imeni Academician A. A. Bogomolets.

PODSHIBYAKIN, A.K.

Distribution of electric potentials on the skin of joints. Medych.  
shur. 23 no.2:17-21 '53. (MLRA 8:2)

1. Institut klinichnoi fiziologii im. akad. O.O.Bogomol'tsya  
AN URSS.

(ELECTROPHYSIOLOGY) (SKIN) (JOINTS)



PODSHIBYAKIN, A.K.

~~Condition of active skin areas in cardiac lesions.~~ Medych. zhur.  
23 no.3:23-27 '53. (MLRA 8:2)

1. Institut fiziologii Akademii nauk URSS  
(HEART--DISEASES) (SKIN) (REFLEXES)

PODSEBYAKIN, A.K.

Trophic reflex influences from the active points of the skin on the internal organs as an additional factor in treating pregnancy toxemia. Fiziol.zhur. (Ukr.) 1 no.1:98-103 Ja-F '55. (MLRA 9:9)

1. Institut fiziologii imeni akademika O.O.Bogomol'tsya Akademii nauk URSR, Laboratoriya vishchoi nervovoi diyal'nosti.

(PREGNANCY, COMPLICATIONS OF)

(SKIN) (REFLEXES)

PODSHIBYAKIN, A.K.; VASNETKO, V.M.

Topographic changes in the electric potentials of the skin in some  
mental diseases. Fiziol. zhur. (Ukr.) 1 no.3:16-26 My-Je '55.  
(MLRA 9:9)

1. Institut fiziologii imeni O.O.Bogomol'tsya Akademii nauk URSR,  
Laboratoriya vishchoi nervovoi diyal'nosti i viddil psikhiatrii i  
patologii vishchoi nervovoi diyal'nosti.

(SKIN) (ELECTROPHYSIOLOGY)  
(PSYCHOLOGY, PATHOLOGICAL)

PODSHIBYAKIN, A.K.

Changes in the electric potentials of internal organs and their relation to so-called "active points" of the skin. Fiziol.zhur. 41 no.3:357-362 My-Je '55. (MLRA 8:8)

1. Otdel normal'noy fiziologii Instituta klinicheskoy fiziologii im. A.A. Bogomol'tsa, Kiyev.

(SKIN, physiology,

electrophysiol. active points, relation to electric potentials of internal organs)

PODSHIBYAKIN, A.K. [Podshybiakin, A.K.]

Some data on neural connections of active points of the skin [with  
summary in English]. *Fiziol.shur.[Ukr.]* 4 no.1:69-75 Ja-F '58.  
(MIRA 11:3)

1. Institut fiziologii im. O.O.Bogomol'tsya AN URSS. laboratoriya  
vishchoi nervovoi diyal'nosti i trofichnikh funktsiy nervovoi sistemi  
(SKIN--INNERVATION)

PODSHIBYAKIN, A. K., Doc Med Sci (diss) -- "The significance of active points of the skin for experimental and clinical purposes". Kiev, 1960. 31 pp (Kiev Order of Labor Red Banner Med Inst im Acad A. A. Bogomolets) (KL, No 14, 1960, 136)

L 38269-66 EWI(1)/FCC SCTB DD/SD/GW

ACC NR: AT6022297

SOURCE CODE: UR/0000/66/000/000/0091/0097

AUTHOR: Podshibyakin, A. K.; Smirnov, R. V.; Uzhva, R. G.; Adamenko, N. P.;  
Shakhova, V. I.

ORG: none

TITLE: Time-advanced bioelectric effect of geomagnetic disturbances

SOURCE: Vsesoyuznaya nauchnaya sessiya, posvyashchennaya Dnyu radio. 22d, 1966.  
Sektziya bioniki. Doklady. Moscow, 1966. 91-97 and page 133

TOPIC TAGS: bioelectric phenomenon, geomagnetic disturbance

ABSTRACT: Desultory observations, remarks, and ideas are presented regarding the effects of geomagnetic disturbances on living organisms. Some Soviet and Western published data is briefly reviewed. This information is added: Resuscitation of electrocuted test dogs was far less successful during the periods of magnetic storms than under normal no-magnetic-disturbance conditions. Voluntary appearance of human test subjects for electrostatic measurements (in a Moscow laboratory) was lower during magnetic disturbance periods. The majority of 150 tested persons had a lower electrostatic skin potential during magnetic storms: roughly, 20% of the subjects responded weakly; 60% responded distinctly; and 20% were highly responsive to magnetic disturbances. The above bioelectric phenomena were observed before (one or more days) the actual occurrence of the magnetic disturbance. Two explanations are offered:

