DAVYDOV, Mikhail Prokof'yevich; ZORI, Anatoliy Stafanovich; KOCHERGA, M., redaktor; VUYEK, M., tekhnicheskiy redaktor.

[Rapid sinking of vertical shafts] Skorostnaia prokhodka vertikal'nykh stvolov. Kiev, Gos.izd-vo tekhn. lit-ry USSR, 1955. 71 p. (MLRA 8:12)
(Shaft sinking)

ZORI, A.S

DAVYDOV, M.P.; ZORI, A.S.

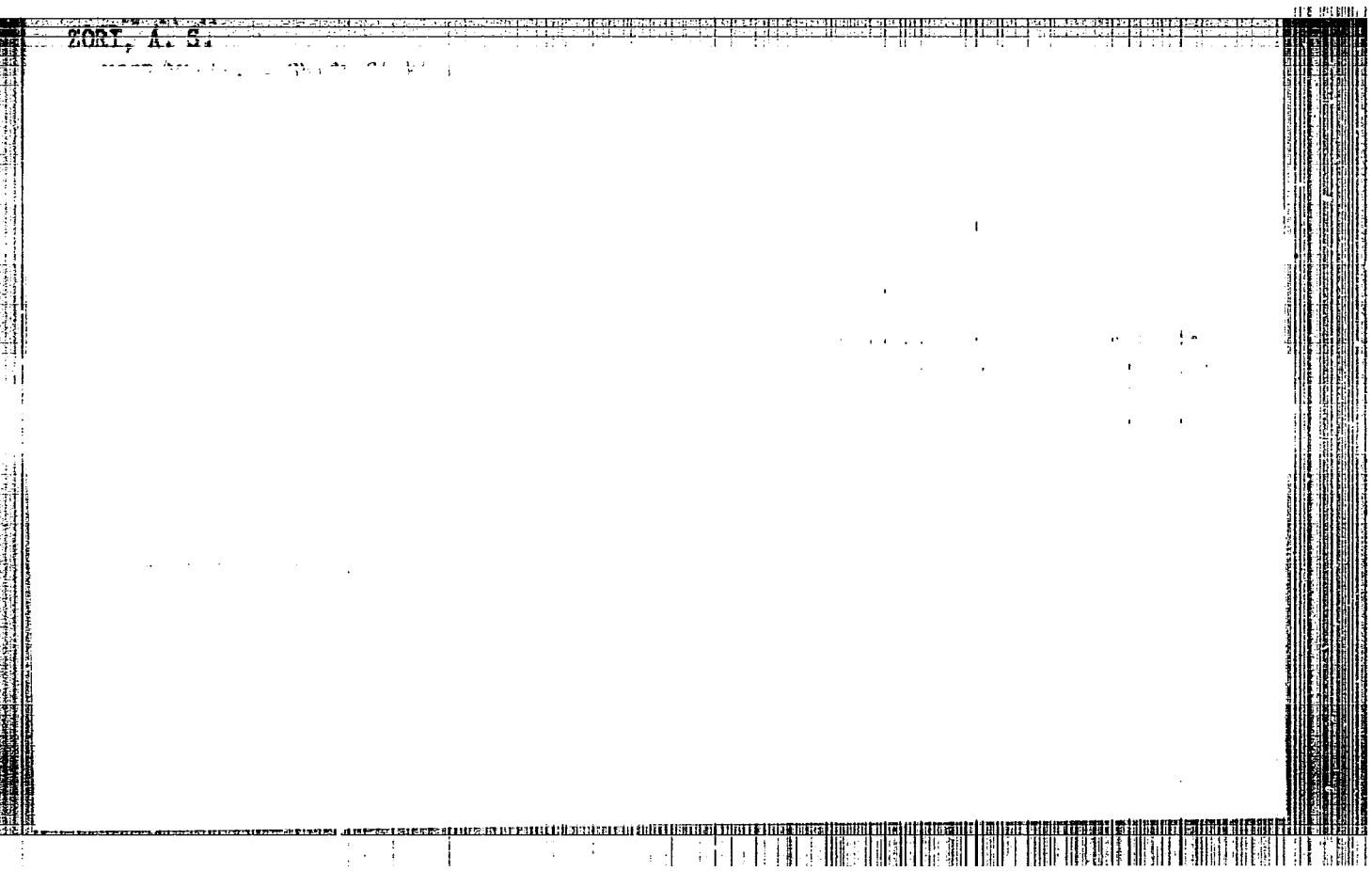
202.1 meters of prepared mine shaft per month. Mekh. trud. rab. 9 no.5:21-24 My '55. (MLRA 8:7)

1. Nachal'nik kombinata Stalinshakhtostroy (for Davydov). 2. Nachal'nik tekhnicheskogo otdela tresta Stalinshakhtoprokhodka (for Zori).
(Shaft sinking)

DAVYDOV, M.P.; ZASLAVSKIY, Yu.Z.; ZORI, A.S.

150 meters of prepared mine shafts per month. Mekh.trud.rab. 8 no.8:17-20 D '54. (MLRA 8:1)

1. Upravlyayushchiy trestom Stalinshakhtoprokhodka (for Davydov) 2. Glavnyy inzhener prokhodcheskogo stroyupravleniya No.3 (for Zaslavskiy). 3. Nachal'nik tekhnicheskogo otdela tresta (for Zori)
(Donets Basin--Mining engineering)



DAVYDOV, M.P.; ZORI, A.S.

120.6 m of shaft sinking per month. Mekh.trud.rab. 8 no.3:6-9 Ap-My '54. (MLRA 7:6)

1. Upravlyayushchiy trestom Stalinshakhtoprokhodka (for Davydov).
2. Nachal'nik tekhnicheskogo otdela tresta (for Zori).
(Shaft sinking)

DAVYDOV, M.P.; ZORI, A.S.; VOLOBUYEV, S.Kh.

Sinking of 120.6 meter of completed shaft of a large diameter in a month. Ugol' 29 no.6:31-37 Je '54. (MLRA 7:6)

1. Trest Stalinshakhtoprokhodka. (Shaft sinking)

ZORI, A.S.

Examplary shaft sinking in the Butovskaia-Glubokaia mine.
Gor. zhur. no.7:40-45 Jl '56. (MLRA 9:9)

1. Nachal'nik tekhnicheskogo otdela tresta Stalinshakhtoprokhodka.
(Donets Basin--Shaft sinking)

1. ZORI, A. S.

2. USSR 600

4. Shaft Sinking

7. Sinking the skip shaft of the "Vetka-Glubokaia" mine, Ugol', 28, No. 1, 1953.

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

ZORI, A. S. PA 7/49T84

USSR/Mining Machinery Jul 48
Mining Methods

"Performance of the S-153 Coal Loader in a Rock Face," A. S. Zori, Engr, Stalinshakhtovosstanovlenlye Trust, 1 p

"Ugol'" No 7 (268)

Rock removal is one of the most laborious and least machanized of mining operations. Zori describes how a coal-loading machine was used for this purpose. Concludes that machine S-153 can be recommended for drifts passing through coal and argillite, both for loading coal and small, well-broken rocks. (Editor warns that machine should be used for soft rocks only.)

FDB 7/49T84

ANDROS, I.P., inzh.; ASSONOV, V.A., kand. tekhn. nauk; BERNSHTEYN, S.A., inzh.; BOKIY, B.V., prof.; BROVMAN, Ya.V., inzh. BONDARENKO, A.P., inzh.; BUCHNEV, V.K., kand. tekhn. nauk; VERESHCHUNOV, G.P., kand. tekhn. nauk; VOLKOV, A.F., inzh.; GELMSKUL, M.M., kand. tekhn. nauk; GORODNICHEV, V.M., inzh.; DEMENT'YEV, A.Ya., inzh.; DONUCHAYEV, M.M., inzh.; DUBNOV, L.V., kand. tekhn. nauk; ZEPIFANTSEV, Yu.K., kand. tekhn. nauk.; YERASHKO, I.S., inzh.; ZHEDANOV, S.A., kand. tekhn. nauk; ZIL'BERBROD, A.F., inzh.; ZINCHENKO, E.M., inzh.; ZORI, A.S., inzh.; KAPLAN, L.B., inzh.; KATSAUROV, I.N., dots.; KITAYSKIY, E.F., inzh.; KRAVTSOV, Ye.P., inzh.; KRIVOROG, S.A., inzh.; KRINITSKIY, L.M., kand. tekhn. nayk; LITVIN, A.Z., inzh.; MALEVICH, N.A., kand. tekhn. nauk; MAN'KOVSKIY, G.I., doktor tekhn. nauk; MATKOVSKIY, A.L., inzh.; MINDELI, E.O., kand. tekhn. nauk; NAZAROV, P.P., kand. tekhn. nauk; NASONOV, I.D., kand. tekhn. nauk; NEYYENBURG, V.Ye., kand. tekhn. nauk; POKROVSKIY, G.I., prof., doktor tekhn. nauk; PROYAVKIN, E.T., kand. tekhn. nauk; ROZENBAUM, inzh.; ROSSI, B.D., kand. tekhn. nauk; SEMEVSKIY, V.N., doktor tekhn. nauk; SKIRGELLO, O.B., inzh.; SUKHUT, A.A., inzh.; SUKHANOV, A.F., prof., doktor tekhn. nauk; TARANOV, P.Ya., kand. tekhn. nauk; TOKAREVSKIY, D.I., inzh.; THUPAK, N.G., prof., doktor tekhn. nauk; FEDOROV, S.A., prof., doktor tekhn. nauk; FADYUKIN, V.A., inzh.; KHOKHLOVKIN, D.M., inzh.; KHRABROV, N.I., kand. tekhn. nauk; CHEKAREV, V.A., inzh.; CHERNAVKIN, N.N., inzh.; SHREYBER, B.P., kand. tekhn. nauk; EPOV, B.A., kand. tekhn. nauk; YAKUSHIN, N.P., kand. tekhn. nauk; YANCHUR, A.M., inzh.; YAKHONTOV, A.D., inzh.; POKROVSKIY, N.M., otvetstvennyy red.; KAPLUN, Ya.G. [deceased], red.; MONIN, G.I., red.; SAVITSKIY, V.T.,

