

SIEMICHA, F., inz. CSc.

Calculation of gas conditions in a shock tube. Strož čas
16 no.1:14-24 '65.

1. Submitted February 18, 1964.

L 45058-65 EWP(m)/EPR/EMA(h)/EMA(c)/EWT(1)/FCS(k)/EMA(d) Pd-1/Pi-4 Wd

ACCESSION NR: AP5013180

CZ/0041/65/005/002/0129/0139

39
38
B

AUTHOR: Slepicka, F. (Slepicka, F.) (Engineer, Candidate of sciences)

TITLE: Shock tubes and their application

SOURCE: Strojnický časopis, no. 2, 1965, 129-139

TOPIC TAGS: shock tube, diaphragm shock tube, thermophysical property, high temperature gas, real gas, boundary layer, shock wave

ABSTRACT: This paper briefly describes the performance of a diaphragm shock tube and indicates its practical significance in aerodynamics and in the investigation of the thermophysical properties of high-temperature gases. The author analyzes the effects of a real gas on the flow in a shock tube: the influence of the change of real-gas properties at high temperatures and the effects due to the boundary layers on the shock tube wall, the evaluation of which is of great importance for correct interpretation of shock tube measurements. For the first foregoing case, the iterative procedure was derived to compute the state of a gas behind the shock wave. Rapid convergence of the iteration enables reliable evaluation of the state of a gas with respect to the real-gas properties. In order to take into consideration the influence of boundary layers, the author presents the theory which makes

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it possible to appreciate the effect of friction and heat conduction on the flow behind the shock wave. The experimental data, given by several authors are in good agreement with this simple theory, even for strong shock waves. Orig. art. has: 6 figures and 22 equations. [11]

ASSOCIATION: Ustav termomechaniky CSAV, Prague (Institute of Thermomechanics, CSAV)

SUBMITTED: 05Oct64

ENCL: 00

SUB CODE: ME, TD

NO REF SOV: 004

OTHER: 024

ATD PRESS: 3255

Card 2/2 7.8

KMONICEK, Vladimir, inz. dr. DrSc.; SLEPICKA, Frantisek, inz. CSc.

Thermophysical properties of gases at high temperatures and
methods of determining them. Stroj cas 16 no.2:119-121 '65.

1. Institute of Thermomechanics of the Czechoslovak Academy of
Sciences, Prague.

L 55184-65 EWT(1)/EWP(m)/EWA(d)/EPR/KCS(k)/EWA(c)/EWA(h) Pd-1/P1-4 WW

ACCESSION NR: AP5007765

Z/0041/65/000/001/0014/0024

AUTHOR: Slepicka, F. (Sleplchka, F.)(Engineer)

TITLE: Calculating the state of gas in a shock tube

SOURCE: Strojnický časopis, no. 1, 1965, 14-24

TOPIC TAGS: gas dynamics, aerodynamics, shock tube, shock wave, gas compression, iteration method, bifurcation

ABSTRACT: When the membrane dividing a shock tube into high and low-pressure chambers bursts, it creates a shock wave traveling at a super-Mach velocity w_1 followed by gas (usually hydrogen or helium), at a velocity u_2 , which is sharply compressed and heated. On striking the end of the tube, the wave is reflected at velocity w_2 under higher compression and temperature. These conditions require very accurate metering for an extremely brief moment of a few microseconds, which may cause chemical reactions, molecular dissociation, even ionization and a shift in molecular weight. Boundary layers along the tube wall may distort the wave face and retard its velocity, particularly in the return wave, by what is called bifurcation. Heat may radiate to the tube wall and influence the temperature curve. The form of membrane burst, any roughness on the tube wall, or the direction and form of the wave face may influence its velocity and require experimental tests to

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evaluate. All these effects depend, however, on a correct analysis of the original state of the gas and the initial shock wave velocity, to which the present study is devoted. The author then presents a series of 41 formulas beginning with

$$e_1 w_1 = e_2 (w_1 - u_2) \text{ and concluding with}$$

$$H_{52}^1 = 1 + \gamma_1 - 1 M_1^2 \frac{(1 - \lambda_2)^2}{H_{21}} \cdot \frac{1 + \frac{u_1}{c_{25}}}{1 - \frac{u_1}{c_{25}}}$$

The symbols employed are not explained, but the expressions depend upon the wave being one-dimensional, viscosity and heat radiation being negligible, and the gas being in chemical and thermodynamic equilibrium. Orig. art. has: 1 figure, 41 formulas, 1 table and a supplement.

ASSOCIATION: None

SUBMITTED: 18Feb64

NO REF SOV: 005

ENCL: 00

OTHER: 008

SUB CODE: ME

Card 2/2

SLPICKA, Frantisek, inz. CSc.

Shock tubes and their application. Stroj cas 16 no.2:129-
139 '65.

1. Institute of Thermomechanics of the Czechoslovak Academy of
Sciences, Prague. Submitted October 5, 1964.

HOSTOMSKA, L.; KEPKOVA, V.; SLEPICKA, J.

Observations in the weekend center for diabetic children in Frantiskovy
Lazne. Pediat. listy 6 no.1:49-51 Jan-Feb 51. (CJML 20:7)

1. Of the Diabetic Department of the Second Children's Clinic of Prof.
J. Brdlik in Prague.

SLEPICKA, J.

"Narrow-Row Sowing, One of the Methods for Higher Yields." p. 330,
(MECHANISACE ZEMEDELSTVI, Vol. 4, No. 17, Sept. 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4
No. 5, May 1955, Uncl.

BUDINOVA-SMELA, J.; FRYNTOVA, A.; SLEPICKA, J.

Roentgen therapy of painful joint syndrome in hemiplegic patients.
Cesk.rentg. 13 no.6:397-399 D '59.

1. Oddeleni pro cevni onemocneni mozku, predn.dr. J. Budinova,
oddeleni centr.rtg. Thomayerovy nemocnice v Krci, predn.dr. F. Bilek.
(HEMIPLEGIA compl.)
(JOINTS dis.)
(RADIOTHERAPY)

BUDINOVA-SMELA, J.; FRYNTOVA, A.; SLEPICKA, J.

Trophic changes in the extremities in hemiplegic patients.
Part I. Changes in the soft tissues of the extremities. Cesk.
neur. 23 no.1/2:43-47 Ja '60.

1. Thomayerova nemocnice v Praze 14-Krci; Oddeleni pro cervni
nemoci mozku (vedouci dr. J. Budinova-Smela) ; Centralni rtg
oddeleni, vedouci dr. F. Bilek.

(HEMIPLEGIA pathol.)

(EXTREMITIES pathol.)

BUDINOVA-SMELA, J.; FRYNTOVA, A.; SLEPICKA, J.

Trophic changes in the extremities of hemiplegics. Cesk.neur. 23
no.3:176-181 Mr '60.

1. Thomayerova nemocnice v Praze 14-Krci, oddeleni pro cervni nemoci
mozku, vedouci dr. J. Budinova-Smela. Centralni rtg.oddeleni, vedouci
dr. F. Bilek..

(HEMIPLEGIA compl.)

(VASCULAR DISEASES, PERIPHERAL etiol.)

BLAHA, V., prom. lekar; CAKRTOVA, E.; SLEPTICKA, J.; ZAPLETALOVA, E.; VOLF, J.

Noise hazards in iron works. Prac. lek. 17 no.3:95-101 Ap'65.

1. Odbor hygieny prace , Krajska hygienicko-epidemiologicka stanice v Ostrave (vedouci V. Blaha, prom. lekar) a Oddeleni chorob z povolani Krajske nemocnice s poliklinikou v Ostrave (vedouci: MUDr. J. Rosmanith).

CZECHOSLOVAKIA

UDC 613.61:612.014.481

SLEPICKA, Jiri; SLIVOVA, Anna; POCHMON, Otakar; ZAPLETALOVA, Ema;
Department of Occupational Diseases (Oddeleni Chorob z Povolani)
Chief (Prednosta) Dr L. EISLER, and Neurological Department (Neu-
rologicke Oddeleni), Chief (Prednosta) Dr V. BARTOUSEK, Krajska
Hospital (Nemocnice) with Polyclinic (s Poliklinikou), Ostrava;
Department of Hygiene of Work Krajska Station of Hygiene and Epid-
emiology of the Northern Moravia Kraj (Odbor Hygieny Prace KHES
Severomoravskeho Kraje) Ostrava, Head (Vedouci) Dr Z. JIRAK

"Effect of Electromagnetic Radiation in the Frequency Range of
Meter Waves on Workers on Short-Wave Transmitters."

