OBLOV, G.A.; ZASUKHIN, D.N.; VASINA, S.G.

Some results of the laboratory diagnosis of toxoplasmosis. Lab. delo 6 no.2:41-45 Mr-Ap '60. (MIRA 13:6)

1. Nauchno-issledovatel'skiy institut akusherstva i ginekologii Ministerstva zdravookhraneniya RSFSR, Moskva.
(TOXOPLASMOSIS)

ORLOV, G.A.

Conference on the problem of toxoplasmosis. Lab.delo 6 no.2:
60-61 Mr-Ap '60. (MIRA 13:6)
(TOXOPLASMOSIS--CONGRESSES)

ORLOV, G.A.

Method for producing a passive hemagglutination reaction in toxoplasmosis. Lab. delo 7 no.12:51 D '60. (MIRA 14:11)
(TOXOPLASMOSIS) (BLOOD—AGGLUTINATION)

ORLOV, G.A.; GOLOVATSKAYA, G.I.

Toxoplasmosis as a cause of embryopathy. Sov.med. 24 no.1:114-120 Ja '60. (MIRA 13:5)

1. Iz Instituta akusherstva i ginekologii (dir. - dotsent L.G. Stepanov) Ministerstva zdravookhraneniya RSFSR.
(TOXOPLASMOSIS in pregn.)
(PREGNANCY complications)
(ABNORMALITIES etiology)

ORLOV, G.A.

Reaction of passive hemagglutination in toxoplasmosis. Lab. delo 7 no.6:48 Je '61. (MIRA 14:7)

1. Nauchno-issledovatel'skiy institut akusherstva i ginekologii, Moskva.

(BLOOD--AGGLUTINATION) (TOXOPLASMOSIS)

ORLOV, G.A.

Complement fixation reaction in toxoplasmosis. Lab. delo 7 no.6: 48-49 Je '61. (MIRA 14:7)

1. Nauchno-issledovatel'skiy institut akusherstva i ginekologii, Moskva.

(COMPLEMENT FIXATION) (TOXOPLASMOSIS)

ORLOV, G.A.

Tables for determining the quantity of protein in urine using the Brandberg-Rogerts-Stolnikov method. Lab. delo 7 no.12:20-22 D '61. (MIRA 14:11)

(URINE--ANALYSIS AND PATHOLOGY) (PROTEINS)

ORLOV, G.A., prof. (Moskva)

"Problems of toxoplasmosis." Sov.med. 26 no.12:130-132 D '62.
(MIRA 16:2)

(TOXOPLASMOSIS)

ORLOV, G.A., doktor med. nauk, prof.

Conference on Toxoplasmosis and Listeriosis in Obstetrics and Pediatrics. Akush. i gin. 39 no.3:152-155 My-Je '63 (MIRA 17:2)

L 58731-65 EWT(d)/EWT(l)/EEC(k)-2/EEC-[illegible]/EEC(c)-2/EED-2 Pn-4/Pq-4/Pac-4/Pae-2

ACCESSION NR: AR5002391 GW S/0271/64/000/010/A049/A049
621.398

SOURCE: Ref. zh. Avtomat., telemekh. i vychisl. tekhn. Sv. t., Abs. 10A311 34 B

AUTHOR: Orlov, G. D.; Sarkisov, K. A.

TITLE: Problem of noise immunity of a geophysical multichannel telemetering frequency-division system

CITED SOURCE: Uch. zap. Kom-t vyssh. i srednn. spets. obrazovaniya Sov. Min. AzerSSR. Mekhan., mashinostr., energ., elektrotekhn., avtomatiz., vychisl. tekhn., v. 9, No. 1, 1964, 1190126

TOPIC TAGS: telemeter, telemeter system, frequency division telemeter, noise immunity, geophysical measurement

TRANSLATION: New methods of geophysical drillhole exploration necessitate building a multichannel telemeter system with a dynamic range of over 1000. Noise immunity is the system principal characteristic that determines the realizability of its dynamic range. A block diagram of the multichannel system is given in the Enclosure 1. The depth instrument is supplied at the commercial frequency. The rocks bared by the hole are probed with Ω-frequency which is derived from a stabilized oscillator (the latter is placed in the drillhole instrument). Sensor

Card 1/3

L 58731-65

ACCESSION NR: AR5002391

voltages modulated according to the geophysical measurand, in turn, amplitude-modulate the channel carrier frequencies. Thereupon, the carriers are summed and, via anoutput matching stage, are fed into the logging cable. At the surface structure, the carrier signals are divided by the filters, amplified, and detected. The resulting envelopes proportional to the measurands are rectified by phase-sensitive detectors which are controlled by a Ω-frequency reference voltage which is transmitted over a special frequency channel. Higher harmonics in the power supply are the main source of noise. Another source that causes interference between the measuring channels and, therefore, reduction of the dynamic range is represented by the cross noise arising in the sum-signal channel, mainly in the output matching stage. Requirements are considered which should be met by the output matching stage from the viewpoint of the tolerable cross noise. A criterion is given for determining the nonlinearity at which the cross-noise level in the sum-signal channel does not exceed a tolerable value. It is proven that the phase-sensitive detectors permit protecting the telemetering system from dangerous noise, i. e., the supply-current harmonics. On the basis of the above considerations, a five-channel (one galvanic channel in the central wire of the cable) telemeter equipment was developed; its high noise immunity and wide utilization of feedbacks permitted geophysical measurements with an error under 4% within a dynamic range of over 1000. Four illustrations. Bibliography: 5 titles.

