

YASHIN, I.V., inzh.; ANDREYEV, V.M., prof., otv.red.; RYZHIK, Z.M., inzh.;  
FREGER, D.P., tekhn.red.

[Use of control gages in the assembly and welding of metal structures] Primenenie kontrol'no-izmeritel'nogo instrumenta pri sborke i svarke metallokonstruktsii; opyt zavoda. Leningrad, 1952. 5 p. (Informatsionno-tekhnicheskii listok, no.55(396)).  
(MIRA 14:6)

1. Leningradskiy Dom nauchno-tekhnicheskoy propagandy. 2. Leningradskiy Dom nauchno-tekhnicheskoy propagandy (for Ryzhik).  
(Measuring instruments)

PERLIS, I.L., inzh.; ANDREYEV, V.M., prof., otv.red.; RYZHIK, Z.M.,  
inzh., red.; NADEZHINA, A.M., tekhn.red.

[Butt welding of short joints by means of the ADSh-500 automatic consumable wire arc-welding machine: from research by the MPS Bridge Research Institute] Svarka stykovykh soedinenii nebol'shoi protiazhennosti shlangovym avtomatom ADSh-500; iz opyta Nauchno-issledovatel'skogo instituta mostov MPS. Leningrad, 1952. 7 p. (Informatsionno-tekhnicheskii listok, no.42 (383)).

(MIRA 14:6)

1. Leningradskiy Dom nauchno-tekhnicheskoy propagandy.  
(Structural frames—Welding)

ARTEMOV, L.I., inzh.; RAZDUY, F.I., inzh.; ANDREYEV, V.M., prof., otv.red.;  
RYZHIK, Z.M., inzh., red.; FREGER, D.P., tekhn.ed.

[Mechanization of a process for coating electrodes by a method  
which involves immersion] Mekhanizatsia protsessa pokrytiia  
elektrodov sposobom okunaniia; opyt zavoda. Leningrad, 1952.  
9 p. (Informatsionno-tekhnicheskii listok, no.35 (376)).

(MIRA 14:7)

1. Leningradskiy Dom nauchno-tekhnicheskoy propagandy.  
(Electrodes) (Welding—Equipment and supplies)

KONTOROV, B.M., inzh., laureat Stalinskoy premii; ANDREYEV, V.M., prof.,  
otv.red.; RYZHIK, Z.M., inzh., red.; FREGER, D.P., tekhn.red.

[Electric-arc hard facing with T-590 and T-620 electrodes of parts  
subject to heavy wear; from practices of hydroelectric and heat power  
stations] Elektrodugovaia naplavka bystroiznashivaiushchikhsia  
detalei elektrodami T-590 i T-620; iz opyta GES i TETs. Leningrad,  
1952. 11 p. (Informatsionno-tekhnikheskii listok, no.1 (342)).

(MIRA 14:6)

1. Leningradskiy Dom nauchno-tekhnikheskoy propagandy. 2. Lenin-  
gradskiy Dom nauchno-tekhnikheskoy propagandy (for Ryzhik).

(Hard facing)

1. RYZHIK, Z. M., Eng.
2. USSR (600)
4. Solder and Soldering
7. Flux developed by the Leningrad Technological Institute. Avtog. delo. 23, No. 10, 1952.

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

**RYZHNIK, Z.M.**

www.nsa.gov

**Exhibit devoted to the automatic and semi-automatic welding with  
flux. Avtom.svar.6 no.3:73-74 My-Je '53. (MLRA 7:5)  
(Electric welding--Exhibitions)**

RYZHIK, Z.M., inzhener.

Experience of Stakhanovite-welders I.G.Chernov and V.I.Kuranov. Vest.mash.  
33 no.10:84-85 0 '53. (MIRA 6:10)  
(Welding) (Chernov, I.G.) (Kuranov, V.I.)

PETROV, G.A., kand.tekhn.nauk, dotsent; DEMYANTSEVICH, V.P., kand.tekhn.nauk, dotsent; RYZHIK, Z.M., inzh., red.; ANDREYEV, V.M., prof., otv.red.; GVIRTS, V.L., tekhn.red.

[Harmless LPI-2 flux for automatic and semiautomatic welding]  
Bezvrednyi flius LPI-2 dlia avtomaticheskoi i poluavtomaticheskoi svarki. Leningrad, 1954. 5 p. (Informatsionno-tekhnicheskii listok, no.12 (585)).

(MIRA 14:6)

1. Leningradskiy Dom nauchno-tekhnicheskoy propagandy. 2. Leningradskiy Dom nauchno-tekhnicheskoy propagandy (for Ryzhik).  
(Electric welding--Hygienic aspects)  
(Flux (Metallurgy))



USSR/Scientific Organization - Conference

Card 1/1 : Pub. 128 - 31/33

Authors : Ryzhik, Z. M.

Title : ~~Conference on the cold welding of cast iron~~  
Conference on the cold welding of cast iron

Periodical : Vest. mash. 9, 96-97, Sep 1954

Abstract : A scientific conference was held in Dec. 1953, in Leningrad, by the Leningrad House of Scientific-Technical Propaganda, and the Technical Division of Scientific Research, on problems pertaining to the cold welding of cast iron in repair work. Abstracts of lectures presented by various personnel in attendance are given.

Institution : .....

Submitted : .....

Ryzhnik

USSR/Miscellaneous - Scientific conferences

Card 1/1 Pub. 128 - 27/32

Authors : Ryzhnik, Z. M.

Title : Conference on the exchange of scientific and industrial experiments in the field of metal soldering

Periodical : Vest. mash. 11, 95-96, Nov 1954

Abstract : The Leningrad Scientific Technical Propaganda Institute, in cooperation with the Leningrad Branch of the Scientific Research Institute of Welders, organized and conducted a conference in March 1954 to consolidate and exchange experiments dealing with methods for soldering metals.

Institution : ...

Submitted : ...