(Continued on next card)

ANDROS, I.P.---(continued) Card 2.
red.; SANOVICH, P.O., red.; VOLOVICH, M.Z., inzh., red.; GORITSKIY, A.V., inzh., red.; POLUYANOV, V.A., inzh., red.; FAUBYEV, E.I., inzh., red.; CHECHKOV, L.V., red. izd-va; PROZOROVSKAYA, V.L., tekhn. red.; NADEINSKAYA, A.A., tekhn. red.

[Mining; an encyclopaedic handbook] Gornoe delo; entsiklopedicheskii spravochnik. Glav. red. A.M. Terpigorev. Moskva, Gos. nauchno-tekhnicheskoe izd-vo lit-ry po ugol'noi promyshl. Vol.4 [Mining and timbering] Provedenie i krepleniie gornykh vyrabotok. Red-kollegiia toma: F.M.Pokrovskii... 1958. 464 p. (MIRA 11:7)

(Mine timbering) (Mining engineering)

TYURKYAN, Raffi Armenakovich; GORLOV, Petr Ivanovich; ZORI, Anatoliy Stefanovich; AFONCHENKO, Vladimir Vasil'yevich; KLITSUNOV, V.I., otv. red.; CHECHKOV, L.V., red. izd-va; LOMILINA, L.N., tekhn. red.; IL'INSKAYA, G.M., tekhn. red.

[Information for worker on vertical shafts, shaft bottoms, and chambers] Pamiatka prokhodchika vertikal'nykh stvolov, okolostvol'nykh dvorov i kamer. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po gornomu delu, 1960. 71 p. (MIRA 14:7)
(Shaft sinking)

ZORI, A.S., gornyy inzh.

Obsolete book ("Rapid shaft sinking" by A.N.Alymov. Reviewed by A.Z.Zori). Ugol' Ukr. 3 no.9:46 S '59. (MIRA 13:2)
(Shaft sinking) (Alymov, A.N.)

ZORIC, Anica, dipl. ec.

Amortization under the conditions of the economic growth of electric industries. Elektroprivreda 15 no.1:20-28 Ja '62.

1. Zajednica elektroprivrednih preduzeca Hrvatske, Zagreb.

ZORIC, Anica, dipl. ek.

Influence of the financial potential of amortization on selecting the structure of electric power sources. Elektroprivreda 17 no.4/5:232-233 Ap-My '64

ZORIC, B.

ZORIC, L.

Shale in the Aleksinac deposits. p. 513.
TEHNIKA, Beograd, Vol. 10, no. 4, 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955, Uncl.

ZORIC, M

"Jackdaw As Our Town Bird", p. 440, (NAUKA I PRIRODA) (Vol. 6, No. 10 1953, Beograd, Yugoslavia)

SO: Monthly List of East European Accession L.C. Vol.3, No. 4, April 1954

ZORIC, Tine, dipl. inz. (Maribor, Papinova 2,

-adres for modern industries. Automatika 5 no.1.17-18 64.

ZORIC, Zoran

A criterion for the optimal geometry of the reactor fuel element. Bul Inst Nucl 11:93-103 '61.

1. Institute of Nuclear Sciences "Boris Kidrich," Department of Reactor Engineering, Vinca.

SARIC,Marko,dr.; KOSOKOVIC,Smiljka,dr.; ZORICA,Miaden,dr.; BERITIC,Tihomil,dr.

Occupational lead poisoning in workers employed in the construction of the "Liberty Bridge". Lijec. vjes. 81 no.11:803-809 '59.

1. Iz Instituta za medicinska istrazivanja JAZU i Interne klinike Medicinskog fakulteta Sveucilista u Zagrebu.
(LEAD POISONING)

ZORICA, M.; SARIC, M.

Asbestosis in asbestos-cement workers. Arh. hig. rada 12 no.2: 97-118 '61.

1. Zavod za zastitu zdravlja, Split i Institut za medicinska istrazivanja i medicinu rada, Zagreb.
(ABESTOSIS statist)

ZORICH, A.S., inzh.

Bearing capacity of reinforced concrete and prestressed elements subjected to cross-bending. Sbor.trud.IUZHNII no.3:64-75 '59. (MIRA 13:7)
(Girders) (Strains and stresses)

ZORICH, A.S., inzh.

Determining stresses in reinforced concrete elements during their compression by prestressed oblique or curvilinear reinforcement. Stroi.konstr. no.2:24-44 '65.
(MIRA 18:12)

1. Khar'kovskiy PromstroyNIIproyekt.

KALENICHENKO, A.G.; ZORICH, A.S.

Effect of using furnace-slag compositions instead of plain concretes in making certain reinforced concrete construction elements. Sbor.trud.IUZHNII no.3:161-199 '59.
(MIRA 13:7)
(Reinforced concrete) (Slag)

ZORICH, A.S., inzh.; KARABAN, N.N., inzh.

Stand for testing steel construction elements. Sbor.trud. IUZHNII no.3:313-320 '59. (MIRA 13:7)
(Steel, Structural--Testing)

SOLODKIY, A.I., inzh.; ZORICH, K.S., inzh.

Automation and mechanization of technical-control processes in machinery plants. Mashinostroenie no.1:76-77 Ja-F '62. (MIRA 15:2)

1. Proyektno-konstruktorskiy tekhnologicheskiy institut Kiyevskogo sovnarkhoza.

(Automation)
(Quality control)

VARFOLOMEYEVA, Ye.K.; BOTOVA, A.S.; SHEFLER, V.F.; ZORICH, N.F.

Chemistry evening on the topic "Metals and alloys." Khim. v shkole 17 no.2:64-70 Mr-Ap '62. (MIRA 15:3)

1. Pedagogicheskiy institut, g. Ul'yanovsk.
(Chemistry--Study and teaching)(Metals)

[redacted], O.P.; [redacted], L.V.; [redacted], I.V.

Preparation of divalent chromium chloride crystal hydrate.
Ukr. khim. zhur. 30 no.10:1109-1110 '64.

(MIRA 17:11)

1. Institut obshchey i neorganicheskoy khimii AN Ukrainskoy.

ZORICH, S. D. Cand. Biolog. Sci.

Dissertation: "The Fundamental Problems of Hygiene and Safety in the Manufacture of Trinitrotoluene." First Moscow Order of Lenin Medical Inst, 17 Mar 47.

SO: Vechernyaya Moskva, Mar, 1947 (Project #17836)

ZORICH, V.

Boundary properties of a class of mappings in a space.
Dokl. AN SSSR 153 no.1:23-26 N '63. (MIRA 17:1)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.
Predstavleno akademikom P.S. Aleksandrovym.

ZORICH, V.A.

Correspondence of boundaries in Q-quasi-conformal mappings of a sphere. Dokl.AN SSSR 145 no.6:1209-1212 Ag '62. (MIRA 15:8)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova. Predstavleno akademikom P.S.Aleksandrovym.
(Conformal mapping)

ZORICH, V.

Determination of boundary elements by means of cross sections.
Dokl. AN SSSR 164 no.4:736-739 O '65.

(MIRA 18:10)

1. Moskovskiy gosudarstvennyy universitet. Submitted March 1, 1965.

ZORICH, V.A.