Card 2/3 SUB CODE: EC, ES ENCL: 01

AKULOV, Leonid Sergeyevich; BEK-KAZAROV, Paylak Tigranovich; KAMINSKIY, Ya.A.; MOVSHOVICH, I.L.; ORLOV, G.F.; PASHKOV, B.I.; POLOVNIKOV, A.P.; CHERNOV, G.L.; SHAKULOV, S.A.; ISHKOVA, A.K., red.; LYUDSKOV, B.P.; SUDAK, D.M., tekhn. red.

[Layout and equipment for commercial enterprises] Ustroistvo i oborudovanie torgovykh predpriiatii. Moskva, Gos. izd-vo torg. lit-ry, 1958. 411 p. (MIRA 11:7)

(Stores, Retail)

AKULOV, I.S.; BEK-KAZAROV, P.T.; KAMINSKIY, Ye. A.; MOVSHOVICH, I.L.; ORLOV, G.F.; PASHKOV, B.I.; POLOVNIKOV, A.P.; CHERNOV, G.L.; SHAKULOV, S.A.

"[illegible] commercial enterprises". Sov. torg. no. 7:52 J[illegible] '[illegible]. (MIRA 11:7)

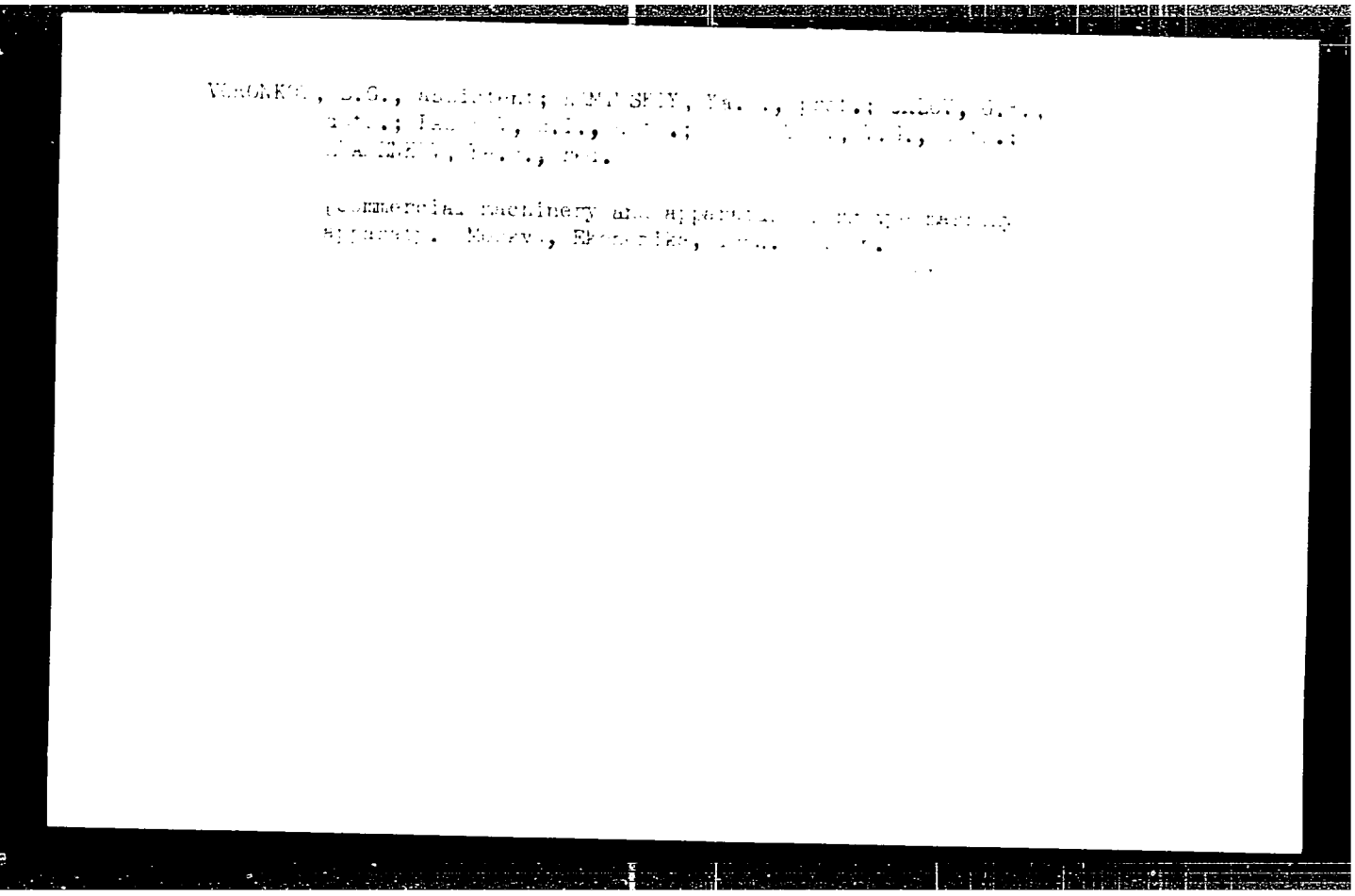
(Stores, Retail—Equipment and supplies)