[Automotive built-up welding of steel structure compressed surfaces using powdered metal wire] Avtomaticheskaya naplavka poroshkovoy provolokoi uplotnitel'nykh poverkhnostei stal'noi armatury. Leningrad, 1955. 8 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Informatsionno-tekhnicheskii listok, no.33(721)) (MIRA 10:12)

(Electric welding)

[Improving the technological process of automatic welding of T-joints] Uovershenstvovanie tekhnologicheskogo protsessa avtomaticheskoi svarki tavrovyykh soedinenii. Leningrad, 1955. 9 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Informatsionno-tekhnicheskii listok, no.34(722)) (MIRA 10:12)  
(Electric welding)

Ryzhik  
APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R001446520010-8

APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R001446520010-8

KERNER, M.S., inzhener; RYZHIK, Z.M., inzh., red.; GVIRTS, V.L., tekhn.red.

[Semiautomatic welding with electric iron pins] Poluavtomaticheskaja  
svarka elektrozaklepkami. Leningrad, 1955. 13 p. (Leningradskii dom  
nauchno-tekhnicheskoi propagandy. Informatsionno-tekhnicheskii  
listok, no.94(782)) (MIRA 10:12)

(Electric welding)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520010-8  
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520010-8  
KERNER, M.S.; RYZHIK, Z.M., red.; GVIRTS, V.L., tekhn.red.

[Semiautomatic electric arc welding of bars to sheet steel structures using flux disks] Poluavtomaticheskaja elektrodugovaja privarka sterzhnei k listovym stal'nym konstruktsiiam s primeneniem flusovykh shaib. Leningrad, 1955. 14 p. (Leningradskii dom nauchno-tekhnikheskoi propagandy. Informatsionno-tekhnikheskii listok, no.21(689)) (MIRA 10:12)

(Electric welding)

APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R001446520010-8

APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R001446520010-8

NEKRASOV, B.M., inzhener; GLEBOV, L.V., inzhener; RYZHIK, Z.M., red.;  
FREGER, D.P., tekhn.red.

[Spot welding of steel reinforcement rods] Tekhnologiya tochechnoi  
svarki peresekaiushchikhsia sterzhnei armaturnoi stali. Leningrad,  
1955. 15 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy.  
Informatsionno-tekhnicheskii listok, no.72(760)) (MIRA 10:12)  
(Steel--Welding) (Reinforced concrete)

RY  
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520010-8  
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520010-8  
NEKRASOV, B.M., inzhener; GLEBOV, I.V., inzhener; KOZHEV, Z.M., red.;  
FREGER, D.P., tekhn.red.

[Spot welding of steel reinforcement rods] Tekhnologiya tochechnoi  
svarki peresekaiushchikhsia sterzhnei armaturnoi stali. Leningrad,  
1955. 15 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy.  
Informatsionno-tekhnicheskii listok, no.15(63)) (MIRA 10:12)  
(Steel--Welding) (Reinforced concrete)



**RYZHIK, Z.M., inzhener; PAZYUK, Ye.I., inzhener, redaktor; SOKOLOVA,  
L.V., tekhnicheskii redaktor**

[Copper-phosphorous solder for welding] Paika mednofosforistymi  
pripoiami. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-  
ry, 1955. 22 p. (MIRA 8:7)

(Solder and soldering)

KOLENDA, Boris Germanovich, inzh.; RYZHIK, Z.M., inzh., red.; KUBNEVA,  
M.M., tekhn.red.

[New method of controlling the quality of welds by electro-  
magnetic flaw detectors] Novyi metod kontrolya kachestva  
svarnykh shvov elektromagnitnym defektoskopom. Leningrad,  
1959. 16 p. (Leningradskii dom nauchno-tehnicheskoi pro-  
pagandy. Obmen peredovym opytom. Seriya: Svarka i paika  
metallov, vyp.2) (MIRA 13:3)  
(Welding--Testing) (Magnetic testing)

BENUA, Fedor Frantsevich, kand.tekhn.nauk; RYZHIK, Z.M., inzh., red.;  
KUBNEVA, M.M., tekhn.red.

[Automatic built-up welding along a spiral line of cylindrical steel products] Avtomaticheskaya naplavka po vintovoi linii stal'nykh tsilindricheskikh izdelii. Leningrad, 1959. 24 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen pere-dovym opytom. Seriya: Svarka i paika metallov, vyp.3; Bazovaya nauchno-issledovatel'skaya laboratoriya svarki MRF (LIIVT). Seriya 2: Issledovaniia i proizvodstvennyi opyt, vyp.1).

(MIRA 13:3)

(Electric welding)

(Cylinders--Welding)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520010-8  
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520010-8  
CHERNIAKOV, Fedor Andreyevich, inzh.; ~~REDACTED~~; FREGER, D.P.,  
red. izd-va; KUBNEVA, M.M., tekhn. red.

[Argon-tungsten arc cutting of aluminum alloy sheet in thicknesses up to and including 50 mm.] Argon-dugovaya rezka vol'framovym elektrodom aluminievyykh splavov tolshchiny do 50 mm vkluchitel'no. Leningrad, 1960. (Leningradskii Dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Svarka i paika metallov, no.9) (MIRA 14:8)  
(Electric metal cutting) (Plates, Aluminium)

BEL'CHUK, Georgiy Aleksandrovich, kand. tekhn. nauk; RYZHIK, Z.M., red.; FRE-  
GER, D.P., red. izd-va; BELOGUROVA, I.A., tekhn. red.

[Technological features of the argon arc welding of aluminum and its alloys with steel; verbatim report of a lecture, delivered at the Leningrad House of Scientific and Technical Propaganda in a city seminar on metal welding] Tekhnologiya argono-dugovoi svarki aliuminiia i ego splavov so stal'iu; stenogramma lektsii, pročitannoi v LDNTP na obshche-gorodskom seminare po svarke metallov: Leningrad, 1961. 15 p. (Leningradskii Dom nauchno-tekhnicheskoi propagandy. Seria: Svarka i paika metallov, no.5) (MIRA 14:7)

(Electric welding)

ISKOZ, Boris Borisovich, inzh.; RYZHIK, Z.M., inzh., red.; FREGER, D.P., red.  
izd-va; BELOGUROVA, I.A., tekhn. red.

[Welding objects of titanium and its alloys] Svarka izdelii iz titana i  
ego splavov. Leningrad, 1961. 19 p. (Leningradskii Dom nauchno-  
tekhnicheskoi propagandy. Obmen peredovym opytom. Seria: Svarka i paika  
metallov, no.3) (MIRA 14:7)

(Titanium--Welding)

ZAKS, Iosif Aronovich, inzh.; RYZHIK, Z.M., red.; FREGER, D.P., red. izd-va; GVIRTS,  
V.L., tekhn. red.