Correspondence of boundaries for Q-quasi-conformal mappings of a sphere. Dokl.AN SSSR 145 no.1:31-34 Jl '62. (MIRA 15:7)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova. Predstavleno akademikom M.A.Lavrent'yevym.
(Conformal mappings)

AL'FORS, LARS [Ahlfors, Lars], prof.; LIPMAN, Borm, prof.; ZORICH, V.A. [translator]; KIRILLOV, A.A. [translator]; SHABAT, B.V., red.; PLUZHNIKOVA, N.I., red.; PRIDANTSEVA, S.V., tekhn. red.

[Space of Riemann surfaces and quasi-conformal mappings] Prostranstva rimanovykh poverkhnostei i kvazikonformnye otobrazheniia. Pod red. B.V.Shabata. Moskva, Izd-vo inostr.lit-ry, 1961. 176 p. (MIRA 15:1)
(Rieman surface) (Conformal mapping)

L 21685-66

ACC NR AP6015574 SOURCE CODE: UR/0096/65/000/012/0019/0021

AUTHOR: [illegible]richev, V. A. (Engineer); Pavlov, N. V. (Engineer); Pilyagin, V. F. (Engineer)

ORG: [illegible] boiler factory (Barnaul. [illegible] kotel'nyy zavod)

TITLE: Use of the [illegible] plane parallel flow combustion devices in BKZ boilers

SOURCE: Teploenergetika, no. 12, 1965, [illegible]-21

TOPIC TAGS: furnace, combustion, [illegible] steam boiler/[illegible] FS steam boiler, BKZ [illegible] steam boiler

ABSTRACT: The basic burners for the combustion of fine coal and lignite in [illegible] are presently [illegible] burners with [illegible] or [illegible] shafts. [illegible] are not very efficient [illegible], A. P. [illegible], [illegible]lyan, Teploenergetika (Heat Power Engineering), [illegible]. Consequently, the department of steam generator design of the [illegible] carried out numerous investigations of the problem, resulting in the construction of a new combustion device using the [illegible] in which the fuel burns in plane parallel flows bringing the air-[illegible] mixture into the furnace [illegible] at a speed of [illegible]. From 1958 [illegible] by the [illegible] and [illegible] bureau of the [illegible] and [illegible], [illegible] (BKZ-160-100), [illegible] with [illegible] combustion devices. Among [illegible] participation in the investi-

Card 1/2

L 24685-66

ACC NR: AP6015524

gation were also A. V. Patrikeyev, R. A. Molchanov, Z. V. Matveyeva, I. A. Shingel', and I. Ye. Grigor'yev. Extensive tests, described briefly in the article, show that the new method is by far the most economical for the combustion of low-calory fuels. The new method does away with the need for an auxiliary [illegible] for secondary air at the back wall of the furnace in the [illegible] can even remove the [illegible] the new device [illegible] combustion [illegible]

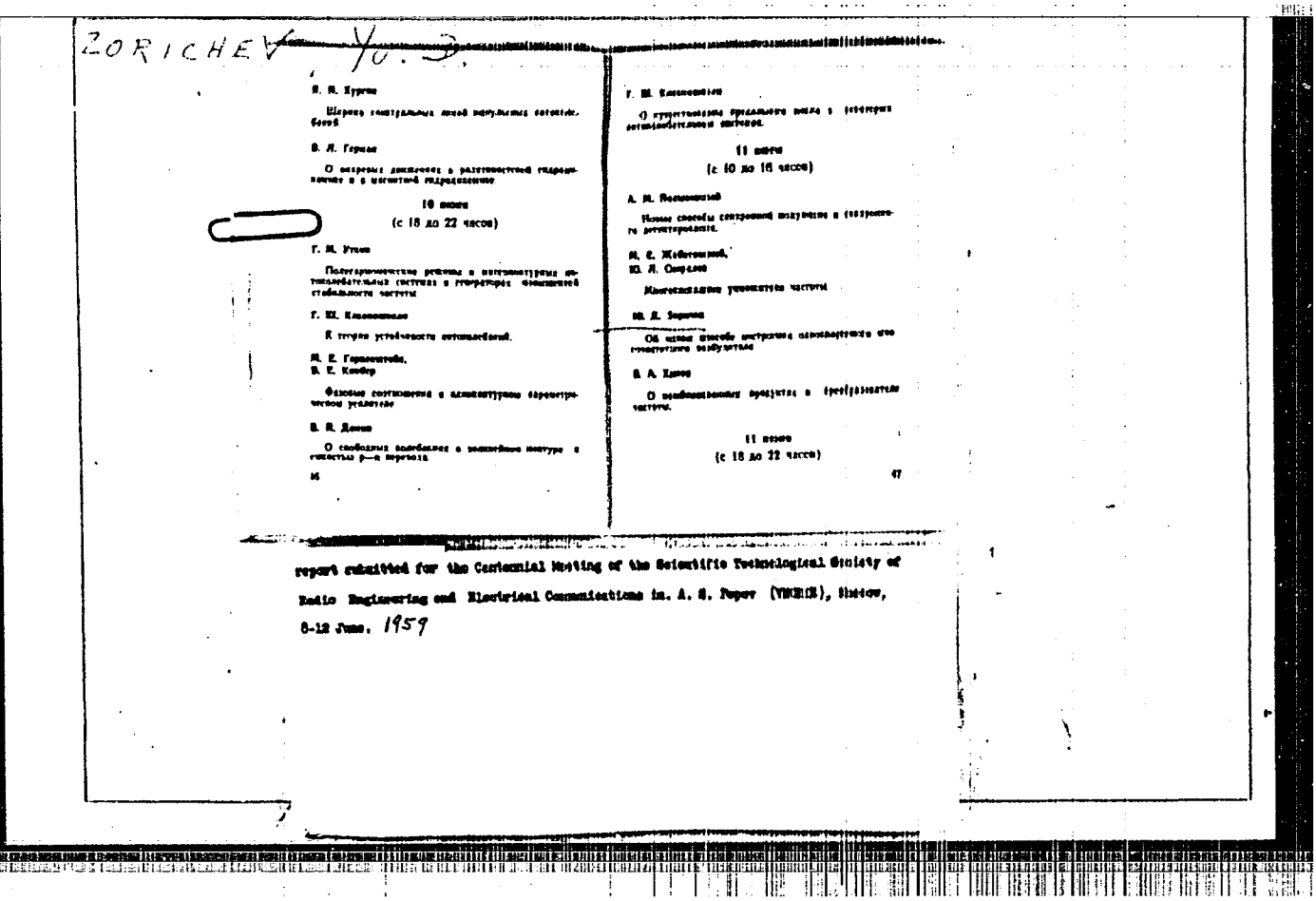
[illegible]

Card 2/2

KUZ'MIN, N.V., kandidat tekhnicheskikh nauk; ZORICHEV, V.D.

Letter to the editor. Teploenergetika 3 no.12:58-59 D '56.
(MLRA 9:12)

1. Nachal'nik otdela maloy energetiki TSentral'nogo kotloturbinogo instituta (for Kuz'min). 2. Glavnyy inzhener Biyskogo kotel'nogo zavoda (for Zorichev).
(Boilers)



ZORICHEV Yu. S.

Report submitted for the Centennial Meeting of the Scientific Technological Society of Radio Engineering and Electrical Communications im. A. S. Popov (VNIIRE), Sinkov, 8-12 June, 1959

SIDORENKO, A.V., glav. red.; ZORICHEVA, A.I., red.; VOLKOV, S.N., soredaktor; SOLOMATINA, Z.D., red. izd-va; VLASOV, I.S., red.izd-va; GUROVA, O.A., tekhn. red.

[Geology of the U.S.S.R.] Geologiia SSSR. Glav.red.A.V. Sidorenko. Moskva, Gosgeoltekhizdat. Vol.2. [Archangel and Vologda Provinces and the Komi A.S.S.R.] Arkhangel'skaia, Vologodskaia oblasti i Komi ASSR. Pt.1.[Geological description] Geologicheskoe opisanie. Red. A.I.Zoricheva. 1963. 1077 p. (MIRA 16:12)

(Archangel Province--Geology)
(Vologda Province--Geology)
(Komi A.S.S.R.--Geology)

ZORICHEVA, A.I.

Stratigraphy of Paleozoic deposits in the northern Russian Platform. Mat.VSEGEI no.14:153-168 '56. (MIRA 10:1)
(Russian Platform--Geology, Stratigraphic)

BOCH, S.G.; GRUSHEVOY, V.G.; DZEVANOVSKIY, Yu.K.; ZORICHEVA, A.I., IVANOV, A.A.; KUREK, N.N.; LIBROVICH, L.S.; MOROZENKO, N.K.; NEMEROSHIN, V.P.; RUSANOV, B.S.; SPIZHARSKIY, T.N.; SHABAROV, N.V.; SHAZALOV, Ye.T., redaktor; DZEVANOVSKIY, Yu.K., redaktor; KRASHKOV, V.I., redaktor; MIRLIN, G.A., redaktor; RUSANOV, B.S., redaktor; SHMENOVA, M.V., redaktor; GUROVA, O.A., tekhnicheskiy redaktor.