BEK-KAZAROV, P.T., dots.; VASENIN, N.I.; KAMINSKIY, Ya.A., dots.; ORLOV, G.F., dots.; PASHKOV, B.I., dots.; SEREBRYAKOV, S.V., prof.; FEL'DMAN, I.M., dots.; STARCHAKOVA, I.I., red.; MAMONTOVA, N.N., tekhn. red.

[The organization and techniques of trade]Organizatsiia i tekhnika torgovli. [By]P.T. Bek-Kazarov i dr. Moskva, Gostorgizdat, 1962. 464 p. (MIRA 16:2)

1. Nachal'nik otdela truda i zarabotnoy platy Ministerstva torgovli RSFSR (for Vasenin).

(Commerce)



ORLOV, G.G.

Nomogram to determine the depth of ore-bed occurrences at intersection points of potential derivation curves recorded at various heights. Trudy Gor.-geol.inst. no.30:105-110 '57. (MIRA 11:?)
(Prospecting--Geophysical methods) (Nomography (Mathematics))

ORLOV, G.G.

Possibilities of using intersection points of the curves Z (or T) for geologic mapping. Trudy Gor.geol.inst.UFAN SSSR no.6:173-178 '60. (MIRA 14:10)

(Geology—Maps)

ORLOV, G.G.

Some formulas applied in case of obliquely magnetized bodies: X, Y, Z anomalies in oblique magnetization. Izv. AN SSSR. Ser. geofiz. no.10:1544-1546 O '61. (MIRA 14:9)

1. AN SSSR, Ural'skiy filial, Institut geofiziki.
(Magnetic prospecting)

S/874/62/000/002/005/019
D218/D308

AUTHOR: Orlov, G.G.

TITLE: Determination of the position of the lower boundaries of stratified deposits

SOURCE: Akademiya nauk SSSR. Ural'skiy filial. Institut geofiziki. Trudy. no. 2, 1962. Geofizicheskiy sbornik, no. 3, 91-99

TEXT: In the method now suggested it is assumed that the position of the upper boundary is known and the lower boundary is determined from two Z-curves measured in the same vertical plane but at different distances from the deposit. For a vertical and vertically magnetized layer in the form of a rectangular, infinitely long prism with the upper face parallel to the earth's surface, the vertical component of the magnetic field is given by

$$Z_i = 2I \tan^{-1}\left[2bh/(h^2 + x^2 - b^2)\right] - 2I \tan^{-1}\left[2b(h + l)/(h^2 + l^2 + 2hl + x^2 - b^2)\right]$$

Card 1/3

Determination of the position ...

where I is the intensity of magnetization, 2b is the horizontal thickness of the prism, h is the distance of the upper face of the prism from the earth's surface, x are the abscissas of points on the Z-curve, and l is the depth in the prism measured from the upper face. The vertical component, Z_2, at another height can be obtained by replacing h by h + a in the above formula. At the epicenter of the anomaly (x = 0), the Z component reaches its maximum value Z^{max}. The two Z curves obtained at different levels are known to intersect and the points of intersection are the roots of the equation $3x_1^4 + Bx_1^2 - C = 0$. The two coefficients B and C depend on h, the dimensions of the prism, and on a. Substituting x_1^2 into the formula for the vertical component it is found that

$$Z_i = 2I \tan^{-1} \frac{2bl\left[(l + h)h - (x_1^2 - b^2)\right]}{\left[h^2 + (x_1^2 - b^2)\right] \cdot \left[(l + h)^2 + x_1^2 - b^2)\right] + 4b^2(l + h)h}$$

By computing Z_1^{max}/Z_i for different values of a, b and l, it is possible to obtain the relation between the quantities b/h, Z_1^{max}/Z_i and l/h. Nomograms for this relation have been calculated by the author

Card 2/3

and are now reproduced. They require a knowledge of a, h and b. The first of these depends on the method of observation and is known, the depth h is also known by definition, and b can be determined from observations (independently of h) with the aid of one of the nomograms now reproduced. Some examples of the application of this method under field conditions are given. There are 5 figures and 1 table.