Card 1/2

L 38269-66

ACC NR: AT6022297

1) Selective sensitivity of living organisms to small energy influences, and 2)  
Time lag (about 2 days) in the arrival of the solar corpuscular stream behind the solar  
radiation. Orig. art. has: 1 table. [03]

SUB CODE: 06, 08 / SUBM DATE: 08Apr66 / ORIG REF: 010 / OTH REF: 008 / ATD PRESS:

5046

Card 2/2 MLP



PODSHIBYAKIN, Anatoliy Kuz'mich; KUZNETSOVA, A.S., red.

[Trophic functions of the nervous system] O troficheskoi  
funktsii nervnoi sistemy. Kiev, Izd-vo AN USSR, 1964. 61 p.  
(MIRA 17:10)

PODSHIBYAKIN, A.K.

Reaction of the stomach to the stimulation of an active point of the skin in relation to the functional state of the nervous tracts connecting them. Sbor. trud. GMI no.9: 184-191 '62. (MIRA 17:2)

1. Institut fiziologii imeni akademika A.A. Bogomol'tsa AN UkrSSR, Kiyev.

PODSHIBYAKIN, A.K. [Podshybiakin, A.K.]

Electric and temperature reactions of the skin during physiological activity and pathological condition of the kidneys. Fiziol. zhur. [Ukr.] 8 no.2:205-209 Mr-Apr '62. (MIRA 15:5)

1. Laboratory of Higher Nervous Activity and Trophic Functions of the Nervous System of the Bogomoletz Institute of Physiology of the Academy of Sciences of the Ukrainian S.S.R., Kiev.  
(ELECTROPHYSIOLOGY) (KIDNEYS) (SKIN)

PODSHIBYAKIN, A.K.

Modification of electric potential of active points of the skin  
in pathologic ovarian and uterine processes. Vopr.fiziol. no.8:  
128-132 '54. (MIRA 14:1)

1. Institut fiziologii AN USSR.

(SKIN, in various diseases,  
gyn.dis., electric potential of active  
points of skin)

(GYNECOLOGICAL DISEASES, physiology,  
skin electric potential of active points)

PODSHIBYAKIN, A.K.

Scheme of distribution of active points of the skin. *Voopr.*  
fiziol. no.9:127-136 '54. (MIRA 14:1)

1. Institut fiziologii im. A.A. Bogomol'tsa. Akademiya nauk  
USSR.

(SKIN, physiology  
active points, distribution)

PODSHIBYAKIN, A.K. [Podshybiakin, A.K.]

Role of the functional state of the stomach in gastric reflex  
reactions induced by stimulation of the skin. *Fiziol.zhur.*  
[Ukr.] 6 no.2:168-172 Mr-Apr '60. (MIRA 13:7)

1. Institut fiziologii im. A.A. Bogomol'tsa AN USSR, laboratoriya  
vysshey nervnoy deyatel'nosti i nervnoy trofiki,  
(STOMACH) (SKIN--INNERVATION)

ZAKHARVICH, G.P. [Zakharovich, H.P.]; KONDRASHOV, S.I.; PODSHIBYAKIN, A.K.  
[Podshybiakin, A.K.]; VIDRENKO, A.Ye. [Vidrenko, A.IE.]

Changes in the electric potentials of the skin in healthy persons  
and schizophrenia patients at high altitudes. Fiziol.zhur. [Ukr.]  
5 no.6:828-833 N-D '59. (MIRA 13:4)

1. Kiyevskiy meditsinskiy institut imeni akademika A.A. Bogomol'tsa  
i Institut fiziologii im. A.A. Bogomol'tsa Akademii nauk USSR,  
laboratoriya vysshey nervnoy deyatel'nosti.  
(SKIN--INNERVATION) (SCHIZOPHRENIA) (ALTITUDE, INFLUENCE OF)

BLINOV, V.A.; BASOVA, L.V.; ANISHCHUK, Ye.N.; KNYAGININA, I.P.;  
RUMYANTSEVA, L.P.; PODSHIBYAKINA, K.D.