[Instruction for compiling and preparing for publication the state geological map of the U.S.S.R., and the map of the mineral resources of the U.S.S.R.Scale 1:1000000] Instruktsiia po sostavleniiu i podgotovke k izdaniiu gosudarstvennoi geologicheskoi karty SSSR i karty poleznykh iskopaemykh SSSR. Masshtaba 1:1000000. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geologii i okhrane nedr, 1955. 52 p., tables of symbols, maps [Microfilm] (MLRA 9:6)

1. Russia (1923- U.S.S.R.) Ministerstvo geologii i okhrany nedr. (Geology--Maps)

NEKRASOVA, O.I.; OVCHINNIKOVA, S.V., redaktor; ZORICHEVA, A.I., redaktor; GORDIYENKO, Ye.B., tekhnicheskiy redaktor.

Lithology of lower and middle Cambrian deposits in the profile of the Amga base well (Eastern Siberia). Trudy VSEGEI 4:3-68 '55. (MLRA 9:1)

(Amga Valley--Geology, Stratigraphic)

LEYKINA, Ye.S.; LUKASHENKO, N.P.; ZORIKHINA, V.I.; LAVRENOV, B.K.; MAMEDOV, M.M.

Natural foci of Echinococcus multilocularis in Novosibirsk Province. Med.paraz. i paraz.bol. 28 no.2:206-213 Mr-Ap '59. (MIRA 12:6)

1. Iz sektora eksperimental'noy parazitologii Instituta malyarii, meditsinskoy parazitologii i gel'mintologii Ministerstva zdravookhraneniya SSSR (dir.instituta - prof.P.G.Sergiyev, zav.sektorom - prof.V.P.Pod"yapol'skaya) i gospital'noy khirurgicheskoy kliniki Novosibirskogo meditsinskogo instituta (zav.klinikoy I.L.Bregadze).

(ECHINOCOCCOSIS
multilocularis, natural foci in Novosibirsk region, USSR (Rus))

GEFTER, V.A.; ZORIKHINA, V.I.

Epidemiological investigations of ascariasis using immun logical and other methods. Med.paraz. i paraz.bol. 28 no.4:394-400 Jl-Ag '59. (MIRA 12:12)

1. Iz sektora eksperimental'noy parazitologii Instituta malyarii, meditsinskoy parazitologii i gel'mintologii Ministerstva zdravookhraneniya SSSR (dir. instituta - prof. V.P. Pod"yapol'skaya) i sanitarno-epidemiologicheskoy stantsii Moskovsko-Okruzhnoy zheleznoy dorogi (nachal'nik stantsii I.I. Mogilevskiy).
(ASCARIASIS epidemiology)

ZORIKHINA, V.I. (Moskva)

Use of the intracutaneous allergic reaction in diagnosing echinococcosis. Fel'd.i akush. 27 no.7:21-23 Jl '62. (MIRA 15:9)
(ALLERGY) (TAPEWORMS)

LEYKINA, Ye.S.; ZORIKHINA, V.I.

Simplified method for an immunological diagnosis of helminthiases. Report no.2: Use of the agglutination reaction with carmine for the early diagnosis of ascariasis among children. Med.paras. i parazit. bol. 25 no.3:245-248 Jl-S '56. (MLRA 9:10)

1. Iz Instituta malyarii, meditsinskoy parazitologii i gel'mintologii Ministerstva zdravookhraneniya SSSR (dir. inst. - prof. P.G.Sergiyev, zav. sektrom - prof. V.P.Pod"yapol'skaya)

(ASCARIASIS, diagnosis,
agglut. with carmine technic (Rus))
(AGGLUTINATION,
carmine agglut. in ascariasis diag. (Rus))

ZORIKHINA, V.I.

Study on the immunodiagnosis of echinococcosis. Report No.2: New serological reactions in the diagnosis of echinococcosis and comparative evaluation of immunological diagnostic methods. Med. paraz.i paraz.bol. no.5:544-551 '61. (MIRA 14:10)

1. Iz otdela gel'mintologii Instituta meditsinskoy parasitologii i tropicheskoy meditsiny imeni Ye.I. Martsinovskogo Ministerstva zdravookhraneniya SSSR (dir. instituta - prof. P.G. Sergiyev, zav. otdelom - prof. V.P. Podyapol'skaya) i kafedry gospital'noy khirurgii Novosibirskogo meditsinskogo instituta (zav. kafedroy - prof. I.L. Bregadze).

(HYDATIDS) (SERUM DIAGNOSIS)

USSR/Zooparasitology - Parasitic Worms. General Problems. G.

Abs Jour : Ref Zhur - Biol., No 11, 1958, 48181

Author : Leykina, E.S., Gefter, V.A., Zorikhina, V.I.
Inst : -
Title : The Application of the Agglutination Reaction with Carmine for the Early Diagnosis of Ascariasis in a Massive Examination of the Population.

Orig Pub : Med. parazitol. i parazitarn. bolezni, 1957, 26. No 5, 612-617.

Abstract : With the aid of the agglutination reaction with carmine (AR) and the reaction of microprecipitation (RM), 204 men were examined immunologically. AR proved to be less sensitive than RM, but, due to the high percentage of positive results (77.2) and the simplicity of the method, it is possible to recommend the practical application of the first reaction.

Card 1/1

ZORIKHINA, V.I.

Latex agglutination reaction in the diagnosis of echinococcosis and alveococcosis. Med. paraz. i paraz. bol. 33 no.1193-96 Ja-F '64 (MIRA 18:1)

1. Eksperimental'noye otdeleniye gel'mintologicheskogo otdela Instituta meditsinskoy parazitologii i tr--'cheskoy meditsiny (direktor - prof. P.G. Sergiyev) Ministerstva zdravookhraneniya SSSR, Moskva.

LUKASHENKO, N.P.; ZORIKHINA, V.I.

Epidemiology of alveolar echinococcosis in the central zone of the Baraba Forest Steppe, Novosibirsk Province. Med.parazit. i paraz.bol. 30 no.2:159-168 Mr-Ap '61. (MIRA 14:4)

1. Iz gel'minotologicheskogo otdela Instituta meditsinskoy parazitologii i tropicheskoy meditsiny imeni Ye.I. Martsinovskogo Ministerstva zdravookhraneniya SSSR (dir. instituta - prof. P.G. Sergiyev, zav. otdelom - prof. V.P. Podyapol'skaya).
(NOVOSIBIRSK PROVINCE—HYDATIDS)

AUTHOR: Zorikov, A.P., Technician SOV/91-58-3-18/28

TITLE: The Mounting of RT-10 Dischargers on 15 kv Power Lines (Ustanovka razryadnikov tipa RT-10 na liniyakh 15 kv) Exchange of Experience (Obmen opytom)

PERIODICAL: Energetik, 1958, Nr 3, pp 24-25 (USSR)

ABSTRACT: There are many 15 kv power lines in the Kaliningrad Oblast', but the area is short of electric equipment, in particular of lightning-protection installations along the lines and at sub-stations. Therefore a tube discharger called RT $\frac{10}{0.5\text{-}7}$ was constructed in a laboratory (Fall of 1955) and tested successfully in practice (Summer of 1956). The author complains that Soviet industry no longer produces such RTC tube dischargers for 6, 10 and 15 kv power lines.
There is 1 table.

Card 1/1

ZORIKOV, A.P., tekhnik.

Installing RT-10 lightning arresters on 15 kv lines. Energetik 6 no.3: 24-25 Mr '58. (MIRA 11:2)
(Lightning protection)

ACCESSION NR: AP4041872 S/0170/64/000/007/0057/0061

AUTHOR: Bergel'son, B. R.; Zorikoyev, G. A.