S/874/62/000/002/006/019
D218/D308

AUTHOR: Orlov, G.G.

TITLE: Determination of the direction of magnetization of spherical bodies from the anomalous values of the Z or H components of the magnetic field

SOURCE: Akademiya nauk SSSR. Ural'skiy filial. Institut geofiziki. Trudy. no. 2, 1962. Geofizicheskiy sbornik, no. 3, 101-107

TEXT: A nomogram is reported for the determination of the direction of magnetization of spherical bodies. It requires a knowledge of the ratio of areas lying to the right and left of the extremal values of Z (or H) components, and bounded by these curves and a specially chosen abscissa axis. Since the level of the normal field is usually unknown, the new abscissa axis is chosen either with the aid of the extremal values of Z (or H), or by dividing the total amplitude of the Z_x (or H_x) curves in the ratio 1/2, 1/3, 1/5. The method now suggested may be used in rapid determination of the

Card 1/2

Determination of the direction ...

direction of magnetization to accuracy of 4 - 8°. It is suggested that these calculations should be extended to nonspherical bodies. There are 3 figures.

Card 2/2

S/874/62/000/002/007/019
D218/D308

AUTHOR: Orlov, G.G.

TITLE: Determination of the parameters of geological bodies from geophysical data obtained at different distances from the disturbing object

SOURCE: Akademiya nauk SSSR. Ural'skiy filial. Institut geofiziki. Trudy. no. 2, 1962. Geofizicheskiy sbornik, no. 3, 109-119

TEXT: When the magnetic field profiles are obtained at a number of distances from the earth's surface, there are a number of characteristic points whose abscissas are independent of the magnitude of the normal field. Such points are: (1) the points of intersection of curves representing the derivative of the potential, and (2) points at which the curve representing the field at the lower level intersects the tangent drawn at the maximum to the curve plotted for the higher level. Another useful quantity is the ratio of the areas bounded by the Z-curves (or the ΔT-curves) and the line joining the points of their intersection. This ratio is also inde-

Card 1/2

pendent on the magnitude of the normal field and is less sensitive to random spread in the points on the curve. A nomogram is now reported which may be used to determine the form of the vertical cross-section and the position of the upper magnetic pole of geological bodies with the aid of the above ratios and characteristic points from anomalous curves at different heights. The method does not require a knowledge of the magnitude of the normal field provided it may be assumed that it varies linearly in the region of the anomaly. A practical example of the application of the method is given. There are 6 figures and 1 table.

ORLOV, G.G.

Interpretation of the curves of the changes of the intensivity of magnetic anomalies with altitude. Trudy Inst.geofiz.AN SSSR no.3:79-86 '65.

Interpretation of the Za magnetic anomalies induced by a steep layer. Ibid.:87-90 (MIRA 18:8)

ORLOV, G.G.; IVANOV, A.L.

Chart of transformed curves for the interpretation of anomalies.
Trudy Inst.geofiz.UFAN SSSR no.3:91-96 '65.
(MIRA 18:8)

L 32159-66 EWT(1) GW

ACC NR: AP6010020 (A) SOURCE CODE: UR/0387/65/000/011/0090/0093

AUTHOR: Orlov, G. G.

48
B

ORG: Institute of Geophysics, Ural Affiliate of the Academy of Sciences, SSSR (Institut geofiziki, Ural'skiy filial, Akademiya nauk SSSR)

TITLE: Anomalies in ΔT from ellipsoidal rotations about a vertical axis for an inclined magnetizing field

SOURCE: AN SSSR. Izvestiya. Fizika Zemli, no. 11, 1965, 90-93

TOPIC TAGS: ~~temperature gradient~~, magnetization, magnetic field, ROTATION, EARTH ROTATION, EARTH MAGNETIC FIELD, GEOPHYSICS

ABSTRACT: Theoretical formulas are derived for the interpretation of anomalies in ΔT resulting from compressive and tensile cycling during ellipsoidal rotations about a vertical axis with oblique magnetization. The value ΔT was given as:

$$\Delta T = Z \sin i_0 + H \cos i_0 \cos A,$$

where i_0 is the angle of the inclined magnetizing field and A is the azimuth of the calculated profile. The vertical components of Z and H were derived and ΔT was calculated for the compression and tension of ellipsoids, using the dimensions of the semiaxes. Curves for ΔT were given as a function of x/q for different values of i_0 and R/q, where R is the radius and q is the semifocal point distance. Nomographs were given for determining R/q and i_0 according to the ratios

Card 1/2

UDC: 550.838

Card 2/2

ORLOV, G.G.; [illegible]

Almazal [illegible]
Iron-ore de[illegible]
884 0 165.