Prague, Pracovni Lekarstvi, Vol 19, No 1, Jan 67, pp 5 - 11

Abstract [Authors' English summary modified]: 30 employees work-
ing at short wave, and 19 working at medium wave transmitters were
examined. The short wave transmitters exercise a stronger influence
causing mainly a neurasthenic syndrome; 84% of abnormal findings
were in the evaluation of the EEG. Deviations in the glycemc curve
and an increase in the gamma-globulin content were also found.
Permanent tests of EEG should be introduced for the employees ex-
posed to the wave hazard. 7 Figures, 3 Tables, 10 Western, 2 Czech,
1/1 1 Polish reference. (Ms. rec. 3 Dec 65).

KYTLICOVA-JORDAVA, J., MUDr.; SLEPICKA, L.; FARGASOVA, I., MUDr.

Serologically typical cases of hemolytic disease of newborn with ABO incompatibility. Cesk. pediat. 12 no.7:619-623 5 July 57.

1. Fakultni transfusni stanice v Olomouci, prednosta prim. MUDr
2. Masaska Detska klinika FU v Olomouci, prednosta doc. MUDr A. Mores.
(ERYTHROBLASTOSIS, FETAL, etiol. & pathogen.
 ABO incompatibility, serol. (Cz))
(BLOOD GROUPS
 ABO incompatibility causing fetal erythroblastosis,
 serol. (Cz))

SLEPICKA, L.

Importance of hemolysin tests in prenatal examination. Cesk. pediat.
12 no.7:623-626 5 July 57.

1. Fakultni transfuzni stanice v Olomouci, prednosta prim. MUDr.
Zd. Malaska.

(ERYTHROBLASTOSIS, FETAL, prev. & control
prenatal hemolysin tests (Cz))

SLEPIKHIN, A.; VINOGRADOV, V.

Problems which disturb us. Zhil.-kom. khoz. 13 no.4:20-21
Ap '63. (MIRA 16:5)

1. Nachal'nik dorozhno-ekspluatatsionnogo uchastka No.26 g. Moskvy (for Slepikhin).
2. Nachal'nik dorozhno-ekspluatatsionnogo uchastka No.15 g. Moskvy (for Vinogradov).
(Moscow--Streets--Maintenance and repair)

KURMAYEV, A.; KOTEL'NIKOV, I.; SLEPININ, V.

Work of State Bank enterprises under the new conditions. Den.
i kred. 20 no.6:34-38 Je '62. (MIRA 15:6)

1. Upravlyayushchiy Bashkirskoy respublikanskoy kontoroy Gosudarstvennogo banka (for Kurmayev).
2. Upravlyayushchiy Omskoy oblasti kontroy gosudarstvennogo banka (for Kotel'nikov).
3. Upravlyayushchiy Udmurtskoy respublikanskoy kontoroy gosudarstvennogo banka (for Slepinyin).
(Agriculture--Finance) (Banks and banking)

SLEPININ, Vladimir Aleksandrovich; LEVINSON, Semen Yakovlevich;
SHUR, D.S., redaktor; KUZ'NIN, D.G., tekhnicheskii redaktor

[Collection of problems and exercises in lathe work] Sbornik
zadani i uprazhnenii po tokarnomu delu. Izd. 2-oe, perer. i
dop. Moskva, Vses. uchebno-pedagog. izd-vo Trudrezervizdat,
1956. 280 p. (MLRA 10:4)
(Turning)

BAKHILIN, N. (Moskva); SLEPININ, V.

Instruction in turning. Prof.-tekh.obr. 13 no.2:21-22 F '56.

(MLRA 9:5)

1. Direktor remeslennogo uchilishcha No. 10 (for Bakhilin);
2. Prepodavatel' spetsial'noy tekhnologii tokarnogo dela (for Slepinin).

(Moscow--Turning--Study and teaching)

SOV/27-59-3-19/37

22 (1)

AUTHOR: Slepinin, V., Engineer-Methodologist
TITLE: Checking the Sharpening of Cutting Instrument Angles
(Proverka zatochki uglov rezhushchikh instrumentov)
PERIODICAL: Professional'no-tekhnicheskoye obrazovaniye, 1959, Nr 3,
pp 20 - 21 (USSR)

ABSTRACT: The author emphasizes the importance of a well-sharpened cutting instrument and discusses the problem of checking the sharpening of cutters in training workshops. Practice has proved that it is difficult to check the sharpening of cutter angles with the available control gauges and goniometers. Thus an urgent necessity arose for a small device eliminating such shortcomings and permitting one to measure the angles of sharpening of such instruments as drills, countersinks, chisels, punches, etc. The author was successful in designing such a device, shown in Fig 1. It consists of a basic disk of 75 mm in diameter with a graduated dial from 25 to 140°, having a cutout at an angle of 140°, an incision from the reverse side of the disk for

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Checking the Sharpening of Cutting Instrument Angles

greater convenience, and a millimeter dial of 33 mm length. By means of the dial, the length of the cutting edges of a twist drill is checked on sharpening. The rotating disk, 60 mm in diameter, has a concentric dead recess, a cut with a graduation line and an opening at an angle of 140°. To explain the technique of measuring, Fig 2 shows examples of sharpening on various instruments. The Main Administration of Labor Reserves has arranged that the device be manufactured in a centralized manner.

There are 2 sets of diagrams and 1 Soviet reference.

ASSOCIATION: Tsentral'nyy metodicheskii kabinet Glavnogo upravleniya trudovykh rezervov (Central Methodological Workshop of the Main Administration of Labor Reserves)

Card 2/2

SLEPININ, Vladimir Aleksandrovich; OBSHADKO, Boris Iosifovich; LEVINSON, Semen Yakovlevich [deceased]; PASTUKHOV, V.M., nauchn. red.; GORYUNOVA, L.K., red.; DORODNOVA, L.A., tekhn. red.

[Collection of problems and laboratory exercises for studying machining on lathes] Sbornik zadani i laboratornykh rabot po tokarnomu delu. Izd.3., perer. i dop. Moskva, Vses. uchebno-pedagog. izd-vo Proftekhizdat, 1960. 226 p. (MIRA 14:9)
(Turning—Study and teaching)

SLEPININ, V.

Let's teach progressive methods to students. Prof.-tekh.
obr. .7 no. 12:15-17 D '60. (MIRA 13:12)
(Machine shop practice)

SLEPININ, V. . . metodist

Instructions on the production training of turners. Prof.-tekh.
obr. 22 no.10:32-33 O '65. (MIRA 13:10)

1. Tsentral'nyy uchebno-metodicheskiy kabinet professional'no-
tekhnicheskikh uchilishch.

SLEPKAN', Z.I. (Kiyev)

Quality of trigonometric computations. Mat. v shkole no.3:59-62
My-Je '62. (MIRA 15:7)

(Trigonometry--Study and teaching)

GERSHGORN, M.A.; SVIRIDENKO, F.F.; KAZARNOVSKIY, D.S.; KRAVTSOVA, I.P.;
POPOVA, A.N.; FRADINA, M.G.; Prinimali uchastiye: LUKASHOV, G.G.;
RUDOL'SKIY, N.L.; SLEPKANEV, N.P.; PLISKANOVSKIY, S.T.; GORBANEV,
Ya.S.; BUL'SKIY, M.T. [deceased]; ARKHANGEL'SKIY, Yu.N.; SHAROV,
B.A.; VISTOROVSKIY, N.T.; RAKHANSKIY, B.I.; SAPOZHNIKOV, V.Ye.;
RYABININ, N.G.; KARAKULINA, R.R.; FADEYEVA, A.M.; ZVEREV, D.A.