TITLE: Vigner's energy and safe operating conditions for reactor graphite

SOURCE: Inzhenerno-fizicheskiy zhurnal, no. 7, 1964, 57-61

TOPIC TAGS: Vigner energy, reactor graphite, nuclear reactor

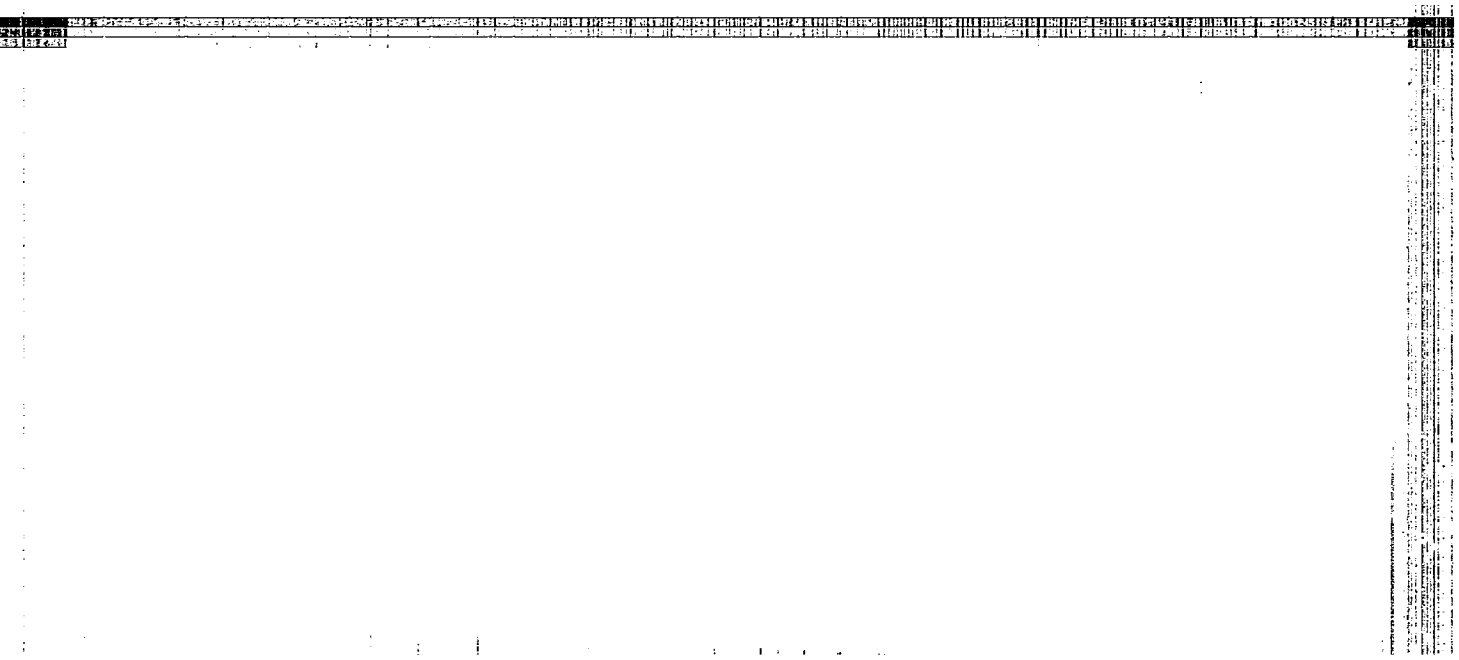
ABSTRACT: A method is suggested for determining a quantitative relationship between the safe operating temperature range for reactor graphite and the integrated neutron flux, taking into account neutron energy spectrum. The designers of graphite-moderated (or reflector) reactors can determine the safe range using the curve and the formulas given in the article. The safe operating temperature of graphite is determined from the standpoint of the internal energy accumulation in graphite under irradiation. Orig. art. has: 2 figures and 11 formulas.

Card 1/2

BERG [illegible], [illegible]; [illegible], G. [illegible].

Wigner energy and [illegible] of reactor graphite. Inzh. fiz. zhur. no.7:57-61 Jl '64. (MIRA 17:10)

1. Institut teoreticheskoy i eksperimental'noy fiziki, Moskva.



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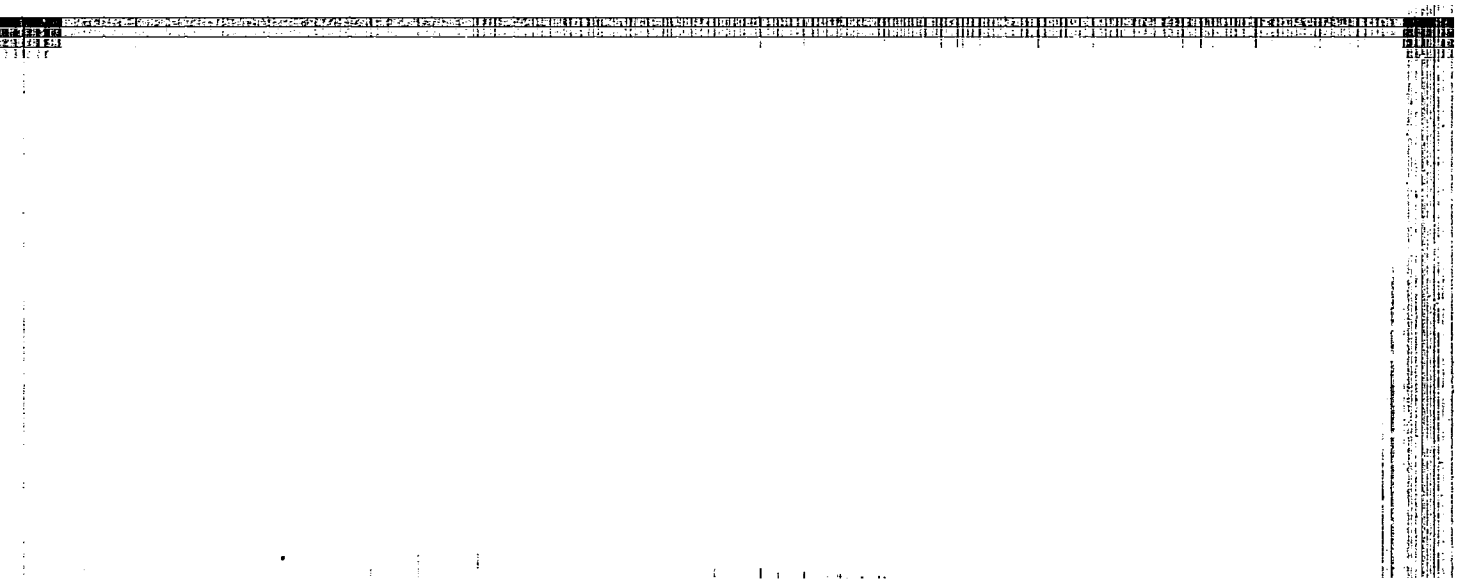

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R002065420015-6"

BUDILOV, A., pervyy pomoshchnik kapitana; STALGIS, kapitan;
ZORIN, pervyy pomoshchnik kapitana

Merchant seamen report to the party congress. Mor. flot 21 no.10:7,12,19,22,29,35,39,43 O '61. (MIRA 14:9)
(Shipping)

ZORIN, A.

Drawing up documents on the salvage of foreign ships. Mor. Flot 24 no.12:22-23 D '64. (MIRA 18:8)

1. Starshiy yuriskonsul't Chernomorskogo parokhodstva.

KUTUSHEV, F.Kh. (Leningrad K-156, prospekt Engel'sa, d.28, kv.150); ZORIN, A.B.

Analysis of phonocardiographic data in patent ductus arteriosus. Grud. khir. 6 no.2:67-71 Mr-Ap '64. (MIRA 18:4)

1. Khirurgicheskaya klinika dlya usovershenstvovaniya vrachey No.1 (nachal'nik - deystvitel'nyy chlen AMN SSSR prof. P.A.Kupriyanov [deceased]) Voyenno-meditsinskoy ordena Lenina akademii imeni Kirova, Leningrad.

ZORIN, A.B., (Leningrad, ul. Mayakovskogo, d.11, kv.52); SILIN, V.A.

Clinical significance of phonocardiography. Vest.khir.90. no.2:45-52 F'63. (MIRA 16:7)

1. Iz 1-y khirurgicheskoy kliniki usovershenstvovaniya vrachey (nachal'nik - prof. P.A. Kupriyanov) Voyenno-medistinskoy ordena Lenina akademii imeni Kirova.
(HEART—SOUNDS)

KUPRIYANOV, P.A. (Leningrad, D-123, ul. Ryleyeva, d.15.kv.6); KOLESOV,A.P.; KUTUSHEV, F. Kh.;BALLYUZEK, F.V.; SKORIK, V.I.; BURMISTROV, M.I.; LIBOV, A.S.; ZORIN,A.B.

Practice in using artificial blood circulation in surgery on the open heart. Grud.khir. 5 no.1:8-18 Ja-F'63. (MIRA 16:7)

1. Iz khirurgicheskoy kliniki usovershenstvovaniya vrachey no.1 (nachal'nik - deystvitel'nyy chlen AMN SSSR prof. P.A. Kupriyanov) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova.
(HEART—SURGERY) (BLOOD—CIRCULATION, ARTIFICIAL)

KUTUSHEV, F. Kh, (Leningrad, K-156, pr. Engel'sa, d.28, kv.150);KOLESOV, Ye.V.; UVAROV, B.S.; ZORIN, A.B.; SILIN, V.A.