Emulsion method of dyeing wool, rayon and synthetic  
fibers. Tekst.prom. 22 no.10:57-60 0 '62. (MIRA 15:11)

1. Nauchno-issledovatel'skiy institut organicheskikh  
poluproduktov i krasiteley (NIOPIK) (for Blinov, Basova,  
Anishchuk, Knyaginina, Rumyantseva). 2. Nachal'nik  
khimicheskoy laboratorii Kompleksnogo nauchno-issledovatel'skogo  
instituta legkoy promyshlennosti (KNIILP) Latviyskoy SSR  
(for Podshibyakina).

(Dyes and dyeing—Textile fibers)



SHUMKOV, A.I., inzh.; KAZAKOV, L.I., inzh.; PODSHLYAKIN, E.V., inzh.

Modernization of the PSh-5A semiautomatic welder for welding  
in carbon dioxide. Svar. proizvod. no.2:40 P '65.

(MIRA 18:3)



ACC NR: AP5025011

For installations for continuous mixing and foaming of latex mixtures. This device includes an electric drive on the shaft of which is mounted a rotor in the form of disks with concentric circular teeth on both sides which fit into the clearances between the circular teeth mounted on stator disks. To increase the foaming capability and capacity while decreasing the physical size, the rotor and stator consist of many-sectioned dismountable disk packets mounted through rotary seals inside a cylindrical body and tightened by nuts. Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 05Mar64

Card 2/2 (k)

BASOVA, L.V., starshiy nauchnyy sotrudnik; BLINOV, V.A., kand.tekhn.nauk,  
starshiy nauchnyy sotrudnik; SIMANOVSKAYA, Ye.L.; PODSHIBYAKINA, N.D.;  
RUMBA, A.Ya.

Applying the emulsion method for wool dyeing. Tekst.prom. 23 no.11:  
83-84 N 63. (MIRA 17:1)

1. Nauchno-issledovatel'skiy institut organicheskikh poluproduktov i krasiteley (for Basova, Blinov). 2. Rukovoditel' gruppy Informatsionno-tekhnicheskogo byuro Nauchno-issledovatel'skogo instituta organicheskikh poluproduktov i krasiteley (for Simanovskaya). 3. Nachal'nik laboratorii.Latviyskogo kompleksnogo nauchno-issledovatel'skogo instituta legkoy promyshlennosti (for Podshibyakina). 4. Master krasil'nogo tsekh-fabriki "Rigas Tekstils" (for Rumba).

FINOGENOV, V.N.; PODSHIBYAKIN, Yu.V.

Save the time of a designer. Mashinostroitel' no.11:38  
N '62.

(Machinery--Design)

(MIRA 15:12)

FINOGENOV, V.N.; PODSHIBYAKIN, Yu.V.

New method for bending conic parts. Mashinostroitel' no.6:36  
Je '63. (MIRA 16:7)

(Bending machines)

FINOGENOV, V.N.; PODSHIBYAKIN, Yu.V.; SMOL'YANINOV, M.K.

Fluoroplast bushings. Mashinostroitel' no.3:35 Mr '63.

(Fluoroplast)

(MIRA 1624)

PODSHIBYAKINA, K.D.

Para-toluidine method of determining the concentration of surface active agents. Tekst.prom. 21 no.3:63-64 Mr '61. (MIRA 14:3)

1. Nachal'nik khimicheskoy laboratorii proyektno-konstruktorskogo byuro Upravleniya legkoy promyshlennosti sovnarkhoza Latviyskoy SSR.  
(Surface active agents)



ПОДШИПНИК, fmu

Grinding and Polishing

Device for continuous feeding of barrel-shaped rollers in centerless grinding.  
Podshipnik no. 4, 1952.

Monthly List of Russian Accessions, Library of Congress, October 1952. UNCLASSIFIED.

1. PODSHIPNIK, I. B.
2. USSR (600)
4. Drilling and Boring Machinery
7. Device for boring sockets in separators. no. 12: 1952

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

PODSHIPNIK, L. G.

Machine Tools

Practical construction of disconnecting gages. No. 1 1953

9. Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

PODISHIVALENKO, G.

"Working capital of construction contracting organizations"  
R. Belkina. Reviewed by G. Podshivalenko. Fin. SSSR 37 no.5:  
87-89 My '63. (MIRA 16:5)  
(Construction industry--Finance) (Belkina, R.)

PCDSHIVALENKO, G.

Payments in construction. Den. i kred. 21 no.5:33-39 My '63.  
(Construction industry—Finance) (MIRA 16:5)  
(Payment)

PODSHIVALENKO, P.