[Arc welding of nickel] Elektrodugovaia svarka nikelia. Leningrad,  
1961. 21 p. (Leningradskii Dom nauchno-tekhnicheskoi propagandy. Ob-  
men peredovym opytom. Seriya: Svarka i paika metallov, no.2) (MIRA 14:7)  
(Nickel--Welding)

FRUMIN, Semen Romanovich, kand. tekhn. nauk; BLOKH, Rashil' L'vovna, inzh.;  
BLAGOVESHCHENSKAYA, Valentina Vladimirovna, inzh.; RYZHIN, Z.M., inzh.  
red.; SHILLING, V.A., red. izd-va; GWIRTS, V.L., tekhn. red.

[Ceramic fluxes for automatic and semiautomatic welding of low-carbon steel] Keramicheskie fliusy dlia avtomaticheskoi i poluavtomaticheskoi svarki nizekouglerodistoi stali. Leningrad, 1961. 23 p. Leningradskii Dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seria: Svarka i paika metallov, no.4) (MIRA 14:7)  
(Steel—Welding)



GAMZAYEV, Yuriy Dzagangirovich, inzh.; RYZHIK, Z.M., red.; GVIRTS, V.L.,  
red.izd-va

[Ways of reducing deformations in thin-sheet light-alloy structures during argon-arc welding; industrial equipment] Puti umen'shenia deformatsii tonkolistnykh konstruksii iz legkikh splavov pri argonodugovoi svarke; tekhnologicheskaya osnastka. Leningrad, 1961. 31 p. (Leningradskii Dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Svarka i paika metallov, no.6) (MIRA 14:9)

(Light metals—Welding)  
(Electric welding—Equipment and supplies)

SHAPIRO, I.S., inzh.; RYZHIK, Z.M., red.; FOMICHEV, A.G., red. izd-  
va; BOL'SHAKOV, V.A., tekhn. red.

[Arc-air machining and cutting of metals with alternating cur-  
rent] Vozdushno-dugovaia strozhka i rezka metallov peremennym  
tokom. Leningrad, 1962. 13 p. (Leningradskii dom nauchno-  
tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya:  
Svarka i rezka metallov, no.1) (MIRA 15:5)  
(Electric metal cutting)

GABERTSETTEL', A.I.; KREL'SHTEYN, L.M.; NEV, S.B.; RAYNES, L.S.;  
RYZHIK, Z.M., red.; FOMICHEV, A.G., red. izd-va; GVIRTS, V.L.,  
tekhn. red.

[Preparing rods for welding electrodes by the rolling of high-  
alloy steel and nonferrous metals] Poluchenie sterzhnei dlia  
svarochnykh elektrodov prokatkoi iz vysokolegirovannykh stalei  
i tsvetnykh metallov. Leningrad, 1962. 15 p. (Leningradskii dom  
nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya:  
Svarka i paika metallov, no.2) (MIRA 15:5)  
(Electrodes) (Rolling (Metalwork))

PAS', Anatoliy Ivanovich; CHULKOV, Vyacheslav Nikolayevich; RYZHIK,  
Z.M., red.; FREGER, D.P., red. izd-va; GVIRTS, V.L., tekhn.  
red.

[Welding of aluminum-magnesium alloys in an argon-shielded  
atmosphere over a layer of flux] Svarka aluminievo-magnievyykh  
splavov v srede argona i po sloiu fliusa. Leningrad, 1962.  
19 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Ob-  
men передовым opytom. Seriya: Svarka i paika, no.7)

(MIRA 15:10)

(Aluminum-magnesium alloys--Welding)  
(Protective atmospheres)

POMAZANOV, Ivan Nesterovich; TIKHOMIROV, Petr Leonidovich; RYZHIK,  
Z.M., red.; FREGER, D.P., red. izd-va; BELOGUROVA, I.A.,  
tekh. red.

[Electric soldering guns with internal heater] Elektropa-  
ial'niki s vnutrennim nagrevatelem. Leningrad, 1962. 23 p.  
(Leningradskii dom nauchno-tehnicheskoi propagandy. Obmen  
peredovym opytom. Serii Svarka i paika, no.4)

(MIRA 15:10)

(Solder and soldering--Equipment and supplies)

KSENDZYK, Georgiy Vasil'yevich, kand. tekhn. nauk; RYZHIK, Z.M.,  
red.; GRIGOR'YEVA, I.S., red. izd-va; BELOGUROVA, I.A., tekhn.  
red.

[Mechanized built-up welding under flux of a layer of chilled  
cast iron by a cast-iron ribbon electrode] Mekhanizirovannaia  
elektrodugovaia naplavka pod fliusom dloia otbeennogo chugu-  
na chugunnoi elektrodnoi lentoi. Leningrad, 1962. 25 p.  
(Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen pe-  
redovym opytom. Seria: Svarka i paika metallov, no.8)  
(MIRA 15:9)

(Electric welding) (Hard facing)

SAFONNIKOV, Anatoliy Nikolayevich, inzh.; RYZHIK, Z.M., inzh., red.;  
VASIL'YEV, Yu.A., red.izd-va; BOL'SHAKOV, V.A., tekhn. red.

[Electric slag welding with lamellar electrodes of corrosion-,  
scale-, and heat-resistant chromium-nickel steels and alloys]  
Elektroshlakovaia svarka plastinchatym elektrodom korrozion-  
nostoikikh, okalinostoikikh i zharoprochnykh khromonikelevykh  
stalei i splavov. Leningrad, 1962. 36 p. (Leningradskii dom  
nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom.  
Seriia: Svarka i paika metallov, no.9) (MIRA 15:11)  
(Chromium-nickel steel--Welding)  
(Steel, Stainless--Welding)

DUDINA, Nadezhda Aleksandrovna; RYZHIK, Z.M., red.; FOMICHEV, A.G.,  
red. izd-va; BELOGUROVA, I.A., tekhn. red.

[Methods of welding nickel and some of its alloys] Sposoby  
svarki nikelia i nekotorykh ego splavov; stenogramma lektsii.  
Leningrad, 1962. 44 p. (MIRA 15:3)  
(Nickel--Welding)



ESEMBERLIN, Ravnak Yesenberlinovich; ZAKS, I.A., inzh., retsenzent;  
RYZHIK, Z.N., inzh., red.; DENINA, I.A., red. izd-va;  
BARDINA, A.A., tekhn. red.