Angiocardiography in cardioplegia and control of the cardiac rhythm. Vest. khir. 91 no.8:17-26 Ag'63 (MIRA 17:3)

1. Iz 1-y khirurgicheskoy kliniki usovershenstvovaniya vrachey i kafedry anesteziologii (nachal'nik - prof. P.A. Kupriyanov [deceased]) Voyenno-meditsinskoy ordena Lenina akademii imeni Kirova.

ZORIN, A.B.; PISAREV, Yu.F.

Successful radical surgery in interventricular and interatrial septal defects. Kaz. med. zhur. no.2:69-70 Mr-Ap '63 (MIRA 16:11)

1. Khirurgicheskaya klinika dlya usovershenstvovaniya vrachey No.1 (nachal'nik - deystvitel'nyy chlen AMN SSSR, prof. P.A. Kupriyanov) Voyenno-meditsinskoy ordena Lenina akademii imeni Kirova.

BURMISTROV, M. I.; ZORIN, A. B.; KOBLENTS-MISHKE, A. I.

Electrocardiography and phonocardiography in the diagnosis of defects of the interatrial septum. Grud. khir. 4 no.1:24-29 Ja-F '62. (MIRA 15:2)

1. Iz khirurgicheskoy kliniki dlya usovershenstvovaniya vrachey No. 1 (nach - prof. P. A. Kupriyanov) i kliniki propedevtiki vnutrennikh bolezney (nach. - prof. N. N. Savitskiy) Voyenno-meditsinskoy ordena Lenina akademii imeni S. M. Kirova. Adres avtorov: Leningrad K-9, prosp. Karla Marksa, d. 5/20, Klinika dlya usovershenstvovaniya vrachey.

(MITRAL VALVE--SURGERY) (BLOOD, GASES IN)
(PNEUMOTHORAX)

KUPRIYANOV, P.A.; KUTUSHEV, F.Kh.; ZORIN, A.B.

Surgical treatment of the tetralogy of Fallot. Pediatriia 41 no.5:56-57 My '62. (MIRA 15:5)

1. Khirurgicheskaya klinika dlya usovershenstvovaniya vrachey No.1 Voyenno-meditsinskoy akademii imeni S.M. Kirova (nachal'nik - prof. P.A. Kupriyanov).
(TETRALOGY OF FALLOT)

ZORIN, A. B.; MIKUTENOK, M. A.

Possibility of re-transfusion of the blood during surgical operations. Probl. gemat. i perel. krovi no.1:19-23 '62. (MIRA 15:7)

1. Iz kliniki khirurgii dlya usovershenstvovaniya vrachey No. 1 (nach. - deystvitel'nyy chlen AMN SSSR prof. P. A. Kupriyanov) Voyenno-meditsinskoy ordena Lenina akademii imeni S. M. Kirova.

(BLOOD--TRANSFUSION) (SURGERY, OPERATIVE)

KUTUSHEV, F.Kh.(Leningrad, K-156, prosp. Engel'sa, d.28,kv.150); SHANIN,Yu.N.; ZORIN, A.B.

Removal of foreign bodies from the respiratory tract. Grud.khir. no.4:104-106 Jl-Ag '62. (MIRA 15:10)

(RESPIRATORY ORGANS—FOREIGN BODIES)

ZORIN, M.A.

Development of inland waterways to be carried out during 1959.
Rech.transp. 18 no.1:31-34 Ja '59. (MIRA 12:2)

1. Nachal'nik Glavvodputi.
(Waterways)

FISHZON-RYSS, Yu.I.; KAYEVITSER, I.M.; ZORIN, N.A.

Mechanism of the formation of paroxysmal tachycardia and a form of cardiac fibrillation resembling an attack. Trudy MONIKI no.5:237-242 '62. (MIRA 16:4)

1. Iz II terapevticheskoy kliniki Moskovskogo oblastnogo nauchno-issledovatel'skogo klinicheskogo instituta imeni Vladimirskogo (zav. - doktor med.nauk L.P.Pressman) i Klinskoy bol'nitsy (glavnyy vrach - B.V.Smirnov).

(ARRHYTHMIA)

ZORIN, N. A.

ZORIN, N. A. "The productivity of labor on itinerary work and measures for its improvement," In the symposium: Materialy tekhn. soveshchaniy po putevym rabotam (M-vo rech. flota SSSR), Moscow, 1949, p. 157-175

SO: U-5240, 17Dec53, (Letopis 'Zhurnal 'nykh Statey, No. 25, 1949).

ZORIN, N. I.

Dubnikov, L. M. and Zorin, N. I. - "The Preparation of Sulphur Monofluoride and its Properties." (p. 191)

SO: Journal of General Chemistry, (Zhurnal Obshchei Khimii), 1947. Vol. 17. No. 2.

MIKHRIN, B.P.; ZORIN, N.I.

Reservoir pressure restoration in the Kutais field. Neft.khoz. 36 no.2:63-65 F '58. (MIRA 12:4)
(Kutais region--Secondary recovery of oil)

ZORIN, N. I.

USSR/Chemistry - Sulfur Compounds Feb 1947
Chemistry - Sulfur monofluoride

"The Preparation of Sulfur Monofluoride and Its Properties," L. M. Dubnikov, N. I. Zorin, 7 pp

"Zhur Obshch Khim" Vol XVII, No 2

Optimum reaction temperature, gas composition and notes on reaction vessel material. It was found impossible to obtain S_2F_2 in a pure form after the reaction 2AgF 3S = S2F2 Ag_2S since S_2F_2 is subject to dissociation in the reaction conditions.

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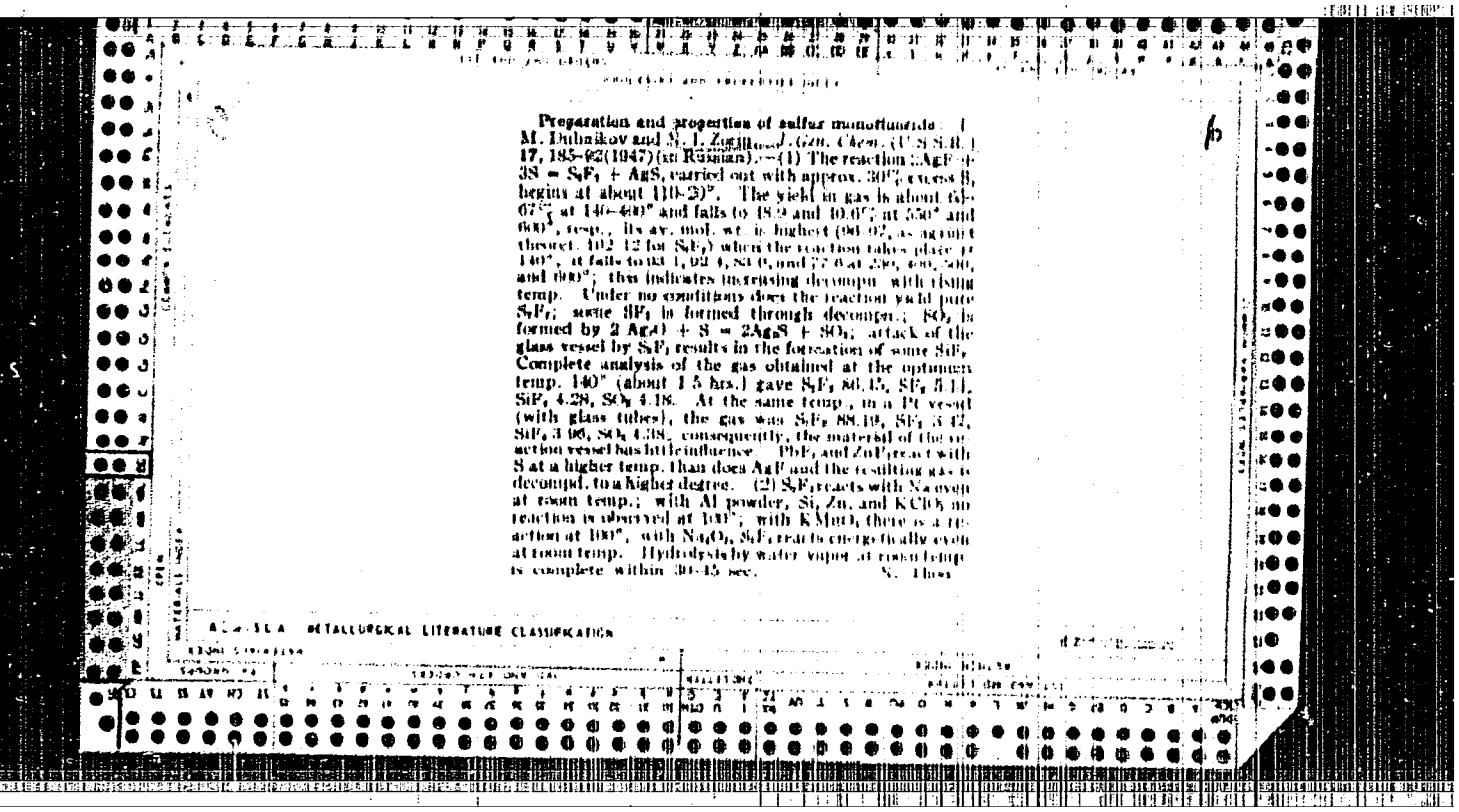