Improving the production of high-strength rails by alloying
them with granulated ferrochromium in the ladle. Stal' 25
no.5:408-411 My '65. (MIRA 18:6)

1. Ukrainskiy nauchno-issledovatel'skiy institut metallov i zavod
"Azovstal'".

LEPORSKIY, V.V.; OSIPOV, A.I.; BUL'SKIY, M.T.; ALIMOV, A.G.; SVIRIDENKO,
F.F.; SKREBTSOV, A.M.; SLEPKANEV, P.N.

Radioactive tracer study of the refining of phosphorus-containing
pig iron. Stal' 16 no.1:19-22 '56. (MLRA 9:5)

1. Zavod "Azovstal'" i Tsentral'nyy nauchno-issledovatel'skiy
institut chernoy metallurgii.
(Iron--Metallurgy) (Phosphorus--Isotopes)

SHNEYEROV, Ya.A.; OYKS, G.N.; LEPORSKIY, V.V.; SLADKOSHTEYEV, V.G.;
SUKACHEV, A.I.; SLEPKANEV, P.N.

Oxygen blow in the bath during the open-hearth conversion of
phosphorous cast iron. Stal' 16 no.7:587-595 J1 '56. (MLRA 9:9)

1. Ukrainskiy institut metallov, Moskovskiy institut stali i
zavod "Azovstal".
(Cast iron--Metallurgy) (Oxygen--Industrial applications)

SLERPANEV, P.N.

SHMEYEROV, Ya.A.; LEPORSKIY, V.V.; OYKS, G.N.; SLADKOSHTYEYEV, V.T.;
SUKACHEV, A.I.; KAPUSTIN, Ye.A.; BUL'SKIY, M.T.; SLERPANEV, P.N.

Oxygen fed into the fuel spray of large open-hearth furnaces during
conversion of phosphorous cast iron. Stal' 16 no.10:875-882 0 '56.
(MLRA 10:9)

1. Ukrainskiy institut metallov, zavod "Azovstal'" i Moskovskiy
institut stali.

(Open-hearth furnaces) (Oxygen--Industrial applications)

AUTHOR: Leproskiy, V.V., Kapustin, E.A., Glinkov, G.M. and
Slepkanev, P.N. 133-5-6/27

TITLE: On the comparison of tilting and fixed open hearth
furnaces. (O sravnenii kachayushchikhsya i statsionarnykh
martenovskikh pechey.)

PERIODICAL: "Stal'" (Steel), 1957, No. 5, pp. 411-413 (U.S.S.R.)

ABSTRACT: This paper is a comment on the paper by K.G. Trubin, "Stal'", 1956, No.9. The above subject is discussed in the light of the results of operating 250 ton tilting furnaces on the Azovstal' Works. For comparison with fixed furnaces the results obtained on the Zaporozhstal' Works are quoted. After indicating that the bottoms of tilting furnaces require more maintenance the authors compare the productivity of both types of furnaces. The dependence of the output per hour on the bottom surface (Fig. 1) and on furnace capacity (Fig.2) indicates that for furnaces of the same bottom area and the same capacity the productivity of fixed furnaces is better. Thermal efficiency of tilting and fixed furnaces is compared on the basis of heat losses and the extent of preheating of gas and air (Fig. 3). The stability of roof refractories in tilting furnaces is lower than in fixed ones; Azovstal' - 29 kg/ton of steel while on the Makeyevsk Works - 26 kg/ton. It is concluded that technical-economical indices of tilting

Card 1/2

KOROLEV, A.I.; BLINOV, S.T.; IUBENETS, I.A.; KCBURNEYEV, I.M.; TURUBINER, A.L.; VASIL'YEV, S.V.; CHERNENKO, M.A.; BELOV, I.V.; TELESOV, S.A.; MAZOV, V.F.; MEDVEDEV, V.A.; MAL'KOV, V.G.; BUL'SKIY, M.T.; TRUBETSKOV, K.M.; SHNEYEROV, Ya.A.; SLADKOSHTEYEV, V.T.; PALANT, V.I.; KUROCHKIN, B.N.; ZHDANOV, A.M.; BELIKOV, K.N.; SABIYEV, M.P.; GARBUZ, G.A.; PODGORETSKIY, A.A.; ALFEROV, K.S.; NOVOLODSKIY, P.I.; MOROZOV, A.N.; VASIL'YEV, A.N.; MARAKHOVSKIY, I.S.; MALAKH, A.V.; VERKHOVTSYEV, E.V.; AGAPOV, V.F.; VECHER, N.A.; PASTUKHOV, A.I.; BORODULIN, A.I.; VAYNSHTEYN, O.Ya.; ZHIGULIN, V.I.; DIKSHTEYN, Ye.I.; KLIMASENKO, L.S.; KOTIN, A.S.; MOLOTKOV, N.A.; SIVERSKIY, M.V.; ZHIDETSKIY, D.P.; MIKHAYLETS, N.S.; SLEPKANEV, P.N.; ZAVODCHIKOV, N.G.; GUDENCHUK, V.A.; NAZAROV, P.M.; SAVOS'KIN, M.Ye.; NIKOLAYEV, A.S.

Reports (brief annotations). Biml. TSNIICM no.18/19:36-39 '57.

(MIRA 11:4)

1. Magnitogorskiy metallurgicheskiy kombinat (for Korolev, Belikov, Agapov, Dikshteyn). 2. Kuznetskiy metallurgicheskiy kombinat (for Blinov, Vasil'yev, A.N., Borodulin, Klimasenko). 3. Chelyabinskiy metallurgicheskiy zavod (for Iubanets, Vaynshteyn). 4. Zavod im. Dzhherzhinskogo (for Kcburneyev). 5. Zavod "Zaporozhstal'" (for Turubiner, Mazov, Podgoretskiy, Marakhovskiy, Savos'kin). 6. Makeyevskiy metallurgicheskiy zavod (for Vasil'yev, S.V., Mal'kov, Zhidetskiy, Al'ferov). 7. Stal'proyekt (for Chernenko, Zhdanov, Zavodchikov). 8. VNIIT (for Belov). 9. Stalinskiy metallurgicheskiy zavod (for Telesov, Malakh).

(Continued on next card)

KOROLEV, A.I.---(continued) Card 2.

10. Nizhne-Tagil'skiy metallurgicheskiy kombinat (for Medvedev, Novolodskiy, Vecher).
 11. Zavod "Azovstal'" (for Bul'skiy, Slepkanov).
 12. Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii (for Taubetskov).
 13. Ukrainskiy institut metallov (for Sneyerov, Sladkoshteyev, Kotin).
 14. Zavod "Krasnyy Oktyabr'" (for Palant).
 15. Vsesoyuznyy nauchno-issledovatel'skiy institut metallurgicheskoy teplotekhniki (for Kurochkin).
 16. Zavod im. Voroshilova (for Sabiyev).
 17. Chelyabinskiy politekhnicheskiy institut (for Morozov).
 18. Giprostal' (for Garbuz).
 19. Ural'skiy institut chernykh metallov (for Pastukhov).
 20. Zavod im. Petrovskogo (for Zhigulin).
 21. Ministerstvo chernoy metallurgii USSR (for Molotkov, Siverskiy).
 22. Glavspetsstal' Ministerstva chernoy metallurgii SSSR (for Nikolayev).
- (Open-hearth process)

137-58-6-11816

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 6, p 89 (USSR)

AUTHOR: Slepkanov, P.N.

TITLE: Remote Control of Steel-ladle Stoppers (Distantionnoye upravleniye stoporami stalerazhivochnykh kovshey)

PERIODICAL: Tr. Nauchno-tekhn. o-va chernoy metallurgii, 1957, Vol 18, 485-489

ABSTRACT: A description is presented of a design for the hydraulic control of stoppers developed at Azovstal', making it possible to regulate the rate of motion of the rod within the range of 1-10 mm/sec and the pressure within the 5-50 kg/cm² interval. Hydraulic control of the stopper is performed by one man. Tests of this hydraulic equipment on the stand and in the shop yielded favorable results. After some modifications (increase of the stroke of the hydraulic cylinder, enlargement of the range of speeds of the stopper rod to 25 mm/sec, simplification of the adjustment of the hydraulic system, and replacement of spindle oil by a nonflammable liquid), this mechanism may be recommended for installation in open hearths. B.G.