Construction Industry

Ways of consolidating commercial-basis accounting and financial control in construction.  
Plan, khoz, no. 4, July-Aug. 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1953,<sup>2</sup> Uncl.

PODSHIVALENKO, P.

Construction Industry

Additional reduction in the cost of construction, Sov. fin, 13, No. 3, 1952.

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

PODSHIVALENKO, P.; SHUMOV, N.

Paying by larger categories in the construction industry. Fin.i  
kred. SSSR no.3:35-43 Mr '54. (MLRA 7:4)  
(Construction industry--Finance)



PODSHIVALENKO, P.

Measures for improving financing and the extension of credit for capital construction. Fin. SSSR 16 no.10:18-28 O '55.(MLRA 9:2)

1. Predsedatel' pravleniya Promyshlennogo banka SSSR.  
(Construction industry--Finance)

PODSHIVALENKO, PAVEL DMITRIYEVICH

N/5  
748.101  
.P71

FINANSIROVANIYE STROITEL'STVA (FINANCING CONSTRUCTION) MOSKVA, GOSFINIZ-  
DAT, 1956.

198 P. TABLES.

PODSHIVALENKO, P.

Reorganization of the management of construction and tasks of the  
Industrial Bank. Fin.SSSR 18 no.9:21-32 S '57. (MIRA 10:10)

1. Predsedatel' pravleniya Prombanka SSSR.  
(Construction industry--Finance) (Banks and banking)

PODSHIVALENKO, P.

Ways to make construction cheaper. Fin. SSSR 19 no.5:16-26 My '58.  
(MIRA 11:6)

1. Predsedatel' Pravleniya Prombanka SSSR.  
(Construction industry)

PODSHIVALENKO, P.

Program of great works and tasks of financial control in construction. Fin.SSSR 20 no.3:3-16 Nr '59. (MIRA 12:7)  
(Russia--Economic policy) (Construction industry--Finance)

PODSHIVALENKO, P.D.; BALIKHIN, M.I.; BASHINSKIY, S.V.; IVANOV, N.A.;  
KACHALOV, N.N.; NEMKOV, G.P.; ONUPRIYEV, I.A.; PERESLEGIN, V.I.;  
RUMYANTSEV, A.F.; RUSAKOV, A.N.; SEMENOV, I.Ya.; STOMAKHIN, I.B.;  
FILIPPOV, V.F. Primal uchastiye VINOGRADOV, K.K. PODGORNOVA, V.,  
red.; TROYANOVSKAYA, N., tekhn.red.

[Construction economics; textbook] Ekonomika stroitel'stva; uchebnoe  
posobie. Moskva, Gos.izd-vo polit.lit-ry, 1960. 534 p.

(MIRA 14:1)

1. Kommunisticheskaya partiya Sovetskogo Soyuza. Vysshaya partiy-  
naya shkola. 2. Chlen kollegii Tsentral'nogo statisticheskogo  
upravleniya SSSR (for Vinogradov).

(Construction industry)

PODSHIVALENKO, P.D.; SHER, I.D.; NADEZHINA, A., red.; TELEGINA, T.,  
tekhn.red.

[Financing and issuing credit for capital investments] Finansi-  
rovanie i kreditovanie kapital'nykh vlozhenii. Kollektiv avto-  
rov pod rukovodstvom P.D.Podshivalenko i I.D.Shera. Moskva,  
Gosfinizdat, 1960. 376 p. (MIRA 14:5)  
(Capital investments)

PODSHIVALENKO, P.D.; BALIKHIN, M.I.; BASHINSKIY, S.V. [deceased];  
IVANOV, N.A.; KACHALOV, H.N.; NEMKOV, G.F.; ONUFRIYEV,  
I.A.; PERESLEGIN, V.I.; RUMYANTSEV, A.F.; RUSAKOV, A.N.;  
SEMENOV, I.Ya.; STOMAKHIN, I.B.; FILIPPOV, V.F.;

[Economics of construction; a textbook] Ekonomika stroitel'stva; uchebnik. Moskva, Politizdat, 1964. 542 p.

