

SHCHERBAN', A.N., akademik; TSYBUL'NIKOV, A.S., dotsent; RYZHENKO,  
I.A., gorny inzhener

Determining the face length by the gas emission factor.  
Ugol' Ukr. 4 no.5:43-44 My '60. (MIRA 13:8)  
(Mine gases) (Coal mines and mining)



21-58-5-12/28

Determination of the Maximum Air Stream Velocity in Relatively Smooth Mine Workings by the Dust Factor

PRESENTED: By Member of the AS UkrSSR, A.N. Shcherban'

SUBMITTED: September 23, 1957

NOTE: Russian title and Russian names of individuals and institutions appearing in this article have been used in the transliteration.

1. Air--Velocity
2. Particles (Airborne)--Motion

Card 2/2

SOV-21-58-9-9/28

AUTHOR: Ryzhenko, I.A.

TITLE: Field of Velocities in Mine Workings with a Trapezoidal Cross Section (Pole skorostey v gornykh vyrabotkakh trapetsoidal'noy formy secheniya)

PERIODICAL: Dopovidi Akademii nauk Ukrain's'koi RSR, 1958, Nr 9, pp 951 - 954 (USSR)

ABSTRACT: As a rule, the motion of air in mine workings is turbulent and characterized by the values of Reynolds numbers ranging from  $10^4$  to  $5 \cdot 10^6$ . The ratio of the maximum velocity to the average velocity is called the coefficient of the velocities field. The author derives an approximate formula for analytical determination of this coefficient as a function of the aerodynamical coefficient of air resistance in mine workings with a trapezoidal cross-section which looks as follows:

Card 1/2

$$\Pi = 1 + 0.133\sqrt{\alpha}$$



SOV-21-58-9-9/28

Field of Velocities in Mine Workings with a Trapezoidal Cross Section

where  $\alpha$  is given in ten-thousandth fraction. There are:  
1 diagram and 3 Soviet references.

ASSOCIATION: Institut gornogo dela AN UkrSSR (Institute of Mining of the AS UkrSSR)

PRESENTED: By Member of the AS UkrSSR, A.N. Shcherban'

SUBMITTED: March 29, 1958

NOTE: Russian title and Russian names of individuals and institutions appearing in this article have been used in the transliteration

1. Underground structures--Ventilation
2. Air--Motion
3. Mathematics

Card 2/2

RYZHENKO, I.A., inzh.; SKOROBAGAT'KO, A.A., inzh.

Velocity field in rectangular cross-section mines. Izv.vys.  
ucheb.zav.; gor.zhur. no.1:83-87 '60. (MIRA 13:6)

1. Kiyevskiy ordena Lenina politekhnicheskii institut. Rekomendovana  
kafedroy ventilyatsii i tekhniki bezopasnosti.  
(Mine ventilation)

TSYRUL'NIKOV, A.S., dotsent; RYZHENKO, I.A., gornyy inzh.

Effect of the speed of air flow on dust and gas conditions during the  
operation of mining machines. Ugl' Ukr. 4 no.3:24-26 Mr '60.  
(MIRA 13:6)

(Mine ventilation)

(Coal mines and mining--Safety measures)

SHCHERBAN', A.N.; TSYRUL'NIKOV, A.S.; BARATOV, E.I.; RYZHENKO, I.A.;  
APONINA, G., red.; MATUSEVICH, S., tekhn.red.

[Determining the length of stopes in coal mines] Opređenje  
dliny ochistnykh zaboev ugol'nykh shakht. Kiev, Gos.izd-vo  
tekhn.lit-ry USSR, 1959. 125 p. (MIRA 13:3)  
(Mine ventilation) (Stoping (Mining))

RYZHENKO, I.A., inzh.

Air stream parameters characterizing the dust carried out  
of trapezoid mines. Izv.vys.ucheb.zav.; gor.zhur.  
no.7:48-51 '60. (MIRA 13:7)

1. Kiyevskiy politekhnicheskoy institut. Rekomendovana  
kafedroy ventilyatsii i tekhniki bezopasnosti.  
(Mine ventilation)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520008-1  
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520008-1  
KRAVETS, V.I. [Kravets', V.I.]; RYZHENKO, I.A. [Ryzhenko, I.O.]

Determining the maximum ventilation-stream velocity by the dust  
factor in relatively smooth mine workings [with summary in English].  
Dop. AN URSSR no.5:515-518 '58. (MIRA 11:6)

I.Kiivs'kii politekhnichnyi institut. Predstavleno akademikom  
AN USSR A.N. Shcherbanem.  
(Mine ventilation)

RYZHENKO, I.A.

Depth at which winter wheat seeds are sown. Zemledsle 6 no.6:22-25  
Je '58. (MIRA 11:6)

(Wheat)

RYZHENKO, I. A.

Cand Tech Sci - (diss) "Study of parameters of ventilating stream characterizing the outflow of dust from mining operations." Khar'kov, 1961. 15 pp; (Ministry of Higher and Secondary Specialist Education Ukrainian SSR, Khar'kov Mining Inst); 200 copies; price not given; list of author's works on pp 14-15 (11 entries); (KL, 10-61 sup, 218)



RYZHENKOV, I.I.

Studying economic dependence in petroleum production.  
Nauch.-tekhn.sbor.podob.nefti. no. 4:102-105 '61. (MIRA 17:6)

BORISOV, P.A.; RYZHENKOV, I.I.

Determining the economic effectiveness of secondary oil recovery  
methods. Trudy Inst. geol. i razrab. gor. iskop. 2:194-199 '60.  
(MIRA 14:5)

(Secondary recovery of oil)

RYZHENKOV, I.I.

Method of determining the relative efficiency of capital investments in the oil-field industry in various regions. Nauch.-tekh, sbor. po dob. nefti no.13:100-108 '61. (MIRA 16:7)

1. Vsesoyuznyy neftegazovyy nauchno-issledovatel'skiy institut)  
(Oil fields---Production methods)

**BORISOV, Pavel Aref'yevich; RYZHENKOV, Ivan Ivanovich; SIROTINA, Yelena Yakovlevna; TKACHENKO, Oksana Vladimirovna; LATUKHINA, Ye.I., vedushchiy red.; MUKHINA, E.A., tekhn.red.**

[Economic efficiency of increasing the rate of petroleum production] **Ekonomicheskaya effektivnost' intensifikatsii dobychi nefi. Moskva, Gos.nauchno-tekhn.izd-vo nefi. i gorno-toplivnoi lit-ry, 1960. 90 p. (MIRA 14:3)**  
(Oil fields--Production methods)

RYZHENKO, I.M.; TOKAR', N.A.

Something can be learned from this. Avtom. telem. i svyaz' 8  
no. 3:29-30 Mr '64. (MIRA 17:5)

1. Starshiy inzh. sluzhby signalizatsii i svyazi Donetskoy dorogi (for Ryzhenko).
2. Glavnyy inzh. Krasnolimanskoy distantsii signalizatsii i svyazi (for Tokar').

ROZOV, S.V., prof.; RYZHENKO, I.M., kand. tekhn. nauk, retsenzent;  
GUROV, K.A., inzh., retsenzent; VYAZOVOY, M.I., inzh.,  
retsenzent; KOZLOV, A.P., red.-izd-va; GORDEYEVA, L.P.,  
tekhn. red.

[Course in mechanical drawing] Kurs chercheniia. izd.ispr.  
Moskva, Mashgiz, 1963. 319 p. (MIRA 17:1)

RYZHENKO, Ivan Maksimovich, kand. tekhn. nauk, dots.; NEVYAZHSKIY, Ya.I., prof., retsenzent; BRILING, R.S., kand. tekhn. nauk, retsenzent; GULYAYEV, P.V., kand. tekhn. nauk, dots., retsenzent; NIKOLAYEVSKIY, G.K., kand. tekhn. nauk, dots., retsenzent; SHEPEL'SKIY, P.F., dots., otv. red.; LOS', T.A., red.; SMILYANSKAYA, T.M., tekhn. red.

[Orthogonal and axonometric sketching] Ortogonal'noe i aksonometricheskoe eskizirovanie. Khar'kov, Izd-vo Khar'kovskogo univ., 1960. 118 p. (MIRA 15:10)

(Mechanical drawing)

RYZHENKO, I.M.

YANUSHEVSKIY, Sergey Konstantinovich; RYZHENKO, I.M., dotsent, retsenzent;  
LEUTA, V.I., inzhener, redaktor; RUDENSKIY, Ya.V., tekhnicheskii  
redaktor

[Mechanical drawing] Tekhnicheskoe risovanie. Kiev, Gos.nauchno-  
tekhn.izd-vo mashinostroit.lit-ry, 1957. 71 p. (MLRA 10:8)  
(Mechanical drawing)



14 (5)

SOV/21-59-6-13/27

AUTHOR: Ryzhenko, I. O. (Ryzhenko, I.A.)

TITLE: Ventilation Stream Parameters Characterizing the Removal of Dust from Mine Workings of a Square Cross Section

PERIODICAL: Dopovidi Akademii Nauk Ukrain's'koi RSR, 1959, Nr 6, pp 628 - 632 (USSR)

ABSTRACT: This work presents the results of experimental studies in turbulence of air flow in a pipe of square cross section. An analytical expression is presented for an air velocity required to remove the dust from mine workings of square cross sections. Proceeding from the conclusions on this matter set forth in the works by V. N. Voronin [Ref. 1] and by Yu. G. Zakharov and Ye. M. Minskiy [Ref. 2] (and condemning the latter, by the way, as an inadequate study), the author conducted a study of subject matter in a wooden pipe of rectangular cross section (Figure 1) with the use of an electrothermo-anemometer constructed by the VEI imeni Lenin. Examinations of lengthwise pulsating velocities were made at three values of aerodynamic resistance

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SOV/21-59-6-13/27

Ventilation Stream Parameters Characterizing the Removal of Dust from  
Mine Workings of a Square Cross Section

coefficient  $\alpha = 4.2 \cdot 10^{-4} - 8.05 \cdot 10^{-4} - 10.3 \cdot 10^{-4}$  and  
Reynold's numbers  $Re = 90,000 - 250,000$ , i.e. within the  
auto-model regime. Distribution of lengthwise pulsating  
speeds of mean square value is shown by graphs in Figures  
2 - 3 and 4, for  $\alpha = 4.2 \cdot 10^{-4}$ ,  $\alpha = 8.05 \cdot 10^{-4}$  and  $\alpha = 10.3 \cdot 10^{-4}$   
respectively, where  $\sqrt{\overline{u'^2}}$

is lengthwise complex pulsating velocity,  $\frac{r}{H}$  is relative  
distance from flow axis,  $V_0$  is average velocity at flow  
axis. Beginning with the correlation

$$\frac{\sqrt{\overline{u'^2}}}{V_*} = k = f(\alpha) \quad (1)$$

where  $V_*$  is a cross section velocity at the wall and  $k = 1.36$   
(from a table on page 631), the author by a series of sub-  
stitutions has arrived at the final expressions:  
d (size of coal dust)

SOV/21-59-6-13/27

Ventilation Stream Parameters Characterizing the Removal of Dust from  
Mine Workings of a Square Cross Section

$$d = \sqrt[3]{\left(\frac{v_c \sqrt{\alpha_1}}{1.13 \gamma}\right)^4} \quad (11)$$

where  $\gamma$  is the specific weight of coal dust particles in grams/cm<sup>3</sup>,  $v_c$  is average speed of air flow in the pipe, in m/sec.,  $\alpha_1$  is aerodynamic resistance coefficient in ten thousandth.

$$v_c \geq \frac{0.78 \gamma_1}{\sqrt{\alpha_1}} \quad (12)$$

At  $v_c = 8$  m/sec,  $\alpha = 0.0004 \div 0.0020$  coal dust particles of  $d = 30 - 60 \mu$  can not settle down under their weight, but will be carried out and away.

There are 3 graphs, 1 table, 1 set of drawings and 7 Soviet references.

Card 3/4

SOV/21-59-6-13/27

Ventilation Stream Parameters Characterizing the Removal of Dust from  
Mine Workings of a Square Cross Section

ASSOCIATION: Kiyevskiy politekhnicheskii institut (Kiyev Polytechnical  
Institute)

PRESENTED: By A. N. Shcherban', Member, AS UkrSSR

SUBMITTED: February 10, 1959

Card 4/4

RYZHENKO, Ivan Yakovlevich; KOSTIN, V.P., red.

[Development of rural electrification in the U.S.S.R.]  
Razvitie sel'skoi elektrifikatsii SSSR. Moskva, Eko-  
nomika, 1965. 231 p. (MIRA 18:7)

RYZHENKO, I.

Constructive work of production innovators. Mias. ind. SSSR 28 no.6:  
4-5 '57. (MIRA 11:1)

1. Ministr USSR. 2. Gosplan USSR.  
(Ukraine--Meat industry)

1. RYZHENKO, L.
2. USSR (600)
4. Meat Industry
7. Tasks of the meat industry during 1953. Mias. ind. 24, No. 1, 1953.

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

VASIN, A.D., starshiy nauchnyy sotrudnik; RYZHENKOV, L.I., veterinarnyy vrach; KHARLAMOV, K.M.

Comparative evaluation of pregnant mare's serum and "gonadostimulin."  
Veterinariia 41 no.11:78-81 N '64. (MIRA 18:11)

1. Gosudarstvennyy nauchno-kontrol'nyy institut veterinarnykh preparatov Ministerstva sel'skogo khozyaystva SSSR (for Vasin).
2. Glavnyy zootekhnik sovkhoza "Ramenskoye", Moskovskoy oblasti (for Kharlamov).



L 16174-66 EWT(m)/EWP(j)/T WW/JW/WE/RM

ACC NR: AP5025348

SOURCE CODE: UR/0366/65/001/010/1868/1871

AUTHOR: Chegolya, A. S.; Smirnova, N. S.; Zhizdyuk, B. I.; Ryshenko, I. M.;  
Golub, G. I.; Ponomarev, A. A.

ORG: Saratov State University im. N. G. Chernyshev (Saratovskiy gosudarstvennyy universitet)

TITLE: Hydrogenation of aromatic amines on ruthenium catalysts

SOURCE: Zhurnal organicheskoy khimii, v. 1, no. 10, 1965, 1868-1871

TOPIC TAGS: hydrogenation, aromatic nitro compound, primary aromatic amine, catalysis, aniline, ruthenium

ABSTRACT: Aniline and m- and p-phenylenediamine (I) were hydrogenated in liquid phase on Ru catalysts at 100-170C to give cyclohexane analogs. All of the Ru catalysts tested gave satisfactory results, however, the rate of hydrogenation decreased in the order RuO<sub>2</sub> > Ru-C > Ru-silica gel. The presence of an additional

Card 1/2

UDC: 542.541 : 547.551/3 : 546.96

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L 16174-66

ACC NR: AP5025348

0

amino or nitro group on the aromatic ring slowed down the reaction. Hydrogenation of I at 80 atm. H. pressure occurred faster in polar solvents (H<sub>2</sub>O, MeOH) than in solvents of lower polarity (EtOH, PrOH, n-amyl alcohol, or dioxane). In a typical experiment, the catalyst was placed in a rotating autoclave, the aromatic amine added in a 3-10-fold amount of solvent, the autoclave pressurized with electrolytic H to 110 atm. and heated in an electric oven. After the H absorption was finished, the catalyst was filtered off, the solvent eliminated, and the residue distilled in vacuo. The hydrogenation of I is highly stereospecific and yields almost exclusively trans-1,4-diaminocyclohexane. Orig. art. has: 2 figures and 1 table.