Card 1/1

1. Steel--Production 2. Steel (Liquid)--Handling 3. Dippers--Equipment
4. Remote control systems--Equipment 5. Hydraulic systems--Applications

15 (2)

AUTHORS:

Stepkanov, P. N., Gayenko, V. N.,
Bey, G. N., Komets, I. I.

SOV/131-53-1-2/12

TITLE:

The Use of Dinas-chromite Bricks in the Checkers of a Tilting
Martin Furnace (Primeneniye dinasokhromita v nasadkakh
regeneratorov kachayushcheysya martenovskoy pechi)

PERIODICAL:

Ogneupory, 1959, Nr 5, pp 222-225 (USSR)

ABSTRACT:

These experiments were carried out in the "Azovstal" Works where the Martin furnaces are operated by the scrap-ore process with the use of highly phosphorous cast iron (1.4 - 1.5 % P). The furnaces are heated with a mixture of coke- and blast-furnace gas. According to data given by YuVEChM (Footnote 1), the melting dust from the vertical canals of the Martin furnace has the following chemical composition in % during melting: 1.40 SiO₂, 3.00 Al₂O₃; 78.50 Fe₂O₃, 4.86 CaO; 2.07 MgO; 2.50 MnO. Table 1 compares the operation values of furnaces with different refractory material in the checkers. Table 2 indicates the heating temperatures of the upper row of Dinas-chromite checkers. Figures 1 and 2 show the state of the Dinas-chromite checkers

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The Use of Dinas-chromite Bricks in the Checkers
of a Tilting Martin Furnace

SOV/131-59-5-7/12

of the right-hand air regenerator and of the right-hand gas regenerator after 286 melts. Table 3 indicates the chemical composition of the Dinas-chromite bricks and of the melting layer in per cent after 286 melts. The petrographic investigation was carried out by L. I. Karyakin (Footnote 2).
Conclusions: The Dinas-chromite bricks in the checkers wear out by the deposition of a melting layer on their surface. The positive results obtained with Dinas-chromite bricks in the checkers of the tilting Martin furnace permit the same to be designated as promising refractories, even under conditions of an increased drag of dust at a maximum temperature of 1350°. There are 2 figures, 3 tables, and 1 Soviet references.

ASSOCIATION: Metallurgicheskiy zavod "Azovstal'" ("Azovstal'" Metallurgical Works). Ukrainskiy nauchno-issledovatel'skiy institut ogneporov (Ukrainian Scientific Research Institute of Refractories)

Card 2/2

BOL'SHAKOV, L.A., kand.tekhn.nauk; BUL'SKIY, M.T., inzh.; TURCHENKOVA, Ye.K.,
inzh.; YEGNUS, R.M., inzh.; SVIRIDENKO, F.F., inzh.; TARASOVA, L.P.,
inzh.; SLEPKANEV, P.H., inzh.; GAVRIKOV, V.Z., inzh.

Efficient design of large rail ingot molds. Stal' 20 no.9:793-797
S '60; (MIRA 13:9)

1. Zavod "Azovstal'" i Zhdanovskiy metallurgicheskiy institut.
(Ingot molds)

LEPORSKIY, V.V.; SLEPKANEV, P.N.; ARKHANGEL'SKIY, Yu.N.; PODOL'SKAYA,
G.A.; GLINKOV, G.M.; KAPUSTIN, Ye.A.; KALOSHIN, N.A.; KRIVENKO, P.T.

Operation of large tilting open-hearth furnaces with natural gas.
Stal' 21 no.10:883-889 0 '61. (MIRA 14:10)

1. Zavod "Azovstal'" i Zhdanovskiy metallurgicheskiy institut.
(Open-hearth furnaces)

SLEPKANEV, P.N.; BEY, G.M.; NEMETS, I.I.

Using solid magnesite chromite brick in constructing crowns of tilting open-hearth furnaces. Ogneupory 26 no.1:18-23 '61. (MIA 14:2)

1. Zavod "Azovstal'" (for Slepkanev). 2. Ukrainskiy nauchno-issledovatel'skiy institut ogneuporov (for Bey, Nemets).
(Open-hearth furnaces) (Firebrick)

LEPORSKIY, V.V., inzh.; SLEPKANEV, P.N., inzh.; KATSMAN, Ye.R., inzh.

Operation of industrial equipment for the treatment of cast iron in
ladles. Stal' 23 no.8:715 Ag '63. (MIRA 16:9)

(Cast iron--Metallurgy)

(Open-hearth furnaces--Equipment and supplies)

LEPORSKIY, V.V., inzh.; SLEPKANEV, P.N., inzh.; BUL'SKIY, M.T., inzh.
[deceased]; KRIVENKO, P.T., inzh.; SVIRIDENKO, F.F., inzh.;
PEREKRESTOV, V.I., inzh.

Improving individual elements of high-capacity, tilting open-
hearth furnaces. Stal' 23 no.8:716-717 Ag '63. (MIRA 16:9)

1. Metallurgicheskiy zavod "Azovstal".
(Open-hearth furnaces--Design and construction)

YAKOVLEV, V.A.; VOROB'YEV, L.V.; LEVCHENKO, L.A.; LINDE, V.R.;
SLEPKO, G.I.; SYRISOVA, L.A.

Study of the biological fixation of molecular nitrogen.
Biokhimiia 30 no.6:1167-1178 N-D '65. (MIRA 19:1)

1. Filial Instituta khimicheskoy fiziki AN SSSR, Moskva.
Submitted January 18, 1965.

SLEPKOV, S.A.

Logging the resistivity of hydrogeological wells. Razved. i
okh.nedr 23 no.8:54-57 Ag '57. (MIRA 10:11)

1. "Kuzbassuglegeologiya"
(Water, Underground)

SIEPKOV, S.A.

Some characteristics of the deviation of boreholes in the Leninsk region of the Kuznetsk Basin. Razved. geofiz. no.5:125-129 '65.
(MIRA 18:9)

SLEPKOV, V., inzh.

Construction of the model of a coaxial helicopter. kryl.rod. 12
no.10:29-30 0 '61. (MIRA 15:2)
(Helicopters--Models)

SLEPKOV, V. S.

AID Nr. 989-16 13 June

DETERMINING FORCED VIBRATIONS IN NONLINEAR STABILIZING SYSTEMS
(USSR)

Khovanskiy, Yu. M., P. A. Severov, and V. S. Slepko. Izvestiya vysshikh
uchebnykh zavedeniy. Priborostroyeniye, v. 6, no. 2, 1963, 63-73.
S/146/63/006/002/007/010

An approximate method based on the use of logarithmic frequency characteristics has been used for determining forced vibrations in nonlinear gyro-stabilizing systems. The method, which consists in subdividing the linear part of a system into a number of standard units for which logarithmic frequency characteristics are well known, makes it possible to reduce the volume of computation considerably. The forced vibrations are assumed to occur at the frequency of external excitation. A numerical solution has been obtained for a stabilizing system with a stabilization motor having a limited torque. The results were checked by means of an electronic model and found to be in good qualitative agreement, the numerical difference between the two results not exceeding 1.5 db. The study was conducted at the Leningrad Institute of Aviation Instruments. [AS]

Card 1/1

L 47094-66 EWT(d)/EWT(1)/EWT(π)/EEC(k)-2/ESS-2 JD/BK

ACC NR: AR6018017 SOURCE CODE: UR/0271/66/000/001/A048/A048

AUTHOR: Khovanskiy, Yu. M. ; Severov, L. A. ; Slepkov, V. S.

67B

TITLE: Forced oscillations of a uniaxial system of gyroscopic stabilization with a dead zone

SOURCE: Ref. zh. Avtomat. telemekh. i vychisl. tekhn., Abs. 1A338

REF SOURCE: T.: Leningr. in-t aviats. priborostr., vyp. 44, 1964, 36-42

TOPIC TAGS: oscillation, gyroscope system, gyroscope

ABSTRACT: A specific problem has been analyzed for finding the forced oscillations of a gyroscopic stabilization system with a limited moment of the stabilizer motor in the presence of a dead zone of an angle-data transmitter of precession. [Translation of abstract] [NT]

SUB CODE: 17/

Card 1/1 hs

UDC: 62-5:623.13:621.396.988.6

L 00846-67 EWT(d)/FSS-2/EWT(1)/EEC(k)-2/EWT(m) JD

ACC NR: AR6014105

SOURCE CODE: UR/0272/65/000/011/0199/0199

AUTHORS: Khovanskiy, Yu. M.; Severov, L. A.; Slepkov, V. S.