(MIRA 18:8)

1. Kommunisticheskaya Partiya Sovetskogo Soyuza. Vysshaya partiynaya shkola.



MIKOYAN, A.; IGNATOV, N.; KOROVUSHKIN, A.; GARBUZOV, V.; KABKOV, Ya.;  
KUDRYAVTSEV, A.; BORYCHEV, I.; VOROB'YEV, V.; SVESHNIKOV, M.;  
USHAKOV, V.; MIROSHNICHENKO, B.; ZENCHENKO, H.; BABUSHKIN, V.;  
NIKITKIN, N.; PODSHIVALENKO, P.; ZOTOV, M.; VOSKRESENSKIY, A.;  
KAZANTSEV, A.; KORDYUKOV, A.; NOSKO, P.; PLESHAKOV, S.; VERSOV, A.;  
ROMASHOV, A.

I.N. Kazakov; obituray. Den. i kred. 19 no.3:95 Mr '61.

(Kazakov, Ivan Nikolaevich, 1907-1961) (MIRA 14:3)

PODSHIVALENKO, P.D.; BALIKHIN, M.I.; BASHINSKIY, S.V. [deceased]; IVANOV, N.A.; KACHALOV, N.N.; NEMKOV, G.P.; ONUFRIYEV, I.S.; PERESLEGIN, V.I.; RUMYANTSEV, A.F.; RUSAKOV, A.N.; SEMENOV, I.Ya.; STOMAKHIN, I.B.; FILIPPOV, V.F.; PODGORNOVA, V., red.; TROYANOVSKAYA, N., tekhn. red.

[Economics of construction] Ekonomika stroitel'stva; uchebnik. Moskva, Gospolitizdat, 1962. 542 p. (MIRA 15:11)

1. Kommunisticheskaya partiya Sovetskogo Soyuza. Vysshaya partiynaya shkola.

(Construction industry)

D'YACHENKO, V.P., glav.red.; BACHURIN, A.V., kand. ekon. nauk,  
zam. glav. red.; GERASHCHENKO, V.S., kand. ekon. nauk,  
zam. glav. red.; ALEKSANDROV, A.M., doktor ekon. nauk,  
prof., red.; KISMAN, N.A., red.; LYUBIMOV, N.N., doktor  
ekon. nauk, prof., red.; PERESLEGIN, V.I., doktor ekon.  
nauk, prof., red.; USOSKIN, M.M., doktor ekon. nauk, prof.,  
red.; BREGEL', E.Ya., doktor ekon. nauk, prof., red.;  
PLESHAKOV, S.Ye., red.; BUTAKOV, N.D., kand. ekon. nauk,  
red.; PODSHIVALENKO, P.P., red.; CHIZHOV, K.Ya., kand.  
ekon. nauk, red.; SHERMENEV, M.K., kand. ekon. nauk, red.;  
DARKOV, G.V., red.

[Financial and credit dictionary] Finansovo-kreditnyi slo-  
var'. Chleny glav. red.: A.K. Aleksandrov i dr. Moskva,  
Finansy. Vol.2. M-IA. 1964. 688 p. (MIRA 17:9)

1. Chlen-korrespondent AN SSSR (for D'yachenko).

1. PODSHIVALIN, N.
2. USSR (600)
4. Community and School
7. Closer to the needs of the school, V pom.profaktivu 14 no. 9, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

PODSHIVALIKIN, I., inzh.; ANIKEYEV, N., inzh.

Operation of loaders in the Riga harbor. Mor. lot 22 no.8:13-14  
Ag '62 (MIRA 15:7)

1. Rizhskiy port.

(Riga--Harbor)

(Cargo handling--Equipment and supplies)

PODSHIVALOV, A.A.; RODIONOV, V.I.

Bunker-type installation for loading shavings into a motor  
vehicle. Der. prom. 12 no.8:24-25 Ag '63. (MIRA 16:11)

PODSHIVALOV, A. A., Cand Med Sci -- (diss) "Mechanism of the development of compensatory reactions in acute blood loss. (Experimental research)." Irkutsk, 1960. 19 pp; (Irkutsk State Medical Inst); 250 copies; price not given; (KL, 21-60, 131)

LUGININ, N.G., kand.tekhn.nauk; PODSHIVALOV, A.B., inzh.; POBEDIN, M.V., inzh.

Problems of the organization of locomotive repair in repair plants.  
Trudy TSNII MPS no.288:4-59 '65. (MIRA 18:10)



PODSHIVALOV, Aleksandr Sergeyevich; DZHAVAKHYAN, T.V., inzh.,  
retsensent; MERRIO, Ye.M., inzh., red.