SUB CODE: 07 / SUBM DATE: 09Nov64 / ORIG REF: 007 / CITE REF: 005

Card 2/2

gc

**SMIRNOV, V.I.; RYZHENKO, L.M.**

Formation and distribution of mercury deposits. *Zakoneb. razm. polezn. iskop.* 1:289-301 '58. (MIRA 12:3)

1. Moskovskiy gosudarstvennyy universitet im. Lomonosova i Vsesoyuznyy gosudarstvennyy fond Ministerstva geologii i okhrany neдр SSSR.  
(Mercury ores)

KYZHENKO, L.M.

3(5) PHASE I BOOK EXPLOITATION 807/1923

Akademiya nauk SSSR. Otdeleniye geologo-geograficheskikh nauk. Komissiya po probleme "Zakonmernosti razmeshcheniya poleznykh iskopayemykh."

Zakonmernosti razmeshcheniya poleznykh iskopayemykh (Regularities in the Distribution of Mineral Deposits Vol 1. Moscow, Izd-vo AN SSSR, 1950. 332 p. Mirata slip insertad. 3,500 copies printed.

Resp. Ed.: N.S. Shatskiy, Academician; Editorial Board: N.S. Shatskiy, Academician, D.I. Elcherbakov, Academician, M.A. Belyayevskiy, N.W. Dolgoplov, G.D. Levitskiy, Yu.M. Pushcharovskiy, G.A. Somolev; Ed. of Publishing House: G.I. Mosov; Tech. Ed.: I.M. Guseva

PURPOSE: This book is intended for geologists and petrographers, particularly those interested in the worldwide distribution of minerals and the reasons underlying their occurrence.

COVERAGE: On the basis of particular regional studies this book attempts to establish the rules governing the distribution of metallic and non-metallic ore deposits. The work includes articles on the metallogeny of individual minerals, on broad methodological problems, and on the possibility of predicting the occurrence of a mineral in the USSR on the basis of its occurrence throughout the world. Six maps depicting the distribution of a particular mineral throughout the world are included with the work. References accompany each article.

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Pinus, G.V., and V.A. Kuznetsov. Regularities in the Geologic Structure and the Metallogeny of the Altay-Sayan Hyperbasal Formation	275
Sairnov, V.I., and L.M. Kyzhenko. Some Features in the Formation and Distribution of Mercury Deposits	289
Kuznetsov, V.A. Regularities in the Formation and Spatial Distribution of Mercury Deposits in the Altay-Sayan Folded Area	302
Bogatskiy, V.V. Regularities in the Distribution of Titanium Concentrations and its Metallogenetic Characteristics as Observed in the Krasnoyarskiy Krai	315

IL'CHENKO, S.G., otv. red.; CHUKLIN, S.G., zam. otv. red.; RYZHENKO,  
L.P., red.; BADYL'KES, I.S., red.; ALEKSEYEV, V.P., red.;  
VEYNBERG, B.S., red.; GOGOLIN, A.A., red.; MEL'TSER, L.Z.,  
red.; ZHADAN, S.Z., red.; NAYER, V.A., red.; MINKUS, B.A.,  
red.; BARENBOYM, A.B., red.; NIKUL'SHINA, D.G., red.

[Transactions of the Conference on the Outlook for the Development and Introduction of Refrigerating Equipment into the National Economy of the U.S.S.R.] Trudy Konferentsii po perspektivam razvitiia i vnedreniia kholodil'noi tekhniki v narodnoe khoziaistvo SSSR. Moskva, Gostorgizdat, 1963. 262 p.

(MIRA 18:3)

1. Konferentsiya po perspektivam razvitiya i vnedreniya kholodil'noy tekhniki v narodnoye khozvarstvo SSSR. Odessa, 1962.
2. Odesskiy tekhnologicheskii institut pishchevoy i kholodnoy promyshlennosti (for Minkus, Barenboym, Chuklin, Nikul'shina, Zhadan).
3. Vsesoyuznyy nauchno-issledovatel'skiy institut kholodil'noy promyshlennosti (for Gogolin, Badyl'kes).

RYZHENKO, L.P., inzh.

Refrigerating industry of the Ukrainian S.S.R. Khol. tekhn. 39  
no.5:1-3 S-0 '62. (MIRA 16:7)

1. Gosplan UkrSSR.  
(Ukraine—Refrigeration and refrigerating machinery)

ZOTOV, V.P.; SILUYANOV, V.G.; GUGINA, Ye.F.; AUERMAN, L.Ya.; ALEKHINA, M.S.;  
BEZZUBOV, A.D.; BODROV, V.A.; BUDNYI, A.V.; BURTSEV, Ye.L.;  
VAYNSHTEYN, V.O.; GAVRILOV, A.N.; GORBATOV, V.M.; GRITSENKO, N.N.;  
DOLGUSHEVA, L.I.; YEDYGENOV, K.Ye.; ZHURAVLEVA, S.S.; ZACHESKIN,  
Ya.A.; IVKIN, A.P.; IZOTOV, A.K.; IL'INSKIY, N.A.; IRINARKHOVA,  
A.M.; KARPENKO, A.K.; LYSOGOR, P.M.; LUPISH, A.T.; OLEYNIKOV, V.V.;  
ORANZHEREYEVA, V.F.; PETROV, N.A.; PYATIBRATOV, M.A.; ROMANOV,  
A.N.; RAUBE, P.V.; RYZHENKO, L.P.; SEMYKIN, A.A.; SHEFER, A.P.

G.IA.Ivanov; obituary. NTO 4 no.10:39 0 '62. (MIRA 15:9)  
(Ivanov, Georgii Iakovlevich, 1897-1962)

**RYZHENKO, M.I., kandidat biologicheskikh nauk.**

**New objectives of pond fish culture. Trudy sov. ikht. kom.  
no. 2:71-76 '53. (MLRA 7:7)**

**1. Vserossiyskiy nauchno-issledovatel'skiy institut prudo-  
vogo rybnogo khozyaystva - VNIPRKh.  
(Fish culture)**



1. RYZHENKO, M. I.
2. USSR (600)
4. Pneumatics
7. Using pneumatics in catching fish. Ryb. khoz. 29, No. 1, 1953.

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

"The Biological Foundations of Herring Fisheries in the North Atlantic."

report presented at the All-Union Conference on Biological Foundations of Ocean Fishing, 11-16 April 1958, by Ichthyological Committee of AS USSR, VNIRO, and Inst. of Oceanography, AS USSR.  
(Vest. AN SSSR, 1958, No. 7, pp. 131-133)

AKHMEROV, A.Kh., kand.biol.nauk; BATENKO, A.I., kand.sel'skokhoz.nauk;  
BRUDASTOVA, M.A., kand.tekhn.nauk; GOLOVINSKAYA, K.A., kand.biolog.  
nauk; GORDON, L.M., kand.ekon.nauk; DOROKHOV, S.M., rybovod-biolog;  
YEROKHINA, L.V., rybovod-biolog; IL'IN, V.M., rybovod-biolog;  
ISAYEV, A.I., rybovod-biolog; KADZEVICH, G.V., rybovod-biolog;  
KOMAROVA, I.V., kand.biol.nauk; KRIMOVA, R.V., rybovod-biolog;  
KULAKOVA, A.M., rybovod-biolog; MAMONTOVA, L.N., kand.biol.nauk;  
MEYSNER, Ye.V., kand.biol.nauk; MIKHEYEV, P.V., kand.biol.nauk;  
MUKHINA, R.I., kand.biol.nauk; PAKHOMOV, S.P., kand.biol.nauk;  
SUKHOVERKHOV, F.M., kand.biol.nauk; SOKOLOVA, Z.P., rybovod-bio-  
log; TSIUNCHIK, R.I., rybovod-biolog; RYZHENKO, M.I., red.; KOSOVA,  
O.N., red.; SOKOLOVA, L.A., tekhn.red.

[Handbook on pond fish culture] Spravochnik po prudovomu rybovodstvu.  
Red.kolleghia: A.I.Isaev i dr. Moskva, Pishchepromizdat, 1959. 374 p.  
(MIRA 13:4)

1. Moscow. Vserossiyskiy nauchno-issledovatel'skiy institut prudo-  
vogo rybnogo khozyaystva.  
(Fish culture)

RY ZHUKKO, M.I.

Biological prerequisites and techniques of fishing for herring  
with variable-depth trawls in the North Atlantic. Trudy sov.  
Ikht. kom. no.10:239-242 '60. (MIRA 13:10)

1. Vserossiyskiy nauchno-issledovatel'skiy institut prudovogo  
rybnogo khozyaystva-(VNIPRKh). (Trawls and trawling)  
(Atlantic Ocean--Herring fisheries)

S/169/62/000/009/097/120  
D228/D307

AUTHORS: Ryzhenko, M. I., Sokolov, O. A., Zolotov, S. V. and  
Khromov, N. S.

TITLE: 7th scientific-research voyage of the submarine  
'Severyanka'

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 9, 1962, 3, ab-  
stract 9V19 (Okeanologiya, 1, no. 6, 1961, 1094-1096)

TEXT: The voyage took place on December 1-31, 1960, in the Sea  
of Norway, principally in herring fishing areas. The Scientific-  
Research Ship 5 'Professor Mesyatsev' was used for the expedition.  
The voyage took place under unfavorable conditions, but was, on  
the whole, fruitful. Ichthyologic observations (on the behavior  
of herring, when cine-surveying was applied) were carried out, as  
were observations on the plankton distribution, the performance  
of a pelagic trawl, and the underwater visibility of colored nets  
at depths of 7 and 25 m under conditions of twilight illumination.  
/\_Abstracter's note: Complete translation.\_/ ✓

Card 1/1

Urgent problems in the over-all mechanization of metallurgical processes. Mekh.i avtom.proizv. 14 no.9:3-5 S '60.

(MIRA 13:9)

(Metallurgical plants--Technological innovations)

RYZHENKO, N. A.

137-58-1-662

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 1, p 103 (USSR)

AUTHOR: Ryzhenko, N. A.

TITLE: The Organization of Repair of Rolling Shop Equipment (Organizatsiya remonta oborudovaniya prokatnykh tsekhov)

PERIODICAL: Tr nauchno-tekhn. o-va chernoy metallurgii, 1956, Vol 10, pp 238-243

ABSTRACT: At the Magnitogorsk Integrated Iron and Steel Works a centralized system for the performance of all types of repairs of iron and steel equipment has been adopted. The machine tools and forge equipment of the shops of the departmental units have been consolidated to establish a joint machine shop and repair teams. The rolling-mill unit shop has 68 machine tools; its personnel consists of 117 machinists and 127 repair mechanics. This system of organization has made possible a more complete and better performance of current repairs and major overhaul, and also the concentration of repair personnel with strict specialization, under which the same machinists have been repairing the same units for 10-15 years. The Chief Mechanic's Department, in cooperation with the shop chiefs

Card 1/2

137-58-1-662

### The Organization of Repair of Rolling Shop Equipment

and mechanics compiles a graph at the end of the current year, showing down time of the rolling mills for repair during the year to come. This graph sets the dates on which mills will be stopped and the length of time that will be necessary for repair. This annual graph is used for monthly planning of repair schedules. Systematic execution of the measures listed has led to an increase in the number of hours of productive operation of rolling mills by increasing the length of time between repairs and by reducing the duration of repairs and of shutdowns due to failure in mechanical equipment.

B. Ye.

#### 1. Rolling mills--Maintenance

Card 2/2



APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520008-1  
Mechanics, Pribluzhorsk Metallurgical Combine.)  
SHEKHTER, S. Ya.; MAL'TSEV, N. A.; PODGAYETSKIY, V. V.; PORHODNYA, I. K.,  
SUBBOTOVSKIY, V. P. and CORELOV, V. P.

"Experience in the Introduction of Mechanized Surfacing in Metallurgy."  
p. 115.

Vnedreniye novykh sposobov svarki v promyshlennost'; sbornik statey, vyp 3.  
(Introduction of New Welding Methods in Industry; Coll. of Articles, v. 3)  
Kiev, Gos. Izd-vo tekhn. lit-ry Ukr SSR, 1960, 207pp

(sponsoring Agency: Inst. Electro Welding im Ye. O. Paton, AS Ukr SSR)

The articles deal with the combined experiences of the Inst. Electric  
Welding im. Ye. O. Paton and several industrial enterprises in solving scientific  
and engineering problems in welding technology. Problems in the application of  
new methods of mechanized welding and electroslag welding in industry are discussed.  
This is the third collection of articles published under the same title.  
The foreward was written by B. Ye. Paton, Acad. of the Acad. Sci. Ukr SSR

S/118/60/000/009/002/009  
A161/A026

AUTHOR: Ryzhenko, N.A., Engineer

TITLE: Arising Problems of Complex Mechanization in Metallurgical Industry

PERIODICAL: Mekhanizatsiya i avtomatizatsiya proizvodstva, 1960, No. 9, pp. 3 -5

TEXT: The present state of mechanization in the Soviet metallurgical industry is discussed and some comparisons are made with the U.S. mechanization level. Though the capacity of skip hoists, charge distributors, slag ladles, exceeds the American, some equipment that is now common in the U.S. is not yet available in the USSR, e.g. one only experimental ore-neutralizing machine has been produced at the Yuzhno-Ural'skiy metallurgicheskiy zavod (South-Ural Metallurgical Plant); no coke shaker screens for blast furnaces are existing. The U.S. iron ladles have 160 ton maximum capacity comparing with 100 ton of Soviet. The blast furnaces built after the war are highly mechanized, but of the 100 to 175 men only 20 - 25 are working at the furnace, all others are unloading the charge materials, loading the furnace, removing slag, transporting iron, etc.; 39 - 50 men are occupied with repair in various spots. In open-hearth furnace foundries the automation level of auxiliary work is higher in the U.S. In USSR

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S/118/60/000/009/002/009  
A161/A026