1. Institut geologii [illegible]
korrespondent AN SSSR ([illegible]ikov).

SHURAKOV, F.V., kand. sel'khoz. nauk; MOSKALENKO, K.M., tekhnik; MOSTOLOVITSA, K.Yu., tekhnik; IONOVA, M.A., kand. sel'khoz. nauk; TOLKACHEV, V.P., nauchn. sotr.; GALOV, G.K., tekhnik; SOLOV'YEVA, T.F., tekhnik; ZHILYAKOVA, O., red.izd-va; GLIKMAN, N., red. izd-va; ISUPOVA, N., tekhn. red.

[Catalog of fruit crop varieties of the All-Union Scientific Research Institute of Plant Growing in the Crimea] Katalog sortov plodovykh kul'tur Vsesoiuznogo nauchno-issledovatel'skogo instituta rastenievodstva v Krymu. Simferopol', Krymizdat, 1960. 230 p. (MIRA 17:1)

1. Leningrad. Vsesoyuznyy institut rasteniyevodstva. Krymskiy pomologicheskiy rassadnik.
(Crimea--Fruit--Varieties)

MEL'NIKOV, A.G.; ORLOV, G.L.

Linear converter for telemetering syetems with amplitude modulation. Izv.vys.ucheb.zav.; prib. 6 no.6:50-55 '63. (MIRA 17:3)

1. Azerbaydzhanskiy institut nefti i khimii imeni Azizbekova. Rekomendovana kafedroy elektricheskikh izmereniy i vychislitel'noy tekhniki.

MELIK-SHAKHNAZAROV, A.M.; MEL'NIKOV, A.G.; ORLOV, G.L.; SARKISOV, K.A.

Multichannel remote-control measuring device with double amplitude modulation for geophysical investigations of wells on a single cable. Izv. vys. ucheb. zav.; neft' i gaz 6 no.10:87-91 '63. (MIRA 17:3)

1. Azerbaydzhanskiy institut nefti i khimii im. M.Azizbekova.

ORLOV, G.L.

Stabilized current generator for deep-well measurements. Izv. vys. ucheb. zav.; neft' i gaz. 6 no.5:91-95 '63
(MIRA 17:7)

1. Azerbaydzhanskiy institut nefti i khimii imeni M. Azizbekova.

38090. ORLOV, G.M.

Pretvoryayem v zhizn' ukazaniya velikogo Vozhdya. (O razvitii lesnoy prom-sti). Mekhanizatsiya trudoyemkikh i tyazhelykh rabot, 1949, no. 12, s. 17-21

GRLOV, G.M., ., BOVIN, A.I., BRYUKHOV, S.A., IL'IN, B.A., MAYOROV, V.F., PASYUTIN, I.A., RAYEV, O.A., ROOS , L.V., NIKIFOROV, A.S., red.; GORYUNOVA, L.K., red. izd-va, SIDEL'NIKOVA, L.A., red. izd-va, SHAKHOVA, L.A., red. izd-va,; BACHURINA, A.M., tekhn. red.

[Forest industries in Canada] Lesnaia promyshlennost'Kanady. Moskva, Goslesbumizdat, 1957. 246 p. (MIRA 11:11)
(Canada--Lumbering)

ORLOV, G.M.

The architecture of hydroelectric power stations. Gidr.stroi. 26 no.11:39-46 N '57. (MIRA 10:10)

1.Glavnyy arkhitektor Gidroenergoproyekta, deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury.
(Hydroelectric power stations)

GEL'PERIN, N.B., kand. tekhn. nauk; ORLOV, G.M., kand. tekhn. nauk, retsenzent; SNOPKOV, M.A., inzh., red.