Preparation and properties of sulfur monofluoride. I M. Dubnikov and S. I. Zuzin. *J. Gen. Chem. (U.S.S.R.)* 17, 185-92(1947)(in Russian).—(1) The reaction $3AgF + 3S = S_2F_2 + Ag_2S$, carried out with approx. 30% excess S, begins at about 110-20°. The yield in gas is about 65-67% at 140-60° and falls to 18.9 and 10.0% at 550° and 600°, resp., its av. mol. wt. is highest (98.02, as against theoret. 102.12 for S_2F_2) when the reaction takes place at 140°, it falls to 81.1, 92.4, 88.0, and 77.6 at 280, 400, 500, and 600°; this indicates increasing decompn. with rising temp. Under no conditions does the reaction yield pure S_2F_2; some SF_4 is formed through decompn.; SO_2 is formed by $2Ag_2O + S = 2Ag_2S + SO_2$; attack of the glass vessel by S_2F_2 results in the formation of some SiF_4. Complete analysis of the gas obtained at the optimum temp. 140° (about 1.5 hrs.) gave S_2F_2 86.45, SF_4 5.11, SiF_4 4.28, SO_2 4.16. At the same temp., in a Pt vessel (with glass tubes), the gas was S_2F_2 88.19, SF_4 3.42, SiF_4 3.06, SO_2 4.38; consequently, the material of the reaction vessel has little influence. PbF_2 and ZnF_2 react with S at a higher temp. than does AgF and the resulting gas is decompd. to a higher degree. (2) S_2F_2 reacts with Na even at room temp.; with Al powder, Si, Zn, and $KClO_3$ no reaction is observed at 100°; with KMnO, there is a reaction at 100°, with Na_2O_2, S_2F_2 reacts energetically even at room temp. Hydrolysis by water vapor at room temp. is complete within 30-45 sec. S. Thos

A.S.T.I.A. METALLURGICAL LITERATURE CLASSIFICATION

ZORIN, N.I., kand. filosofskikh nauk, dotsent

V.I. Lenin on social determinism. Trudy MIIT no.223:142-156 '65. (MIRA 18:11)

PHASE I BOOK EXPLOITATION 934

Zubtsov, Mikhail Yefimovich, Candidate of Technical Sciences, Docent, and Zorin, Nikolay Konstantinovich, Engineer.

Shtampovka-vyrubka krupnogabaritnykh detaley (Punching Large-sized Parts) Moscow, Mashgiz, 1955. 60 p. (Series: Bibliotechka shtampovshchika, vyp. 2) 5,000 copies printed.

Ed.: Nedorezov, V.Ye., Candidate of Technical Sciences; Ed. of Publishing House: Leykina, T.L.; Tech. Ed.: Pol'skaya, R.G.; Managing Ed. for literature on machine-building technology (Leningrad Division, Mashgiz): Nikitin, P.S., Engineer; General Ed: Romanovskiy, V.P., Candidate of Technical Sciences, Docent.

PURPOSE: This booklet is intended for workers in press-forming shops as an aid in improving skills by means of exchange of progressive work experience and the introduction of advanced cold-punching methods.

COVERAGE: This booklet is the second in the series Bibliotechka shtampovshchika (Press Operator's Little Library). It describes the design of dies and the

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processes which can be used for blanking and punching large-sized parts in machine-building plants. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:

Punching Large-sized Parts 934

9. Engineering and design standards

AVAILABLE: Library of Congress

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GO/afm
12-12-58

ZORIN, N.K

ZUBTSOV, Mikhail Yefimovich, dots., kand. tekhn. nauk; ZORIN, Nikolay Konstantinovich, inzh.; ROMANOVSKIY, V.P., dots., kand. tekhn. nauk, red.; NEDOREZOV, V.Ye., kand. tekhn. nauk, red.; LEYKINA, T.L., red. izd-va; POL'SKAYA, R.G., tekhn. red.

[Stamping and blanking of large parts] Shtampovka-vyrubka krupnogabaritnykh detalei. Pod obshchei red. V.P. Romanovskogo. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1955. 60 p. (Bibliotechka shtampovshchika, no.2). (MIRA 11:7)
(Sheet metal work)

ZORIN, N.K.

VAYNTRAUB, D.A., inzh.; ROMANOVSKIY, V.P., kand.tekhn.nauk, dots., red.; MALOV, A.N., kand.tekhn.nauk, retsenzent; ZORIN, N.K., inzh. red.; POL'SKAYA, R.G., tekhn.red.

[Improving precision of stamped parts requiring punching and bending] Povyshenie tochnosti shtampuemykh detalei pri vyrubke i gibke. Pod obshchei red. V.P.Romanovskogo. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1955. 65 p. (Bibliotechka shtampovshchika, no.3)
(Punching machinery) (MIRA 11:2)

ZORIN, V.M.

ZORIN, V.M.

Epidemiological significance of different age groups of A.maculipennis in Vitebsk Province. Med.paraz. i paraz.bol. supplement to no.1:13 '57. (MIRA 11:1)

1. Iz byvshey Vitebskoy oblastnoy protivomalyariynoy stantsii.
(VITEBSK PROVINCE--MOSQUITOES AS CARRIERS OF DISEASE)

ZORIN, O.D., KHLEBNIKOV, A.E.

"Decarbonization of Metals in Oxygen-Blown Recirculation Furnaces," lecture given at the Fourth Conference on Steelmaking, A.A. Baikov, Institute of Metallurgy, Moscow, July 1-6, 1957

SOV/32-25-3-52/62

25(6)
AUTHOR: Zorin, O. D.

TITLE: An Apparatus for Simultaneously Taking Gas and Metal Samples From Steel-melting Furnaces (Pribor dlya odnovremennogo otbora prob gaza i metalla iz staleplavil'noy pechi)

PERIODICAL: Zavodskaya Laboratoriya, 1959, Vol 25, Nr 3, pp 375-376 (USSR)

ABSTRACT: An apparatus for simultaneously taking samples of metal and of the gas immediately above the slag is described (Fig). The water-cooled holding device consists of two steel tubes (D = 20 mm). A brass tube (D = 2 mm) by means of which the gas sampling is done is contained in one of the water pipes. At the end of both pipes there is a steel cartridge containing the quartz vessel for taking the metal sample. The vessel for the metal sample is a quartz tube of 120 mm length and 15 mm diameter. By the hydrostatic pressure it is filled with the sample. The sampling of the gas is done by means of a vacuum pump. The sampling process lasts for 1-1.5 minutes. A table of oxygen and carbon determinations of samples taken with the apparatus described is given (Table). There is satisfactory agreement between the results. There are 1 figure and 1 table.

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An Apparatus for Simultaneously Taking Gas and Metal Samples From Steel-melting Furnaces

SOV/32-25-3-52/62

ASSOCIATION: Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii
(Central Scientific Research Institute of Ferrous Metallurgy)

Card 2/2

ZORIN, O.D.

Mathematical and statistical balance method of calculating open-hearth furnace charges. Met. i gornorud. prom. no.2: 20-24 Mr-Ap '65. (MIRA 18:5)

ZORIN, O.D.; KUTSENKO, A.D.

Using a correlative analysis for the study of oxygen absorption by an open-hearth furnace bath from the furnace atmosphere. Izv. vys. ucheb. zav.; chern. met. 7 no.7:69-76 '64. (MIRA 17:8)

1. Institut avtomatiki Gosplana UkrSSR.

ZORIN, O.D.; SOROKIN, A.A.

Investigating the participation of an open-hearth furnace atmosphere in the oxidation of carbon. Izv. vys. ucheb. zav.; chern. met. 7 no.9:43-47 '64. (MIRA 17:6)

1. Institut avtomatiki Gosplana UkrSSR.

ZORIN, O.D.; CHEVELA, L.A.; DUBINA, Yu.G.

Iron ore consumption in the finishing period and the efficiency of its use. Izv. vys. ucheb. zav.; chern. met. 7 no.11:53-58 '64. (MIRA 17:12)

1. Institut avtomatiki Gosplana UkrSSR.

ZORIN, O.D., Cand Tech Sci --- (diss) "Study of the process of decarbonizing steel in a recirculation steel-smelting furnace." Mos, 1959. 22 pp (Glavniiproyekt under Gosplan USSR. Central Sci Research Inst of Ferrous Metallurgy). 110 copies (KL, 39-59, 104)

ZORIN, O. D.