### Arising Problems of Complex Mechanization in Metallurgical Industry

steel foundries the following work is still manual: lining of ladles and spouts, cleaning of ingot stools for siphon teeming; replacing of furnace lining; chipping of ingots (at special steel plants). The automatic instrumentation of the open-hearth furnaces proper is high-level, but not all other work in the foundry. Of 117 men, only 20 - 25 are at the furnace. New equipment has yet to be developed for new blast furnaces with 2,000 and 2,700 m<sup>3</sup> capacity; the UZTM-made filling devices have short life, one had to be replaced after only 8.5 months operation on a blast furnace at Chelyabinskiy metallurgicheskiy zavod (Chelyabinsk Metallurgical Plant) and the furnace had to be stopped. It is planned to use all-welded steel ladles with mechanical control of stoppers and automatic control of teeming speed and weight of metal filled into ingot molds; continuous teeming will be used more, first in the steel foundries already working. Equipment must be developed for mechanical replacement of tuyeres (because of higher weight); an electric stopper is needed for slag tap, a tapping machine, and other. Machines are necessary for the transportation of liquid iron in the foundry yard and for processing slag for construction materials, for fully-mechanized iron teeming, for cooling and transporting into railroad cars, for removing dust out of exhausters; scales are needed of RR type with automatic recording, ingot trolleys for

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A161/A026

### Arising Problems of Complex Mechanization in Metallurgical Industry

up to 25-ton ingots, etc. The existing equipment must be modernized. Short life of equipment is a problem - for instance the charging machines last one year only at some plants, while the lining in the furnace lasts for three years. If the institutes together with machine plants will not manage to produce in the nearest future a more wear-resistant charging machine, over 150 such machines will have to be produced annually at a cost of over 100 million roubles; hot-blast valves are being replaced every 3 - 6 months, and if this will not change, more than 1,000 such valves will have to be made annually after 1965, and a furnace will have to be stopped for 2 - 4 hours to replace one. Service life of ingot mold trollies, steel teeming ladles and slag bowls is very low. At the blast furnaces No. 5 and 6 of the Magnitogorskiy kombinat (Magnitogorsk Combine), gears and bearings went loose in the skip winches and the furnaces had to be stopped; this resulted in a loss of 3 - 5 thousand tons of output for each furnace (the winches are made by Uralsmashzavod). The drums in teeming cranes are wrongly fastened, the quality of running wheels is low, the visibility out of the crane operator's cab not good, the balancers are poorly made. The consumption of spare parts is such that on the average 10 kg of spare parts are used per 1 ton of ready rolled metal, which means that the iron plants will need about 2 million

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A161/A026

Arising Problems of Complex Mechanization in Metallurgical Industry

tons of spare parts a year, and their cost is high if they are produced by the piece in repair shops, and will reach an annual total of 10 billion roubles for all plants of the Soviet Union, if the situation will not change. Apart from rapid wear of spares, cranes of same types produced at different plants are completely different in design and this means different spare parts. One example of the situation is the open-hearth foundry of the MMK, where four 125-ton teeming cranes are of SKMZ, NKMZ, Sibtyazhmash and DEMAG make. Six of the nine 280-ton teeming cranes at MMK are produced at different USSR plants, and they have different wheels, shafts and gears, not to mention cranes of foreign make. Same is the situation at the Kuznetskiy metallurgicheskiy kombinat (Kuznetsk Metallurgical Combine), Zaporozhstal' and other plants.

RYZHENKO, S.P.; ZUBAROVSKIY, N.I., inzh.

Electric transportation of containers with freight documents. Avtom.,  
telem. i sviaz' 7 no.8:27-29 Ag '63. (MIRA 16:9)

1. Starshiy inzh. Byuro po delam ratsionalizatsii i izobretatel'stva  
Uzhgorodskogo otdeleniya L'vovskoy dorogi (for Ryzhenko).
2. Byuro po delam ratsionalizatsii i izobretatel'stva Uzhgorodskogo  
otdeleniya L'vovskoy dorogi (for Zubarovskiy).  
(Railroads—Equipment and supplies)

RYZHENKOV, V.I., inzh.

Laying of permanent haulageways in sections of crosscuts of galleries. Shakht. stroi. 7 no.7:13-14 J1 '63. (MIRA 16:10)

1. Glavnyy marksheyder Dzhezkazganskogo shakhtostroyupravleniya No.1.

66327  
SOV/162-59-1-27/27

~~9 (2, 3)~~ 9,4000

AUTHORS: Goncharskiy, L.A., Ryzhenko, V.I.

TITLE: One Type of Ionic-Mechanical Accelerometer Tube

PERIODICAL: Nauchnyye doklady vysshey shkoly, Radiotekhnika i elektronika, 1959, Nr 1, pp 226-231

ABSTRACT: The authors developed a new ionic accelerometer tube, distinguished by a high voltage sensitivity. The accelerometer tube was based on the TKh3B cold cathode thyatron. Basic parts and the manufacturing technology of the TKh3B tube were used for the accelerometer tube, which was built in several versions. The principal design of the accelerometer tube is shown in Fig 1. A nickel anode of 4x4 or 5x5 mm (depending on the version) is suspended by a tungsten spring between two plane molybdenum cathodes. Provisions were made to prevent an envelope discharge of the cathodes. The rectangular nickel anode has a thickness of 0.2 mm for the 5x5 mm version. It is mounted on a tungsten wire of 0.15 mm diameter and 15 mm length. The natural oscillation

Card 1/3

zheleznodo-  
Correspondence Institu-



RYZHENKOV, V. I., inzh.

Establishing control point network in underground mine surveying  
in Dzhezkazgan. Shakht.strol. 9 no.5:17 My '65.

(MIRA 18:6)

1. Dzhezkazganskoye shakhtostroitel'noye upravleniye.

ZHAROVSKIY, F. G.; RYZHENKO, V. L.

Solubility of hydroxyquinolates in organic solvents and the optical properties of solutions. Part 1: Magnesium hydroxyquinolate. Ukr. khim. zhur. 28 no.3:306-309 '62.  
(MIRA 15:10)

1. Kiyevskiy gosudarstvennyy universitet im. T. G. Shevchenko.

(Quinolinol) (Solvents) (Magnesium—Analysis)

**RYZHENKOV, A.A.; CHUDANOV, I.A.**

We are increasing the production of grain. Zemledelie 26 no.7:13-15  
JI '64. (MIRA 18:7)

1. Glavnyy agronom sovkhoza imeni Frunze Bol'sheglushitskogo proizvod-  
stvennogo upravleniya, Kuybyshevskoy oblasti (for Ryzhenkov). 2. Kinel'skaya  
gosudarstvennaya selektsionnaya stantsiya (for Chudanov).

ALEKSANDROV, K.S.; BELIKOVA, G.S.; RYZHENKOV, A.P.; TESLENKO, V.R.;  
KITAYGORODSKIY, A.I.

Elastic constants of molecular crystals. Elastic constant of  
naphthalene. Kristallografiia 8 no.2:221-224, Mr-Ap '63.

(MIRA 17:8)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.

S/070/63/008/002/004/017  
E021/E120

AUTHORS: Aleksandrov K.S., Belikova G.S., Ryzhenkov A.P.,  
Teslenko V.R., and Kitaygorodskiy A.I.

TITLE: Elastic constants of molecular crystals,  
Elastic constants of naphthalene

PERIODICAL: Kristallografiya, v.8, no.2, 1963, 221-224

TEXT: A study of the elastic constants is the main method of investigating the laws of interaction of molecules, a knowledge of which is necessary for constructing a theory of the properties of organic crystals. Coarse crystals of naphthalene grown from the melt and annealed for three days were studied. The orientation of the crystals was found by X-ray measurements. Measurements of the rate of propagation of elastic waves in the crystal were carried out using ultrasonic apparatus at frequencies of 1.7 and 5.0 megacycles. The waves were propagated in six different directions:

[001], [110], [010], [101], [100] and [011].

The rates of propagation in three directions at right angles were measured in each case. From the results the moduli of elasticity  
Card 1/2

Elastic constants of molecular ...

S/070/63/008/002/004/017  
E021/E120

were measured, e.g. the volume compressibility is equal to  $20 \times 10^{-6} \text{ cm}^2/\text{kg}$ . It was shown that the results obtained experimentally agreed with theoretical values calculated by the method of A.I. Kitaygorodskiy (Dokl. AN SSSR, v.137, 1, 1961, 116) and A.I. Kitaygorodskiy and K.V. Mirskaya (Kristallografiya, v.6, 3, 1961, 406).  
There is 1 table.

ASSOCIATION: Institut elementoorganicheskikh soyedineniy AN SSSR  
(Institute of Elemental Organic Compounds, AS USSR)

SUBMITTED: August 25, 1962

Card 2/2

RYZHENKOV, G., lesnichiy

For efficient utilization of forest grasslands. Nauka i pered. op v  
sel'khoz. 9 no.6:28-29 Je '59. (MIRA 12:9)  
(Ryazan Province--Pastures and meadows)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520008-1  
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520008-1"

SOKOLOV, S.Ye. (Smolensk); RYZHENKOV, G.G., Inzh. (Smolensk)

New developments in the maintenance of bridges. Put' i put. khoz.  
8 no.10:20 '64. (MIRA 17:12)



LOSEV, M.; RYZHENKOV, I.

Methodology for planning labor productivity in petroleum extraction  
according to factors involved. *Biul. nauch. inform.: trud i zar.*  
plata 5 no.4:3-8 '62. (MIRA 16:1)  
(Oil reservoir engineering--Labor productivity)

RYZHENKOV, I.

"Economic efficiency of the hydraulic fracturing method"  
by V.A. Bugrov. Neft. khoz. 38 no.6:70-71 Je '60.  
(MIRA 13:7)  
(Bashkiria--Oil wells--Hydraulic fracturing)

LOSEV, Mikhail Timofeyevich; RYZHENKOV, Ivan Ivanovich; KURILKIN,  
Leonid Romanovich; KOLEMASOVA, Irina Maksimovna;  
TIKHONOVA, Lyudmila Nikolayevna; LATUKHINA, Ye. I., ved.  
red.; POLOSINA, A.S., tekhn. red.

[Labor productivity in petroleum production] Proizvoditel'-  
nost' truda v dobyche nefi. Moskva, Gostoptekhizdat,  
1963. 152 p. (MIRA 16:10)  
(Petroleum production--Labor productivity)

RYZHENKOV, I.I.; LOSEV, M.T.; KOLEMASOVA, I.M.; KURILKIN, L.R.;  
TIKHONOVA, L.N.

Basic factors in the growth of labor productivity in petroleum  
production of the Soviet Union. Trudy VNI no.39:187-199 '63.  
(MIRA 17:10)

Effect of the production organization and working conditions  
on labor productivity in petroleum production. Ibid.:200-213

RYZHENKOV, I.I.; KURILKIN, L.R.; KOLEMASOVA, I.M.; LOSLEV, M.T.; ROMANOV, V.V.

Fundamentals of the efficient organization and control of petroleum  
production. Nauch.-tekh. sbor. po 'ob. nefi no.25:147-149 '64.  
(MIRA 17:12)

1. Vsesoyuznyy neftegazovyy nauchno-issledovatel'skiy institut.

BORISOV, P.A.; RYZHENKOV, I.I.

Economic efficiency of accelerating oil recovery by hydraulic  
fracturing of strata and hydrochloric acid treatment of wells,  
Trudy Inst.nefti 11:333-337 '58. (MIRA 11:12)  
(Oil wells--Hydraulic fracturing) (Hydrochloric acid)

RYZHENKOV, I. I.

with Borisov, P. A. "Economic Practicability of Intensifying Crude Oil Recovery by Hydraulic Fracturing of a Formation and Treatment of Oil Wells with Hydrochloric Acid"

Transactions of the Petroleum Institute, Acad. Sci. USSR, v. 11, Oil Field Industry, Moscow, Izd-vo AN SSSR, 1958. 346pp.

~~RYZHENKOV, I. I.~~

Methods for determining the effectiveness of treating oil wells  
with hydrochloric acid. Neft. khoz. 35 no. 5:41-42 My '57.  
(Hydrochloric acid) (MLRA 10:6)  
(Petroleum engineering)



RYZHENKOV, I.I.

Determination of the specific captial investments in petroleum  
production. Neft. khoz. 40 no.4:10-13 Ap '62. (MIRA 15:5)  
(Petroluem industry--Finance)

RYZHENKOV, I. I.

Systematic exploitation of oil fields. *Neft.khoz.* 33 no.7:18-20  
J1'55. (Oil fields) (MIRA 8:10)

Ryzhenkov, I. I.

93-5-10/19

AUTHORS: Ryzhenkov, I. I.

TITLE: Methods of Determining the Effectiveness of Treating Wells With Hydrochloric Acid (O metodike opredeleniya effektivnosti solyanokislotnoy obrabotki skvazhin)

PERIODICAL: Neftyanoye Khozyaystvo, 1957, Nr 5, pp. 41-42 (USSR)

ABSTRACT: Present methods of determining the effectiveness of hydrochloric-acid treatment of wells are deficient in certain respects. The evaluation of the effectiveness is limited usually to an analysis of two factors, namely - the increase in oil production and the cost of treatments. Frequently in calculating the production increase no consideration is given to the rate of change in oil recovery or to the remaining effect of past treatments. A proper analysis of the effectiveness of hydrochloric acid treatments should take into account a totality of technological and economic factors, including the additional recovery of oil, operating efficiency and the degree to which basic equipment is used. The exclusion of less important factors and a comparison of various kinds of treatments performed at wells having equal

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93-5-10/19

Methods of Determining the Effectiveness of Treating Wells (Cont.)

production records and similar geological characteristics at the bottom of the hole are very important in determining the comparative effectiveness of various technological schemes. In determining the cost of additional oil obtained as a result of acid treatment, the cost of electric power, compressed air, break-down of emulsion, and the pumping of the additional oil should be taken into account, in addition to the cost of the acid treatment itself. The effect of the treatment can be found by comparing the cost of oil produced by wells which were treated with acid with the cost of oil from wells not stimulated by acid treatment. Such methods make it possible to determine the effect of hydrochloric treatments on economic indices of oilfield exploitation, to find out the comparative effectiveness of various technological schemes and the basic factors determining the effectiveness of treatments. An analysis of test results obtained at Ishimbayneft', Kinel'neft', and Molotovneft' oil fields showed that the effectiveness of treatment is closely connected with the wide use of surface-active chemicals of the "DS" type, developed by the Petroleum Institute of the AN SSSR. The most important technological and

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93-5-10/19

Methods of Determining the Effectiveness of Treating Wells (Cont.)

economic changes due to the hydrochloric acid treatment of wells for the years 1948-1954 are given (in percentages) in the table. The total savings in these three regions amounted to 80,000,000 rubles. Some of the factors which could lower the cost of oil production are the shortening of the duration of the acid treatment itself, a more thorough preparation of wells and equipment. In conclusion the author mentions the fact that acid fluids could be used in hydraulic fracturing, which would combine the mechanical and chemical action on the formation, increasing thereby the output of oil. One Table.

AVAILABLE: Library of Congress.