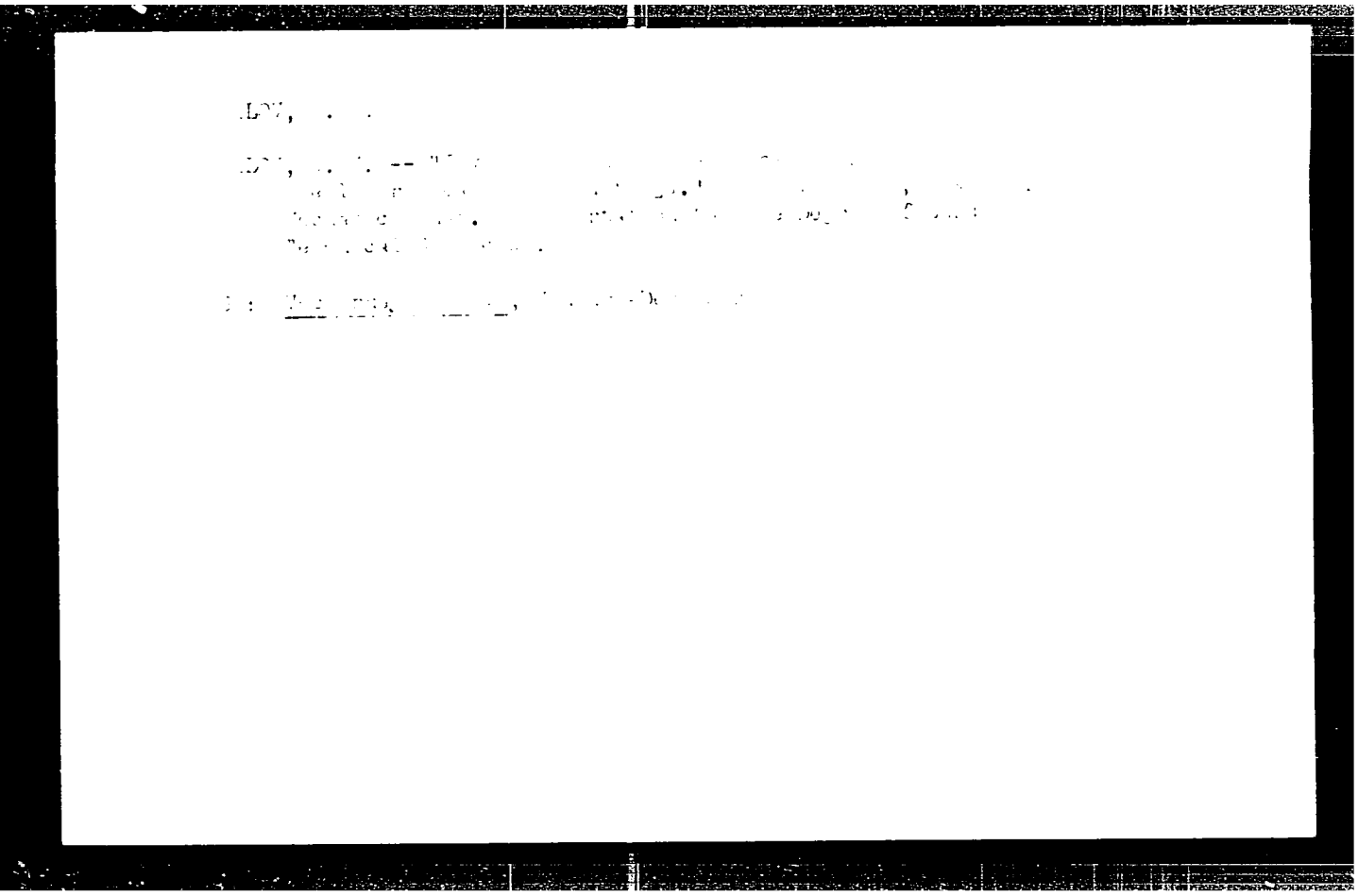
[Specialization, overall mechanization, and automation in foundries] Spetsializatsiia, kompleksnaia mekhanizatsiia i avtomatizatsiia liteinykh tsekhov. Moskva, Mashinostroenie, 1964. 230 p. (MIRA 17:11)

ORLOV, Georgiy Mikhaylovich, kand. tekhn. nauk; OSTROVSKAYA, N.V., ved. red.

[Mechanization and automation of conveying charge materials, [illegible] and ores] Mekhanizatsiia i avtomatizatsiia transportirovaniia [illegible] materialov, [illegible] Moskva, [illegible]

[illegible]

[illegible] A [illegible])



ORLOV, G. M.

USSR/Engineering - Foundry, Equipment Jan 52

"On the Theory of the Operational Process of a Shot Blasting Wheel," G. M. Orlov, Engr, Moscow Automotive Mech Inst

"Litey Proizvod" No 1, pp 13, 14, 31

Presents results of theoretical investigations of shot blasting wheel performance, beginning of which was published in "Litey Proizvod" No 4, 1951. Analyzes motion of shot along surface of wheel blade and suggests measures for decreasing wear of blades.

204T15

ORLOV, G. M.