TITLE: Forced oscillations of a uniaxial system of gyroscopic stabilization with a zone of insensitivity

SOURCE: Ref. zh. Metrologiya i izmeritel'naya tekhnika, Abs. 11.32.1712

REF SOURCE: Tr. Leningr. in-t aviats. priborostr., vyp. 44, 1964, 36-42

TOPIC TAGS: gyroscope system, oscillation, approximate solution, mathematic model

ABSTRACT: The forced oscillations of a uniaxial system of gyroscopic stabilization with a zone of insensitivity of the progression-angle pickup are analyzed by an approximate method based on harmonic linearization. It is shown that nonlinearity of the type in question increases the amplitude of forced oscillations, as compared with the oscillation amplitude in a linear system. In addition, a zone of insensitivity narrows the passband of the closed system. The results of the analytic solution are confirmed by modeling. 5 illustrations. Bibliography of 3 citations. P. Agaletskiy [Translation of abstract]

SUB CODE: 17

Card 1/1 pb

UDC: 389.531.383

SLEPKOV, Yuriy Ivanovich

?Reciptical? (retseptornyy) Apparatus of the Abdominal Aorta Concerning
Hypertonical Diseases

Dissertation for candidate of a Medical Science degree. Chair of Hospital
Therapeutics (head, Prof. L.S. Shvarts) and Laboratory of Morphology Institute
of Physiology "AN" "S.S.S.R." (M.) I.P. Pavlova (head, Prof. N.G. Kolosov)
Defending in Soviet Institute of Physiology (M.) I.P. Pavlova "AN" "S.S.S.R.",
1952

SLEPKOV, Yu.I.

Sensory innervation of the vasa vasorum of the thoracic aorta in man. Doklady Akad nauk SSSR 85 no. 5:1173-1176 11 Aug 1952.

(CLML 23:3)

1. Presented by Academician K. M. Bykov 4 June 1952. 2. Institute of Physiology imeni I. P. Pavlov, Academy of Sciences USSR.

SLEPKOV, Yu. I.

~~XXXXXXXXXXXXXXXXXXXX~~

Sensory innervation of the descending aorta in man. Doklady Akad,
nauk 86 no. 4:841-844 1 Oct 1952. (GIML 23:3)

1. Presented by Academician K. M. Bykov 28 July 1952. 2. Institute
of Physiology imeni I. P. Pavlov, Academy of Sciences USSR.

SLEPKOV, Yu.I.

Sensory terminals of local origin in the inferior mesenteric ganglion of man. Dokl. AN SSSR 94 no.2:349-352 Ja '54.

(MLRA 7:1)

1. Institut fiziologii im. I.P.Pavlova Akademii nauk SSSR.

(Nerves)

SLEPKOV, Yu.I.

Sensory innervation of the intramural ganglia of certain internal organs of man. Dokl. AN SSSR 94 no.3:569-572 Ja '54. (MLRA 7:1)

1. Institut fiziologii im. I.P.Pavlova Akademii nauk SSSR.
Predstavleno akademikom K.M.Bykovym. (Nerves)

ZAYTSEV, Pavel Petrovich; SLEPNER, B.K., inzh., retsenzent;
DUGINA, N.A., tekhn. red.

[Hydraulic duplicating devices of machine tools]Gidro-
koproval'nye ustroistva metallovezhushchikh stankov.
Moskva, Mashgiz, 1962. 135 p. (MIRA 16:3)
(Machine tools)
(Oil--Hydraulic machinery)

SHVARTS BURD, B.I., kandidat tekhnicheskikh nauk; SLEPNER, B.N., inzhener.

Surface finish of hydraulic machinery parts and application of
the All-Union State Standard 2789-45. Trudy VIGM no.13:88-134
'51. (MIRA 10:8)

(Metals--Finishing)

SLEPNEV, A.A.

Efficient planning for a small foundry. Lit.proizv. no.5:13 Ag '54.
(Foundries) (MLRA 7:8)

SLEPNEV, A. A.

The use of aluminum shells for aluminum part casting. Lit. proisv.
no. 8:29-30 Ag'55. (MLRA 8:11)

(Aluminum founding)

SLEPNEV, A.A., inzhener.

Drying the mold in sand casting. Lit.proizv. no.10:30 0 '56.
(Sand, Foundry) (MLRA 9:11)

SLEPNEV, A.N., kapitan meditsinskoy sluzhby

Instruction on sanitation and health education on a ship.
Voen.-med. zhur. no.4:69-70 Ap '61. (MIRA 15:6)
(NAVAL HYGIENE)

SLEPNEV, I.

Some economic and accounting problems in garment workshops.
Sov. torg. no.4:32-34 Ap '57. (MLRA 10:4)
(Clothing industry)

MIKOYAN, A.I.; MARINENKO, A.Ya., inzh.; RAPPOPORT, A.M., inzh.;
SLEPNEV, K.V., inzh.; SYROVOY, P.Ye., inzh.. Primali
uchastiye: BORODIN, D.D., inzh.; ZHARKOV, M.A., inzh.;
SHIPUNOV, B.G., inzh.; KURAKOV, V.Ya., tekhnik. STRAKHOV,
L.G., otv.red.; KOMPANTSEV, N.N., otv.red.; KRASIL'NIKOV,
S.D., red.; ZUDAKIN, I.M., tekhn.red.

[The MIG-17PF and MIG-17F airplanes; instructions for operation
and maintenance] Samolety MiG-17PF i MiG-17F; instruktsiia po
tekhnicheskoi ekspluatatsii i obsluzhivaniu. Moskva, Gos.izd-vo
obor.promyshl., 1957. 143 p. diags.

1. Russia (1923- U.S.S.R.) Ministerstvo oborony.
(Fighter planes) (Jet planes, Military)

8(6)

SOV/112-59-2-2540

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 2, p 37 (USSR)

AUTHOR: Zykov, S. A., Gusakovskiy, K. B., Kraemer, Yu., Slepnev, L. N.,
and Shtregober, V.

TITLE: Some Problems in Designing Super-Power Turbine Units
(Nekotoryye voprosy proyektirovaniya sverkhmoshchnykh turboagregatov)

PERIODICAL: Nauchno-tekhn. inform. byul. Leningr. politekn. in-t, 1957,
Nr 9, pp 38-45

ABSTRACT: As a result of calculations made, recommendations are offered for designing the lower-pressure part of high-power turbines; these recommendations allow for the effect of steam pressure in the condenser and for the effect of the end area of the last stages on economical operation of the turbine. The turbine-unit maximum power vs. the heat-power-cycle parameters is presented. The expediency of using several exhausts, 2-tier blades, and 2-shaft turbine units is considered.

M.A.T.

Card 1/1

ZOTOV, G.I., Cand. Sci. in. nauk; KOSLOV, N.A., veterin. vrach; BAYKOV, M.L., veterin. dokladchik; SLEPNEV, N.K., veterin. vrach; GOLUBITSKAYA, S.B., student; BOBAYEV, V.A., student; SINKEVICH, L.F., student; SHMUREY, L.S., student

Results of testing phenothiazine against warble fly infestation of cattle. Veterinariia 38 no.2:28-32 F '61.

(MIRA 18:1)

1. Moshchiv nauchno-issledovatel'skiy veterinarnyy institut (for Zotov). 2. Mashkiy sel'skokhozyaystvennyy tekhnikum (for Zotov). 3. Tukhovichskiy veterinarnyy uchastok, Kholm'skogo rayona, Novgorodskoy oblasti (for Kozlov, Baykov). 4. Volkovskiy veterinarnyy tekhnikum (for Slepnev, Golubitskaya, Boreychenko, Sinkevich, Shmurey).

SIEMEN, S.K.

Intensifying the process of beet pulp pressing. Trudy MTIPP
no.20:12-14 '63. (MIRA 17:4)

SLEPNEV, Yu. S.