Card 3/3

AID P - 2733

Subject : USSR/Mining  
Card 1/1 Pub. 78 - 3/22  
Author : Ryzhenkov, I. I.  
Title : ~~USSR/Mining~~ About a planned exploitation of oil deposits  
Periodical : Neft. khoz., 33, 7, 18-20, J1 1955  
Abstract : The author makes some comments about the article of M. V. Mkrtchyan "Questions relating to a planned exploitation of oil deposits" published in the journal, No. 2, 1955. The main assertion of M. V. Mkrtchyan that the curves of oil recovery of oil wells should have a more flat and extended form is criticized. The specific conditions of each well for best recovery must be considered as well as the general needs and economy of the country.  
Institution : None  
Submitted : No date

RYZHENKOV, I.I.

Economic evaluation of new petroleum production techniques taking  
into consideration the cost changes in various fields. Nauch.-tekh.  
sbor. po dob. nefiti no.24:141-145 '64. (MIRA 17:10)

I. Vsesoyuznyy neftegazovyy nauchno-issledovatel'skiy institut.

~~SHEREMET, Anatoliy Danilovich; RYZHENKOV, Kons antin Ivanovich;  
TUBOL'TSEV, M., red.; SHLYK, M., Tekhn. red.~~

[How to analyse the work of your enterprise] Kak analizirovat'  
rabotu svoego predpriatiia. Moskva, Mosk. rabochii, 1962.  
58 p.

(Industrial management)

(MIRA 16:8)



1.1500

S/123/61/000/015/029/032  
A004/A101

AUTHORS: Kolchin, I. F., Ryzhenkov, V. V.

TITLE: Manufacturing high-precision large-size steel castings using chemically solidifying mixtures

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 15, 1961, 16, abstract 15G112 (V sb. "Tochnost' otlivok". Moscow, Mashgiz, 1960, 153-159)

TEXT: The authors give an account of the production practice of the foundry shop of the "Sibtyazhmash" Plant in the manufacture of large-size steel precision castings weighing from 500 kg to 25-30 tons, using chemically solidifying mixtures. Some particular examples are presented which characterize the efficiency of using these mixtures to increase the finish and accuracy and improve the casting quality. There are 4 figures.

[Abstracter's note: Complete translation]

ROMANKOVA, M.P.; RIZHENKOV, V.Ye.

Uropepsin content in the urine and 17-hydroxycorticosteroid  
content in the blood plasma in thoracic surgery. Vest. khir.  
93 no.11:43-48 N '64. (MIRA 18:6)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - prof. V.I.  
Kolesov) 1-go Leningradskogo meditsinskogo instituta imeni Pavlova  
i otdela farmakologii (zav. - prof. S.V. Anichkov) Instituta  
eksperimental'noy meditsiny AMN SSSR.

RYZHENKOV, V.Ye.; STASHKOV, A.M.

Course of radiation sickness with special consideration to the stimulating action of radioprotective agents on the pituitary-adrenal system. Med. rad. 9 no.2:46-50 D '64.

(MIRA 18:12)

1. Otdel farmakologii (zav. - prof. S.V.Anichkov) i  
Laboratoriya radiobiologii (zav. - doktor med.nauk P.I.  
Lomonos) Instituta eksperimental'noy meditsiny, Leningrad.

RYZHENKOV, V.Ye.; TSOY, S.A.

Functional and morphological changes in the hypothalamus-  
-hypophysis system under the effect of the neurotropic drug  
ethylnorantifeine. Biul. eksp. biol. i med. 59 no.4:64-66  
Ap '65.

(MIRA 18:5)

1. Otdel farmakologii (zav. - deystvitel'nyy chlen AMN SSSR  
prof. S.V. Anichkov) Instituta eksperimental'noy meditsiny  
(dir. - deystvitel'nyy chlen AMN SSSR prof. D.A. Biryukov)  
AMN SSSR, Leningrad.

SIRYACHENKO, E.I.; RYZHENKOV, V.Ye.

Some glycoconicoid~~III~~ properties of echinatic, meristotropic and  
maceuonic acids. mast.res. 1 no.3:376 '65. (MIRA 18:10)

1. Institut eksperimental'noy meditsiny AMN SSSR, Leningrad.

RYZHENKOV, V.Ye.

Introduction of substances into cerebral arteries of dogs in a  
chronic experiment. Fiziol.zhur. 51 no.3:400-402 Mr '65.

(MIRA 7815)

1. Otdel farmakologii Instituta eksperimental'noy meditsiny AMN  
SSSR, Leningrad.

RYZHENKOV, Yegor Vasil'yevich-[Ryzhankou, IA.]; FEL'GIN, M. [Fel'hin, M.],  
red.; SLAVYANIN, I., tekhn.red.

[Production cost and the price of collective-farm products]  
Sabekosht i tsena kalhasnai produktsyi. Minsk, Dzierzh.vyd-va  
BSSR, Red.satsyial'na-eken.lit-ry, 1960. 65 p.

(MIRA 14:2)

(White Russia--Collective farms--Economic aspects)

RYZHENKO, L.

Need for a better assortment and quality improvement of sausage  
products. Mas.ind. SSSR 34 no.3:13-18 '63. (MIRA 16:7)

1. Gosplan UkrSSR.



RYZHENKOV, L.I.; NIKOLAYEV, F.N.

Treatment of gynecological diseases of cows. Veterinariia 36  
no.3:36 Mr '59. (MIRA 12:4)

1. Glavnyy vetvrach Ramenskogo rayona, Moskovskaya oblast' (for Ryzhenkov).
  2. Glavnyy vetvrach Bronnitskogo rayona, Moskovskaya oblast' (for Nikolayev).
- (Cows--Diseases)

"Ultra-~~vix~~ violet irradiation of animals and poultry in industrial conditions."

Veterinariya, Vol. 37, No. 2, 1960, p. 67

MELYUKOV, A. N., VNIIZH, RYZHENKOV, L. I., Glavnyy veterinarnyy vrach  
CHERNYAK, Z. V., Glavnyy zotekhnik Lyuberetskogo rayon, Moskovskoy oblasti

**RYZHENKOV, I.I.**

Use of antibiotics in stockbreeding. Veterinariia 35 no.11:  
48-50 N '58. (MIRA 11:11)

1. Glavnyy vetvrach Ramenskogo rayona, Moskovskoy oblasti.  
(Antibiotics) (Feeding and feeding stuffs)

RYZHENKOV, L.I.

The power of socialist competition. Veterinaria 35 no.4:17-26  
Ap '58. (MIRA 11:3)

1. Glavnyy vetvrach Ramenskogo rayona, Moskovskoy oblasti.  
(Stock and stockbreeding)

RYZHENKOV, L.I.

Organization of artificial insemination of cattle. Veterinariia 34  
no.2:58-60 F '57. (MLRA 10:11)

1. Glavnyy veterinarnyy vrach Ramenskogo rayona, Moskovskoy oblasti.  
(Artificial insemination)

**RYZHENKOV, L.I.**, glavnyy veterinarnyy vrach Ramenskogo rayna, Moskovskoy oblasti.

Eliminating sterility in cows. Veterinariia 33 no.5:12-16 My '56.  
(Cows) (Sterility in animals) (MLRA 9:8)

**RYZHENKOV, L.I., glavnyy veterinarnyy vrach rayona.**

**Veterinary service in Ramenskoye District, Moscow Province. Veterinaria  
33 no.7:15-19 J1 '56. (MIRA 9:9)  
(Ramenskoye District--Veterinary medicine)**





L 56083-65 EWG(j)/ENT(m)  
ACCESSION NR: AP5018574

UR/0241/64/009/012/0046/0050

AUTHOR: Ryzhenkov, V. Ye.; Stashkov, A. M.

21  
20  
B

TITLE: Course of radiation sickness against a background of the stimulating action of radioprotective substances on the hypophysis-adrenal system

SOURCE: Meditsinskaya radiologiya, v. 9, no. 12, 1964, 46-50

TOPIC TAGS: radiation sickness, radiation protection, experiment animal, endocrinology, gland

ABSTRACT: The object of the experiments reported was to determine the effect of a number of radioprotective substances on the hypophysis-adrenal cortex system, and to establish the connection between this effect and the protective action of the preparations. Nonbred dogs weighing 16-21 kilograms were used in the experiments. The preparations tested were cystamine administered in doses of 50 milligrams per kilogram body weight; unithiol in doses of 50 milligrams per kilogram body weight; allylnoranti-pheine in doses of 15 milligrams per kilogram body weight; phenatine in

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ACCESSION NR: AP5018574

doses of 5 milligrams per kilogram body weight. Cystamine and unithiol were administered intraperitoneally, allylnorantipheine, subcutaneously, and phenatine, intravenously. Within one to 1.5 hours after the administration of the preparations to the animals, a significant increase in the concentration of 17-Oxycorticosteroids was noted in the peripheral blood plasma and symptoms of a eosipenic reaction developed. This indicates an increase in the functional activity of the hypophysis-adrenal cortex system. The data obtained indicates the positive role which the neuro-endocrine influences plays in the mechanisms of the pharmacological protection of the organism from radiation affections.

Orig. art. has: 2 tables.

ASSOCIATION: Otdel farmakologii Instituta eksperimental'noy meditsiny, Leningrad (Pharmacology Department, Institute of Experimental Medicine); Laboratoriya radiobiologii Instituta eksperimental'noy meditsiny, Leningrad (Radiobiology Laboratory, Institute of Experimental Medicine)

SUBMITTED: 29Jan64

ENCL: 000

SUB CODE: LS

NR REF SOV: 005

OTHER: 004

JPRS

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Card 2/2

PHASE I BOOK EXPLOITATION SOV/5304

Soyezhchaniye po teorii litseynykh protsessov. 5th, 1959  
Technost: otlivok; trudy sovedchaniya (Accuracy of Castings; Trans-  
actions of the Fifth Conference on the Theory of Founding Proce-  
es) Moscow, Mashgiz, 1960. 206 p. 3,500 copies printed.

Sponsoring Agency: Akademiya nauk SSSR, Institut mashinovedeniya.  
Komissiya po tekhnologii mashinostroyeniya.

Ed. (title page): B. B. Gulyayev, Doctor of Technical Sciences,  
Professor; Ed. of Publishing House: G. N. Soboleva; Tech. Ed.:  
A. P. Uvarova; Managing Ed. for Literature on Hot-Processed  
Metals: S. Ya. Golovin, Engineer.

PURPOSE: This book is intended for scientific and technical person-  
nel at scientific research institutes, factories, and schools of  
higher education.

COVERAGE: The book contains 19 reports read at a conference on the  
accuracy of castings. The conference was organized by the  
Committee on Processing in Machine Building and sponsored by the  
Institut mashinovedeniya AN SSSR (Institute of the Science of  
Machines of the Academy of Sciences USSR). The reports, pre-  
sented by leading specialists, science workers, and production  
personnel, discuss the present state of the problem of the accu-  
racy of castings and methods of solving the problems involved.  
There are 58 references, mostly Soviet.

Korarcv, L. Ye. [Engineer]. Distortion of Sand Molds  
Zhukovskiy, S. S. [Engineer], and Ya Tsuan-chin [Engineer].  
Dimensional Errors of Castings Caused by Patterns and Flasks 125

Dubrovskiy, A. M. [Engineer]. Effect of Thermal Distortion  
of the Molding Mixture on the Accuracy of Castings 131  
The work of investigating the distortions and thermal stress  
in the molding mixtures was carried out under the supervi-  
sion of P. P. Berg.

Fomchenko, S. I. [Engineer], and B. B. Gulyayev. Production  
of Precision Castings in Shell Molds Fused from a Waterglass  
Mixture 146

Kolchin, I. P. [Engineer], and V. Y. Ryzhenkov [Engineer].  
Production of Large Precision Steel Castings by Using Chemi-  
cally Hardening Mixtures 153

Rubtsov, N. N. [Doctor of Technical Sciences, Professor], and  
V. B. Zolotarev [Engineer]. Dimensional Accuracy of Investment  
Castings 160

Gorunov, I. I. [Candidate of Technical Sciences]. Dimen-  
sional Accuracy and Surface Roughness of Castings Obtained  
by Various Methods  
O. A. Katsy, Ye. Danilov, A. I. Belyayev, and Engi-  
neer V. B. Shal'man participated in making castings. 180

Makel'skiy, M. F. [Engineer], and B. B. Gulyayev. Formation  
of the Contours of Castings in Die Casting 193

Kolesnichenko, A. G. [Engineer]. Accuracy of Castings Ob-  
tained in Metal Molds 203

SOV/128-59-11-6/24

AUTHORS: Kolchin, I.F. and Ryzhenkov, V.V., Engineers

TITLE: Improving Quality of Steel Castings

PERIODICAL: Liteynoye proizvodstvo, 1959, Nr 11, pp 12-14 (USSR)

ABSTRACT: When casting steel, the Plant "Sibtyazhmash" uses a paste made of chromite against the formation of crust. The chrome ore originates from the Kimpersayskoye deposit; its contents are given in Table on page 12. The fire-proof covering in the form of a paste is placed on the surface of the mold; the paste composition is 86-89% chromite, 2% dextrine and 9-12% fodder molasses. A sprayer is used for surfacing with paste. Since 1955, mixtures with liquid glass and the blowing of molds with carbon dioxide have been used at the plant. At present, over 70% of cores are fashioned from mixtures containing liquid glass. The molds are blown through a hollow model provided with outlet gas channels (Figs 1 and 2). The blowing lasts 2-5 minutes; carbon dioxide consumption is 15-18 kg per ton of castings. The

Card 1/2

SOV/128-59-11-6/24

### Improving Quality of Steel Castings

author describes several types of pulleys manufactured for overhead cranes. All these pulleys are produced with the application of progressive methods mentioned above. There are 1 table, 7 diagrams and 5 photographs.

Card 2/2

RYZHENCOV, V. V. and KOLECHIN, I. F.

"An Investigation of the Quality of Castings with the Utilization of  
Various Moulding Materials and Coatings"

report presented at the 7th Conference on the Interaction of the Casting Mould  
and the Casting, sponsored by the Inst. of Mechanical Engineering, Acad. Sci.  
USSR, 25-28 January 1961.

LYUBIMOV, V. Ye.; SPASHKOV, A. M.; KORYKOV, V. P.

Hypothalamic reactions after mercapine and antifebrin  
administration and irradiation. Radiobiologia 3 no.5:116-121  
1963. (MIRA 1964)

1. Institut eksperimental'noy meditsiny SSSR, Leningrad.

GRUCHISHKIN, I.I.; RYZHENKOV, V.Ye.

Emetic effect of anemorphine, morphine and aconitine in various  
types of administration. Farm. i toks. 26 no.5:578-584 S-0 '63.  
(MIRA 17:8)

1. Otdel farmakologii (zav. - deystvitel'nyy chlen AMN SSSR  
prof. S.V. Saichkov) Instituta eksperimental'noy meditsiny  
AMN SSSR.



