PANFILOV, B.N.

Mechanical base for die-casting machines, models 513 and "Pollak 2255 and 5065." Lit. proizv. no.3:11-12 Mr '61. (MIRA 14:6)
(Die casting) (Foundries--Equipment and supplies)

PANFILOV, D.

SHAROV, A. and PANFILOV, D. "The Japanese oak silkworm Antherala jama-mai G.-M. in the seacoast regions", Nauch.-metod. zapiski (Council of Ministers, RSFSR, Main administration for natural reservations), Issue 11, 1946, p. 221-22.

SO: U-3042, 11 March 53, (Letopis 'Zhurnal 'nykh Statey, No.7 1949).

PANFILOV, D.A.

"Observations and studies of soil fauna." Reviewed by D.A. Panfilov. Pochvovedenie 11:83-85 N '56. (MLRA 10:2)

(Soil fauna)

PANFILOV, D.F. (Gor'kiy)

Testing the strength of ice in lowering pipes from an ice sheet. Stroi. truboprov. 8 no.9:10-12 S '63.
(MIRA 16:11)

PANFILOV, D.F., inzh.

Experimental research into the load capacity of ice. Izv.VNIIG 64:101-115 '60. (MIRA 14:5)

(Ice on rivers, lakes, etc.)

PANFILOV, D.F.

Calculation of the load limit of an ice cover when loads are standing on the ice. Izv.vys.ucheb.zav.; stroi. i arkhit. 4 no.6:47-57 '61. (MIRA 15:2)

1. Gor'kovskiy inzhenerno-stroitel'ny institut imeni V.P. Chkalova.

(Ice on rivers, lakes, etc.)

PANFILOV, D.F., kand.tekhn.nauk

Methods of calculating the carrying capacity of ice. Gidr. stroi. 33 no.4:39-42 Ap '63. (MIRA 16:4)
(Ice on rivers, lakes, etc.)

PANFILOV, D.F., inzh.

Approximation method of calculating the load capacity of ice. Izv. VNIIG 65:221-224 '60. (MIRA 14:5)
(Ice on rivers, lakes, etc.)

PANFILOV, D. F. Cand Tech Sci -- "On the problem of using the lifting capacity of ice crust in construction of hydraulic structures." Len, 1961. (Min of Construction of Electric Power Stations USSR. All-Union Sci Res Inst of Hydraulic Engineering im B. Ye. Vedeneyev). (KL, 4-61, 199)

LERMAN, M.D.; MANDEL', R.B.; ZHAVORONKOVA, Z.V.; PANFILOV, D.I.

Finishing furniture panels with polyester varnish in forms.
Der. prom. 13 no.7:26-27 Jl '64.
(MIRA 17:11)

PANFILOV, D.I. (Moskva)

Metastatic cancer of extramedullary localization. Zhur. nevr. i psikh. 61 no.11:1636-1643 '61. (MIRA 15:2)
(SPINAL CORD--CANCER) (CANCER)

PANFILOV,D.P.; RAZZORENOV,F.F.

Sludge. Meteor.i gidrol. no.5:43-44 My '53. (MLRA 8:9)

1. Gor'kovskoye UGMS, Volzhskaya ekspeditsiya, Mosgidep.
(Ice on rivers, lakes, etc.)

PANFILOV, D.V.; ZIMINA, L.V.

Some data on the nestling and behavior of bumblebees (Hymenoptera, Bombus). Biul.MOIP.Otd.biol. 67 no.3:38-44 My-Je '62. (MIRA 15:11)

(Tula Province--Bumblebees)

PANFILOV, D.V.; SHAMURIN, V.F.; YURTSEV, B.A.

More on conjugate distribution of bumblebees and leguminous plants in the Arctic. Biul.MOIP.Otd.biol. 67 no.3:130-131 My-Je '62. (MIRA 15:11)

(Arctic regions--Bumblebees) (Arctic regions--Leguminosae)

PANFILOV, D.V.

New species of flower wasps (Hymenoptera, Masaridae) from Kirghizistan. Sbor. trud. Zool. muz. MGU 8:165-169 '61. (MIRA 15:5)

(Kirghizistan--Masaridae)

SOV/26-59-1-34/34

AUTHOR: Panfilov, D.V., Candidate of Biological Sciences

TITLE: Life Conditions of Insects in Winter (Usloviya zimney zhizni nasekomykh)

PERIODICAL: Priroda, 1959, Nr 1, pp 127 - 128 (USSR)

ABSTRACT: The author sketches diverse aspects of insect hibernation. Insects may hibernate in the pre-adult stages of eggs and inert pupae or as adults. Insects have become adjusted to cope with changing seasons and have developed body-chemical adaptations to long periods of cold and frost. The endurance of the cold itself is not the real problem, but avoidance of excess evaporation of the water in the body and of freezing of this water in the body due to repeated temperature changes from cold to warm and warm to cold in an unusual winter. Threads wrapped about the eggs and cocoons of pupae are to protect the animal from evaporation of body water. Chemical changes within the body bind certain amounts of water during cold periods. If too much water becomes

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free in the body during intermittent warm weather, sudden cold temperatures would cause freezing of this water and subsequent rupture of internal organs. This was observed in winter 1947/48, when many bumblebees perished in the central parts of European USSR, due to many temperature changes.

ASSOCIATION: Institut geografii AN SSSR /Moskva (The Geographical Institute of the AS USSR /Moscow)

PANFILOV, D.V.

Structure and dynamics of the range of animal species.
Vop.geog. no.48:90-102 '60. (MIRA 13:7)
(Zoogeography)

PANFILOV, Dmitriy Viktorovich; POMALEN'KAYA, O.T., red.; LAZAREVA, L.V., tekhn. red.

[Insects in tropical forests of South China] Nasekomye v tropicheskikh lesakh IUzhnogo Kitaia. Moskva, Izd-vo Mosk.univ., 1961. 146 p. (Moskovskoe obshchestvo ispytatelei prirody. Sredi prirody, no.52) (MIRA 14:12)

(China, Central and South--Forest insects)

PANFILOV, D.V.; ROSSOLIMO, O.L.; SYROYECHKOVSKIY, Ye.Ye.

Species and geographical distribution of Bombinae in Tuva. Izv. Sib.otd.AN SSSR no.6:106-113 '61. (MIRA 14:6)

1. Institut geografii AN SSSR, Moskva.
(Tuva autonomous province—Bumblebees)

PANFILOV, D.V., kand. biol. nauk

"Rock forest" in southern China. Priroda 47 no.9:92-95 S '58.
(MIRA 11:9)

1.Institut geografii AN SSSR, Moskva.
(China--Rocks, Sedimentary)

PANFILOV, D.V., kand. biolog. nauk (Moskva)

Bloodsucking mosquitoes. Priroda 51 [i.e. 52] no.5:126-127 '63. (MIRA 16:6)

(Mosquitoes)

USSR/General and Specialized Zoology - Insects. P.

Abs Jour : Ref Zhur - Biol., No 8, 1958, 35211

Author : Panfilov, D.V.

Inst : The Moscow City Pedagogical Institute.

Title : To the Ecological Conditions of Bumble-bees found in Moscow Oblast'.

Orig Pub : Uch. zap. Mósk. gor. ped. inOta, 1956, 61, 467-483.

Abstract : The fauna of 25 species of bumble-bees and their ecologic distribution on the territory of the Moscow oblast were given. The nesting habitats, ecologic grouping, daily activities of the bumble-bees and the plants they visited were described.

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SOV-26-58-9-17/42

AUTHOR: Panfilov, D.V., Candidate of Biological Sciences

TITLE: "Stone Forests" in the South of China ("Kamennyye lesa" na yuge Kitaya)

PERIODICAL: Priroda, 1958, Nr 9, pp 92-95 (USSR)

ABSTRACT: In the Yunnan' uplands in the south and southwest provinces of Red China there is a Shih-ling or "Stone Forest" in a limestone cave district. It is situated about 100 km southeast from the town of Kunming at 2,000 m above sea level. The "Stone Forest" landscape consists of 5 to 10 and 20 to 30-m-high limestone towers and obelisks in 2 to 3 km sq patches, eastward to the adjacent province of Kweichow. The area was visited in July 1956 by a joint Chinese-Soviet zoological and botanical expedition. The limestone (the compository element) is highly close-grained, strongly-changed in structure, crystallic with thick veins of white quartz in places. The limestone layers are horizontal or slightly sloping. There are 7 photos.