[Brazing metals in furnaces with a gaseous atmosphere] Paika  
metallov v pechakh s gazovoi sredoi. Izd.2., dop. i perer.  
Moskva, Mashgiz, 1962. 127 p. (MIRA 15:9)  
(Brazing) (Protective atmospheres)

**USSR/Parasitology**

**Card 1/1**

**Authors** : Ryshikov, K. M. and Dizer, Yu. B.

**Title** : Regarding the biology of larval forms of *Macracantherhynchus*  
*catulinus* and *Medionhynchus Micracanthus* ("skrebni")

**Periodical** : Dokl. AN SSSR, 95, 6, 1367 - 1369, 21 Apr 54

**Abstract** : The Helminthological Laboratory of the Acad. of Scs. of the USSR sent an expedition into the Kara-Kum desert to study invertebrates. The expedition mainly investigated bugs (Tenebrionidae) among which are the larval parasites mentioned in the title. The article gives a detailed description of these larvae including their anatomically morphological structure. Picture diagrams are included.

**Institution** : Helminthological Laboratory of the Acad. of Scs. of the USSR

**Submitted** : 17 Feb 54

RYZHIKH, A.F., dotsent

Lumbosacral plexus in the horse and its interrelations with the  
sympathetic trunk, Uch.zap. KVI 85:43-51'62. (MIRA 16:7)

1. Iz kafedry anatomii zhiivotnykh (zav.prof.Vasnetsov, N.A.  
[deceased]) Kazanskogo veterinarnogo instituta.  
(NERVES, SPINAL) (HORSES---ANATOMY)

RYZHIKH, A.F., dotsent

Morphology of the lumbosacral plexus in cattle. Uch.zap.  
KVI 85:52-60 '62 (MIRA 16:7)

1. Iz kafedry anatomii zhivotnykh (zav. -prof. N.A.Vasnetzov  
[deceased]) Kazanskogo veterinarnogo instituta.  
(NERVES, SPINAL) (CATTLE-ANATOMY)

MURAT, V.N.; MIKHAYLOV, N.V.; RYZHIKH, A.F.

In memoriam Nikolai Alekseevich Vasnetsov. Arkh. anat. gist. i embr.  
42 no.1:127-128 Ja '62. (MIRA 15:4)  
(VASNETSOV, NIKOLAI ALEKSEEVICH, 1901-1961)

USSR/Medicine - Roentgen Rays  
Medicine - Immunity

Feb 1947

"Experimental Research on the Action of X-Rays in Infectious Inflammation," Prof A. N. Ryzhikh, 4½ pp

"Arkhiv Patologii" Vol IX, No 1

A bacteriological method is developed by the author which makes it possible to produce a quantitative hypothesis on the displacement and biological immunizing reaction of inflamed tissue by use of x-rays. X-rays do not have a prophylactic significance in the development of the inflammation process. Radiation applied for 6 to 12 hours after inoculation by microbes in the skin of an animal causes an increase in the bactericidal property of the inflamed tissue.

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RYZHNIK

APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R001446520010-8

PA 34/49T25

USSR/Medicine - Roentgenology, Teaching Jun 48  
Medicine - Roentgenography, Diagnosis

"The Problem of Methods Employed in Pneumoradiography," Prof A. N. Ryzhikh, G. I. Dvoyris, Hosp imeni Oktyabrskoy Revolyutsii, Affiliate of Cen Sci Res Inst for Roentgenol and Radiolimeni V. M. Molotov, 3½ pp

"Khirurgiya" No 6

Describes a new pneumoradiographic technique, with three photographs.

34/40T25  
zh/hotos

RYZHNIK, A. N., Prof

USSR/Medicine - Local Anesthesia      May 49  
Medicine - Neurotropism

"A. V. Vishnevskiy's Local Anesthesia and Nerve  
Tropism," Prof A. N. Ryzhikh, Moscow, 9 pp

"Khirurgiya" No 5

Reviews part of the career of A. V. Vishnevskiy,  
who died 13 Nov 48. Devoted work to local anes-  
thesia and neurotropism. Discusses five of the  
more important principles formulated by Vishnevskiy,  
and explains the therapeutic action of novocain.  
block in inflammatory diseases and myodystonia.

63/49T68



36440 Epitelia-l'nyye khody kopchikovoy oblasti kak prichina nagnoitel'nykh protsessov. Khirurgiya, 1949, No. 11, S. 54-61, Bibliogr: 7 Nazv

RYZHIKH, A. M. I BITMAN, M. I.

SO: Letopis' Zhurnal'nykh Statey, No. 49, 1949

Paraproktit (Paraproctitis.) A. N. Ryzhikh i M. B. Markan. Moskva, Medgiz, 1951.  
191 n. illus.

Bibliography at end.

Cataloged from abstract.

On paraproctic (abscesses and fistulae on the rectum and its surrounding cellular tissues) with an account of new methods of treatment.

M/5  
644.66  
.R9

VISHNEVSKIY, A.A.; RYZHIKH, A.N.

Pavlov's therapeutic sleep and novocaine nerves block method of  
pathogenic therapy. Klin.med., Moskva 29 no.4:3-10 Apr 1951.  
(CJML 20:9)

1. Moscow.

VISHNEVSKIY, A.A.; RYZHIKH, A.N.

Protective inhibition (therapeutic sleep) according to Pavlov and to  
Vishnevskii's hypothesis on weak stimulation of the nervous system.  
Vest. khir. 71 no.2:67-68 1951. (CML 20:8)

Ryzhikh, A. N.

"Paraproctitis; abscesses and fistulas of the rectum and of the cellular tissue with the exposition of new therapeutic methods." Khirurgia No. 5, 1952.