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PHASE I BOOK EXPLOITATION SOV/5411

Konferentsiya po fiziko-khimicheskim osnovam proizvodstva stali. 5th, Moscow, 1959.

Fiziko-khimicheskiye osnovy proizvodstva stali; trudy konferentsii (Physicochemical Bases of Steel Making; Transactions of the Fifth Conference on the Physicochemical Bases of Steelmaking) Moscow, Metallurgizdat, 1961. 512 p. Errata slip inserted. 3,700 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Institut metallurgii imeni A. A. Baykova.

Responsible Ed.: A. M. Samarin, Corresponding Member, Academy of Sciences USSR; Ed. of Publishing House: Ya. D. Rozenstveyg. Tech. Ed.: V. V. Mikhaylova.

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Physicochemical Bases of (Cont.) SOV/5411

PURPOSE: This collection of articles is intended for engineers and technicians of metallurgical and machine-building plants, senior students of schools of higher education, staff members of design bureaus and planning institutes, and scientific research workers.

COVERAGE: The collection contains reports presented at the fifth annual convention devoted to the review of the physicochemical bases of the steelmaking process. These reports deal with problems of the mechanism and kinetics of reactions taking place in the molten metal in steelmaking furnaces. The following are also discussed: problems involved in the production of alloyed steel, the structure of the ingot, the mechanism of solidification, and the converter steelmaking process. The articles contain conclusions drawn from the results of experimental studies, and are accompanied by references of which most are Soviet.

25(6), 18(7)

SOV/32-25-4-51/71

AUTHOR: Zorin, O. D.

TITLE: Slag Sampling Apparatus (Pribor dlya otbora prob shlaka)

PERIODICAL: Zavodskaya Laboratoriya, 1959, Vol 25, Nr 4, pp 489 - 490 (USSR)

ABSTRACT: An apparatus has been designed by means of which it is possible to study continuously - i.e. over the entire thickness - slag coatings with regard to their composition and structure, and thus to determine the layer composition at the border between the gas and metal phases. The apparatus (Fig) is basically a bowl-shaped steel casting with a bottom that can be closed. The bowl is introduced into the slag while the bottom is open. It closes as soon as the wire which serves to keep the bowl open melts in the slag. Investigations carried out by means of this apparatus showed, for instance, in the case of a 400-ton Martin furnace that the slag coating is composed of several layers. Immediately above the metal (up to 40 - 45 mm high) the slag is black and contains metallic sequit of the metal (diameter = 2-5 mm).

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Slag Sampling Apparatus

SOV/32-25-4-51/71

In the following layers (50-90 mm) the slag is dark grey, less porous, and contains fewer and smaller metallic reguli (diameter - up to 1 mm). The zone of 80-120 mm is in contact with the gas phase. It is light grey, its structure is dense and finely crystalline, and it breaks like stone. For petrographical investigations it is possible to obtain, by means of the apparatus described, both quenched samples and samples which are cooled slowly by using brass or fireproof clay bowls. There is 1 figure.

ASSOCIATION: Tsentral'nyy nauchno-issledovatel'skiy institut chernykh metallov (Central Scientific Research Institute of Ferrous Metals)

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S/148/60/000/006/013/016/XX
A161/A030

AUTHOR: Zorin, O.D.

TITLE: Regularities in Decarbonization Utilized for the Automatic Control of a Steel Furnace

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Chernaya metallurgiya, 1960, No. 6, pp. 54 - 58

TEXT: The Central Scientific Research Institute of Iron Metallurgy has studied 680 heats in 385-ton basic open-hearth furnaces and in a recirculation-type 10-ton basic oxygen furnace, with and without the addition of oxygen, compressed air and high-pressure steam. The process of decarbonization was watched by measuring the carbon content before and after the fusion of metal, and in the course of fusion. A variety of curves was observed, and three basic types of curve were stated: straight-line (Fig. 1) - constant decarbonization rate; concave (Fig. 2) - continually dropping rate; convex (Fig. 3b, c). The process may correspond to one of the types, or to a combination of these (Fig. 4). The first curve can be expressed by the equation $[\% C]_\tau = [\% C]_H - \alpha$, (1) where $[\% C]$ - carbon concentration in metal at the check moment, %; α - the decarbonization

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S/148/60/000/006/013/016/XX
A161/A030

Regularities in Decarbonization Utilized for the Automatic Control of a Steel Furnace

rate factor; τ - heat time at the carbon check moment, min; $[\% C]_H$ - carbon concentration at the start of the check (e.g., at the moment of fusion, %. The equation of the second type curve is: $[\% C] = \alpha(\tau - \tau_K)^2 + [\% C]_K$, (2) where τ_K - heat time at the end of the check (e.g., before deoxidation), min; $[\% C]_K$ - carbon concentration in metal at the end of the check. The third curve type can also be expressed with a corresponding curve. The Equations (1) and (2) describe the typical process, and they may be used for the development of automatic furnace control in the fusion and finishing periods. It is only necessary to know the C concentration at the start of check to use the Equation (1); the C content can be determined by conventional means. The time τ is arbitrary, and the α factor must be found empirically in a special study for the furnace and certain process conditions. The C content can be calculated with sufficient accuracy in advance for any moment during the heat. In the Equation (2) it is necessary to know the α value, the τ_K time, the $[\% C]_K$ at the end of check, and the time τ. All values except α are arbitrary and must be predetermined. No new methods of metal analysis are needed. A statistical study of one or several furnaces will be necessary preliminarily to the investigation of the decarbonization process

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S/148/60/000/006/013/016/XX
A161/A030

Regularities in Decarbonization Utilized for the Automatic Control of a Steel Furnace

for developing the automatic control system. The computer centers (MSS) at the plants will have to process the statistical data, and a special computation method will have to be developed to reflect accurately the entire heat process with all its specific pecularities. An 80-column perforation set would be the most suitable. Conclusions: 1) The great variety of decarbonization curves may be presented in three basic curve types and their combinations. 2) A study of the technological heat conditions ought to start with a definition of heats by the basic curve types. This will enable a classification of the process parameters and means for obtaining the wanted decarbonization curve. 3) The equations of decarbonization curves may be used for the development of automatic furnace control during the fusion and finishing. There are 4 figures.

ASSOCIATION: Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii (Central Scientific Research Institute of Iron Metallurgy)

SUBMITTED: November 30, 1959

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S/148/60/000/006/013/016/XX
A161/A030

Regularities in Decarbonization Utilized for the Automatic Control of a Steel Furnace

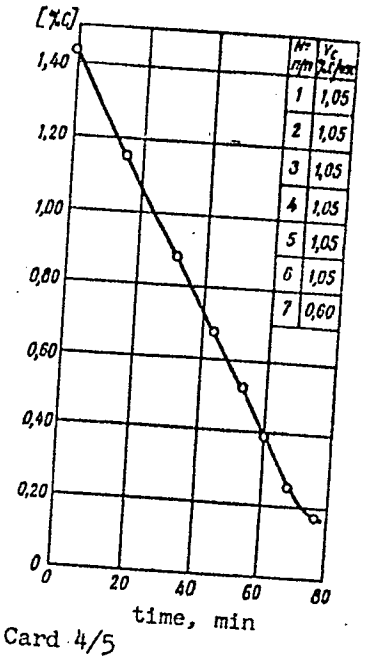
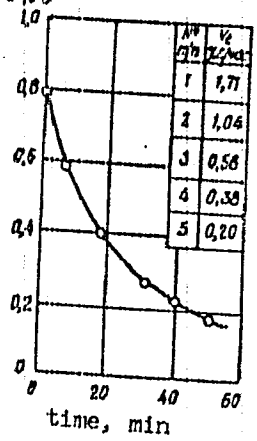


Figure 1

Figure 2



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A161/A030

Regularities in Decarbonization Utilized for the Automatic Control of a Steel Furnace

Figure 3

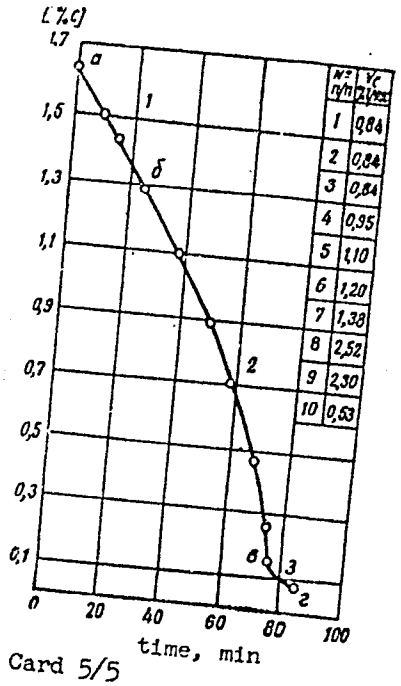

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Figure 4