SHCHERBAN', A.N., akademik; TSYBUL'NIKOV, A.S., dotsent; RYZHENKO,  
I.A., gorny inzhener

Determining the face length by the gas emission factor.  
Ugol' Ukr. 4 no.5:43-44 My '60. (MIRA 13:8)  
(Mine gases) (Coal mines and mining)

AUTHORS: Kravets, V.I. and Ryzhenko, I.A. 21-58-5-12/28

TITLE: Determination of the Maximum Air Stream Velocity in Relatively Smooth Mine Workings by the Dust Factor (Opredeleniye maksimal'noy skorosti ventilyatsionnogo potoka v otnositel'no gladkikh rudnichnykh vyrabotkakh po pylevomu faktoru)

PERIODICAL: Dopovidi Akademii nauk Ukrain'skoi RSR, 1958, Nr 5, pp 515-518 (USSR)

ABSTRACT: The authors analyzed the air motion in relatively smooth mine workings and came to a conclusion that its velocities correspond to the beginning of movement of coal particles up to 100 microns in diameter. They derived formulas for determination of the lower limiting air velocity at which coal particles begin to move, which indicate that its value depends upon the specific weight of the particles and coefficient of the aerodynamical resistance of the mine working, but does not depend on the size of the particles. Numerical examples cited show that this value varies in the limits between 1.7 and 8.8 m/sec.  
There is 1 sketch and 5 Soviet references.

ASSOCIATION: Kiyevskiy politekhnicheskii institut (Kiyev Polytechnic Institute)  
Card 1/2

21-58-5-12/28

Determination of the Maximum Air Stream Velocity in Relatively Smooth Mine Workings by the Dust Factor

PRESENTED: By Member of the AS UkrSSR, A.N. Shcherban'

SUBMITTED: September 23, 1957

NOTE: Russian title and Russian names of individuals and institutions appearing in this article have been used in the transliteration.

1. Air--Velocity
2. Particles (Airborne)--Motion

Card 2/2

SOV-21-58-9-9/28

AUTHOR: Ryzhenko, I.A.

TITLE: Field of Velocities in Mine Workings with a Trapezoidal Cross Section (Pole skorostey v gornykh vyrabotkakh trapetsoidal'-noy formy secheniya)

PERIODICAL: Dopovidi Akademii nauk Ukrain's'koi RSR, 1958, Nr 9, pp 951 - 954 (USSR)

ABSTRACT: As a rule, the motion of air in mine workings is turbulent and characterized by the values of Reynolds numbers ranging from  $10^4$  to  $5 \cdot 10^6$ . The ratio of the maximum velocity to the average velocity is called the coefficient of the velocities field. The author derives an approximate formula for analytical determination of this coefficient as a function of the aerodynamical coefficient of air resistance in mine workings with a trapezoidal cross-section which looks as follows:

Card 1/2

$$\Pi = 1 + 0.133\sqrt{\alpha}$$

SOV-21-58-9-9/28

Field of Velocities in Mine Workings with a Trapezoidal Cross Section

where  $\alpha$  is given in ten-thousandth fraction. There are:  
1 diagram and 3 Soviet references.

ASSOCIATION: Institut gornogo dela AN UkrSSR (Institute of Mining of the AS UkrSSR)

PRESENTED: By Member of the AS UkrSSR, A.N. Shcherban'

SUBMITTED: March 29, 1958

NOTE: Russian title and Russian names of individuals and institutions appearing in this article have been used in the transliteration

1. Underground structures--Ventilation
2. Air--Motion
3. Mathematics

Card 2/2

RYZHENKO, I.A., inzh.; SKOROBAGAT'KO, A.A., inzh.

Velocity field in rectangular cross-section mines. Izv.vys.  
ucheb.zav.; gor.zhur. no.1:83-87 '60. (MIRA 13:6)

1. Kiyevskiy ordena Lenina politekhnicheskii institut. Rekomendovana  
kafedroy ventilyatsii i tekhniki bezopasnosti.  
(Mine ventilation)

TSYRUL'NIKOV, A.S., dotsent; RYZHENKO, I.A., gornyy inzh.

Effect of the speed of air flow on dust and gas conditions during the  
operation of mining machines. Ugl' Ukr. 4 no.3:24-26 Mr '60.  
(MIRA 13:6)

(Mine ventilation)

(Coal mines and mining--Safety measures)

SHCHERBAN', A.N.; TSYRUL'NIKOV, A.S.; BARATOV, E.I.; RYZHENKO, I.A.;  
APONINA, G., red.; MATUSEVICH, S., tekhn.red.

[Determining the length of stopes in coal mines] Opređenje  
dliny ochistnykh zaboev ugol'nykh shakht. Kiev, Gos.izd-vo  
tekhn.lit-ry USSR, 1959. 125 p. (MIRA 13:3)  
(Mine ventilation) (Stoping (Mining))



RYZHENKO, I.A., inzh.

Air stream parameters characterizing the dust carried out  
of trapezoid mines. Izv.vys.ucheb.zav.; gor.zhur.  
no.7:48-51 '60. (MIRA 13:7)

1. Kiyevskiy politekhnicheskoy institut. Rekomendovana  
kafedroy ventilyatsii i tekhniki bezopasnosti.  
(Mine ventilation)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520008-1  
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520008-1  
KRAVETS, V.I. [Kravets', V.I.]; RYZHENKO, I.A. [Ryzhenko, I.O.]

Determining the maximum ventilation-stream velocity by the dust  
factor in relatively smooth mine workings [with summary in English].  
Dop. AN URSSR no.5:515-518 '58. (MIRA 11:6)

I.Kiivs'kii politekhnichnyi institut. Predstavleno akademikom  
AN USSR A.N. Shcherbanem.  
(Mine ventilation)

RYZHENKO, I.A.

Depth at which winter wheat seeds are sown. Zemledsle 6 no.6:22-25  
Je '58. (MIRA 11:6)

(Wheat)

RYZHENKO, I. A.

Cand Tech Sci - (diss) "Study of parameters of ventilating stream characterizing the outflow of dust from mining operations." Khar'kov, 1961. 15 pp; (Ministry of Higher and Secondary Specialist Education Ukrainian SSR, Khar'kov Mining Inst); 200 copies; price not given; list of author's works on pp 14-15 (11 entries); (KL, 10-61 sup, 218)

RYZHENKOV, I.I.

Studying economic dependence in petroleum production.  
Nauch.-tekhn.sbor.podob.nefti. no. 4:102-105 '61. (MIRA 17:6)

BORISOV, P.A.; RYZHENKOV, I.I.

Determining the economic effectiveness of secondary oil recovery  
methods. Trudy Inst. geol. i razrab. gor. iskop. 2:194-199 '60.  
(MIRA 14:5)

(Secondary recovery of oil)

RYZHENKOV, I.I.

Method of determining the relative efficiency of capital investments in the oil-field industry in various regions. Nauch.-tekh, sbor. po dob. nefti no.13:100-108 '61. (MIRA 16:7)

1. Vsesoyuznyy neftegazovyy nauchno-issledovatel'skiy institut)  
(Oil fields---Production methods)

**BORISOV, Pavel Aref'yevich; RYZHENKOV, Ivan Ivanovich; SIROTINA, Yelena Yakovlevna; TKACHENKO, Oksana Vladimirovna; LATUKHINA, Ye.I., vedushchiy red.; MUKHINA, E.A., tekhn.red.**

[Economic efficiency of increasing the rate of petroleum production] Ekonomicheskaya effektivnost' intensifikatsii dobychi nefi. Moskva, Gos.nauchno-tekhn.izd-vo nefi. i gorno-toplivnoi lit-ry, 1960. 90 p. (MIRA 14:3)  
(Oil fields--Production methods)



RYZHENKO, I.M.; TOKAR', N.A.

Something can be learned from this. Avtom. telem. i svyaz' 8  
no. 3:29-30 Mr '64. (MIRA 17:5)

1. Starshiy inzh. sluzhby signalizatsii i svyazi Donetskoy dorogi (for Ryzhenko).
2. Glavnyy inzh. Krasnolimanskoy distantsii signalizatsii i svyazi (for Tokar').

ROZOV, S.V., prof.; RYZHENKO, I.M., kand. tekhn. nauk, retsenzent;  
GUROV, K.A., inzh., retsenzent; VYAZOVOY, M.I., inzh.,  
retsenzent; KOZLOV, A.P., red.-izd-va; GORDEYEVA, L.P.,  
tekhn. red.

[Course in mechanical drawing] Kurs chercheniia. izd.ispr.  
Moskva, Mashgiz, 1963. 319 p. (MIRA 17:1)

RYZHENKO, Ivan Maksimovich, kand. tekhn. nauk, dots.; NEVYAZHSKIY, Ya.I., prof., retsenzent; BRILING, R.S., kand. tekhn. nauk, retsenzent; GULYAYEV, P.V., kand. tekhn. nauk, dots., retsenzent; NIKOLAYEVSKIY, G.K., kand. tekhn. nauk, dots., retsenzent; SHEPEL'SKIY, P.F., dots., otv. red.; LOS', T.A., red.; SMILYANSKAYA, T.M., tekhn. red.

[Orthogonal and axonometric sketching] Ortogonal'noe i aksonometricheskoe eskizirovanie. Khar'kov, Izd-vo Khar'kovskogo univ., 1960. 118 p. (MIRA 15:10)

(Mechanical drawing)

RYZHENKO, I.M.

YANUSHEVSKIY, Sergey Konstantinovich; RYZHENKO, I.M., dotsent, retsenzent;  
LEUTA, V.I., inzhener, redaktor; RUDENSKIY, Ya.V., tekhnicheskii  
redaktor

[Mechanical drawing] Tekhnicheskoe risovanie. Kiev, Gos.nauchno-  
tekhn.izd-vo mashinostroit.lit-ry, 1957. 71 p. (MLRA 10:8)  
(Mechanical drawing)

14 (5)

SOV/21-59-6-13/27

AUTHOR: Ryzhenko, I. O. (Ryzhenko, I.A.)

TITLE: Ventilation Stream Parameters Characterizing the Removal of Dust from Mine Workings of a Square Cross Section

PERIODICAL: Dopovidi Akademii Nauk Ukrain's'koi RSR, 1959, Nr 6, pp 628 - 632 (USSR)

ABSTRACT: This work presents the results of experimental studies in turbulence of air flow in a pipe of square cross section. An analytical expression is presented for an air velocity required to remove the dust from mine workings of square cross sections. Proceeding from the conclusions on this matter set forth in the works by V. N. Voronin [Ref. 1] and by Yu. G. Zakharov and Ye. M. Minskiy [Ref. 2] (and condemning the latter, by the way, as an inadequate study), the author conducted a study of subject matter in a wooden pipe of rectangular cross section (Figure 1) with the use of an electrothermo-anemometer constructed by the VEI imeni Lenin. Examinations of lengthwise pulsating velocities were made at three values of aerodynamic resistance

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SOV/21-59-6-13/27

Ventilation Stream Parameters Characterizing the Removal of Dust from  
Mine Workings of a Square Cross Section

coefficient  $\alpha = 4.2 \cdot 10^{-4} - 8.05 \cdot 10^{-4} - 10.3 \cdot 10^{-4}$  and  
Reynold's numbers  $Re = 90,000 - 250,000$ , i.e. within the  
auto-model regime. Distribution of lengthwise pulsating  
speeds of mean square value is shown by graphs in Figures  
2 - 3 and 4, for  $\alpha = 4.2 \cdot 10^{-4}$ ,  $\alpha = 8.05 \cdot 10^{-4}$  and  $\alpha = 10.3 \cdot 10^{-4}$   
respectively, where  $\sqrt{\overline{u'^2}}$

is lengthwise complex pulsating velocity,  $\frac{r}{H}$  is relative  
distance from flow axis,  $V_0$  is average velocity at flow  
axis. Beginning with the correlation

$$\frac{\sqrt{\overline{u'^2}}}{V_*} = k = f(\alpha) \quad (1)$$

where  $V_*$  is a cross section velocity at the wall and  $k = 1.36$   
(from a table on page 631), the author by a series of sub-  
stitutions has arrived at the final expressions:  
d (size of coal dust)

SOV/21-59-6-13/27

Ventilation Stream Parameters Characterizing the Removal of Dust from  
Mine Workings of a Square Cross Section

$$d = \sqrt[3]{\left(\frac{V_c \sqrt{\alpha_1}}{1.13 \gamma}\right)^4} \quad (11)$$

where  $\gamma$  is the specific weight of coal dust particles in grams/cm<sup>3</sup>,  $V_c$  is average speed of air flow in the pipe, in m/sec.,  $\alpha_1$  is aerodynamic resistance coefficient in ten thousandth.

$$V_c \geq \frac{0.78 \gamma_1}{\sqrt{\alpha_1}} \quad (12)$$

At  $V_c = 8$  m/sec,  $\alpha = 0.0004 \div 0.0020$  coal dust particles of  $d = 30 - 60 \mu$  can not settle down under their weight, but will be carried out and away.

There are 3 graphs, 1 table, 1 set of drawings and 7 Soviet references.

Card 3/4

SOV/21-59-6-13/27

Ventilation Stream Parameters Characterizing the Removal of Dust from  
Mine Workings of a Square Cross Section

ASSOCIATION: Kiyevskiy politekhnicheskii institut (Kiyev Polytechnical  
Institute)

PRESENTED: By A. N. Shcherban', Member, AS UkrSSR

SUBMITTED: February 10, 1959

Card 4/4



RYZHENKO, Ivan Yakovlevich; KOSTIN, V.P., red.

[Development of rural electrification in the U.S.S.R.]  
Razvitie sel'skoi elektrifikatsii SSSR. Moskva, Eko-  
nomika, 1965. 231 p. (MIRA 18:7)

RYZHENKO, I.

Constructive work of production innovators. Mias. ind. SSSR 28 no.6:  
4-5 '57. (MIRA 11:1)

1. Ministr USSR. 2. Gosplan USSR.  
(Ukraine--Meat industry)

1. RYZHENKO, L.
2. USSR (600)
4. Meat Industry
7. Tasks of the meat industry during 1953. Mias. ind. 24, No. 1, 1953.

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

VASIN, A.D., starshiy nauchnyy sotrudnik; RYZHENKOV, L.I., veterinarnyy vrach; KHARLAMOV, K.M.

Comparative evaluation of pregnant mare's serum and "gonadostimulin."  
Veterinariia 41 no.11:78-81 N '64. (MIRA 18:11)

1. Gosudarstvennyy nauchno-kontrol'nyy institut veterinarnykh preparatov Ministerstva sel'skogo khozyaystva SSSR (for Vasin).
2. Glavnyy zootekhnik sovkhoza "Ramenskoye", Moskovskoy oblasti (for Kharlamov).

L 16174-66 EWT(m)/EWP(j)/T WW/JW/WE/RM

ACC NR: AP5025348

SOURCE CODE: UR/0366/65/001/010/1868/1871

AUTHOR: Chegolya, A. S.; Smirnova, N. S.; Zhizdyuk, B. I.; Ryshenko, I. M.;  
Golub, G. I.; Ponomarev, A. A.