18
 ✓ Minerals of the rinkite group. Yu. S. Slepnev (Inst. Mineral., Geochem., and Crystal Chem. Rare Elements, Acad. Sci. U.S.S.R., Moscow). *Izvest. Akad. Nauk S.S.S.R., Ser. Geol.* 1957, No. 3, 63-76. — A consideration of the problem of the relations among rinkite, Ca-rinkite, johanninite, mosandrite, rinkolite, lovchorrite, and vud'yavrite. On the basis of optical, x-ray structural, x-ray chem., chem., and other methods of investigation, S. refers all these minerals except mosandrite and vud'yavrite to the rinkite group. In S.'s opinion, mosandrite is the initial and vud'yavrite the end product of alteration of minerals of the rinkite group. Data presented for minerals of the rinkite group include: optical and phys. properties, interplanar distances for samples calcined at different temps., chem. analyses of the minerals and their alteration products, relative and abs. amts. of elements of the Ce and Y groups, interplanar distances of vud'yavrite heated to temps. of 500°, 800°, and 900°, and at. ratios in the minerals and their alteration products. Heating curves are given for rinkolite, lovchorrite, and vud'yavrite.

Gladys S. Macy

YSC

RSB
amf

SLEPNEV, Yu.S.

Geochemical features of lovchorrite-rinkolite pegmatites of the Khibiny alkaline massif. Geokhimiia no.5:408-416 ' 57. (MIRA 12:3)

1. Institute of Mineralogy, Geochemistry and Crystallochemistry of Rare Elements, Academy of Sciences, USSR, Moscow.
(Khibiny Mountain region--Pegmatites)
(Lovchorrite) (Rinkolite)

SLEPNEV, Yu.S.

Distribution of lithium and rubidium in some granitoid rocks of Yakutia [with summary in English]. Geokhimiia no.2:115-117 '58.
(MIRA 12:4)

1. Institute of Mineralogy, Geochemistry and Crystallochemistry of Rare Elements, Academy of Sciences, U.S.S.R., Moscow.
(Yakutia--Granite) (Lithium) (Rubidium)

3(8)

AUTHOR:

Slepnev, Yu. S.

SOV/7-59-3-6/13

TITLE:

Peculiarities of the Distribution of Some Rare Elements in Metamorphic Rocks, Granites, and Rare-Metal Pegmatites of the Sayany (Osobennosti rasprostraneniya nekotorykh redkikh elementov v metamorficheskikh porodakh, granitakh i redkometal'nykh pegmatitakh Sayan)

PERIODICAL:

Geokhimiya, 1959, Nr 3, pp 252-258 (USSR)

ABSTRACT:

The lithium-, rubidium-, cesium-, and beryllium contents were investigated. Lithium, beryllium, and cesium were determined flame-photometrically by G. N. Popova, and beryllium was determined by means of spectral analysis by N. N. Rodionova. Table 1 gives the contents of lithium, rubidium, cesium, sodium, potassium, and beryllium. Table 2 shows all the alkali metal contents. Besides, the lithium-, rubidium-, and cesium contents of the various rocks are graphically represented (Fig). The rubidium- and cesium contents are parallel. In pegmatites, as compared with granites, the content of lithium and beryllium is about 100-fold, that of rubidium 4 to 5-fold. In the later stages of pegmatite formation the content of rare alkalis decreases, whereas beryllium remains constant. The rubidium-

Card 1/2

Peculiarities of the Distribution of Some Rare
Elements in Metamorphic Rocks, Granites, and Rare-
Metal Pegmatites of the Sayany

SOV/7-59-3-6/13

and cesium content increases in the following order: slate,
amphibolite, granite, pegmatite. There are 1 figure and 2
tables.

ASSOCIATION: Institut mineralogii, geokhimii i kristalokhimii redkikh
elementov AN SSSR, Moskva (Institute for Mineralogy,
Geochemistry, and Crystal-chemistry of Rare Elements AS USSR
Moscow)

SUBMITTED: November 21, 1958

Card 2/2

SLEPNEV, Yu.S.

Age relations of rocks in the Khibiny alkaline massif. Izv. AN SSSR
Ser. geol. 25 no.4:89-95 Ap '60. (MIRA 13:11)

1. Institut mineralogii, geokhimii i kristalloghimii redkikh elementov
AN SSSR, Moskva.
(Khibiny Mountains--Petrology)

SLEPNEV, Yu.S.; SHAMIN, L.L.

Absolute age of rare-metal pegmatites from the Eastern Sayans.
Geokhimiia no.1:56-59 '61. (MIRA 14:3)

1. Institute of Mineralogy, Geochemistry and Crystal Chemistry of
Rare Elements, Academy of Sciences, U.S.S.R., Moscow.
(Sayan Mountains--Pegmatites)
(Geological time)

S/007/61/000/004/003/004
B107/B207

AUTHOR: Slepnev, Yu. S.

TITLE: The thallium-rubidium and cesium-potassium ratios in metamorphic rocks, granites and rare metal pegmatites of the Sayany mountains

PERIODICAL: Geokhimiya, no. 4, 1961, 359-361

TEXT: In a previous study the author dealt with the behavior of lithium, rubidium, cesium, potassium, sodium, and beryllium in the metamorphites, granites and rare metal pegmatites of the Sayany mountains (Ref. 1: Yu. S. Slepnev. Geokhimiya, no. 3, 1959). The present paper provides data on the thallium contents in samples used for previous studies. The analysts Ye. M. Zakharova, Z. M. Piskova, and A. V. Larionova determined thallium in the chemical laboratory of the IMGRE AN SSSR (Institute of Mineralogy, Geochemistry and Crystallochemistry of Rare Elements of the Academy of Sciences USSR). The accuracy is $\pm 10 - 20\%$. The following rules were observed: The thallium content rises from older rocks - gneisses, paraamphibolites (0.0002 % Tl) - to granites (0.0003 % Tl) and pegmatites

Card 1/3

The thallium-rubidium...

S/007/61/000/004/003/004
B107/B207

(0.0003 - 0.0008 %). The absolute thallium content in microcline and muscovite increases considerably as the pegmatitic process proceeds: Early generation - microcline 0.0005 %, muscovite 0.0004 %, late generation - microcline 0.0017 %, muscovite 0.0018 %. Among pegmatites, the microcline- and quartz muscovite complexes (0.0005 %) contain a higher percentage of thallium. The highest amounts (0.0007 - 0.0008) occur, where microcline and muscovite belong to the late generation. In sodium metasomatism, thallium is not separated in contrast to potassium, rubidium, and cesium; it is distributed over albite (0.003 %) and the microcline and muscovite of the late generation. The Tl/K ratio does not remain constant in the rocks investigated; in metamorphic sediments it is between 1:2500 and 1:8150, in granites 1:11000, in pegmatites from 1:1000 to 1:6500. The Tl/Rb ratio decreases from schists (1:50) over granites (1:83) to pegmatites (1:150) (average). The Tl/Cs ratio does not remain constant in pegmatites: it is between 1:6 and 1:60. The Tl/Rb ratio changes in muscovite from 1:120 (early generation) to 1:1025 (late generation) and in microcline from 1:290 (early generation) to 1:350 (late generation). Accordingly, the Tl/Cs ratio in muscovite

Card 2/3

The thallium-rubidium...

S/007/61/000/004/003/004
B107/B207

changes from 1:40 to 1:55 and in microcline from 1:10 to 1:13. There are 1 table and 2 Soviet-bloc references.

ASSOCIATION: Institut mineralogii, geokhimii i kristalokhimii redkikh elementov AN SSSR, Moskva (Institute of Mineralogy, Geochemistry and Crystallochemistry of Rare Elements of the Academy of Sciences USSR, Moscow)

SUBMITTED: September 16, 1960

Card 3/3

SLEPNEV, Yuriy Sergeevich; GERASIMOVSKIY, V.I., otv.red.; VLASOV,
K.A., glavnyy red.; SHLEPOV, V.K., red.izd-va; RYLINA, Yu.V.,
tekh.red.; SUSHKOVA, L.A., tekh.red.