[Maintenance and repair of the SL-2 speedometer; from practices  
of the Pechora North Railroad Depot] Remont skorostemera SL-2; iz  
opyta depo Pechora Severnoi zh.d. Moskva, Transzheldorizgat,  
1962. 45 p. (MIRA 15:10)  
(Speedometers--Maintenance and repair)

PODSHIVALOV, B.A.

The committee is charged with the task of determining the most effective means of increasing the production of steam locomotives and of reducing the cost of their maintenance and repair. It is requested that you submit your proposals for the improvement of the design and construction of steam locomotives.

Podshivalov, B.A.  
Zalit, N.N.

Podshivalov, B.A.  
"Repair of Steam Locomotives"

Podshivalov, B.A.  
Ministry of Railways

PODSHIVALOV, B. D.

Remont parovozov. Izd. 3., perer. i dopoin. Utverzhdeno... v kachestve ucheb. posobiia  
dlia vtuzov zhel -dor. transporta. Moskva, Transzheldorizdat, 1947. 626 f. diagrs.

Locomotive repair.

DLC: TJ675.F63 1947

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress,  
1953.

PODSHIVALOV, Boris Dmitriyevich; KOCHUROV, Pavel Mikhaylovich; PLAVINSKIY, Yuriy Eduardovich; MALOZEMOV, N.A., doktor tekhn. nauk, retsenzent; PARAMONOV, A.A., inzh., retsenzent; PAVLUSHKOV, E.D., inzh., red.; KISELEVA, N.P., inzh., red.; KHITROV, P.A., tekhn. red.

[Production organization in diesel locomotive repair plants] Organizatsiia proizvodstva na teplovozoremontnykh zavodakh. Moskva, Vses. izdatel'sko-poligr.ob"edinenie M-va putei soobshchenia, 1961. 189 p.  
(MIRA 14:12)

(Diesel locomotives--Repairs) (Railroads--Repair shops)

PODISHIVALOV, B. D.

Parovozniki v bor'be za vypolnenie piatiletki v chetyre goda. (Pod obshchei red. B. D. Podshivalova; redaktory: N. I. Akimov, G. S. Sokolov) Moskva, Transzheldorizdat, 1948. 194 p. illus.

Locomotive engineers in their struggle to carry out the Five-Year Plan in four years.

DLC: TJ603.P6

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

PODSHIVALOV, B.D., inzhener.

Specialised forge work in repair plants. Zhel. dor. transp. 38  
no.8:27-31 Ag '56. (MLRA 9:10)

(Railroads--Repair shops)

PODSHIVALOV, B.D., inshener.

On the special founding operations of repair shops. Zhel.dor.  
transp. 37 no.11:15-18 N '55. (MLRA 9:2)  
(Railroads--Repair shops) (Founding)

DIDENKO, V.Ye.; TSAREV, M.N.; DMITRIYEV, M.M.; LEYTES, V.A.; OBUKHOVSKIY, Ya.M.; IVANOV, Ye.B.; CHERTOK, V.T.; URSALENKO, R.N.; KRIGER, I.Ya.; PINCHUK, A.K.; ANTONENKO, H.Z.; SMUL'SON, A.S.; VASIL'CHENKO, S.I.; DRASHKO, A.M.; RAYEVSKIY, B.N.; KUCHIRYAVENKO, D.N.; SAVCHUK, A.I.; ZHURAVLEVA, L.I.; BAUTIN, I.G.; KHRIYENKO, V.Ya.; MOSENKO, N.K.; CHEBONENKO, G.P.; LISSOV, L.K.; MAMONTOV, V.V.; BELUKHA, A.A.; POYDUN, V.F.; VOLODARSKIY, M.B.; KAL'CHENKO, G.D.; LEVCHENKO, V.M.; BASHKIROV, A.A.; VOROB'YEV, M.F.; IL'CHENKO, L.I.; PODSHIVALOV, F.S.; MOGIL'NIY, P.P.; LEVI, A.R.; VASLYAYEV, G.P.; DURNEV, V.V.; OSYPA, S.S.; SAMOFALOV, G.N.; POMIN, A.P.; LESHCHINA, A.I.; FANKEL'BERG, G.Ye.; KHODANKOV, A.T.; MAKARENKO, I.S.; KARPOVA, K.K.; VASILENKO, I.M.; VOLOSHCHUK, A.S.; SHELKOV, A.K.; FILIPPOV, B.S.; TYUTYUNNIKOV, G.N.; DOLINSKIY, M.Yu.; NIKITINA, P.P.; MEDVEDEV, S.M.; TSOGLIN, M.E.; LERNER, R.Z.; BOGACHEV, V.I.