ASSOCIATION: Institut geografii AN SSSR /Moskva (The Institute of Geography/ Moscow)

1. Rocks--Formation--China

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PANFILOV, D.V., kand.biol.nauk.

Early pollinating insects. Priroda 47 no.4:126 Ap '58.
(MIRA 11:4)

1.Institut geografii AN SSSR, Moskva.
(Insects) (Fertilization of plants)

MASLOV, Aleksey Vasil'yevich. Prinimali uchastiye: PANFILOV, A.T.; ALEKSANDROV, N.N., dotsent; SOBERAYSKIY, K.S., dotsent; YAUSHEV, F.M., starshiy prepodavatel'; SAKOVTSEV, B.P., starshiy prepodavatel'; YUNUSOVA, T.A., inzh.. VASIL'YEVA, V.I., red.izd-va; ROMANOVA, V.V., tekhn.red.

[Directions for surveys with plane-table and theodolite at a scale of 1:10,000] Nastavlenie po proizvodstvu menzul'nykh i teodolitnykh s"emok v masshtabe 1:10000. Moskva, Izd-vo geod.lit-ry, 1960. 322 p. (MIRA 13:8)

1. Russia (1923- U.S.S.R.) Gosudarstvennaya inspektsiya po zemlepol'zovaniyu i zemleustroystvu. 2. Zaveduyushchiy kafedroy geodezii Moskovskogo instituta inzhenerov zemleustroystva (for Maslov). 3. Nachal'nik gosudarstvennoy inspektsii po zemleustroystvu i zemlepol'zovaniyu Ministerstva sel'skogo khozyaystva SSSR (for Panfilov). (Surveying)

Panfilov, D.V.

CHINA / General and Special Zoology. Insects. Systematics and Faunistics. P

Abs Jour: Ref Zhur-Biol., No 21, 1958, 96414.

Author : Panfilov, D. V.
Inst : Not given.
Title : Distribution of Bumble Bees (Bombus) in China.

Orig Pub: Acta geogr. sinica, 23, No 3, 221-228.

Abstract: Fauna characteristics of the bumble bees in China, where there are 110 species at present. On the basis of their distribution on the territory of China there are at present four zoogeographical subregions: Japanese-Chinese-Himalayan, Asian mountainous, European-Kazakhstan-Mongolian and European-Siberian; these in turn are divided into 13 provinces. Characteristic species of

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CHINA / General and Special Zoology. Insects. P
Systematics and Faunistics.

Abs Jour: Ref Zhur-Biol., No 21, 1958, 96414.

Abstract: bumble bees are cited for each of the provinces. The value of this group of insects, zoogeographical structures and landscape conditions are underscored. -- G. A. Viktorov.

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PANFILOV, D.V.; SHAMURIN, V.F.; YURTSEV, B.A.

Conjugate distribution of bumblebees and leguminous plants in the Arctic. Biul.MOIP. Otd.biol. 65 no.3:53-62 My-Je '60. (MIRA 13:7)

(ARCTIC REGIONS--BUMBLEBEES)
(ARCTIC REGIONS--LEGUMINOSAE)
(FERTILIZATION OF PLANTS)

3(3) SOV/10-59-3-3/32

AUTHOR: Panfilov, D.V.

TITLE: The Boundary Between Tropical and Subtropical Landscapes in East Asia (According to Research Material on Yunnan).

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geograficheskaya, 1959, Nr 3, pp 31-41 (USSR)

ABSTRACT: In 1956/57, the author took part in a Chinese-Soviet zoological and botanical expedition which stayed for about six months in Central and South China, especially in the province of Yunnan. The author studied in particular the problem of boundaries between the tropics and the humid subtropics. This problem is difficult to study, because both in Europe and in Asia (except China) tropics are sharply separated from subtropics either by seas, deserts or high mountains. The author first distinguishes and characterizes 3 climatic zones of Yunnan: the zone of low valleys, passes and forests; the climate of the southern peripheral slopes of the Yunnan Highlands, from about 900 m to about 2,500 m and the climate of the Yunnan Highlands. He thoroughly describes all kinds

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The Boundary Between Tropical and Subtropical Landscapes in East Asia (According to Research Material on Yunnan).

of landscapes in Yunnan: valleys with adjoining terraces, passes and interfluvial areas. He tries to find out how tropics can be distinguished from subtropics in that province. He states that from the standpoint of biology the boundary is not indentical with the annual average temperature line because a great deal of typically-tropical organisms are able to live and actually do live in a form of tropical biological protuberances extending into the subtropics. The reason is because those organisms are better able to preserve their biologically-needed stock of water in themselves (their struggle against "physiological dryness") provided the subtropical area is sufficiently humid, whereas typically-subtropical organisms are not able to match the attacks of tropical heat. But yet there are cases where the gradual passage between tropics and subtropics turns a real curtain (this applies in particular to subtropical organisms). There are 18 references, 17 of which are Soviet and 1 German.

SOV/10-59-3-3/32

The Boundary Between Tropical and Subtropical Landscapes in East Asia (According to Research Material on Yunnan)

ASSOCIATION: Institut geografii AN SSSR (Institute of Geography of the AS USSR).

Card 3/3

PANFILOV, D. V.

PANFILOV, D. V. - "Hexapoda: Insects Affecting Alfalfa in Stalin-gradskaya Oblast." Sub 19 Sep 52, Moscow Order of the Lenin State U imeni M. V. Lomonosov. (Dissertation for the Degree of Candidate in Biological Science).

SO: Vechernaya Moskva January-December 1952

PANFILOV, D.V.

Hymenoptera, Apterogynidae fauna of the U.S.S.R. Trudy Zool. inst. 15:146-153 '54. (MLRA 7:7)
(Hymenoptera)

1. PANFILOV, D. V.

2. U33R (600)

4. Bumblebees

7. Bumblebees of the subgenus Cullumanobombus Vogt (Hymenoptera, Apoidea). Trudy Vses. ent. obshch. 43. 1951.

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

PANFILOV, D.V.

Contribution to the taxonomy of bumble-bees (Hymenoptera, Bombinae), including a description of new forms [with English summary in insert]. Zool.zhur.35 no.9:1325-1334 S '56. (MLRA 9:12)

1. Zoologicheskiy muzey Moskovskogo gosudarstvennogo universiteta imeni M.V.Lomonosova.
(Bumblebees)

PANFILOV, DMITRIY VIKTOROVICH

Nasekomyye v Tropicheskikh Lesbakh Yuzhnogo Kitaya. Moskva, Izd-vo Moskovskogo Unversiteta, 1961.

146 p. Illus., Diagrs., Maps. (Moskovskoye Obshchestvo Ispiateley Prirody. Sredi Prirody, Vyp. 52)

PANFILOV, D.V.

Subfossil insect remnants from Serebryanyy Bor. Biul.MOIP. Otd.biol. 70 no.5:115-116 S-O '65. (MIRA 18:12)

PANFILOV, F., starshiy lettenant, rukovoditel' gruppy politzanyatiy

Work demanding inspiration. Komm. Vooruzh. Sil 4 no.8: 72-74 Ap '64. (MIRA 17:6)

PANFILOV, G.; ZDANOVSKIY, S.

Experiment verified by life. Okhr. truda i sots. strakh. no.1:42-44 Jl '58. (MIRA 11:12)

1.Predsedatel' komissii okhrany truda Pervogo gosudarstvennogo podshipnikovogo zavoda (for Panfilov). 2.Nachal'nik otdela bezopasnosti Pervogo gosudarstvennogo podshipnikovogo zavoda (for Zdanovskiy).

(Industrial safety)

PANFILOV, G.