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

**RYZHIKH, A.N.**, professor; **CHERNAVSKIY, V.A.**, redaktor; **KARTSEVA, K.K.**,  
tekhnicheskiy redaktor

[Panaritium and its therapy on the basis of A.V.Vishnevskii's  
methods] Panaritsii i ego lechenie na osnove metodov A.V.Vish-  
nevskogo. Izd. 2-e, perer. i dop. Moskva, Gos. izd-vo med. lit-ry,  
1953. 161 p. [Microfilm] (MLRA 7:10)  
(Felon (Disease))

PETROV, B.A., professor, predsedatel'; DOROZEV, V.I., sekretar'; MLYNCHIK, V.E.; KAZANSKIY, V.I., professor; BANILEV, A.N., professor; LEVIT, V.S., professor; PETROVSKIY, B.V., professor; PECHATNIKOVA, E.A.; SOLOV'YEV, A.Ye., professor; MAKHOV, N.I., dotsnet; YELANSKIY, N.N. professor; PLOTKIN, F.M., professor; VISHNEVSKIY, A.A., professor; VETCHINKIN, Yu.M.; GUREVICH, N.I., professor; OSIPOV, B.K., professor; TIKHONOVA, N.A.; RY-ZHIKH, A.N., professor; RUDYAVSKIY, B.A.; TERNOVSKIY, S.D., professor.

Minutes of the session of the Surgical Society of Moscow and Moscow Province of October 10, 1952. Khirurgiia no.4:92-95 Ap '53. (MLRA 6:6)

1. Khirurgicheskoye obshchestvo Moskvy i Moskovskoy Oblast'.  
(Esophagus--Surgery) (Esophagus--Cancer) (Rectum--Diseases)

**RYZHIKH, A. N., professor; BOBKOVA, A. G.**

Surgical treatment of acute paraproctitis by a new method. Sov.  
med. 19 no.6:8-15 Je '55. (MLRA 8:9)

1. Iz khirurgicheskogo otdeleniya (zav.-prof. A.N. Ryzhikh)  
bol'nitsy No.18 imeni Oktyabr'skoy revolyutsii (glavnyy vrach  
M.I. Kannev)  
(RECTUM' diseases,  
paraproctitis, surg.)



**РЫЖИХ, А.Н.**

[Rectal surgery; principles of proctology] Khirurgia priamoi  
kiahki; osnovy proktologii. Moskva, Medgiz, 1956. 390 p.

(MIRA 9:7)

(RECTUM--SURGERY)

RYZHIKH, A.N.

"Surgery of Rectum," (Fundamentals of Proctology), 392 pp., Moskva,  
1956.

RYZHIKH, A.N., professor; BOBROVA, A.G.

Radical therapy of acute paraproctitis [with summary in English,  
p. 153]. Khirurgiia 33 no.2:72-79 F '57. (MLRA 10:6)

1. Iz proktologicheskogo otdeleniya Gosudarstvennogo onkologicheskogo instituta imeni P.A.Gertsena (dir. - prof. A.N.Novikov) i Moskovskoy bol'nitsy No.18 imeni Oktyabr'skoy revolyutsii (glavnyy vrach M.I.Kamnev).

(RECTUM, surg.

radical, indic. & technic in acute spraproctitis (Rus))

(ANUS, surg.

same)

**RYZHIKH, Aleksandr Naumovich, red.**

[Current problems in proctology; clinical aspects and treatment  
of diseases of the rectum] Aktual'nye voprosy proktologii;  
klinika i lechenie zabolevanii priamoj kishki. Ufa, Bashkirscoe  
knizhnoe izd-vo, 1959. 202 p. (MIRA 13:7)  
(RECTUM--DISEASES)

RYZHIKH, A.N., prof.

Hemorrhoid. Zdorov'e 5 no.4:22-23 Ap '59.  
(HEMORRHOIDS)

(MIRA 12:4)

RYZHIKH, A.N., prof.

Reply to Prof. A.N. Aminev's criticism of our operations.  
Eksp. khir. i anest. 6 no.5:61-63 S-0 '61. (MIRA 15:3)  
(SURGERY, OPERATIVE)  
(AMINEV, A.M.)

RYZHIKH, A.N., prof.

Ways of development, scientific and therapeutic problems of  
Soviet proctology. Akt. vop. prokt. no.2:5-17 '63 (MIRA 18:1)

RYZHIKH, A.N., prof.; RIVKIN, V.L., vrach

Acute paraproctitis. Zdorov'ie 7 no.8:22-23 Ag '61. (MIRA 14:9)  
(RECTUM—INFLAMMATION)



RYZHIKH, A.N., prof.; RIVKIN, V.L.

Local treatment of limited precancerous diseases and the  
initial forms of cancer of the rectum by resection of electro-  
coagulation. fkt. vop. prokt. no.2:179-189 '63 (MIRA 18:1)

RYZHNIK, A.N.; YUKHVIDOVA, Zh.M.

Further observations of conservative treatment of nonspecific  
ulcerative colitis. Eksper. khir. i anest. 9 no.3:47-48 My-Je  
'64. (MIRA 18:3)

1. Proktologicheskoye otdeleniye (zav. - prof. A.N. Ryzhikh)  
Onkologicheskogo instituta imeni Gertsena, Moskva.

PLINATUS, A.A.; RYZHIKH, A.V.

Give increased attention to the quality of production. Kozh.-obuv.  
prom. 7 no.3:5-7 Mr '65. (MIRA 18:10)

"Comparative Investigation of Fat Cells in Certain Vertebrates."  
Sub 29 Oct 51, Moscow State Pedagogical Inst imeni V. I. Lenin.

Dissertations presented for science and engineering degrees in  
Moscow during 1951.

SO: Sum. No. 480, 9 May 55

1. RYZHIKH, G.N.
2. USSR (600)
4. Cells
7. Origin of fat cells. Dokl. AN SSSR 84, no.3, 1952 Institut Morfologii Zhivotnykh im. A.N. Severtsova Akademii Nauk SSSR i Omskiy, Pedagogicheskiy Institut im. A.M. Gor'kogo. rcd. 11 Jan 1952.
9. Monthly List of Russian Accessions, Library of Congress, September 1952  
Unclassified.