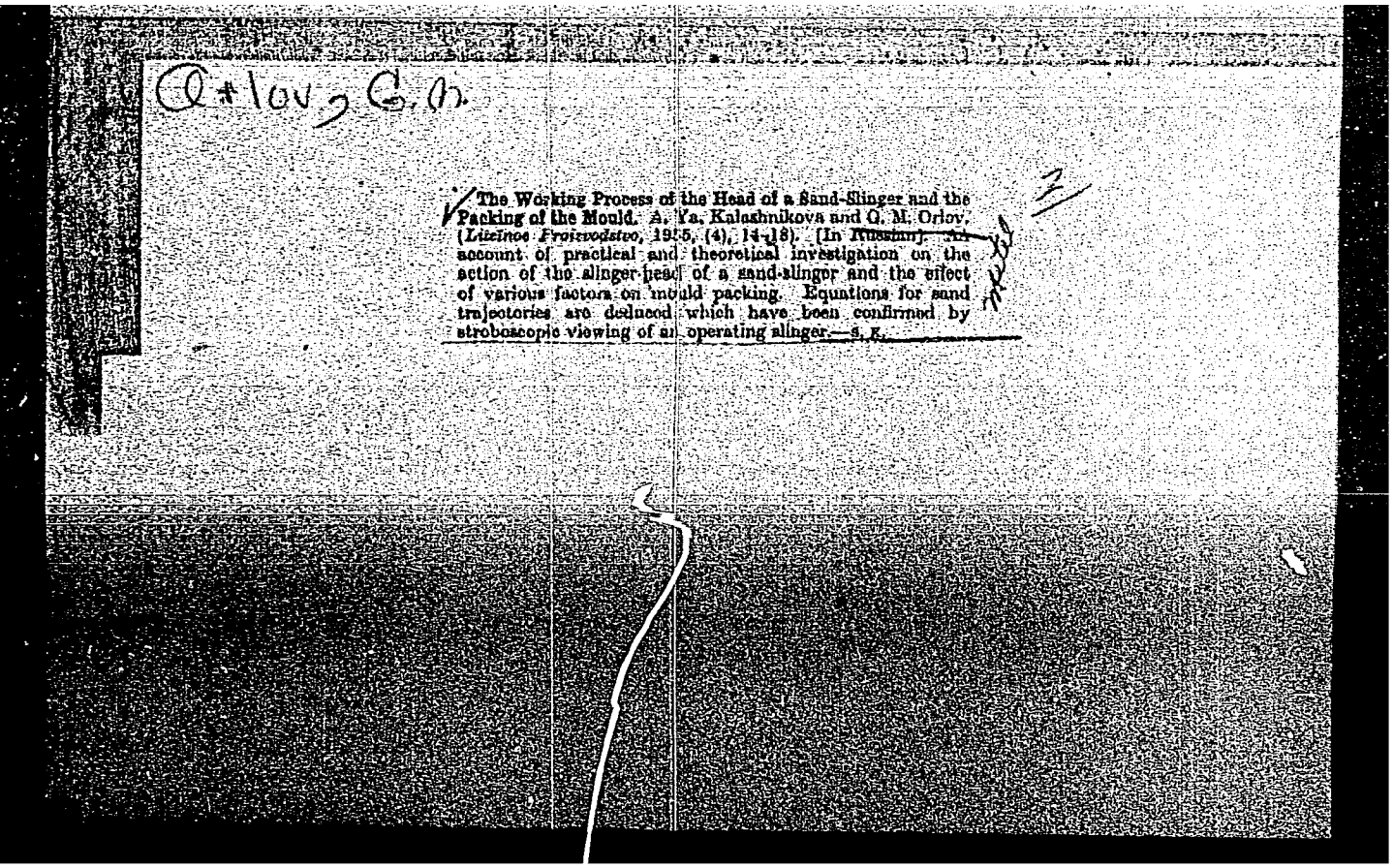
USSR/Metallurgy - Foundry, Equipment Jun 52

"Certain Points of the Theory of a Shot Blasting Wheel," G. M. Orlov, Engr

"Litey Proizvod" o , pp 9, 10

Calculates trajectories and velocities of separ lets in stream of shot after leaving distribu in wheel and before reaching blades of working wheel. Discusses scattering of shot and effect of uneve stream division between 2 blades on performan of 8-and- blade wheels.

230T37



Q+lov, G.M.

The Working Process of the Head of a Sand-Slinger and the Packing of the Mould. A. Ya. Kalashnikova and G. M. Orlov. (*Liteinoe Proizvodstvo*, 1955, (4), 14-18). [In Russian]. An account of practical and theoretical investigation on the action of the slinger-head of a sand-slinger and the effect of various factors on mould packing. Equations for sand trajectories are deduced which have been confirmed by stroboscopic viewing of an operating slinger.—S. K.

PHASE I BOOK EXPLOITATION SOV/3767

Orlov, G. M., V. L. Lesnichenko, U. B. Utemisov, V. I. Mazurov, and K. F. Ignatova

Izgotovleniye liteynykh form pressovaniyem pod bol'shim davleniyem (High-Pressure Method of Making Foundry Molds) Moscow, 1958. 28 p. (Series: Peredovoy opyt proizvodstva. Ser. "Tekhnologiya mashinostroyeniya," vyp. 31, Liteynoye proizvodstvo) 4,000 copies printed.

Sponsoring Agencies: Obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znaniy RSFSR, and Moscow Dom nauchno-tekhnicheskoy propagandy imeni F. E. Dzerzhinskogo.

Ed.: L. S. Konstantinov; Reviewer: L. M. Garmash; Tech. Ed.: R. A. Sukhareva.

PURPOSE: This booklet is intended for metallurgists specializing in the production of castings.

COVERAGE: This booklet deals with the results of experimental investigations undertaken by NIITAvtoprom of the process of compression molding under high pressure. Practical recommendations are presented, and an investigation of the basic production parameters conducted by the authors at NIITAvtoprom

Card 1/2

and workers at MAMI is described. In the Introduction an outline of experimental work done by NIITAvtoprom since 1956 on the production of precision castings is presented. No personalities are mentioned. There are 14 references: 6 Soviet, 7 English, and 1 German.