"To make roses bloom and the gardens grow next to the concrete and steel..." Okhr. truda i sots. strakh. 4 no.6:14-15 Je '61. (MIRA 14:7)

1. Predsedatel' komissii okhrany truda zavkoma 1-go Gosudarstvennogo podshipnikovogo zavoda.
(Moscow--Bearing industry--Hygienic aspects)

PANFILOV, G.; VASILYUK, V.

Automation of production and industrial safety. Sov. profsoiuzy 7 no.17:31-33 S '59. (MIRA 12:11)

1.Predsedatel' komissii okhrany truda 1-go Gosudarstvennogo podshipnikovogo zavoda (for Panfilov). 2.Tekhnicheskiy inspektor Moskovskogo gorodskogo soveta professional'nykh soyuzov (MGSPS) (for Vasieyuk)
(Bearing industry--Safety measures)

PANFILOV, G.

Be tactful with those offering efficiency suggestions. Fin. SSSR 19 no.6:58 Je '58. (MIRA 11:6)

1. Predsedatel' komissii po ratsionalizatorskim predlozheniyam Vladimirskogo oblfinotdela.
(Vladimir Province--Finance)

PANFILOV, G.

Increase the activity of efficiency promoters. Fin. SSSR 17 no.12:62-63 D '56. (MLRA 10:1)

(Vladimir Province--Finance)

PANFILOV, G.; PLATITSIN, V., yurist, Geroy Sovetskogo Soyuza

Important role of a public inspector. Okhr. truda i sots. strakh. 3 no. 10:44-45 O '60. (MIRA 13:11)

1. Predsedatel' komissii okhrany truda zavkoma 1-go Gosudarstvennogo podshipnikovogo zavoda.
(Bearing industry--Hygienic aspects)

PANFILOV, G.; LEBEDEV, A.; VATULIN, I.

The banner of the precongress competition is raised! Okhr. truda i sots. strakh. 4 no.3:4-5 Mr '61. (MIRA 14:3)

1. Predsedatel' komissii okhrany truda zavkoma Pervogo gosudarstvennogo podshipnikovogo zavoda (for Panfilov). 2. Nachal'nik otdela tekhniki bezopasnosti zavoda "Serp i molot" (for Lebedev). 3. Predsedatel' komissii okhrany truda Moskovskogo avtozavoda imeni Likhacheva (for Vatulin).
(Industrial hygiene)

PANFILOV, G.A.

BEDNYAGINA, N.P.; PANFILOV, G.A.; POSTOVSKIY, I.Ya.

Chemistry of naphthacene. Part 7: Nitration of naphthacene.
Zhur.ob.khim. 28 no.2:365-368 F '58. (MIRA 11:4)

1.Ural'skiy politekhnicheskiy institut.
(Nitration) (Naphthacene)

SHULUTKO, M.L., kand.med.nauk; PANFILOVA, G.A., kand.med.nauk

Intrathoracic interventions in primary tuberculosis in children and adolescents. Probl. tub. 40 no.6:31-35'62 (MIRA 16:12)

1. Iz Sverdlovskogo nauchno-issledovatel'skogo instituta tuberkuleza (dir. - prof. I.A. Shaklein, zamestitel' direktora po nauchnoy chasti - kand. med. nauk N.G.Butkin).

BERLYAND, M.Ye.; PANFILOVA, G.A.

Forecasting the time of fog dissipation. Trudy GGO no.138: 73-81 '63. (MIRA 17:2)

PANFILOV, G. A.,

79-2-20/64

AUTHORS: Bednyagina, N. P., Panfilov, G. A., Postovskiy, I. Ya.

TITLE: On the Chemistry of Naphthacene (K khimii naftatsena)
VII. The Nitrating of Naphthacene (VII. Nitrovaniye naftatsena)

PERIODICAL: Zhurnal Obshchey Khimii, 1958, Vol. 28, Nr 2, pp. 365 - 368 (USSR)

ABSTRACT: This information was published in Zhurnal Obshchey Khimii, 20,1711, (1950). Due to the hard accessibility of the naphthacenic hydrocarbon its chemistry has been little investigated. Thus e.g. its nitrating has not yet been described in publications. The investigation carried out by the authors shows that naphthacene in nitrating behaves analogous to anthracene. Naphthacene forms unstable hydronitro products at the expense of the addition of nitric acid at the para-positions of one of the central rings. At the second central ring no addition takes place any more, probably because the addition at the first ring splits the molecule in two isolated aromatic systems: into the benzene- and naphthalene system which do not possess any active meta-positions. The obtained hydronitro derivatives of naphthacene, like the corresponding products of the anthracene series, represent little stable compounds. On heating in organic solvents, in attempts to recrystallize them, they are readily and completely converted to pure p-naphthacene quinone.

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On the Chemistry of Naphthacene. VII. The Nitrating of Naphthacene

Anaquinone or other products were not found in this connection. This indicates that the addition during nitrating only takes place at para-positions. To conclude from the constants and the values of the analyses dihydronitro derivates, even without additional purification, represent comparatively pure individual compounds. The most stable 9-nitro-10-acetoxydihydronaphthacene can be recrystallized from glacial acetic acid which was heated to 50°C. The production and the investigation of 9-nitronaphthacene are rendered difficult due to its extraordinary unstability. It is much less stable than 9-nitroanthracene and on heating in various organic solvents or during storage at low temperatures and especially in light it rapidly decomposes and is converted to p-naphthacene quinone. 9-nitronaphthacene can be recrystallized by putting in boiling water and rapidly cooling the solution after filtration. In a dry, crystalline state it is stable and can be stored. In contrast to the yellow 9-nitroanthracene, 9-nitronaphthacene is red. Summary: 1) It was found that on nitrating of naphthacene an addition product - 9-nitro-10-oxydihydronaphthacene (II) forms. By the influence of acetic acid it is converted to 9-nitro-10-acetoxydihydronaphthacene (III), and by the influence of concentrated hydrochloric acid in 9-nitro-10-chlorodihydronaphthacene (IV). 2) The authors produced 9-nitronaphthacene (V) by the influence of

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On the Chemistry of Naphthacene. VII. The Nitrating of Naphthacene

30 % NaOH upon 9-nitro-10-chlorodihydronaphthacene (IV). 3) It was found that the dihydronitro derivatives of naphthacene (II-IV) and 9-nitronaphthacene are still more unstable than the corresponding compounds of the anthracene series. On heating with solvents or without solvents they are easily converted to p-naphthacene quinone. There are 5 references, 1 of which is Slavic.

ASSOCIATION: Urals Polytechnical Institute
(Ural'skiy politekhnicheskiy institut)

SUBMITTED: January 7, 1957

AVAILABLE: Library of Congress

Card 3/3

30828. PANFILOV, G. S.

Rele dlya predotvrashcheniya raboty elektrodvigateley na dvokh fazakh. Prom. energetika, 1949, No. 10, s. 12-13.

PANFILOV, G. S.

"Relay for Preventing Electric Motors from Operating on Two Phases," Prom. Energet., No. 10, 1949. State Bearing Factory im. L. M. Kaganovich, -c1949-.

PANFILOVA, G.V.

Late results of the treatment of herpetic keratitis. Uch. zap. UEIGB 5:195-197 '62 (MIRA 16:11)

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PANFILOV, I.A.

VORONTSOV, B.N.; PANFILOV, I.A.

Allowances for wear of thin wires. Izm.tekh. no.5:17-19 S-O '57.
(MLRA 10:9)

(Mechanical wear) (Wire)

VOLOSHIN, A.M., inzh.; PANFILOV, I.D., tekhnik; USTIMENKO, A.A., tekhnik

Ventilating a mine section with the collector-drift in the hanging wall of the ore body. Met. i gornorud. prom. no.4:76-77 Jl-Ag '63. (MIRA 16:11)

1. Rudnik im. Dzerzhinskogo, Krivoy Rog.

PANFILOV, I.I.; MIRSKIY, G.G. glavnyy inzhener; KARTSEV, V.N., arkhitektor.