**RYZHIKH, G.N.**

**Modification of certain cellular forms of the connective tissue and blood in general protein and vitamin deficiency in white rats. Doklady Akad. nauk SSSR 87 no. 6:1051-1054 21 Dec 1952. (GIML 23:5)**

**1. Presented by Academician A. I. Oparin 28 October 1952. 2. Institute of Animal Morphology imeni A. N. Severtsov of the Academy of Sciences USSR and Omsk Pedagogic Institute.**

COUNTRY : USSR B  
CATEGORY : General Biology.  
Individual Development. Embryonal Development.  
ABS. JOUR. : RZhBiol., No. 5, 1959, No. 19096  
AUTHOR : Ryzhikh, G. N.; Klement'yeva, L. B.  
INST. : Omsk State Pedagogical Institute.  
TITLE : The Effect of Periodic Chilling on the  
Embryonal Development of Chicks.  
ORIG. PUB. : Uch. zap. Omskogo gos. ped. in-ta, 1957, vyp.  
6, 97-103  
ABSTRACT : The effect of periodic chilling upon the growth  
and development of chicken embryos was investi-  
gated. Eggs of various incubation stages were  
placed for 45 min. daily into a refrigerator  
(at 2-3°C). It was found that periodic chilling  
from the 2nd until the 8th day of incubation  
increases the percentage of hatched chicks, and  
has a positive influence on the formation of  
blood cells (erythrocyte size and percentage of  
granular leukocytes increase). The chicks de-  
veloped normally during their first months of

Card: 1/2

USDA/General Biology - Cytology.

5-2

Abs Jour : Ref Zhur - Biol., No 5, 1958, 18-22

this the cytoplasm is divided by interlacing,  
The nerve cells in kittens divide most intensely at the  
age of 2 days to 1 month.

Card 2/2



ZHURAVLEV, V.P.; SHILENKOV, V.N.; RYZHIKH, L.I.; POYELUYEV, A.P.; BOGACHEV, V.P.

Wetting of coal seams with solutions for the decrease of dust formation and coal loosening, as well as for the control of gas liberation and prevention of endogene fires. Ugol' 40 no.8:65-68 Ag '65.

(MIRA 18:8)

SHILENKOV, Viktor Nikandorovich; RYZHIKH, Leonid Ivanovich;  
POYELUYEV, Aleksandr Pavlovich; OSIPOV, Yu.A.,  
retsenzent; BURCHAKOV, A.S., kand. tekhn.nauk, otv.  
red.; LUCHKO, V.S., red.izd-va; ZHIVRINA, G., tekhn.  
red.; LOMILINA, L., tekhn.red.

[Preliminary wetting of coal blocks] Predvaritel'noe  
uvlazhnenie ugol'nogo massiva. Moskva, Gosortekhzdat,  
1963. 123 p. (MIRA 17:2)

1. Permskiy nauchno-issledovatel'skiy institut (for Osipov).

ZHURAVLEV, V.P.; SHILENKOV, V.N.; RYZHIKH, L.I.; SKACHKOV, Ye.Z.

Changes in the permeability of a seam along its cross section. Nauch.  
trudy KNIUI no.16:3-5 '64.

Effect of wetting additives on the decrease in the strength of coal.  
Ibid.:11-14 (MIRA

Increasing the efficiency of weakening the coal massif with the help  
of softening solutions. Ibid.:245-249 (MIRA 18:7)

SHILENKOV, V.N.; ZHURAVLEV, V.P.; RYZHIKH, L.I.

Studying filtering processes with the use of coal samples. Nauch.  
trudy KNIUI no.16:6-11 '64. (MIRA 18:7)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520010-8  
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520010-8"

ZHURAVLEV, V.P.; POYELUYEV, A.P.; SHILENKOV, V.N.; RYZHIKH, L.I.

New type of sprayers. Nauch. trudy KNIUI no.16:22-28 '64. (MIRA 18:7)

KEYROVICH, Ye.N.; ZHURAVLEV, V.P., kand. tekhn. nauk; RYZHIKH, L.I., gornyy inzh.

Dust control in the Kostenko "A" Mine. Ugol' 38 no.8:50 Ag '63.  
(MIRA 17:11)

1. Glavnyy inzh. shakhty "A" im. Kostenko (for Keyrovich).
2. Karagandinskiy nauchno-issledovatel'skiy ugol'nyy institut (for Zhuravlev, Ryzhikh).

POYELUYEV, A.P., inzh; ZHURAVLEV, V.P., kand. tekhn. nauk; RYZHIKH, L.I.,  
inzh.

Increasing the effectiveness of spraying in the work of extracting  
cutter-loaders in the Karaganda Basin. Bor'ba s sil. 6:37-42 '64  
(MIRA 18:2)

1. Karagandinskiy nauchno-issledovatel'skiy ugol'nyy institut.

SHILENKOV, V.N.; ZHURAVLEV, V.P.; POYELUYEV, A.P.; RYZHIKH, L.I.; SKACHKOV,  
Ye.Z.

Raising the efficiency of coal mining with cutter-loaders by  
weakening the massif by wetting it . Nauch. trudy KNIUI no.13:  
29-38 '64 (MIRA 18:1)



SHILENKOV, V.N., kand.tekhn.nauk; RYZHIKH, L.I., inzh.; POYELUYEV, A.P.  
inzh.

Preliminary coal wetting as a means of preventing of dust forma-  
tion. Ugol' 35 no.7:28-31 J1 '60. (MIRA 13:7)

1. Karagandinskiy nauchno-issledovatel'skiy ugol'nyy institut.  
(Mine dusts)

RYZHIK, M. A., Cand of Tech Sci -- (diss) "Investigation of the work of  
friction surface of a cam and ~~MM~~ rod of a tractor engine." Tbilisi,  
1957, 20 pp (Georgian Polytechnical Institute im S. M. Kirov), 100 copies  
(KL, 32-57, 94)

MOLOCHNYY, B.M.; RYZHIK, TS.I.

Improving the design of the blowoff assemblies in hydrolysis plants.  
Gidroliz.i lesokhim.prom. 12 no.2:28-29 '59. (MIRA 12:3)

1. Giprogidroliz.  
(Hydrolysis) (Lignin)

KUTIN, A.M., inzh.; RYZHIKH, V.S., inzh.; BEKKER, R.G., inzh.

A voltage indicator. Prom. energ. 19 no.11:21-22 N '64. (MIRA 18:1)

VAYNBOYM, David Iosifovich; RYZHIK, Z.M., red.; FOMICHEV, A.G., red.  
izd-va; BELOGUROVA, I.A., tekhn. red.

[Electric plug welding under flux in an atmosphere of protective gases] Svarka elektrozaklepkami pod fliusom i v srede zashhitnykh gazov. Leningrad, 1962. 46 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Svarka i paika metallov, no.3) (MIRA 16:2)  
(Electric welding) (Protective atmospheres)

PETROV, Vladimir Nikolayevich; RYZHIK, Z.M., red.; FREGER, D.P.,  
red. izd-va; BELOGUROVA, I.A., tekhn. red.