ORG: Saratov State University im. N. G. Chernyshev (Saratovskiy gosudarstvennyy universitet)

TITLE: Hydrogenation of aromatic amines on ruthenium catalysts

SOURCE: Zhurnal organicheskoy khimii, v. 1, no. 10, 1965, 1868-1871

TOPIC TAGS: hydrogenation, aromatic nitro compound, primary aromatic amine, catalysis, aniline, ruthenium

ABSTRACT: Aniline and m- and p-phenylenediamine (I) were hydrogenated in liquid phase on Ru catalysts at 100-170C to give cyclohexane analogs. All of the Ru catalysts tested gave satisfactory results, however, the rate of hydrogenation decreased in the order  $RuO_2 > Ru-C > Ru-silica$  gel. The presence of an additional

Card 1/2

UDC: 542.541 : 547.551/3 : 546.96

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ACC NR: AP5025348

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amino or nitro group on the aromatic ring slowed down the reaction. Hydrogenation of I at 80 atm. H. pressure occurred faster in polar solvents (H<sub>2</sub>O, MeOH) than in solvents of lower polarity (EtOH, PrOH, n-amyl alcohol, or dioxane). In a typical experiment, the catalyst was placed in a rotating autoclave, the aromatic amine added in a 3-10-fold amount of solvent, the autoclave pressurized with electrolytic H to 110 atm. and heated in an electric oven. After the H absorption was finished, the catalyst was filtered off, the solvent eliminated, and the residue distilled in vacuo. The hydrogenation of I is highly stereospecific and yields almost exclusively trans-1,4-diaminocyclohexane. Orig. art. has: 2 figures and 1 table.

SUB CODE: 07 / SUBM DATE: 09Nov64 / ORIG REF: 007 / COTH REF: 005

Card 2/2

gc

**SMIRNOV, V.I.; RYZHENKO, L.M.**

Formation and distribution of mercury deposits. *Zakoneb. razm. polezn. iskop.* 1:289-301 '58. (MIRA 12:3)

1. Moskovskiy gosudarstvennyy universitet im. Lomonosova i Vsesoyuznyy gosudarstvennyy fond Ministerstva geologii i okhrany neдр SSSR.  
(Mercury ores)

KYZHENKO, L.M.

3(5) PHASE I BOOK EXPLOITATION 807/1923

Akademiya nauk SSSR. Otdeleniye geologo-geograficheskikh nauk. Komissiya po probleme "Zakonmernosti razmeshcheniya poleznykh iskopayemykh."

Zakonmernosti razmeshcheniya poleznykh iskopayemykh (Regularities in the Distribution of Mineral Deposits Vol 1. Moscow, Izd-vo AN SSSR, 1950. 332 p. Mirata slip insertad. 3,500 copies printed.

Resp. Ed.: N.S. Shatskiy, Academician; Editorial Board: N.S. Shatskiy, Academician, D.I. Elcherbakov, Academician, M.A. Belyayevskiy, N.W. Dolgopolov, G.D. Levitskiy, Yu.M. Pushcharovskiy, G.A. Somolev; Ed. of Publishing House: G.I. Mosov; Tech. Ed.: I.M. Guseva

PURPOSE: This book is intended for geologists and petrographers, particularly those interested in the worldwide distribution of minerals and the reasons underlying their occurrence.

COVERAGE: On the basis of particular regional studies this book attempts to establish the rules governing the distribution of metallic and non-metallic ore deposits. The work includes articles on the metallogeny of individual minerals, on broad methodological problems, and on the possibility of predicting the occurrence of a mineral in the USSR on the basis of its occurrence throughout the world. Six maps depicting the distribution of a particular mineral throughout the world are included with the work. References accompany each article.

TABLE OF CONTENTS

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Pinus, G.V., and V.A. Kuznetsov. Regularities in the Geologic Structure and the Metallogeny of the Altay-Sayan Hyperbasal Formation	275
Saifov, V.I., and L.M. Kyzhenko. Some Features in the Formation and Distribution of Mercury Deposits	289
Kuznetsov, V.A. Regularities in the Formation and Spatial Distribution of Mercury Deposits in the Altay-Sayan Folded Area	302
Bogatskiy, V.V. Regularities in the Distribution of Titanium Concentrations and its Metallogenetic Characteristics as Observed in the Krasnoyarskiy Krai	315



IL'CHENKO, S.G., otv. red.; CHUKLIN, S.G., zam. otv. red.; RYZHENKO,  
L.P., red.; BADYL'KES, I.S., red.; ALEKSEYEV, V.P., red.;  
VEYNBERG, B.S., red.; GOGOLIN, A.A., red.; MEL'TSER, L.Z.,  
red.; ZHADAN, S.Z., red.; NAYER, V.A., red.; MINKUS, B.A.,  
red.; BARENBOYM, A.B., red.; NIKUL'SHINA, D.G., red.

[Transactions of the Conference on the Outlook for the Development and Introduction of Refrigerating Equipment into the National Economy of the U.S.S.R.] Trudy Konferentsii po perspektivam razvitiia i vnedreniia kholodil'noi tekhniki v narodnoe khoziaistvo SSSR. Moskva, Gostorgizdat, 1963. 262 p.

(MIRA 18:3)

1. Konferentsiya po perspektivam razvitiya i vnedreniya kholodil'noy tekhniki v narodnoye khozaystvo SSSR. Odessa, 1962.
2. Odesskiy tekhnologicheskii institut pishchevoy i kholodnoy promyshlennosti (for Minkus, Barenboym, Chuklin, Nikul'shina, Zhadan).
3. Vsesoyuznyy nauchno-issledovatel'skiy institut kholodil'noy promyshlennosti (for Gogolin, Badyl'kes).

RYZHENKO, L.P., inzh.

Refrigerating industry of the Ukrainian S.S.R. Khol. tekhn. 39  
no.5:1-3 S-0 '62. (MIRA 16:7)

1. Gosplan UkrSSR.  
(Ukraine—Refrigeration and refrigerating machinery)

ZOTOV, V.P.; SILUYANOV, V.G.; GUGINA, Ye.F.; AUERMAN, L.Ya.; ALEKHINA, M.S.;  
BEZZUBOV, A.D.; BODROV, V.A.; BUDNYI, A.V.; BURTSEV, Ye.L.;  
VAYNSHTEYN, V.O.; GAVRILOV, A.N.; GORBATOV, V.M.; GRITSENKO, N.N.;  
DOLGUSHEVA, L.I.; YEDYGENOV, K.Ye.; ZHURAVLEVA, S.S.; ZACHESKIN,  
Ya.A.; IVKIN, A.P.; IZOTOV, A.K.; IL'INSKIY, N.A.; IRINARKHOVA,  
A.M.; KARPENKO, A.K.; LYSOGOR, P.M.; LUPISH, A.T.; OLEYNIKOV, V.V.;  
ORANZHEREYEVA, V.F.; PETROV, N.A.; PYATIBRATOV, M.A.; ROMANOV,  
A.N.; RAUBE, P.V.; RYZHENKO, L.P.; SEMYKIN, A.A.; SHEFER, A.P.

G.IA.Ivanov; obituary. NTO 4 no.10:39 0 '62. (MIRA 15:9)  
(Ivanov, Georgii Iakovlevich, 1897-1962)

**RYZHENKO, M.I., kandidat biologicheskikh nauk.**

**New objectives of pond fish culture. Trudy sov. ikht. kom.  
no. 2:71-76 '53. (MLRA 7:7)**

**1. Vserossiyskiy nauchno-issledovatel'skiy institut prudo-  
vogo rybnogo khozyaystva - VNIPRKh.  
(Fish culture)**

1. RYZHENKO, M. I.
2. USSR (600)
4. Pneumatics
7. Using pneumatics in catching fish. Ryb. khoz. 29, No. 1, 1953.

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

"The Biological Foundations of Herring Fisheries in the North Atlantic."

report presented at the All-Union Conference on Biological Foundations of Ocean Fishing, 11-16 April 1958, by Ichthyological Committee of AS USSR, VNIRO, and Inst. of Oceanography, AS USSR.  
(Vest. AN SSSR, 1958, No. 7, pp. 131-133)

AKHMEROV, A.Kh., kand.biol.nauk; BATENKO, A.I., kand.sel'skokhoz.nauk;  
BRUDASTOVA, M.A., kand.tekhn.nauk; GOLOVINSKAYA, K.A., kand.biolog.  
nauk; GORDON, L.M., kand.ekon.nauk; DOROKHOV, S.M., rybovod-biolog;  
YEROKHINA, L.V., rybovod-biolog; IL'IN, V.M., rybovod-biolog;  
ISAYEV, A.I., rybovod-biolog; KADZEVICH, G.V., rybovod-biolog;  
KOMAROVA, I.V., kand.biol.nauk; KRIMOVA, R.V., rybovod-biolog;  
KULAKOVA, A.M., rybovod-biolog; MAMONTOVA, L.N., kand.biol.nauk;  
MEYSNER, Ye.V., kand.biol.nauk; MIKHEYEV, P.V., kand.biol.nauk;  
MUKHINA, R.I., kand.biol.nauk; PAKHOMOV, S.P., kand.biol.nauk;  
SUKHOVERKHOV, F.M., kand.biol.nauk; SOKOLOVA, Z.P., rybovod-bio-  
log; TSIUNCHIK, R.I., rybovod-biolog; RYZHENKO, M.I., red.; KOSOVA,  
O.N., red.; SOKOLOVA, L.A., tekhn.red.

[Handbook on pond fish culture] Spravochnik po prudovomu rybovodstvu.  
Red.kolleghia: A.I.Isaev i dr. Moskva, Pishchepromizdat, 1959. 374 p.  
(MIRA 13:4)

1. Moscow. Vserossiyskiy nauchno-issledovatel'skiy institut prudo-  
vogo rybnogo khozyaystva.  
(Fish culture)

RY ZHUKO, M.I.

Biological prerequisites and techniques of fishing for herring  
with variable-depth trawls in the North Atlantic. Trudy sov.  
Ikht. kom. no.10:239-242 '60. (MIRA 13:10)

1. Vserossiyskiy nauchno-issledovatel'skiy institut prudovogo  
rybnogo khozyaystva-(VNIPRKh). (Trawls and trawling)  
(Atlantic Ocean--Herring fisheries)



S/169/62/000/009/097/120  
D228/D307

AUTHORS: Ryzhenko, M. I., Sokolov, O. A., Zolotov, S. V. and  
Khromov, N. S.

TITLE: 7th scientific-research voyage of the submarine  
'Severyanka'

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 9, 1962, 3, ab-  
stract 9V19 (Okeanologiya, 1, no. 6, 1961, 1094-1096)

TEXT: The voyage took place on December 1-31, 1960, in the Sea  
of Norway, principally in herring fishing areas. The Scientific-  
Research Ship 5 'Professor Mesyatsev' was used for the expedition.  
The voyage took place under unfavorable conditions, but was, on  
the whole, fruitful. Ichthyologic observations (on the behavior  
of herring, when cine-surveying was applied) were carried out, as  
were observations on the plankton distribution, the performance  
of a pelagic trawl, and the underwater visibility of colored nets  
at depths of 7 and 25 m under conditions of twilight illumination.  
/\_Abstracter's note: Complete translation.\_/ ✓

Card 1/1

Urgent problems in the over-all mechanization of metallurgical processes. Mekh.i avtom.proizv. 14 no.9:3-5 S '60.

(MIRA 13:9)

(Metallurgical plants--Technological innovations)

RYZHENKO, N. A.

137-58-1-662

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 1, p 103 (USSR)

AUTHOR: Ryzhenko, N. A.

TITLE: The Organization of Repair of Rolling Shop Equipment (Organizatsiya remonta oborudovaniya prokatnykh tsekhov)

PERIODICAL: Tr nauchno-tekhn. o-va chernoy metallurgii, 1956, Vol 10, pp 238-243

ABSTRACT: At the Magnitogorsk Integrated Iron and Steel Works a centralized system for the performance of all types of repairs of iron and steel equipment has been adopted. The machine tools and forge equipment of the shops of the departmental units have been consolidated to establish a joint machine shop and repair teams. The rolling-mill unit shop has 68 machine tools; its personnel consists of 117 machinists and 127 repair mechanics. This system of organization has made possible a more complete and better performance of current repairs and major overhaul, and also the concentration of repair personnel with strict specialization, under which the same machinists have been repairing the same units for 10-15 years. The Chief Mechanic's Department, in cooperation with the shop chiefs

Card 1/2

137-58-1-662

### The Organization of Repair of Rolling Shop Equipment

and mechanics compiles a graph at the end of the current year, showing down time of the rolling mills for repair during the year to come. This graph sets the dates on which mills will be stopped and the length of time that will be necessary for repair. This annual graph is used for monthly planning of repair schedules. Systematic execution of the measures listed has led to an increase in the number of hours of productive operation of rolling mills by increasing the length of time between repairs and by reducing the duration of repairs and of shutdowns due to failure in mechanical equipment.

B. Ye.

#### 1. Rolling mills--Maintenance

Card 2/2

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520008-1  
Mechanics, Pribluzhorsk Metallurgical Combine.)  
SHEKHTER, S. Ya.; MAL'TSEV, N. A.; PODGAYETSKIY, V. V.; PORHODNYA, I. K.,  
SUBBOTOVSKIY, V. P. and CORELOV, V. P.

"Experience in the Introduction of Mechanized Surfacing in Metallurgy."  
p. 115.