Elevator shafts in apartment houses. Gor. khoz. Mosk. 32 no.3:35-36 Mr '58. (MIRA 11:3)

1. Nachal'nik Proyektnoy kontory Moszhilupravlenya (for Panfilov). (Moscow--Elevators)

ACCESSION NR: AT4026349 S/0000/62/000/000/0117/0122

AUTHOR: Posternak, Ya. I.; Panfilova, I.I.; Shturman, Ya.P.; Shokhat, V. S.

TITLE: The LEM-1-24 universal automatic computer with ferrite-diode modules

SOURCE: Konferentsiya po obrabotke informatsii, mashinnomu perevodu i avtomaticheskomu chteniyu teksta. Moscow, 1961. Vy"chislitel'naya i informatsionnaya tekhnika (Information processing and computer technology); sbornik materialov simpoziuma. Moscow, 1962, 117-112

TOPIC TAGS: data processing, memory, LEM-1-24 computer, ferrite diode module

ABSTRACT: The article describes the new LEM-1-24 computer - an improved version of the old LEM-1-16. The machine is designed not only to solve mathematical problems, but also to perform experimental work, related to the solution of logical and information problems. Using parallel-series operation, the computer has a fixed point and operates with 24 bits. The majority of operations are performed at a speed of 30 cycles at a frequency of 30 kilocycles. This means an operation speed of 1000 operations per second, with the exception of multiplication (500 operations) and division (about 85 operations per second). While individual commands, such as division and individual print-out are being performed, other operations may proceed simultaneously.

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ACCESSION NR: AT4026349

As compared with the older model, there is a negligible loss of speed in the LEM-1-24 (17%), but this reduction is compensated by the transition from two-cycle to one-cycle execution of a number of operations. The command coding system is of the combined type: one-address with respect to the memory devices and full three-address with respect to the internal registers of the arithmetic unit. The presence in the arithmetic unit of 7 memory cells and complete three-address access to them sharply reduces the number of accessions to the memory devices (by approximately 65%) and reduces the number of commands required for problem solution. A characteristic feature of the machine is the presence of an articulated arithmetic unit (block) consisting of individual units for arithmetic operations: adder, multiplier, divider, logical operation circuit, memory registers, and also a large internal machine memory for 8 thousand addresses. Used as the operational memory in the computer is the magnetic operational memory device MOZU-1000 with ferrite cores, produced by the Astrakhanskiy zavod matematicheskikh mashin (Astrakhan Mathematical Machine Plant). This device can store 1024 48-bit binary numbers. Since the machine operates with 24-bit numbers, for more effective use of the MOZU-1000, the entire memory unit was arbitrarily broken down into two groups with 1024 24-bit numbers in each. An ST-35 page-printer telegraph set is used with the machine for information read-in and read-out. The result at output is printed and punched with conversion to a decimal or octal system of counting. At the same time, system-to-system switching is accomplished by a structural

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ACCESSION NR: AT4026349

circuit and does not encumber the machine with transformations or conversions. The computer has a fairly universal repertoire consisting of 38 operation codes. Total power consumption is in the order of 5-6 kilowatts. The computer does not require cooling and can be easily installed in an area of 25-30 $m^2$. The operation of the previously designed LEM-1-16 computer had shown the advantages of ferrite-diode modules. Averaged data for a period of more than three years operation of the machine indicated that these modules were of high reliability. During that time, the mean failure was not more than 1 element per month out of 3,000 units (about 0.03%), and 80% of the element failures were attributable to faults in mounting or instaliation. The machine is simple to produce, easy to adjust and of relatively low cost; operational expenditures are very low. Orig. art. has: 2 figures.

ASSOCIATION: None

SUBMITTED: 00 DATE ACQ: 16Apr64 ENCL: 00

SUB CODE: CP NO REF SOV: 004 OTHER: 000

Card 3/3

PANFILOV, I. I.

29156. Padsolnechnik v Bashkirii i ego agrotekhnika trudy bashkir, nauch-issled. polevod stantsii, t. III, 1948 (kolon-titul; 1947), S. 286-302. Bibliogr: 5 nazv.

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

DRUYAN, M.A.; PEREVEZENTSEV, T.G.; SOSNITSKIY, A.Ye.; PERS, L.Ye.; PANFILOV, I.M.

Making 30G1, 5L steel with addition of ferromanganese in the ladle. Lit.proizv. no.7:8 Jl '62. (MIRA 16:2)
(Steel—Metallurgy) (Ferromanganese)

L 61639-65 EWT(d)/EEC-2/EWP(1) Pq-4/Pr-4/Pk-4 WW(c) BB/GG/GS
ACCESSION NR: AT5014720 UR/0000/65/000/000/0130/0134

AUTHOR: Yeremenko, I.V.; Panfilov, I.V.; Sverclik, A.N.

TITLE: Some possible designs of memories with unipolar signal recording and reading

SOURCE: Operativnyye i postoyannyye zapominayushchiye ustroystva (Rapid and nonvolatile storage); sbornik statey. Leningrad, Izd-vo Energiya, 1965, 130-134

TOPIC TAGS: unipolar signal recording, recording head battery, recording head

ABSTRACT: The introduction of unipolar recording has made possible an increase in the number of separate magnetic tracks on drums and similar devices by a factor of 10 to

distribution of more than 1000 separate recording heads. [illegible]

automation in the reproduction and mounting of such heads. On the other hand, in the presence of such a large number of recording heads, there is no need for separate

Card 1/2

L 61639-65

ACCESSION NR: AT5014720

solutions of magnetic drums, tapes, and disks. The recording head block consists

art. has: 5 figures.

ASSOCIATION: none

SUBMITTED: 20Jan65 ENCL: 00 SUB CODE: DP

NO REF SOV: 000 OTHER: 000

Card 2/2

L 41020-65 EWT(1)/EWA(h) Peb
ACCESSION NR: AP5008561 S/0286/65/000/006/0073/0073

AUTHORS: Panfilov, I. V.; Sverdlik, A. N.; Myshkin, G. P.; Sukonkin, A. P.; Arel'yev, Yu. I.

TITLE: A generator for normal distributions of random numbers for a Ural-1 electronic computer. Class 42, No. 169290

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 6. 1965, 73

TOPIC TAGS: normal distribution, random number generation/ Ural 1 electronic computer

ABSTRACT: This Author Certificate presents a generator of normally distributed random numbers for a "Ural-1" electronic computer. The generator includes an equally probable data unit and is designed to form the [illegible] normally distributed numbers. It contains [illegible] to the reference number register, [illegible] The generator also contains a control circuit with the respective orders of the register connected in series to the adder. The input of the adder is connected to the central controlling device of the machine, and the outputs of the adders are connected with the controlling elements of the gate group.

Card 1/2

L 41020-65
ACCESSION NR: AP5008561

ASSOCIATION: none

SUBMITTED: 28Apr62 ENCL: 00 SUB CODE: DP, MA

NO REF SOV: 000 OTHER: 000

Card 2/2

PANFILOV, K.K.; KOTLYARENKO, N.F.; ZRAZHEVSKIY, G.N.

First electrical engineers graduated by the S.M. Kirov Railroad Engineering Institute in Kharkov. Avtom., telem. i sviaz' 8 no.4:17-18 Ap '64. (MIRA 18:2)

1. Dekan fakul'teta avtomatiki, telemekhaniki i svyazi Khar'kovskogo instituta inzhenerov zheleznodorozhnogo transporta im. S.M. Kirova (for Panfilov). 2. Zaveduyushchiy kafedroy "Avtomatika i telemekhanika" Khar'kovskogo instituta inzhenerov zheleznodorozhnogo transporta im. S.M. Kirova (for Kotlyarenko). 3. Zaveduyushchiy kafedroy "Transportnaya svyaz'" Khar'kovskogo instituta inzhenerov zheleznodorozhnogo transporta im. S.M. Kirova (for Zrazhevskiy).

PANFILOV, Konstantin Konstantinovich, kand. tekhn. nauk; VLASOV, N.I., inzh., otv. red.; VYADRO, Sh.Ya., red.; MATVIICHUK, A.A., tekhn. red.