[Lovchorrite=rinkolite pegmatites] Lovchorrit-rinkolitovye
pegmatity. Moskva, Izd-vo Akad.nauk SSSR, 1962. 149 p.
(Akademia nauk SSSR. Institut mineralogii, geokhimi i
kristalloghimi redkikh elementov. Trudy, no.13).

(MIRA 16:2)

1. Chlen-korrespondent AN SSSR (for Vlasov).
(Lovchorrite) (Rinkolite) (Pegmatites)

SLEPNEV, Yu.S.; MELENT'YEV, G.B.

Distribution of tantalum and niobium in rare earth granite
pegmatites of the Sayan Mountains. *Geokhimiia* no.3:280-284
'62. (MIRA 15:4)

1. Institut mineralogii geokhimii i kristalloghimii redkikh
elementov AN SSSR, Moskva.
(Sayan Mountains--Tantalum) (Sayan Mountains--Niobium)

SLEPNEV, Yu.S.

Gallium content in granite pegmatites of the Sayan Mountains.
Geokhimiia no.7:637-639 '62. (MIRA 15:7)

1. Institut mineralogii, geokhimii i kristalloghimii redkikh
elementov AN SSSR, Moskva.

(Sayan Mountains--Gallium)
(Sayan Mountains--Pegmatites)

SLEPNEV, Yu.S.

Process of replacement in rare-metal granite pegmatites.
Trudy IMGRE no.8:133-146 '62. (MIRA 16:1)
(Pegmatites) (Metals, Rare and minor)

KOGAN, B.I.; KAL'ZHANOVA, Ye.G.; SAL'TINA, L.V.; SOLODOV, N.A.;
DMITRIYEVA, O.P.; Primali uchastiye: UKHANOVA, N.I.;
PERVUKHINA, A.Ye.; KAZANTSEVA, V.G.; ULANOVSKAYA, V.D.;
VLASOV, K.A., glav. red.; LIZUNOV, N.V., otv. red.;
PYATENKO, Yu.A., otv. red.; SALTYKOVA, V.S., otv. red.;
SLEPNEV, Yu.S., otv. red.; FABRIKOVA, Ye.A., otv. red.
PODOSEK, V.A., red. izd-va; GOLUB', S.I., tekhn. red.

[Rare alkali metals (lithium, rubidium, and cesium); a bibliography on their geochemistry, mineralogy, crystal chemistry, geology, the analytic methods of their determination, and their economics] Redkie ~~shchelochnye~~ metally (litii, rubidii i tseziu); bibliografiia po geokhimii, mineralogii, kristalloghimii, geologii, analiticheskim metodam opredeleniia i ekonomike. Sost. B.I.Kogan i dr. Moskva, Izd-vo Akad. nauk SSSR, 1962. 327 p. (MIRA 16:2)

1. Akademiya nauk SSSR. Institut mineralogii, geokhimii i kristalloghimii redkikh elementov. 2. Chlen-korrespondent Akademii nauk SSSR (for Vlasov).

(Bibliography--Alkali metals)

SLEPNEV, Yu.S.

Genesis and classification of lovchorrite-rinkolite pegmatites.
Trudy Min. muz. no.11:114-122 '61. (MIRA 16:7)

(Pegmatites)

SLEPNEV, Yu.S.; MELENT'YEV, G.B.; FILIPPOVA, Yu.I.

Processes of mineral formation in rare-metal granite pegma-
tites in tectonic regions. Trudy IMGRE no.16:76-106 '63.
(MIRA 16:8)

Electrocardiography, 1952, p. 3.

Electrocardiography

Shortened P-Q interval in a child in visceral transposition as revealed by an electrocardiogram. Clin. med. 20 no. 3, 1952.

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

SLEPNEVA, A. S.: Master Tech Sci (diss) -- "Investigation of the effect of hydrothermal treatment of buckwheat on the quality of the groats produced". Moscow, 1958. 14 pp (Min Trade USSR, Moscow Order of Labor Red Banner Inst of National Economy im G. V. Plekhanov), 100 copies (KL, No 5, 1959, 151)

SLEPNEVA, A.S.

The effect of steam on the phytin phosphorus content of buckwheat
[with summary in English]. Vop.pit. 17 no.2:73-77 Mr-Ap '58.
(MIRA 11:4)

1. Iz kafedry tovarovedeniya pishchevykh produktov (zav. - prof.
V.S.Smirnov) Instituta narodnogo khozyaystva imeni G.V.Plekhanova,
Moskva.

(FLOUR,
buckwheat, phytin phosphate content, eff. of steam
(Rus))

(INOSITOL, related compounds
phytin phosphate content of buckwheat, eff. of steam
(Rus))

(STEAM, effects.
on phytin phosphate content of buckwheat (Rus))

SLEPNEVA, A.T.

PROSKURNIN, M.A.; KHMEL'NITSKIY, Yu.L.; BARELKO, Ye.V.; SLEPNEVA, A.T.
MELEKHONOVA, I.I.

Influence of gamma-rays on the oxidation of cetane. Dokl. AN SSSR
112 no.5:886-889 F '57. (MLRA 10:4)

1. Nauchno-issledovatel'skiy fiziko-khimicheskiy institut im. L.Ya.
Karpova. Predstavleno akademikom A.N. Frankinym.
(Gamma rays) (Hexadecane)

KHMEL'NITSKIY, Yu.L.; SLEPNEVA, A.T.; MELEKHONOVA, I.I.

Oxidation of industrial paraffin under gamma radiation. Khim.
i tekhn. topl. i masel 4 no.1:25-27 Ja '59. (MIRA 12:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut neftyanoy
promyshlennosti. (Paraffins) (Gamma rays)

S. K. P. H. O. H. N. I.

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PHASE I BOOK EXPLOITATION

SOV/6246

Soveshchaniye po tseolitam. 1st, Leningrad, 1961.

Sinteticheskiye tseolity; polucheniye, issledovaniye i primeneniye
(Synthetic Zeolites: Production, Investigation, and Use). Mos-
cow, Izd-vo AN SSSR, 1962. 286 p. (Series: Its: Doklady)
Errata slip inserted. 2500 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Otdeleniye khimicheskikh
nauk. Komisiya po tseolitam.

Resp. Eds.: M. M. Dubinin, Academician and V. V. Serpinskiy, Doctor
of Chemical Sciences; Ed.: Ye. G. Zhukovskaya; Tech. Ed.: S. P.
Golub'.

PURPOSE: This book is intended for scientists and engineers engaged
in the production of synthetic zeolites (molecular sieves), and
for chemists in general.

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1-8

Synthetic Zeolites: (Cont.)

SOV/6246

COVERAGE: The book is a collection of reports presented at the First Conference on Zeolites, held in Leningrad 16 through 19 March 1961 at the Leningrad Technological Institute imeni Lensovet, and is purportedly the first monograph on this subject. The reports are grouped into 3 subject areas: 1) theoretical problems of adsorption on various types of zeolites and methods for their investigation, 2) the production of zeolites, and 3) application of zeolites. No personalities are mentioned. References follow individual articles.

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80V/6246

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Production of Granular Synthetic Zeolites and Study
of Their Porous Structure

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Lipkind, B. A., V. A. Burylov, S. V. Kapatsinskiy, and
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Khandros. Production of Strong Spherical Granules of
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Synthetic Zeolites: (Cont.)

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Kel'tsev, N. V., I. P. Ogloblina, and N. S. Torocheshnikov.
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Lulova, and A. T. Slepneva, Methods of Plant and Quality
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APPLICATION OF ZEOLITES

Kiselev, A. V., Yu. A. El'tekov, and V. N. Semenova. Ad-
sorption of a Mixture of Thiophene and Heptane on
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Pavlova, L. F. Adsorption From n-Hexane-Benzene Solutions
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SLEPNEVA, N. N.

USSR/Medicine - Tularemia

Jun 53

"Periods of Reinoculation of Subjects Inoculated Against Tularemia and Persistence of the Reaction to Tuberculin in Those Who Have Been Inoculated," M. V. Vasil'yeva, G. E. Afremova, V. A. Strigin, N. N. Slepneva, G. A. Dashkina, Ufa Inst of Epid and Microbiol im I. I. Mechnikov; Republic [Bashkir ASSR?] San-Epidemiol Sta

Zhur Mikro, Epid, i Immun, No 6, pp 50-51

After inoculation, 90.4% of subjects in areas exposed to tularemia gave a positive reaction to tularin within 2 mos, 81.3% within 6 mos, 79.6% within 1 yr, and 74% within 2 yrs. After reinoculation, the figures were 91.8% in 2 mos, and 91.3% in 1 yr. Reinoculation was carried out 1 yr after original inoculation.