[Electric arc welding in a protective atmosphere] Elektro-  
govaia svarka v srede zashchitnykh gazov; obzor. Leningrad,  
1963. 82 p. (MIRA 16:6).  
(Electric welding) (Protective atmospheres)

YEVTIFEYEV, Petr Ivanovich; ALEKSEYEV, A.A., prof., retsenzent;  
RYZHIK, Z.M., inzh., red.; GOFMAN, Ye.K., red. izd-va;  
SPERANSKAYA, O.V., tekh. red.

[Butt welding of metals in the manufacture of instruments]  
Stykovaia svarka metallov v priborostroenii. Moskva, Mash-  
giz, 1963. 132 p. (MIRA 16:7)  
(Instruments manufacture) (Electric welding)

RYZHIK, Zinoviy Markovich; RAZDUY, F.I., red.; TELYASHOV, R.Kh.,  
red.izd-va; BELOGUROVA, I.A., tekhn. red.

[Continuous-line mechanized welding] Potochnoe i mekhani-  
zirovannoe svarochnoe proizvodstvo; stenogramma lektsii. Le-  
ningrad, 1963. 21 p. Leningradskii dom nauchno-tekhnicheskoi  
propagandy. Obmen peredovym opytom. Seriya: Svarka i paika,  
no.2) (MIRA 16:5)

(Welding--Equipment and supplies)  
(Assembly line methods)



SHILENKOV, V.N., kand.tekhn.nauk; RYZHIKH, L.I.; POYELJUEV, A.P.

Hydraulic shutoff devices for preliminary coal wetting.  
Bor'ba s sil. 5:68-71 '62. (MIRA 16:5)

1. Karagandinskiy nauchno-issledovatel'skiy ugol'nyy institut.  
(Mine dusts--Prevention)

RYZHIKH, I.I.; SHILENKOV, V.N., kand.tekhn.nauk

Injecting water into a seam through degassing holes. Bor'ba s sil.  
5:61-67 '62. (MIRA 16:5)

1. Karagandiskiy nauchno-issledovatel'skiy ugol'nyy institut.  
(Karaganda Basin--Mine dusts--Prevention)

RYZHIKH, T.P., dorozhnyy master; TYUKHIN, T.I., dorozhnyy master

Our proposals for the seven-year plan. Put' 1 put.khoz. no.11:31  
N '58. (MIRA 11:12)

1. 2-y okolotok Ostrogozhskoy distantzii puti Yugo-Vostochnoy dorogi,  
stantsiya Palatovka.  
(Railroads--Track)

BELORUSSOV, Nikolay Ivanovich, inzh.; GLUPUSHKIN, Petr Mikhaylovich,  
kand. tekhn. nauk; KONSTANTINOV, Marsaliy Valer'yanovich,  
inzh.; PESHKOV, Izyaslav Borisovich, kand. tekhn. nauk;  
PRIVEZENTSEV, Vladimir Alekseyevich, doktor tekhn. nauk;  
TROITSKIY, Igor' Dmitriyevich, kand. tekhn. nauk;  
FEDOSEYEVA, Yelena Georgiyevna, kand. tekhn. nauk; FRIDMAM,  
Aron Solomonovich, inzh.; RYZHIKHINA, Ye.G., red.

[Cables and wires] Kabeli i provoda. Moskva, Energiia.  
Vol.3. 1964. 469 p. (MIRA 17:12)

TSESSARSKIY, Boris Izrailevich; RYZHIKHINA, Ye.G., red.

[Design and technology of the production of molds for  
porcelain articles] Konstruirovaniie i tekhnologiya iz-  
gotovleniia press-form dlia farforovykh izdelii. Izd.2.,  
perer. Moskva, Energiia, 1965. 69 p. (MIRA 18:7)

BREYTVAYT, Konstantin Vasil'yevich; KORITSKIY, Yuriy Vladimirovich;  
KULAKOVA, Revekka Viktorovna; SOKOLOVA, Serafima  
Leonidovna; RYZHIKHINA, Ye.G., red.; BUL'DYAYEV, N.A.,  
tekhn. red.

[Manufacture, properties, and application of cellulose  
electric insulating papers and cardboards] Proizvodstvo,  
svoistva i primenenie elektroizoliatsionnykh tselliuloz-  
nykh bumag i kartonov. [By] K.V.Breitveit i dr. Moskva,  
Gosenergoizdat, 1963. 319 p. (Polimery v elektroizoliatsion-  
noi tekhnike, no.7) (MIRA 17:2)

ANDRIANOV, Kuz'ma Andrianovich; EPSHTEYN, Lev Abramovich  
[deceased]; RYZHIKHINA, Ye.G., red.; BUL'DYAYEVA, N.A.,  
tekhn. red.

[Mica electric insulating materials] Sliudinitovye elek-  
troizoliatsionnye materialy. Moskva, Gosenergoizdat, 1963.  
230 p. (Polimery v elektroizoliatsionnoi tekhnike, no.8)  
(MIRA 17:4)

KOVARSKIY, Yefim Mikhaylovich; RYZHIKHINA, Ye.G., red.; IARIONOV,  
G.Ye., tekhn. red.

[Repair of electrical machinery] Remont elektricheskikh mashin.  
Izd.5., peresm. i dop. Moskva, Gosenergoizdat, 1962. 287 p.  
(MIRA 15:11)

(Electric machinery--Maintenance and repair)



**RYZHIKOV, A., polkovnik**

Antiaircraft defense of an infantry company. Voen. vest. 39  
no.11:21-23 № '59. (MIRA 13:3)  
(Antiaircraft guns) (Infantry)

SPASSKIY, A.F.; RYZHIKOV, A.A.

Process of gas formation in dry foundry molds and cores. Lit.  
proizv. no. 3:22-24 Mr '61. (MIRA 14:6)  
(Molding (Founding))

RYZHIKOV, A.A.; ZLOTIN, S.Z.

Flow of gases from the mold cavity through vents during die  
casting. Lit. proizv. no. 3:35-37 Mr 165. (MIRA 18:6)

RYZHIKOV, A.A., doktor tekhn. nauk, red.; SANKOV, I.I., inzh., red.; KNYA-  
ZEV, V.V., red.; ZAKHAROV, K.A., tekhn. red.