[Automation and remote control on railroads] Avtomatika i telemekhanika na zheleznykh dorogakh. Kiev, 1961. 46 p. (Obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii Ukrainskoi SSR. Ser.7, no.10) (MIRA 15:1)
(Railroads) (Automation) (Remote control)

PANFILOV, K.M., inzh.

Students build a greenhouse. Politekh.obuch. no.12:47-54
D '59. (MIRA 13:5)

1. Predsedatel' roditel'skogo komiteta shkoly No.148, Moskva.
(Student activities) (Greenhouses)

PANFILOV, I.A.; NOSKOV, V.V.

Determination of benzene in coke-oven gas. Zav. lab. 29 no.6:662-664 '63. (MIRA 16:6)

1. Kuznetskiy filial Vostochnogo nauchno-issledovatel'skogo uglekhimicheskogo instituta.
(Benzene) (Coke-oven gas)

PANFILOV, I.A

AUTHORS: Vorontsov, B.N., and Panfilov, I.A. 115-5-7/44

TITLE: On the Wire Wear Tolerance (O dopuske na iznos provolochek)

PERIODICAL: "Izmeritel'naya Tekhnika", No 5, Sep-Oct 1957, pp 17-19 (USSR)

ABSTRACT: The article deals with the measuring wires applied in the conventional three-wire method of measuring the pitch diameter of thread-cutting instruments and thread calipers. According to the requirements of standard "ГОСТ 2475-44"and the instruction "45-48", plant inspectors are forced monthly to reject large quantities of usable wires, since a diameter inaccuracy of 0.0003 mm already makes wires rejectable. Apart from that, wires are presently designed mainly to be measured by horizontal optimeters, while actually an increasing number of plants is employing vertical optimeters, length meters and minimeters and not horizontal optimeters. The author suggests a revision of the existing technical conditions. He describes a wire checking method developed by the measurements-laboratory of the Gor'kiy Automobile Plant and cites the wire tolerances applied by this plant. He mentions that the plant still has a large stock of wires made by the American standard. The method of the Gor'kiy plant allows a $2\frac{1}{2}$-times higher diameter wear tolerance of wires without an increase of error

Card 1/2

PANFILOV, K.P., mayor meditsinskoy sluzhby

Clinical and laboratory characteristics of dysentery patients during their first and repeated hospitalizations. Voen. med. zhur. no.4: 81-83 Ap '59. (MIRA 12:8)

(DYSENTERY, BACILLARY, statist.
hosp. statist. on first & repeated hospitalization (Rus))

ACCESSION NR: AR4022433 S/0058/64/000/001/A027/A027

SOURCE: RZh. Fizika, Abs. 1A259

AUTHORS: Gumanskiy, G. A.; Panfilov, L. K.

TITLE: Pulse-height analyzer with photographic recording

CITED SOURCE: Nauchn. tr. Tashkentsk. un-t, vy*p. 221, 1963, 176-179

TOPIC TAGS: pulse-height analyzer, photographic analyzer output, linear amplifier, square wave oscillator, synchroscope, pulse ionization chamber, uranium Alpha spectrum

TRANSLATION: A simple pulse-height analyzer with photographic recording is described. Factory type instruments were used where possible in the development of this analyzer. The analyzer consists of a DM linear amplifier, a square-wave pulse shaper (GI-2A oscillator), 25I synchroscope, UIP power supply, and a photographic camera.

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ACCESSION NR: AR4022433

Each investigated pulse is represented on the synchroscope screen by a horizontal line, the height of which relative to some initial line is proportional to the pulse amplitude at the input. During the measurements, the synchroscope screen is photographed continuously on a single photographic plate. The investigated spectrum is obtained by photometry of the developed plate. The analyzer described can be used in conjunction with a pulse ionization chamber to investigate the alpha spectrum of a natural mixture of uranium salts. L. S.

DATE ACQ: 03Mar64 SUB CODE: PH, PG ENCL: 00

Card 2/2

PANFILOV, L.M.

[Work practice of a radio broadcasting station shift] Opyt raboty smeny radioveshchatel'nogo tsentra. Moskva, Gos.izd-vo lit-ry po voprosam sviazi i radio. 17 p. (MLRA 6:7)
(Radiobroadcasting)

KAZANSKAYA, I.I., kand.tekhn.nauk; PANFILOV, M.G., inzh.; IPPOLITOV, V.I.

Causes for the appearance of defects in helical-cross rolling of circular periodic shapes. Stal' 22 no.9:824-826 S '62. (MIRA 15:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektno-konstruktorskiy institut metallurgicheskogo mashinostroyeniya.
(Rolling (Metalwork))

PANFILOV, M. I.

PA 42/49T40

USSR/Engineering Apr 49
Open-Hearth Furnaces
Fuel Conservation

"Automatization and Fuel Economy in Open-Hearth Furnaces of Glavmetallmet' Factories," M. I. Panfilov, Engr, 1 p

"Za Ekonomiyu Topliva" Vol VI, No 4

Contemporary methods of regulating operation of metallurgical furnaces have been introduced in the Tsentr-Iset, Lys'vensky, Alapayev, Novo-Tagil'sky, imeni Khybyshev, Chusov, Novo-Sereginskiy, Novo-Saldinskiy, and Severskiy factories. Alapayev factory, after carrying

42/49T40

USSR/Engineering (Contd) Apr 49

out a number of organizational-technical measures, automatized transfer vents and pressure regulation in the working space of two open-hearth furnaces. In 1948, 14 open-hearth furnaces were automatized in eight factories of Glavmetallmet.

42/49T40

PANFILOV, M.I.

KAVADEROV, A.V.; KUROCHKIN, B.N.; SHIROKOV, G.I.; KOKAREV, N.I., dotsent, retsenzent; PANFILOV, M.I., inzhener, retsenzent.

[Thermal processes of open-hearth furnaces in rapid steel making] Teplovye rezhimy martenovskikh pechei pri skorostnom stalevarenii. Sverdlovsk, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1953. 140 p. (MLRA 7:6)

1. VNIIT. (Open-hearth process)

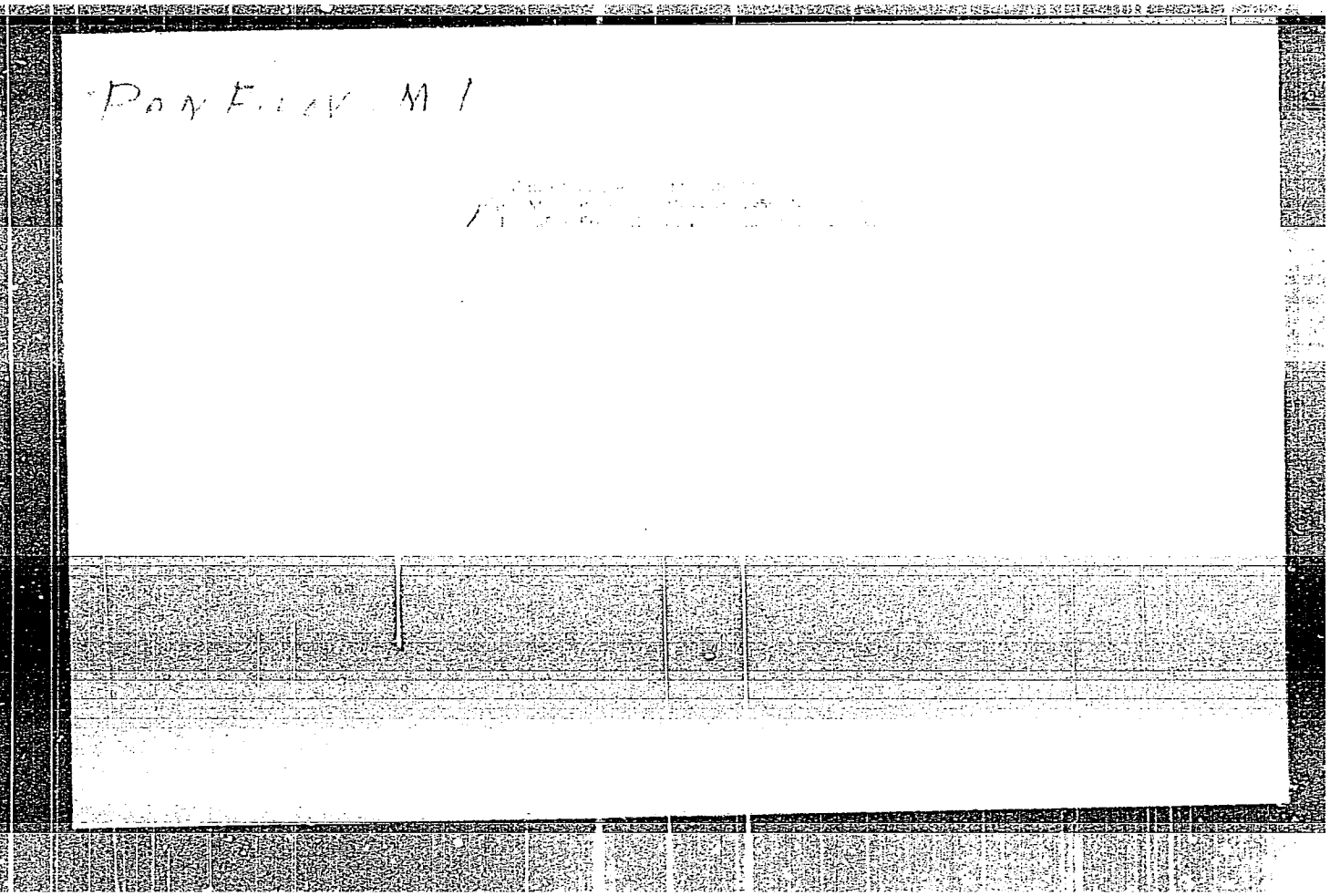
PANFILOV, Mikhail Ivanovich; RYBAKOV, V.P., redaktor; KOVALENKO, N.I., tekhnicheskiy redaktor