Mihail Iakovlevich Moroz; obituary. Koks i khim.no.3:64 '56.(MLRA 9:8)  
(Moroz, Mikhail Iakovlevich, 1902?-1956)



PODSHIVALOV, I. M.

(Kortikh's landing expedition; the destruction of Wrangel's landing in the Kuban in August, of 1920) Moskva, Gos. izd-vo ot del voen. lit-ry, 1927. 57 p. (Biblioteka komandira.) komandira

PODSHIVALOV, M.; SOLTYS, A., pomoshchnik gidromonitorshchika

Masters in hydraulic mining. Mast. ugl. 8 no.7:7 Ji '59.  
(MIRA 12:10)

1. Nachal'nik uchastka gidroshakhty No.4 tresta Ordzhonikidzeugol'.  
(Donets Basin--Hydraulic mining)

GROMOV, V.P.; VERSHININ, I.I.; PODSHIVALOV, N.A.; NOVAK, V.F.; BAKMOV, M.P.

Rickettsial conjunctivitis of cattle. Veterinar'ia 40 no.2:33-34  
Ag '63. (MIRA 17:15)

1. Sverdlovskiy sel'skokhozyaystvennyy institut.

PODSHIVALOV, R.N.; SUSLOV, N.I.; KOVALENKO, A.V., inzh., red.;  
DUGINA, N.A., tekhn.red.

[Machine parts made of capron] Kapronovye detali mashin.  
Pod red. A.V.Kovalenko. Moskva, Mashgiz, 1961. 39 p.

(Nylon) (Machinery--Construction)

(MIRA 15:2)

PODSHIVALOV, R.N.

BELOV, N.Ya.; ASSONOV, A.D.; CHIZHIK, A.I.; ZAMOTAYEV, S.P.; BUTOMO, D.G.;  
SERGEYEV, L.N.; rukovoditel' issledovatel'skoy gruppy; MASUROVA, A.I.;  
SHUBIN, G.N.; NOVIK, A.A.; PODSHIVALOV, R.N.; ALEKSO, A.I.; KUZ'MINA,  
L.I.; KORF, D.M.; KOZACHENKO, N.S.

Articles and suggestions of supervisors of central industrial  
laboratories. Zav. lab. 25 no.1:5-22 '59. (MIRA 12:1)

1. Nachal'nik TSentral'noy zavodskoy laboratorii Kirovskogo mashinostroitel'nogo zavoda (for Belov).
  2. Glavnyy metallurg Avtozavoda imeni Idkhacheva (for Assonov).
  3. Nachal'nik TSentral'noy zavodskoy laboratorii Leningradskogo metallicheskogo zavoda imeni Stalina (for Chizhik).
  4. Nachal'nik TSentral'noy zavodskoy laboratorii Uralmashzavoda, g. Sverdlovsk (for Zamotayev).
  5. Nachal'nik TSentral'noy laboratorii zavoda "Krasnyy Vyborzhets" (for Butomo).
  6. Laboratoriya zavoda "Krasnyy Vyborzhets" (for Sergeyev).
  7. Nachal'nik khimicheskoy laboratorii metallurgicheskogo zavoda imeni Petrovskogo (for Masurova).
  8. Nachal'nik TSentral'noy laboratorii Verkh-Isetskogo metallurgicheskogo zavoda (for Shubin).
  9. Zamestitel' nachal'nika TSentral'noy zavodskoy laboratorii zavoda imeni Malysheva, g. Khar'kov (for Novik).
  10. Zamestitel' nachal'nika TSentral'noy zavodskoy laboratorii Sverdlovskogo turbomotornogo zavoda (for Podshivalov).
  11. Nachal'nik eksperimental'nogo otdela Spetsial'nogo konstruktorskogo byuro Sverdlovskogo turbomotornogo zavoda (for Alekso).
  12. Nachal'nik TSentral'noy laboratorii Okhtinskogo khimicheskogo kombinata (for Kuz'mina).
  13. Nachal'nik TSentral'noy laboratorii zavoda "Krasnyy khimik" (for Korf).
  14. Nachal'nik TSentral'noy zavodskoy laboratorii Kiyevskogo mashinostroitel'nogo zavoda "Bol'shevik" (for Kozachenko).
- (Chemical engineering laboratories) (Testing laboratories)

SOV/32-25-1-10/51

25(0)  
AUTHORS:

Podshivalov, R. N., Second in Charge of the Central Laboratory of the Sverdlovsk Turboengine Factory, Alekso, A. I., Head of the Experimental Department of the Special Construction Bureau

TITLE:

Articles and Suggestions of the Heads of the Central Works Laboratories in Connection With the Theses Laid Down by Party Member N. S. Khrushchev at the XXI Congress of the CPSU: "Control Figures of the Development of National Economy of the USSR in the Years 1959-1965" (Stat'i i predlozheniya rukovoditeley Tsentral'nykh zavodskikh laboratoriy v svyazi s tezisami doklada tovarishcha N. S. Khrushcheva na XXI s"yezde KPSS "Kontrol'nyye tsifry razvitiya narodnogo khozyaystva SSSR na 1959-1965 gg.")

PERIODICAL:

Zavodskaya Laboratoriya, 1959, Vol 25, Nr 1, pp 17-19 (USSR)

ABSTRACT:

26000 km of gas pipelines are to be built in the course of the seven-year plan. The gas conveyance is to be effected by means of powerful gas turbine or electric blasts. The Ural'skiy turbomotor-niy zavod (Ural Turboengine Factory) has been charged with the building of these gas turbines. The Sverdlovsk Turboengine Works Collective took up the construction of plants of the GT-700-4 type (construction of the Nevskiy zavod imeni Lenina (Neva Works imeni Lenin)) and provides a considerable increase of the steam turbine

Card 1/3

SOV/32-25-1-10/51  
Articles and Suggestions of the Heads of the Central Works Laboratories in Connection With the Theses Laid Down by Party Member N. S. Khrushchev at the XXI Congress of the CPSU "Control Figures of the Development of National Economy of the USSR in the Years 1959-1965"

production. A special construction bureau for gas turbines is planned, by which an improved and more economical gas turbine design - as compared to the GT-700-4 type - is to be worked out from 1959 to 1961. The seven-year plan plans a 6 % increase of the profitableness of gas turbines with respect to fuel consumption, as well as a decrease of the metal consumption of at least 10 % per 1 kilowatt of the capacity. The construction of bimetallic strip (aluminum alloy) Diesel-engine bearings to replace the BS-30 bronze individual casting, offers some advantages and also allows to save on copper and lead. A white heat hardening process for cemented gears of 12KhNZA and 18KhNVA steel makes cleaning and blanching unnecessary and may allow to drop mechanical aftertreatment. The turbine production is connected with selective investigations concerning the heat-resistance properties of the pearlite group for attachment parts, which are subjected to a stress of 580°. Also heat-resistance properties of cast steel YeI572 at a temperature of 550-600° will be investigated.

Card 2/3

SOV/32-25-1-10/51  
Articles and Suggestions of the Heads of the Central Works Laboratories in Connection With the Theses Laid Down by Party Member N. S. Khrushchev at the XXI Congress of the CPSU "Control Figures of the Development of National Economy of the USSR in the Years 1959-1965"

ASSOCIATION: Tsentral'naya zavodskaya laboratoriya Sverdlovskogo turbomotornogo zavoda (Central Laboratory of the Sverdlovsk Turboengine Factory)  
Eksperimental'nyy otdel Spetsial'nogo konstruktorskogo byuro  
(Experimental Department of the Special Design Office)

Card 3/3



PODSHIVALOV, S.Ya., kand.sel'skokhozyaystvennykh nuak, dotsent

Effect of various tree species on soil formation processes in dark  
Chestnut soil regions of the Ukraine. Nauch. trudy UASHN 10:201-207  
'60.

(Ukraine—Soil formation)

(MIRA 14:3)

PODSHIVALOV, V.A.

Engineering laboratory of the signalization and communication  
branch. Avtom. telem. i sviaz' no.9:47-48 S '57. (MIRA 11:4)  
(Railroads--Communication systems)  
(Railroads--Signaling)

PROKOPENKO, S.F.; PODSHIVALOV, V.S.; KUZ'MINA, M.M.

Spraying herbicides by the method of lateral blasting. Zashch.  
rast. ot vred. i bol. 8 no.4:36 Ap '63. (MIRA 16:10)

(Spraying and dusting in agriculture)  
(Weed control)

PROKOPENKO, S.F.; PODSHIVALOV, V.S.

Using blower-type sprayer in weed control in virgin lands.  
Zemledelie 26 no. 4:41-43 Ap '64. (MIRA 17:5)