267T21

SLEPNEVA N. N.

USSR/Diseases of Farm Animals. Diseases Caused by Bacteria and Fungi. R-2

Abs Jour: Ref Zhur - Biol., No 1, 1959, 2834

Author : Vasil'yeva, M. V., Slepneva, N. N.,
Tazetdinova, S. Z., Kyrchikov, B. A.

Inst : Ufa Scientific Research Institute of
Vaccines and Sera

Title : The Significance of Serological Examina-
tions of Farm Animals for Controlling
Natural Tularemia Foci

Orig Pub: Tr. Ufimsk. n.-i. in-ta vaktsin i syvorotok,
1957, vyp. 4, 35-43

Abstract: No abstract

Card 1/1

SUBJECT USSR / PHYSICS CARD 1 / 2 PA - 1256
 A IOR MINAEV, P.F., SLEPOV, A.A.
 TITLE The Influence Exercised by the Local Irradiation of the Nervous System with X-Rays on the Composition of Peripheral Blood.
 PERIODICAL Dokl.Akad.Nauk, 109, fasc.2, 303-304 (1956)
 Publ. 7 / 1956 reviewed 9 / 1956

The cerebral hemispheres and the cerebellum of white Leghorn hens were irradiated by the directed X-rays (total dose 7000-9000 Roentgen) of a tube of 180 kV, 10 millampère with a series-connected filter of 1 mm Al + 0,5 mm Cu. The irradiated parts were at a distance of 20-30 cm from the tube and the dose was 85-114 Roentgen per minute. Both on the occasion of the irradiation of the cerebral hemispheres and also of the cerebellum all phases of cariokinesis of the limbo blasts are noticeably in the peripheric blood, viz.: a distinct condensation of dependent reflectory activity, the fact that the clinical degenerations of nervous activity are strongest after 3-5 days, and considerable modification of the metabolism of the nerve tissue itself. At the same time, the oxidation mechanism of the glycolysis is interrupted. On the occasion of the irradiation of the cerebellum the composition of red blood changes, nucleus partitions become noticeable in the mother cells, and even binuclear erythrocyts occur. On the occasion of the irradiation of the cerebrum such changes have as yet not been noticed.

The changes in peripheral blood on the occasion of the irradiation of the cerebral hemispheres and of the cerebellum are in a certain degree similar

pathological forms of cells occur on the occasion of the irradiation of all parts of the brain. On the occasion of the irradiation of the cerebral hemispheres leukozytosis, and with irradiation of the cerebellum leukopenia occurs.

Also irradiation of other parts of the body of an animal with the same amount of X-ray changes structural composition, but none of these changes are as strong as after the irradiation of parts of the brain, and they also vanish quickly.

Herefrom as well as from other works it follows that the nervous system plays the most important part in the case of all damage caused by irradiation. Changes in blood have secondary character. Perhaps the main cause of all blood diseases caused by irradiation is to be found less in the blood itself than in the nervous system. Such changes taking place in blood as are described here are most distinctly marked in the case of animals suffering from strong disturbances of the higher nerve functions. Cytological, hematological and histological examinations of the bone marrow and of the blood will contribute towards explaining the mechanism of the changes discussed here.

INSTITUTION: Institute for Biological Physics of the Academy of Science in the USSR.

S/024/62/000/006/016/020

E140/E135

10.1970
AUTHOR: Slepov, A.A. (Kalinin)

TITLE: On the preparedness factor and optimal checking period for standby control systems

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye tekhnicheskikh nauk. Energetika i avtomatika, no.6, 1962, 150-155

TEXT: The system is assumed to consist of series-connected elements, the fault of any one of which faults the system. Individual faults are subject to a Poisson distribution. Marginal checking is carried out periodically according to a fixed programme, until a fault is detected. At this point the check is interrupted, the fault eliminated, and the system is then checked again from the beginning, by the full programme. The conditions for finding the optimal checking period are found in the article. ✓₁₃

SUBMITTED: January 17, 1962

Card 1/1

SIEMOV, A. A., Aspirant

Determining the titers of virus neutralizing antibodies in guinea pigs cured of foot-and-mouth disease. Veterinaria 41 no.2:19-21 F '64. (MIRA 17:12)

1. Vsesoyuznyy institut eksperimental'noy veterinarii.

BELKIN, Vasilii Pavlovich; SLEPOV, B.I., otvetstvennyy redaktor; OSVENSKAYA, A.A., redaktor; KONTOROVICH, A.I., tekhnicheskiiy redaktor

[Behavior of deck plating after buckling] Rabota elementov palubnykh perekrytii posle poteri ustoiichivosti. Leningrad, Gos. soiuзное izd-vo sudostroit. promyshlennosti, 1956. 286 p. (MLRA 10:3)
(Elastic plates and shells) (Ships)

SHIMANSKIY, Yu.A., akademik, red.; SLEPOV, B.I., red.; LOKSHIN, A.Z.,
red.; TAUBIN, G.O., red.; CHUVIKOVSKIY, G.S., red.; CHUVIKOVSKIY,
V.S., red.; LUCHININOV, S.T., otv.red.; OSVENSKAYA, A.A., red.;
KONTOROVICH, A.I., tekhn.red.

[Handbook on structural mechanics of ships] Spravochnik po
stroitel'noi mekhanike korablia. Leningrad, Gos. soiuзное izd-vo
sudostroit. promyshl. Vol.2. 1958. 528 p. (MIRA 12:1)
(Shipbuilding) (Strains and stresses)

Stepov, B. I.

BOROVSKIY, P. V.

PHASE I BOOK EXPLOITATION

SOV/6206 25

Konferentsiya po teorii plastin i obolochek. Kazan', 1960.

Trudy Konferentsii po teorii plastin i obolochek, 24-29 oktyabrya 1960. (Transactions of the Conference on the Theory of Plates and Shells Held in Kazan', 24 to 29 October 1960). Kazan', [Izd-vo Kazanskogo gosudarstvennogo universiteta] 1961. 426 p. 1000 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Kazanskiy filial. Kazanskiy gosudarstvennyy universitet im. V. I. Ul'yanova-Lenina.

Editorial Board: Kh. M. Mushtari, Editor; F. S. Isanbayeva, Secretary; N. A. Alomyae, V. V. Bolotin, A. S. Vol'mir, N. S. Ganiyev, A. L. Gol'denveyzer, N. A. Kil'chevskiy, M. S. Kornishin, A. I. Lur'ye, G. N. Savin, A. V. Sachenkov, I. V. Svirskiy, R. G. Surkin, and A. P. Filippov. Ed.: V. I. Aleksagin; Tech. Ed.: Yu. P. Semenov.

PURPOSE: The collection of articles is intended for scientists and engineers who are interested in the analysis of strength and stability of shells.

Card 1/14

Transactions of the Conference (Cont.)

SOV/6206 ²⁵

COVERAGE: The book is a collection of articles delivered at the Conference on Plates and Shells held in Kazan' from 24 to 29 October 1960. The articles deal with the mathematical theory of plates and shells and its application to the solution, in both linear and nonlinear formulations, of problems of bending, static and dynamic stability, and vibration of regular and sandwich plates and shells of various shapes under various loadings in the elastic and plastic regions. Analysis is made of the behavior of plates and shells in fluids, and the effect of creep of the material is considered. A number of papers discuss problems associated with the development of effective mathematical methods for solving problems in the theory of shells. Some of the reports propose algorithms for the solution of problems with the aid of electronic computers. A total of one hundred reports and notes were presented and discussed during the conference. The reports are arranged alphabetically (Russian) by the author's name.

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| Sochinskiy, S. V., and V. S. Chuvikovskiy. On Nonlinear Dynamic Deformations of Rectangular Plates and Cylindrical Shells | 358 |
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