[Interfactory schools in open-hearth shops; from the experience of the Ural iron industry] Mezhzavodskie shkoly v martenovskikh tsekhakh; iz opyta metallurgicheskikh zavodov Urala. Sverdlovsk, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, Sverdlovskoe otdelenie, 1955. 68 p. (MLRA 8:6)
(Ural mountain region--Technical education)
(Open-hearth process)

PANFILOV, M.I., inzhener; SHAVEL'ZON, M.V., inzhener.

New combustion control system for Martin furnaces. Stal' 15 no.1: 84-86 Ja '55. (MLRA 8:5)

1. Glavuralmet i Uralmetallurgavtomatika.
(Open-hearth process)



BURDAKOV, D.D.; PANFILOV, M.I.; MEDVEDEV, I.P.; STRUGOVSHCHIKOV, D.P.; NIKOLAYEV, A.M.; KRASNOV, K.V.

Ways to expand old plants in the Urals. Stal' 16 no.9:818-820 S '56. (MLRA 9:11)

1. Glavuralmet Ministerstva chernoy metallurgii SSSR.
(Ural Mountain region--Metallurgical plants)

PANFILOV, M. I.

SOLOVKOV, Aleksandr Konstantinovich; TRIFONOV, Aleksey Grigor'yevich; YELIZAROV, Aleksandr Georgiyevich; PANFILOV, M.I., redaktor; KEL'NIK, V.P., redaktor izdatel'stva; ZEF, [illegible] tekhnicheskiy redaktor

[Laying and fettling of the hearth of open-hearth furnaces; practices of the Magnitogorsk Metal Combine] Kladka i navarka poda martenovskikh pechei; opyt Magnitogorskogo metallurgicheskogo kombinata. Sverdlovsk, Gos. nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, Sverdlovskoe otd-nie, 1957. 109 p. (MLRA 10:7)
(Open-hearth furnaces)

PAVLIOV, Mikhail Ivanovich; KEL'NIK, V.P. redaktor izdatel'stva; ZEF, Ye. M., tekhnicheskiy redaktor

[Producing steel in open-hearth furnaces; a textbook for schools and courses for experts] Proizvodstvo stali v martenovskikh pechakh; uchebnoe posobie dlia shkol i kursov masterov. Sverdlovsk, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, Sverdlovskoe otd-nie, 1957. 400 p. (MLRA 10:5)
(Open-Hearth furnaces)

VECHER, N.A.; UMRIKHIN, P.V.; PANFILOV, M.I.; PASTUKHOV, A.I.; TSEKHANSKIY, M.I.; ARONOVICH, M.S.; POSYSAYEV, A.A., inzh.; GARCHENKO, V.T.; ORMAN, M.Ye.

Review of D.A.Smoliarenko's book "Quality of carbon steel."
Stal' 23 no.9:800-804 S '63. (MIRA 16:10)

VECHER, N.A., inzh.; GERMAIDZE, G. Ye., inzh.; PANFILOV, M.I., dotsent; KHIL'KO, M.M., inzh.; MERSHCHIY, N.P., inzh.; ALPEROV, K.S., inzh.; ANTONOV, S.P.; DIKSHTEYN, Ye.I.; YAGNYUK, M.I.; BELIKOV, K.N.; GONCHAREYSKIY, Ya.A.; TRIFONOV, A.G.; SEDACH, G.A.

"Open-hearth plants with large-capacity furnaces" by D.A. Smoliarenko, N.I. Efanova. Reviewed by N.A. Vecher and others. Stal' 21 no.2:125-126 F '61. (MIRA 14:3)

1. Sverdlovskiy sovet narodnogo khozyaystva (for Vecher, Germaidze, Panfilov).

(Open-hearth furnace--Design and construction)
(Smoliarenko, D.A.) (Efanova, N.I.)

ZAVERYUKHA, Nikita Vasil'yevna, inzh.; BIGEYEV, Abdrashit Museyevich, kand.tekhn.nauk; VOLKOV, Leonid Andreyevich, inzh.; BEZDENEZHNYKH, Aleksey Andreyevich, kand.tekhn.nauk; PANFILOV, M.I., inzh., red.; TSYMBALIST, N.N., red.izd-va; MATLYUK, R.M., tekhn.red.

[Steel pouring in modern open-hearth furnace plants] Razlivka stali v sovremennykh martenovskikh tsekhakh. Sverdlovsk, Gos. nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii. Sverdlovskoe otd-nie, 1959. 215 p. (MIRA 13:3)
(Open-hearth process) (Steel castings)

PANFILOV, Mikhail Ivanovich; VECHER, N.A., retsenzent; DOKSHITSKIY, A.B., red.; BUR'KOV, M.M., red. izd-va; MATLYUK, R.M., tekhn. red.

[Handbook for the open-hearth furnace operator] Spravochnoe rukovodstvo stalevara martenovskoi pechi. Sverdlovsk, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1961. 298 p. (MIRA 14:11)

(Open-hearth process)

18(0)
AUTHOR: Panfilov, M. I.

SOV/131-59-3-6/18

TITLE: Ways and Means of Increasing the Stability of Open-Hearth Furnace Bottoms (Puti povysheniya stoykosti podin martenovskikh pechey)

PERIODICAL: Ogneupory, 1959, Nr 3, pp 120-123 (USSR)

ABSTRACT: In the present paper the author compares the operation figures of a number of open-hearth furnaces with stoppage times of between 10 and 13 % with those of leading plants as e.g. KMK, MMK, NTMK, which have stoppage times of only between 6 and 8 %. Thus, he draws the conclusion that the open-hearth furnaces have still considerable reserves for an increase in the steel-melting output which can be exploited by a reduction of the cold and warm stoppage times. The stoppage times necessary for the cold furnace repair were everywhere reduced during the past years, both by the use of basic refractories and by a reduction of the time necessary for repairing. The warm stoppage times for furnaces are still too long, especially in the case of repairing the furnace bottoms. From table 1 it can be seen that for a thorough cleaning of the furnace bottoms not only the high air pressure is of decisive importance but also the method of using it. The opinions on the melting and the nature of monolith structure of the furnace bottoms were considerably changed during