Vnedreniye novykh sposobov svarki v promyshlennost'; sbornik statey, vyp 3.  
(Introduction of New Welding Methods in Industry; Coll. of Articles, v. 3)  
Kiev, Gos. Izd-vo tekhn. lit-ry Ukr SSR, 1960, 207pp

(sponsoring Agency: Inst. Electro Welding im Ye. O. Paton, AS Ukr SSR)

The articles deal with the combined experiences of the Inst. Electric  
Welding im. Ye. O. Paton and several industrial enterprises in solving scientific  
and engineering problems in welding technology. Problems in the application of  
new methods of mechanized welding and electroslag welding in industry are discussed.  
This is the third collection of articles published under the same title.  
The foreward was written by B. Ye. Paton, Acad. of the Acad. Sci. Ukr SSR

S/118/60/000/009/002/009  
A161/A026

AUTHOR: Ryzhenko, N.A., Engineer

TITLE: Arising Problems of Complex Mechanization in Metallurgical Industry

PERIODICAL: Mekhanizatsiya i avtomatizatsiya proizvodstva, 1960, No. 9, pp. 3 -5

TEXT: The present state of mechanization in the Soviet metallurgical industry is discussed and some comparisons are made with the U.S. mechanization level. Though the capacity of skip hoists, charge distributors, slag ladles, exceeds the American, some equipment that is now common in the U.S. is not yet available in the USSR, e.g. one only experimental ore-neutralizing machine has been produced at the Yuzhno-Ural'skiy metallurgicheskiy zavod (South-Ural Metallurgical Plant); no coke shaker screens for blast furnaces are existing. The U.S. iron ladles have 160 ton maximum capacity comparing with 100 ton of Soviet. The blast furnaces built after the war are highly mechanized, but of the 100 to 175 men only 20 - 25 are working at the furnace, all others are unloading the charge materials, loading the furnace, removing slag, transporting iron, etc.; 39 - 50 men are occupied with repair in various spots. In open-hearth furnace foundries the automation level of auxiliary work is higher in the U.S. In USSR

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S/118/60/000/009/002/009  
A161/A026

### Arising Problems of Complex Mechanization in Metallurgical Industry

steel foundries the following work is still manual: lining of ladles and spouts, cleaning of ingot stools for siphon teeming; replacing of furnace lining; chipping of ingots (at special steel plants). The automatic instrumentation of the open-hearth furnaces proper is high-level, but not all other work in the foundry. Of 117 men, only 20 - 25 are at the furnace. New equipment has yet to be developed for new blast furnaces with 2,000 and 2,700 m<sup>3</sup> capacity; the UZTM-made filling devices have short life, one had to be replaced after only 8.5 months operation on a blast furnace at Chelyabinskiy metallurgicheskiy zavod (Chelyabinsk Metallurgical Plant) and the furnace had to be stopped. It is planned to use all-welded steel ladles with mechanical control of stoppers and automatic control of teeming speed and weight of metal filled into ingot molds; continuous teeming will be used more, first in the steel foundries already working. Equipment must be developed for mechanical replacement of tuyeres (because of higher weight); an electric stopper is needed for slag tap, a tapping machine, and other. Machines are necessary for the transportation of liquid iron in the foundry yard and for processing slag for construction materials, for fully-mechanized iron teeming, for cooling and transporting into railroad cars, for removing dust out of exhausters; scales are needed of RR type with automatic recording, ingot trolleys for

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A161/A026

### Arising Problems of Complex Mechanization in Metallurgical Industry

up to 25-ton ingots, etc. The existing equipment must be modernized. Short life of equipment is a problem - for instance the charging machines last one year only at some plants, while the lining in the furnace lasts for three years. If the institutes together with machine plants will not manage to produce in the nearest future a more wear-resistant charging machine, over 150 such machines will have to be produced annually at a cost of over 100 million roubles; hot-blast valves are being replaced every 3 - 6 months, and if this will not change, more than 1,000 such valves will have to be made annually after 1965, and a furnace will have to be stopped for 2 - 4 hours to replace one. Service life of ingot mold trollies, steel teeming ladles and slag bowls is very low. At the blast furnaces No. 5 and 6 of the Magnitogorskiy kombinat (Magnitogorsk Combine), gears and bearings went loose in the skip winches and the furnaces had to be stopped; this resulted in a loss of 3 - 5 thousand tons of output for each furnace (the winches are made by Uralsmashzavod). The drums in teeming cranes are wrongly fastened, the quality of running wheels is low, the visibility out of the crane operator's cab not good, the balancers are poorly made. The consumption of spare parts is such that on the average 10 kg of spare parts are used per 1 ton of ready rolled metal, which means that the iron plants will need about 2 million

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S/118/60/000/009/002/009  
A161/A026

### Arising Problems of Complex Mechanization in Metallurgical Industry

tons of spare parts a year, and their cost is high if they are produced by the piece in repair shops, and will reach an annual total of 10 billion roubles for all plants of the Soviet Union, if the situation will not change. Apart from rapid wear of spares, cranes of same types produced at different plants are completely different in design and this means different spare parts. One example of the situation is the open-hearth foundry of the MMK, where four 125-ton teeming cranes are of SKMZ, NKMZ, Sibtyazhmash and DEMAG make. Six of the nine 280-ton teeming cranes at MMK are produced at different USSR plants, and they have different wheels, shafts and gears, not to mention cranes of foreign make. Same is the situation at the Kuznetskiy metallurgicheskiy kombinat (Kuznetsk Metallurgical Combine), Zaporozhstal' and other plants.

RYZHENKO, S.P.; ZUBAROVSKIY, N.I., inzh.

Electric transportation of containers with freight documents. Avtom.,  
telem. i sviaz' 7 no.8:27-29 Ag '63. (MIRA 16:9)

1. Starshiy inzh. Byuro po delam ratsionalizatsii i izobretatel'stva  
Uzgorodskogo otdeleniya L'vovskoy dorogi (for Ryzhenko).
2. Byuro po delam ratsionalizatsii i izobretatel'stva Uzgorodskogo  
otdeleniya L'vovskoy dorogi (for Zubarovskiy).  
(Railroads—Equipment and supplies)

RYZHENKOV, V.I., inzh.

Laying of permanent haulageways in sections of crosscuts of galleries. Shakht. stroi. 7 no.7:13-14 J1 '63. (MIRA 16:10)

1. Glavnyy marksheyder Dzhezkazganskogo shakhtostroyupravleniya No.1.

66327  
SOV/162-59-1-27/27

~~9 (2, 3)~~ 9,4000

AUTHORS: Goncharskiy, L.A., Ryzhenko, V.I.

TITLE: One Type of Ionic-Mechanical Accelerometer Tube

PERIODICAL: Nauchnyye doklady vysshey shkoly, Radiotekhnika i elektronika, 1959, Nr 1, pp 226-231

ABSTRACT: The authors developed a new ionic accelerometer tube, distinguished by a high voltage sensitivity. The accelerometer tube was based on the TKh3B cold cathode thyatron. Basic parts and the manufacturing technology of the TKh3B tube were used for the accelerometer tube, which was built in several versions. The principal design of the accelerometer tube is shown in Fig 1. A nickel anode of 4x4 or 5x5 mm (depending on the version) is suspended by a tungsten spring between two plane molybdenum cathodes. Provisions were made to prevent an envelope discharge of the cathodes. The rectangular nickel anode has a thickness of 0.2 mm for the 5x5 mm version. It is mounted on a tungsten wire of 0.15 mm diameter and 15 mm length. The natural oscillation

Card 1/3

zheleznodo-  
Correspondence Institu-

RYZHENKOV, V. I., inzh.

Establishing control point network in underground mine surveying  
in Dzhezkazgan. Shakht.strol. 9 no.5:17 My '65.

(MIRA 18:6)

1. Dzhezkazganskoye shakhtostroitel'noye upravleniye.

ZHAROVSKIY, F. G.; RYZHENKO, V. L.

Solubility of hydroxyquinolates in organic solvents and the optical properties of solutions. Part 1: Magnesium hydroxyquinolate. Ukr. khim. zhur. 28 no.3:306-309 '62.  
(MIRA 15:10)

1. Kiyevskiy gosudarstvennyy universitet im. T. G. Shevchenko.

(Quinolinol) (Solvents) (Magnesium—Analysis)

**RYZHENKOV, A.A.; CHUDANOV, I.A.**

We are increasing the production of grain. Zemledelie 26 no.7:13-15  
JI '64. (MIRA 18:7)

1. Glavnyy agronom sovkhoza imeni Frunze Bol'sheglushitskogo proizvod-  
stvennogo upravleniya, Kuybyshevskoy oblasti (for Ryzhenkov). 2. Kinel'skaya  
gosudarstvennaya selektsionnaya stantsiya (for Chudanov).

ALEKSANDROV, K.S.; BELIKOVA, G.S.; RYZHENKOV, A.P.; TESLENKO, V.R.;  
KITAYGORODSKIY, A.I.

Elastic constants of molecular crystals. Elastic constant of  
naphthalene. Kristallografiia 8 no.2:221-224, Mr-Ap '63.

(MIRA 17:8)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.



S/070/63/008/002/004/017  
E021/E120

AUTHORS: Aleksandrov K.S., Belikova G.S., Ryzhenkov A.P.,  
Teslenko V.R., and Kitaygorodskiy A.I.

TITLE: Elastic constants of molecular crystals,  
Elastic constants of naphthalene

PERIODICAL: Kristallografiya, v.8, no.2, 1963, 221-224

TEXT: A study of the elastic constants is the main method of investigating the laws of interaction of molecules, a knowledge of which is necessary for constructing a theory of the properties of organic crystals. Coarse crystals of naphthalene grown from the melt and annealed for three days were studied. The orientation of the crystals was found by X-ray measurements. Measurements of the rate of propagation of elastic waves in the crystal were carried out using ultrasonic apparatus at frequencies of 1.7 and 5.0 megacycles. The waves were propagated in six different directions:

[001], [110], [010], [101], [100] and [011].

The rates of propagation in three directions at right angles were measured in each case. From the results the moduli of elasticity  
Card 1/2

Elastic constants of molecular ...

S/070/63/008/002/004/017  
E021/E120

were measured, e.g. the volume compressibility is equal to  $20 \times 10^{-6} \text{ cm}^2/\text{kg}$ . It was shown that the results obtained experimentally agreed with theoretical values calculated by the method of A.I. Kitaygorodskiy (Dokl. AN SSSR, v.137, 1, 1961, 116) and A.I. Kitaygorodskiy and K.V. Mirskaya (Kristallografiya, v.6, 3, 1961, 406).  
There is 1 table.

ASSOCIATION: Institut elementoorganicheskikh soyedineniy AN SSSR  
(Institute of Elemental Organic Compounds, AS USSR)

SUBMITTED: August 25, 1962

Card 2/2

RYZHENKOV, G., lesnichiy

For efficient utilization of forest grasslands. Nauka i pered. op v  
sel'khoz. 9 no.6:28-29 Je '59. (MIRA 12:9)  
(Ryazan Province--Pastures and meadows)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520008-1  
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520008-1"

SOKOLOV, S.Ye. (Smolensk); RYZHENKOV, G.G., Inzh. (Smolensk)

New developments in the maintenance of bridges. Put' i put. khoz.  
8 no.10:20 '64. (MIRA 17:12)

LOSEV, M.; RYZHENKOV, I.

Methodology for planning labor productivity in petroleum extraction  
according to factors involved. *Biul. nauch. inform.: trud i zar.*  
plata 5 no.4:3-8 '62. (MIRA 16:1)  
(Oil reservoir engineering--Labor productivity)

RYZHENKOV, I.

"Economic efficiency of the hydraulic fracturing method"  
by V.A. Bugrov. Neft. khoz. 38 no.6:70-71 Je '60.  
(MIRA 13:7)  
(Bashkiria--Oil wells--Hydraulic fracturing)

LOSEV, Mikhail Timofeyevich; RYZHENKOV, Ivan Ivanovich; KURILKIN,  
Leonid Romanovich; KOLEMASOVA, Irina Maksimovna;  
TIKHONOVA, Lyudmila Nikolayevna; LATUKHINA, Ye. I., ved.  
red.; POLOSINA, A.S., tekhn. red.

[Labor productivity in petroleum production] Proizvoditel'-  
nost' truda v dobyche nefi. Moskva, Gostoptekhizdat,  
1963. 152 p. (MIRA 16:10)  
(Petroleum production--Labor productivity)

RYZHENKOV, I.I.; LOSEV, M.T.; KOLEMASOVA, I.M.; KURILKIN, L.R.;  
TIKHONOVA, L.N.

Basic factors in the growth of labor productivity in petroleum  
production of the Soviet Union. Trudy VNI no.39:187-199 '63.  
(MIRA 17:10)

Effect of the production organization and working conditions  
on labor productivity in petroleum production. Ibid.:200-213



RYZHENKOV, I.I.; KURILKIN, L.R.; KOLEMASOVA, I.M.; LOSLEV, M.T.; ROMANOV, V.V.

Fundamentals of the efficient organization and control of petroleum  
production. Nauch.-tekh. sbor. po 'ob. nefti no.25:147-149 '64.  
(MIRA 17:12)

1. Vsesoyuznyy neftegazovyy nauchno-issledovatel'skiy institut.

BORISOV, P.A.; RYZHENKOV, I.I.

Economic efficiency of accelerating oil recovery by hydraulic  
fracturing of strata and hydrochloric acid treatment of wells,  
Trudy Inst.nefti 11:333-337 '58. (MIRA 11:12)  
(Oil wells--Hydraulic fracturing) (Hydrochloric acid)

RYZHENKOV, I. I.

with Borisov, P. A. "Economic Practicability of Intensifying Crude Oil Recovery by Hydraulic Fracturing of a Formation and Treatment of Oil Wells with Hydrochloric Acid"

Transactions of the Petroleum Institute, Acad. Sci. USSR, v. 11, Oil Field Industry, Moscow, Izd-vo AN SSSR, 1958. 346pp.

~~RYZHENKOV, I. I.~~

Methods for determining the effectiveness of treating oil wells  
with hydrochloric acid. Neft. khoz. 35 no. 5:41-42 My '57.  
(Hydrochloric acid) (MLRA 10:6)  
(Petroleum engineering)

RYZHENKOV, I.I.

Determination of the specific captial investments in petroleum  
production. Neft. khoz. 40 no.4:10-13 Ap '62. (MIRA 15:5)  
(Petroluem industry--Finance)

RYZHENKOV

RYZHENKOV, I. I.

Systematic exploitation of oil fields. *Neft.khoz.* 33 no.7:18-20  
J1'55. (Oil fields) (MIRA 8:10)

Ryzhenkov, I. I.

93-5-10/19

AUTHORS: Ryzhenkov, I. I.

TITLE: Methods of Determining the Effectiveness of Treating Wells With Hydrochloric Acid (O metodike opredeleniya effektivnosti solyanokislotnoy obrabotki skvazhin)

PERIODICAL: Neftyanoye Khozyaystvo, 1957, Nr 5, pp. 41-42 (USSR)

ABSTRACT: Present methods of determining the effectiveness of hydrochloric-acid treatment of wells are deficient in certain respects. The evaluation of the effectiveness is limited usually to an analysis of two factors, namely - the increase in oil production and the cost of treatments. Frequently in calculating the production increase no consideration is given to the rate of change in oil recovery or to the remaining effect of past treatments. A proper analysis of the effectiveness of hydrochloric acid treatments should take into account a totality of technological and economic factors, including the additional recovery of oil, operating efficiency and the degree to which basic equipment is used. The exclusion of less important factors and a comparison of various kinds of treatments performed at wells having equal

Card 1/3

93-5-10/19

Methods of Determining the Effectiveness of Treating Wells (Cont.)

production records and similar geological characteristics at the bottom of the hole are very important in determining the comparative effectiveness of various technological schemes. In determining the cost of additional oil obtained as a result of acid treatment, the cost of electric power, compressed air, break-down of emulsion, and the pumping of the additional oil should be taken into account, in addition to the cost of the acid treatment itself. The effect of the treatment can be found by comparing the cost of oil produced by wells which were treated with acid with the cost of oil from wells not stimulated by acid treatment. Such methods make it possible to determine the effect of hydrochloric treatments on economic indices of oilfield exploitation, to find out the comparative effectiveness of various technological schemes and the basic factors determining the effectiveness of treatments. An analysis of test results obtained at Ishimbayneft', Kinel'neft', and Molotovneft' oil fields showed that the effectiveness of treatment is closely connected with the wide use of surface-active chemicals of the "DS" type, developed by the Petroleum Institute of the AN SSSR. The most important technological and

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93-5-10/19

Methods of Determining the Effectiveness of Treating Wells (Cont.)

economic changes due to the hydrochloric acid treatment of wells for the years 1948-1954 are given (in percentages) in the table. The total savings in these three regions amounted to 80,000,000 rubles. Some of the factors which could lower the cost of oil production are the shortening of the duration of the acid treatment itself, a more thorough preparation of wells and equipment. In conclusion the author mentions the fact that acid fluids could be used in hydraulic fracturing, which would combine the mechanical and chemical action on the formation, increasing thereby the output of oil. One Table.