[Automatic control and mechanization in casting] Avtomatizatsiia i  
mekhanizatsiia liteinogo proizvodstva; sbornik statei. Gor'kii, Gor'-  
kovskoe knizhnoe izd-vo, 1960. 187 p. (MIRA 14:7)  
(Founding) (Automatic control)

RAZUMOV, Valer'yan Nikitich; RYZHIKOV, A.A., prof., doktor tekhn.nauk,  
retsenzent; LOS'KOV, D.I., inzh., red.; MARCHENKOV, I.A.,  
tekhn.red.

[Foundry laboratory in the plant] Liteinsia laboratoria na  
zavode. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry.  
1960. 138 p. (MIRA 13:11)  
(Foundry research)

ABRAMOV, V.V., kand.tekhn.nauk; AGEYEV, D.V., doktor tekhn.nauk, prof.;  
BAMDAS, A.M., doktor tekhn.nauk, prof.; VERKHOVSKIY, A.V., doktor  
tekhn.nauk, prof.; GOLINKEVICH, N.A., kand.tekhn.nauk, dots.;  
DERTEV, N.K., doktor tekhn.nauk, prof.; MATES, H.V., doktor tekhn.  
nauk, prof.; RYZHIKOV, A.A., doktor tekhn.nauk, prof.; PASYNKOV,  
O.N., otv.za vypusk

[New method for calculating thermal stresses] Novyi raschetnyi  
metod vychisleniia termicheskikh napriazhenii. Gor'kii, 1958.  
57 p. (Gorkiy.Politekhnikheskii institut. Trudy, vol.14, no.3)  
(MIRA 13:7)

(Thermal stresses)

ACC NR: AP6033761

SOURCE CODE: UR/0128/66/000/008/0046/0047

AUTHOR: Ryzhikov, A. A. (Doctor of technical sciences); Markov, V. V. (Engineer)

ORG: none

TITLE: Properties of aluminum alloy castings obtained by liquid metal forging

SOURCE: Liteynoye proizvodstvo, no. 8, 1966, 46-47

TOPIC TAGS: ~~liquid~~ metal forging, aluminum alloy forging, LIQUID METAL, SOLID MECHANICAL PROPERTY

ABSTRACT: Aluminum-alloy (chemical composition similar to that of Al4) articles 80 mm in outside diameter, 50 mm in inside diameter, and 85 mm long were made by liquid metal forging at forging pressures 600—1600 kg/cm<sup>2</sup>. It was found that the strength, ductility, and density of the castings improved with increasing forging pressure. For instance, the strength of conventional chill castings was 13.52 kg/mm<sup>2</sup> and the elongation was 4.2%, while the strength of articles forged with a pressure of 1600 kg/cm<sup>2</sup> was 20.72 kg/cm<sup>2</sup> and the elongation was 15.0%. Articles forged with a pressure of 600 kg/cm<sup>2</sup> developed leakage when subjected to hydraulic pressure of 600 atm, while those forged with a pressure of 1600 kg/cm<sup>2</sup> did not show any leakage when subjected to 125 atm of hydraulic pressure. Orig. art. has: 4 figures and 2 tables.

SUB CODE: 11, 13/ SUBM DATE: none/

Card 1/1

UDC: 621.74.043.2:669715

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520010-8  
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520010-8"  
RYZHIKOV, A.A.; RYABUKHOV, S.I.

Modifying cast iron by means of a liquid iron-magnesium addition  
agent. Lit. proizv. no.1:9-10 Ja '59. (MIRA 12:1)  
(Cast iron--Metallurgy) (Magnesium alloys)



RYZHIKOV, Anton Abramovich; GULYAYEV, B.B., doktor tekhn. nauk, retsenzent;  
DUGINA, N.A., tekhn. red.

[Theoretical basis of founding] Teoreticheskie osnovy liteinogo proizvodstva. Izd.2., ispr. i dop. Moskva, Mashgiz, 1961. 446 p.  
(MIRA 14:11)

(Founding)

ACCESSION NR: AR4027685

S/0276/64/000/001/G031/G031

SOURCE: RZh. Tekhnologiya mashinostroyeniya, Abs. 1G228

AUTHOR: Spasskiy, A. F.; Ry\*zhikov, A. A.

TITLE: Optimal mold pouring conditions for obtaining high-quality castings

CITED SOURCE: Sb. Novoye v liteyn. proiz-ve. Gor'kiy, 1963, 5-18

TOPIC TAGS: casting, precision casting, casting theory

TRANSLATION: The mold should be filled at a rate such that the heat of overheating is removed from the areas most distant from the metal entry point. These areas may contain some amount of the hard phase, but the metal must retain high fluidity and reproduce well the surface contours of the mold, i.e., fill it normally. The fulfillment of this condition assures the desired longitudinal temperature gradient in the casting, allows directed hardening from the most remote to the nearest points to the metal entry point, and also results in a considerable saving of metal in the pouring gate system. External refrigerators also operate more efficiently. The following formula for determining the

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ACCESSION NR: AR4027685

pouring temperature is given:

$$T_{322} = \frac{\pi \cdot R^2 \cdot \gamma^2}{4 \cdot \delta^2} \left[ 5.303c^2 \rho_m \left( \frac{T_{322} - T_\phi}{T_{ANK} - T_\phi} \right) + \frac{N^2 \rho^2}{(T_{ANK} - T_\phi)} \right];$$

where R is half the wall thickness,  $\gamma$  is the specific weight of the metal;  $\delta$  is the heat accumulation factor of the mold; c is the specific heat capacity of the metal;  $T_{322}$  is the pouring temperature;  $T_\phi$  is the mold temperature;  $T_{ANK}$  is the liquidus temperature; N is the solid phase fraction;  $\rho$  is the specific heat of crystallization. As an example, the authors cite the time required for the casting of an automotive cylinder block and calculate the temperature of the mold surface receiving heat from the poured metal. 5 illustrations. Bibliography with 7 titles.

DATE ACQ: 03 Mar 64

SUB CODE: ML

ENCL: 00

Card 2/2

RYZHIKOV, A.A.; ZLOTIN, S.Z.

Investigating the density and gas saturation of die castings.  
Lit.proizv. no.7:31-33 J1 '64. (MIRA 18:4)