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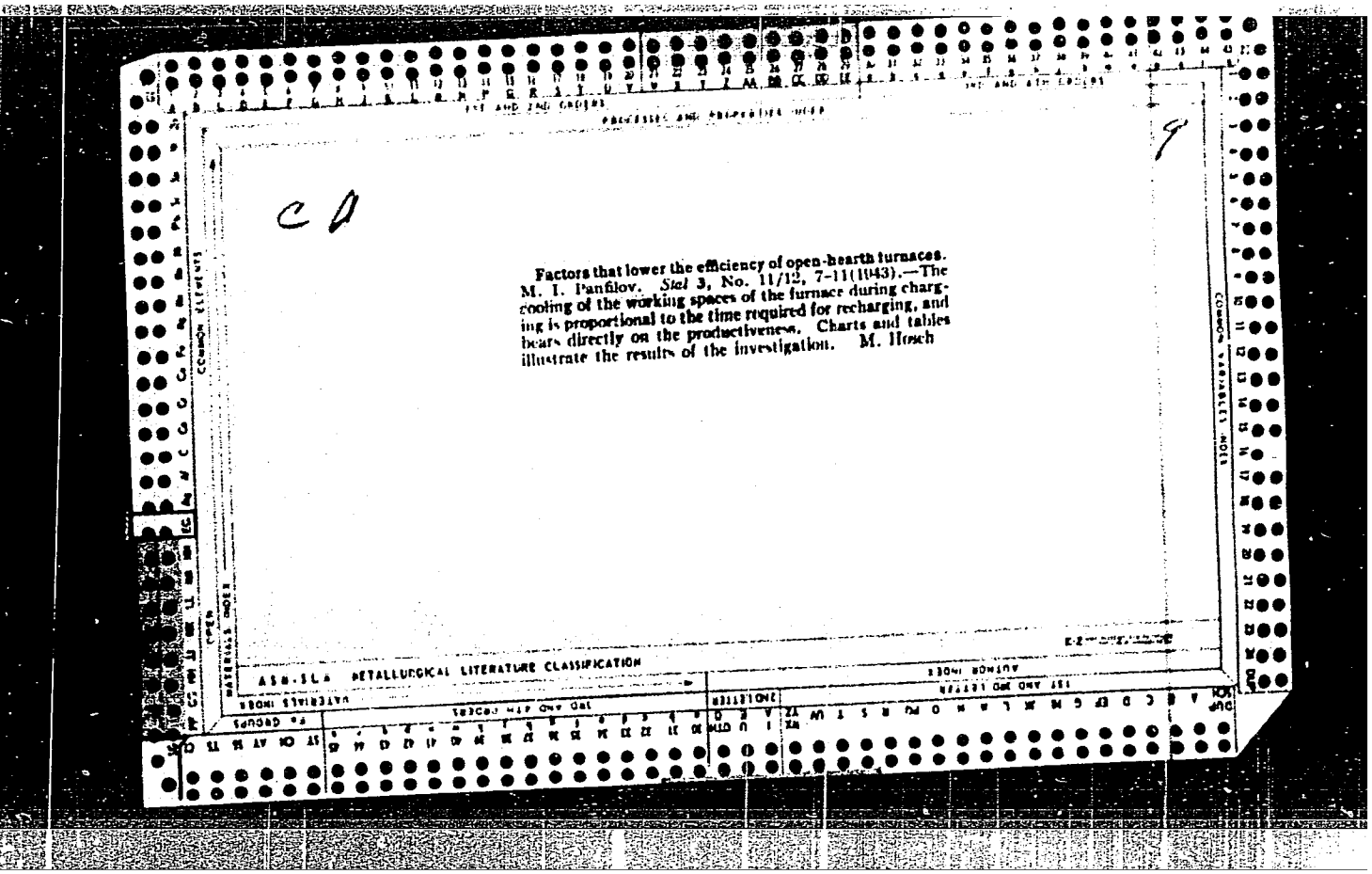
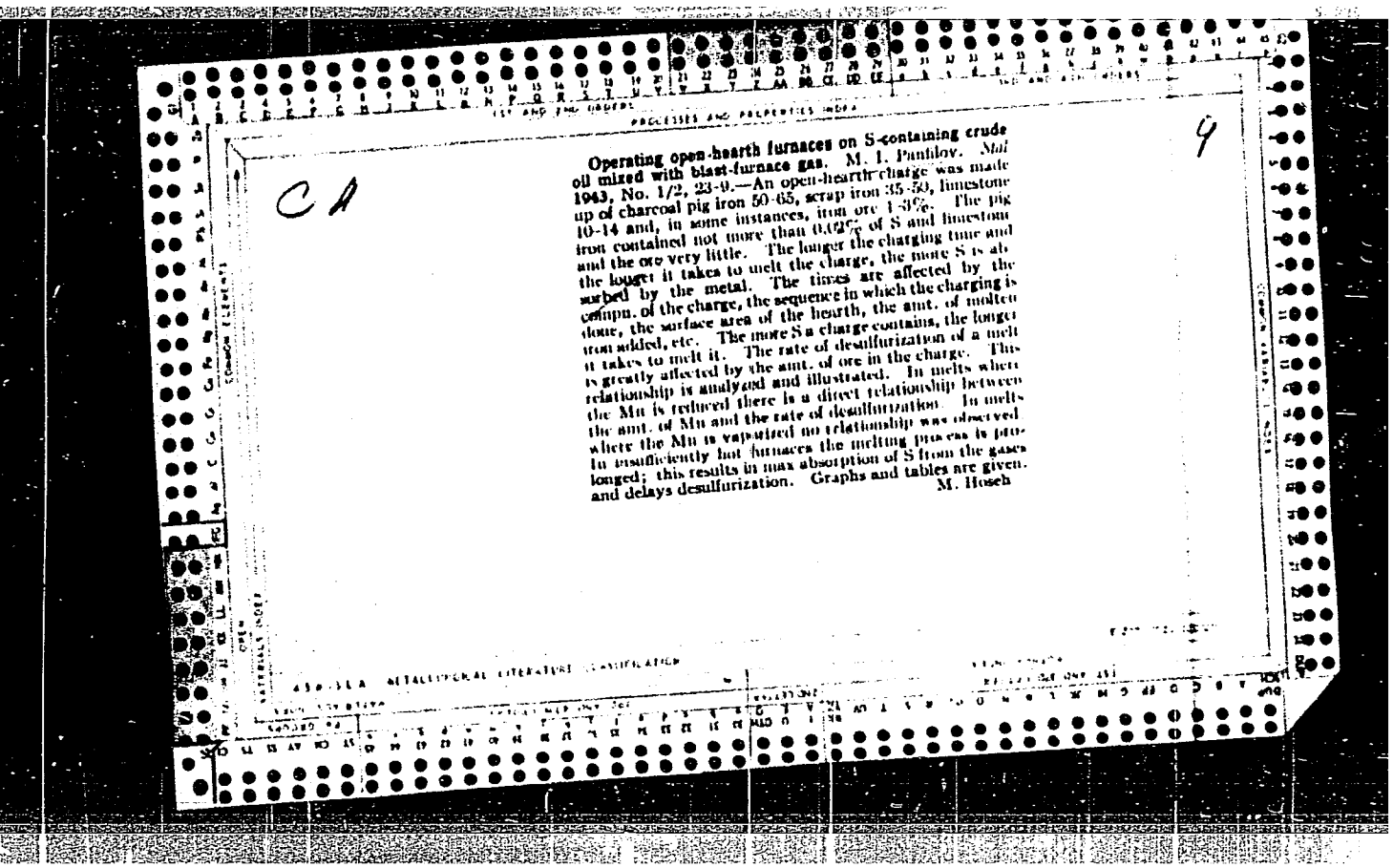
Ways and Means of Increasing the Stability of Open-Hearth Furnace Bottoms

the past 25 years as can be seen from the papers by Grum-Grzhimaylo, Pines, Karmazin, Karnaukhov, Dement'yev, and Berezhnoy. Based upon investigations Berezhnoy showed that the process of furnace bottom melting depends above all on the diffusion of iron and manganese oxides into periclase crystals which is promoted by an increase in the temperature of the furnace. Fine magnesite is to be preferred in this connection. Finally, the author says that hitherto no definite theory as to the structure of furnace bottoms has been established. It must, however, be admitted that the theoretical achievements hitherto made facilitated an improvement as can be seen from the results of training in this field, shown on table 2. Only the Verkh-Isetskiy and Kushvinskiy works have to be considered backward in this respect.-There are 2 tables and 7 Soviet references.