AVAILABLE: Library of Congress.

Card 3/3



RYZHENKOV, I.I.

Economic evaluation of new petroleum production techniques taking  
into consideration the cost changes in various fields. Nauch.-tekh.  
sbor. po dob. nefiti no.24:141-145 '64. (MIRA 17:10)

I. Vsesoyuznyy neftegazovyy nauchno-issledovatel'skiy institut.

~~SHEREMET, Anatoliy Danilovich; RYZHENKOV, Kons antin Ivanovich;  
TUBOL'TSEV, M., red.; SHLYK, M., Tekhn. red.~~

[How to analyse the work of your enterprise] Kak analizirovat'  
rabotu svoego predpriatiia. Moskva, Mosk. rabochii, 1962.  
58 p.

(Industrial management)

(MIRA 16:8)

1.1500

S/123/61/000/015/029/032  
A004/A101

AUTHORS: Kolchin, I. F., Ryzhenkov, V. V.

TITLE: Manufacturing high-precision large-size steel castings using chemically solidifying mixtures

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 15, 1961, 16, abstract 15G112 (V sb. "Tochnost' otlivok". Moscow, Mashgiz, 1960, 153-159)

TEXT: The authors give an account of the production practice of the foundry shop of the "Sibtyazhmash" Plant in the manufacture of large-size steel precision castings weighing from 500 kg to 25-30 tons, using chemically solidifying mixtures. Some particular examples are presented which characterize the efficiency of using these mixtures to increase the finish and accuracy and improve the casting quality. There are 4 figures.

[Abstracter's note: Complete translation]

ROMANKOVA, M.P.; RIZHENKOV, V.Ye.

Uropepsin content in the urine and 17-hydroxycorticosteroid  
content in the blood plasma in thoracic surgery. Vest. khir.  
93 no.11:43-48 N '64. (MIRA 18:6)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - prof. V.I.  
Kolesov) 1-go Leningradskogo meditsinskogo instituta imeni Pavlova  
i otdela farmakologii (zav. - prof. S.V. Anichkov) Instituta  
eksperimental'noy meditsiny AMN SSSR.

RYZHENKOV, V.Ye.; STASHKOV, A.M.

Course of radiation sickness with special consideration to the stimulating action of radioprotective agents on the pituitary-adrenal system. Med. rad. 9 no.2:26-50 D '64.

(MIRA 18:12)

1. Otdel farmakologii (zav. - prof. S.V.Anichkov) i  
Laboratoriya radiobiologii (zav. - doktor med.nauk P.I.  
Lomonos) Instituta eksperimental'noy meditsiny, Leningrad.

Functional and morphological changes in the hypothalamus-  
hypophysis system under the effect of the neurotropic drug  
ethylnorantifeine. Biul. eksp. biol. i med. 59 no.4:64-66  
Ap '65.

(MIRA 18:5)

1. Otdel farmakologii (zav. - deystvitel'nyy chlen AMN SSSR  
prof. S.V. Anichkov) Instituta eksperimental'noy meditsiny  
(dir. - deystvitel'nyy chlen AMN SSSR prof. D.A. Biryukov)  
AMN SSSR, Leningrad.



SIRYACHENKO, E.I.; RYZHENKOV, V.Ye.

Some glycoconicoid~~III~~ properties of echinatic, meristotropic and  
maceuonic acids. mast.res. 1 no.3:376 '65. (MIRA 18:10)

1. Institut eksperimental'noy meditsiny AMN SSSR, Leningrad.

RYZHENKOV, V.Ye.

Introduction of substances into cerebral arteries of dogs in a  
chronic experiment. Fiziol.zhur. 51 no.3:400-402 Mr '65.

(MIRA 7815)

1. Otdel farmakologii Instituta eksperimental'noy meditsiny AMN  
SSSR, Leningrad.

RYZHENKOV, Yegor Vasil'yevich-[Ryzhankou, IA.]; FEL'GIN, M. [Fel'hin, M.],  
red.; SLAVYANIN, I., tekhn.red.

[Production cost and the price of collective-farm products]  
Sabekosht i tsena kalhasnai produktsyi. Minsk, Dzierzh.vyd-va  
BSSR, Red.satsyial'na-eken.lit-ry, 1960. 65 p.

(MIRA 14:2)

(White Russia--Collective farms--Economic aspects)

RYZHENKO, L.

Need for a better assortment and quality improvement of sausage  
products. Mas.ind. SSSR 34 no.3:13-18 '63. (MIRA 16:7)

1. Gosplan UkrSSR.

RYZHENKOV, L.I.; NIKOLAYEV, F.N.

Treatment of gynecological diseases of cows. Veterinariia 36  
no.3:36 Mr '59. (MIRA 12:4)

1. Glavnyy vetvrach Ramenskogo rayona, Moskovskaya oblast' (for Ryzhenkov).
  2. Glavnyy vetvrach Bronnitskogo rayona, Moskovskaya oblast' (for Nikolayev).
- (Cows--Diseases)

"Ultra-~~xxx~~ violet irradiation of animals and poultry in industrial conditions."

Veterinariya, Vol. 37, No. 2, 1960, p. 67

MELYUKOV, A. N., VNIIZH, RYZHENKOV, L. I., Glavnyy veterinarnyy vrach  
CHERNYAK, Z. V., Glavnyy zootekhnik Lyuberetskogo rayon, Moskovskoy oblasti

**RYZHENKOV, I.I.**

Use of antibiotics in stockbreeding. Veterinariia 35 no.11:  
48-50 N '58. (MIRA 11:11)

1. Glavnyy vetvrach Ramenskogo rayona, Moskovskoy oblasti.  
(Antibiotics) (Feeding and feeding stuffs)

RYZHENKOV, L.I.

The power of socialist competition. Veterinaria 35 no.4:17-26  
Ap '58. (MIRA 11:3)

1. Glavnyy vetvrach Ramenskogo rayona, Moskovskoy oblasti.  
(Stock and stockbreeding)



RYZHENKOV, L.I.

Organization of artificial insemination of cattle. Veterinariia 34  
no.2:58-60 F '57. (MLRA 10:11)

1. Glavnyy veterinarnyy vrach Ramenskogo rayona, Moskovskoy oblasti.  
(Artificial insemination)

**RYZHENKOV, L.I.**, glavnyy veterinarnyy vrach Ramenskogo rayna, Moskovskoy oblasti.

Eliminating sterility in cows. Veterinariia 33 no.5:12-16 My '56.  
(Cows) (Sterility in animals) (MLRA 9:8)

**RYZHENKOV, L.I., glavnyy veterinarnyy vrach rayona.**

**Veterinary service in Ramenskoye District, Moscow Province. Veterinaria  
33 no.7:15-19 J1 '56. (MIRA 9:9)  
(Ramenskoye District--Veterinary medicine)**



L 56083-65 EWG(j)/ENT(m)

ACCESSION NR: AP5018574

UR/0241/64/009/012/0046/0050

AUTHOR: Ryzhenkov, V. Ye.; Stashkov, A. M.

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TITLE: Course of radiation sickness against a background of the stimulating action of radioprotective substances on the hypophysis-adrenal system

SOURCE: Meditsinskaya radiologiya, v. 9, no. 12, 1964, 46-50

TOPIC TAGS: radiation sickness, radiation protection, experiment animal, endocrinology, gland

ABSTRACT: The object of the experiments reported was to determine the effect of a number of radioprotective substances on the hypophysis-adrenal cortex system, and to establish the connection between this effect and the protective action of the preparations. Nonbred dogs weighing 16-21 kilograms were used in the experiments. The preparations tested were cystamine administered in doses of 50 milligrams per kilogram body weight; unithiol in doses of 50 milligrams per kilogram body weight; allylnoranti-pheine in doses of 15 milligrams per kilogram body weight; phenatine in

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ACCESSION NR: AP5018574

doses of 5 milligrams per kilogram body weight. Cystamine and unithiol were administered intraperitoneally, allylnorantipheine, subcutaneously, and phenatine, intravenously. Within one to 1.5 hours after the administration of the preparations to the animals, a significant increase in the concentration of 17-Oxycorticosteroids was noted in the peripheral blood plasma and symptoms of a eosipenic reaction developed. This indicates an increase in the functional activity of the hypophysis-adrenal cortex system. The data obtained indicates the positive role which the neuro-endocrine influences plays in the mechanisms of the pharmacological protection of the organism from radiation affections.

Orig. art. has: 2 tables.

ASSOCIATION: Otdel farmakologii Instituta eksperimental'noy meditsiny, Leningrad (Pharmacology Department, Institute of Experimental Medicine); Laboratoriya radiobiologii Instituta eksperimental'noy meditsiny, Leningrad (Radiobiology Laboratory, Institute of Experimental Medicine)

SUBMITTED: 29Jan64

ENCL: 000

SUB CODE: LS

NR REF SOV: 005

OTHER: 004

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Card 2/2

PHASE I BOOK EXPLOITATION SOV/5304

Soyezhchaniye po teorii liteynykh protsessov. 5th, 1959  
Technost: otliovok; trudy sovedchaniya (Accuracy of Castings; Trans-  
actions of the Fifth Conference on the Theory of Founding Proce-  
es) Moscow, Mashgiz, 1960. 206 p. 3,500 copies printed.

Sponsoring Agency: Akademiya nauk SSSR, Institut mashinovedeniya.  
Komissiya po tekhnologii mashinostroyeniya.

Zh. (title page): B. B. Gulyayev, Doctor of Technical Sciences,  
Professor; Ed. of Publishing House: G. N. Soboleva; Vech. Ed.:  
A. P. Uvarova; Managing Ed. for Literature on Hot-Processed  
Metals: S. Ya. Golovin, Engineer.

PURPOSE: This book is intended for scientific and technical person-  
nel at scientific research institutes, factories, and schools of  
higher education.

COVERAGE: The book contains 19 reports read at a conference on the  
accuracy of castings. The conference was organized by the  
Committee on Processing in Machine Building and sponsored by the  
Institut mashinovedeniya AN SSSR (Institute of the Science of  
Machines of the Academy of Sciences USSR). The reports, pre-  
sented by leading specialists, science workers, and production  
personnel, discuss the present state of the problem of the accu-  
racy of castings and methods of solving the problems involved.  
There are 58 references, mostly Soviet.

Korarcv, L. Ye. [Engineer]. Distortion of Sand Molds  
Zhukovskiy, S. S. [Engineer], and Ya Tsuan-chin [Engineer].  
Dimensional Errors of Castings Caused by Patterns and Flasks 125

Dubrovskiy, A. M. [Engineer]. Effect of Thermal Distortion  
of the Molding Mixture on the Accuracy of Castings 131  
The work of investigating the distortions and thermal stress  
in the molding mixtures was carried out under the supervi-  
sion of P. P. Berg.

Fomchenko, S. I. [Engineer], and B. B. Gulyayev. Production  
of Precision Castings in Shell Molds Fused from a Waterglass  
Mixture 146

Kolchin, I. P. [Engineer], and V. Y. Ryzhenkov [Engineer].  
Production of Large Precision Steel Castings by Using Chemi-  
cally Hardening Mixtures 153

Rubtsov, N. N. [Doctor of Technical Sciences, Professor], and  
V. B. Zolotarev [Engineer]. Dimensional Accuracy of Investment  
Castings 160

Gorunov, I. I. [Candidate of Technical Sciences]. Dimen-  
sional Accuracy and Surface Roughness of Castings Obtained  
by Various Methods  
O. A. Katsy, Ye. Danilov, A. I. Belyayev, and Engi-  
neer V. B. Shal'man participated in making castings. 180

Makel'skiy, M. F. [Engineer], and B. B. Gulyayev. Formation  
of the Contours of Castings in Die Casting 193

Kolesnichenko, A. G. [Engineer]. Accuracy of Castings Ob-  
tained in Metal Molds 203

SOV/128-59-11-6/24

AUTHORS: Kolchin, I.F. and Ryzhenkov, V.V., Engineers

TITLE: Improving Quality of Steel Castings

PERIODICAL: Liteynoye proizvodstvo, 1959, Nr 11, pp 12-14 (USSR)

ABSTRACT: When casting steel, the Plant "Sibtyazhmash" uses a paste made of chromite against the formation of crust. The chrome ore originates from the Kimpersayskoye deposit; its contents are given in Table on page 12. The fire-proof covering in the form of a paste is placed on the surface of the mold; the paste composition is 86-89% chromite, 2% dextrine and 9-12% fodder molasses. A sprayer is used for surfacing with paste. Since 1955, mixtures with liquid glass and the blowing of molds with carbon dioxide have been used at the plant. At present, over 70% of cores are fashioned from mixtures containing liquid glass. The molds are blown through a hollow model provided with outlet gas channels (Figs 1 and 2). The blowing lasts 2-5 minutes; carbon dioxide consumption is 15-18 kg per ton of castings. The

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SOV/128-59-11-6/24

### Improving Quality of Steel Castings

author describes several types of pulleys manufactured for overhead cranes. All these pulleys are produced with the application of progressive methods mentioned above. There are 1 table, 7 diagrams and 5 photographs.

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RYZHENCOV, V. V. and KOLCHIN, I. F.

"An Investigation of the Quality of Castings with the Utilization of  
Various Moulding Materials and Coatings"

report presented at the 7th Conference on the Interaction of the Casting Mould  
and the Casting, sponsored by the Inst. of Mechanical Engineering, Acad. Sci.  
USSR, 25-28 January 1961.

LYUBIMOV, V. Ye.; SPASHKOV, A. M.; KORYKOV, V. P.

Hypothalamic reactions after mercapine and antihypertensive  
administration and irradiation. Radiobiologia 3 no.5:116-121  
1963. (MIRA 1964)

1. Institut eksperimental'noy meditsiny SSSR, Leningrad.

GRUCHISHKIN, I.I.; RYZHENKOV, V.Ye.

Emetic effect of amorphine, morphine and aconitine in various  
types of administration. Farm. i toks. 26 no.5:578-584 S-0 '63.  
(MIRA 17:8)

1. Otdel farmakologii (zav. - deystvitel'nyy chlen AMN SSSR  
prof. S.V. Saichkov) Instituta eksperimental'noy meditsiny  
AMN SSSR.