ASSOCIATION: Sverdlovskiy sovnarkhoz (Sverdlovsk Sovnarkhoz)



Factors that lower the efficiency of open-hearth furnaces. M. I. Panfilov. *Stal* 3, No. 11/12, 7-11(1943).—The cooling of the working spaces of the furnace during charging is proportional to the time required for recharging, and bears directly on the productiveness. Charts and tables illustrate the results of the investigation. M. Hosch



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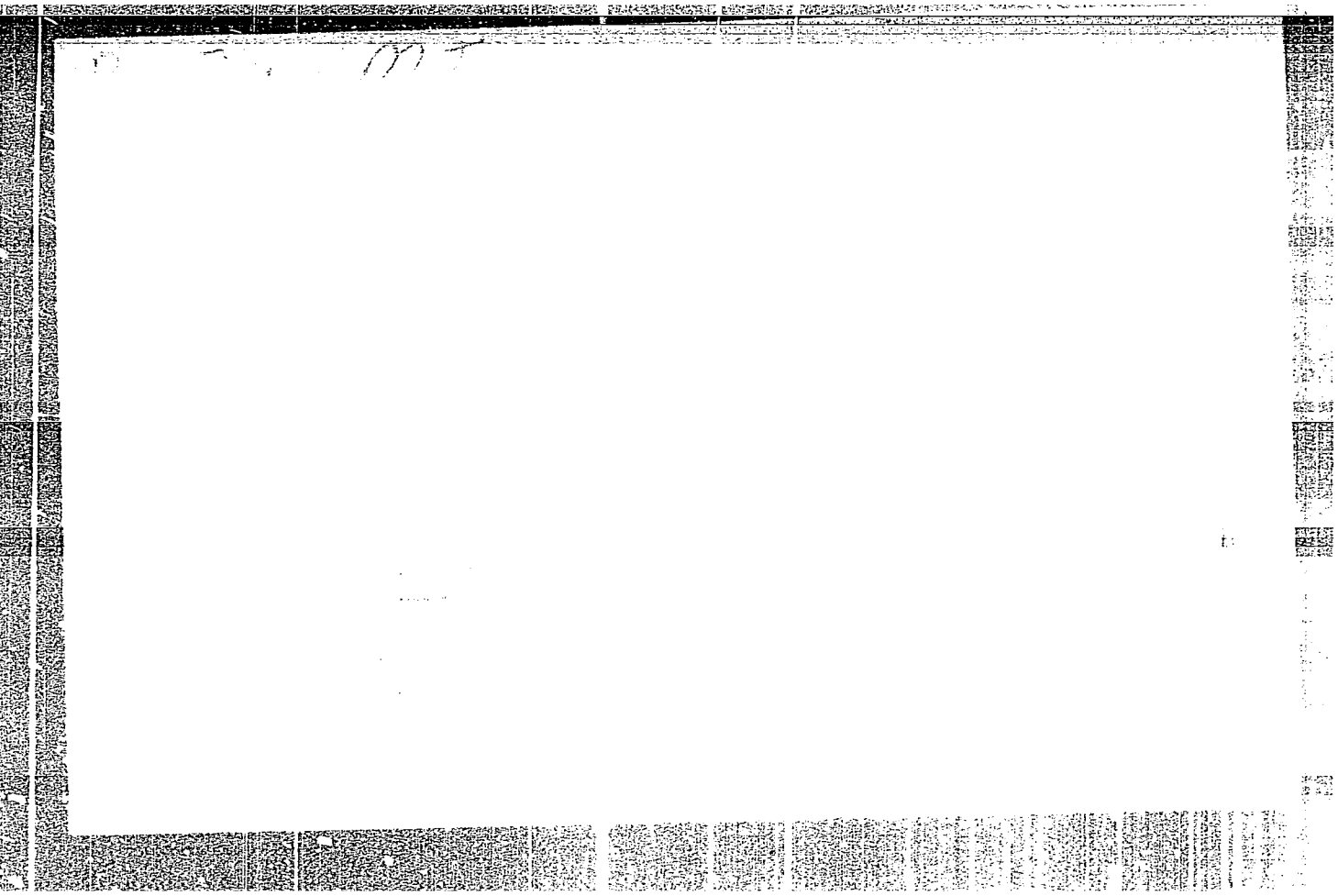
4

**Operating open-hearth furnaces on S-containing crude oil mixed with blast-furnace gas.** M. I. Puntilov. *Mal* 1943, No. 1/2, 23-9.—An open-hearth charge was made up of charcoal pig iron 50-65, scrap iron 35-50, limestone 10-14 and, in some instances, iron ore 1-3%. The pig iron contained not more than 0.02% of S and limestone and the ore very little. The longer the charging time and the longer it takes to melt the charge, the more S is absorbed by the metal. The times are affected by the compn. of the charge, the sequence in which the charging is done, the surface area of the hearth, the amt. of molten iron added, etc. The more S a charge contains, the longer it takes to melt it. The rate of desulfurization of a melt is greatly affected by the amt. of ore in the charge. This relationship is analyzed and illustrated. In melts where the Mn is reduced there is a direct relationship between the amt. of Mn and the rate of desulfurization. In melts where the Mn is vaporized no relationship was observed. In insufficiently hot furnaces the melting process is prolonged; this results in max absorption of S from the gases and delays desulfurization. Graphs and tables are given.
M. Hosch



Panfilov, M.I.

BIGEYEV, Abdrashit Museyevich, dots.kand.tekhn.nauk; PANFILOV, M.I., red.; KEL'NIK, V.P., red.izd-va; ZEF, Ye.M., tekhn.red.

[Computation of charges for open-hearth furnaces using the scrap process] Raschet martenovskikh shikht pri skraprudnom protsesse. Sverdlovsk, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, Sverdlovskoe otd-nie, 1957. 194 p. (MIRA 11:2)
(Open-hearth process)

DUKHNEVICH, Vadim Ignat'yevich; ISKHAKOV, Genim Khanipovich; PANFILOV, Mikhail Ivanovich; REVEBTSOV, Vasiliy Petrovich; GAL'PERIN, A.S., inzh., retsenzent; VESKLOV, N.G., dotsent, kand.ekonom.nauk, red.; SYRCHINA, M.M., red.izd-va; MATLYUK, R.M., tekhn.red.

[Economic aspects and the organization of open-hearth furnace repairs] Voprosy ekonomiki i organizatsii remontov martenovskikh pechei. Sverdlovsk, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, Sverdlovskoe otd-nie, 1960. 95 p.
(MIRA 13:9)

(Open-hearth furnaces--Maintenance and repair)

PANFILOV, MIKHAIL IVANOVICH

N/5
740.161
.P11

Proizvodstvo Stali v Martenovskikh Pechakh (Production of Steel in Siemans-Martin Furnaces) Sverdlovsk, Metallurgizdat, 1957.
400 p. Illus., Diagrs., Graphs, Tables.
"Literatura": P. 395

PANFILOV, M.M.

Foreword. [Sbor.trud.] RIIZHT no.31:3 '61. (MIRA 16:12)

1. Rektor Rostovskogo-na-Donu instituta inzhenerov zheleznodorozhnogo transporta.

PANFILOV, M. N., Cand of Tech Sci -- (diss) "Study of the process of mixing by special mixers in the system of gas-liquids." Moscow, 1957 26 pp (Moscow Chemical Engineering Institute im D. I. Mendeleyev), 120 copies (KL, 30-57, 111)

PANFILOV, M.N.; SUROVTSEV, V.K.

Use of partial condensation for the separation of formaldehyde from solutions. Plast massy no.8:62-63 '63. (MIRA 16:8)

(Formaldehyde)