TABLE OF CONTENTS:

AVAILABLE: Library of Congress

18 (5) SOV/128-59-11-15/24

AUTHOR: Orlov, G.M., Candidate of Technical Sciences

TITLE: Flow Ability of Molding Mixtures and Pressure-Ramming of Molds

PERIODICAL: Liteynoye proizvodstvo, 1959, Nr 11, pp 43-43 (USSR)

ABSTRACT: Pressure-ramming of molds can be performed in three different ways: pressing by an elastic block (diaphragm); high-pressure method; and application of special molding mixtures. The elastic block method is simple enough; however, it does not ensure a uniform mold wall thickness. When using the high-pressure method, it is necessary either to apply a very strong pressure (200-300 kg/cm^2) or to perform a manifold pressing. Thus, in the author's opinion, the most efficient method would be the use of molding mixtures that possess under average pressure a flow ability which is higher than is the case with common molding sands. For the purpose of determining the flow ability of a given molding mixture, a device has been designed (Fig 6).

Card 1/2

Flow Ability of Molding Mixtures and Pressure-Ramming of Molds

that permits differentiation of molding mixtures according to their flow ability under pressure of [illegible] kg/cm². The author analyzes the conception "flow ability" as applied to loose materials and gives pertinent graphs and diagrams. There are 2 graphs, 5 diagrams and 15 references, 13 of which are Soviet and 2 English.

AKSENOV, P.N.; BERG, P.P.; GODASHKOV, N.M.; VEYNIK, A.I.; GORSHKOV, A.A.; ZHAROV, N.T.; ZHUKOV, A.A.; ZOROKHOVICH, I.Z.; KUMANIN, I.B.; LEVI, L.I.; LYASS, A.M.; MARIYENBAKH, L.M.; ORLOV, G.M.; POKUCHIKOV, Yu.P.; RABINOVICH, B.V.; STOLBOVOY, S.Z.; FEYGEL'SON, B.Yu.; VASILEVSKIY, P.F., red.; KLOCHNEV, N.I., red.; KONSTANTINOV, L.S., red.; POLYAKOV, Ya.G., red.; MARKIZ, Yu.L., red.izd-va; UVAROVA, A.F., tekhn.red.

[Theory of founding processes] Voprosy teorii liteynykh protsessov. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 692 p. (MIRA 13:7)

(Founding)

ORLOV, G.M.; IGNATOVA, K.F.; LESNICHENKO, V.L.; MAZUROV, V.I.; UTEMISOV, U.B.

Progressive molding method. Lit.proizv. no.2:6-8 F '60. (MIRA 13:5)

(Molding (Founding))

ORLOV, Georgiy Mikhaylovich, kand. tekhn. nauk; SIROTIN, A.I., inzh., red.; GORDEYEVA, L.P., tekhn. red.

[Automatic units for shaking out foundry molds] Avtomaticheskie ustanovki dlia vybivki liteinykh form; opyt otechestvennykh zavodov. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961. 130 p. (MIRA 14:7)
(Foundries—Equipment and supplies)

PHASE I BOOK EXPLOITATION SOV/4666

Voprosy teorii liteynykh protsessov (Problems of the Theory of Founding Processes) Moscow, Mashgiz, 1960. 692 p. 4,500 copies printed.

Sponsoring Agencies: Liteynyye kafedry i otdely Instituta liteynogo proizvodstva AN USSR; Minskogo fiziko-tekhnicheskogo instituta AN BSSR; Moskovskogo avtodorozhnogo instituta; Moskovskogo avtomekhanicheskogo instituta; Moskovskogo vechernego mashinostroitel'nogo instituta; Instituta stali imeni Stalina; Ural'skogo politekhnicheskogo instituta imeni S. M. Kirova; Tsentral'nogo nauchno-issledovatel'skogo instituta tekhnologii i mashinostroyeniya.

Reviewers: A. A. Ryzhikov (Head, Department of Founding, Gor'kiy Politechnic Institute), A. Ye. Krivosheyev (Head, Department of Founding, Dnepropetrovsk Politechnic Institute), and I. Příbyl (Head, Department of Founding, Higher School of Mining, Ostrava, Czechoslovakia); Editorial Board: P. I. Vasilevskiy, A. A. Zhukov, N. I. Klochnev, L. S. Konstantinov, and Ya. C. Polyakov; Managing Ed. for Literature on Heavy Machine Building: S. Ya. Golovin; Ed. of Publishing House: Yu. L. Markiz; Tech. Ed.: A. P. Uvarova.

PURPOSE: This book is intended for technical personnel of the founding industry.

COVERAGE: This book on founding theory is the result of the joint efforts of metallurgical departments of various schools of higher education and scientific research institutes. Theoretical studies and the scientific research in the field of founding are summarized and discussed. This volume (first of a planned series) is devoted to a number of important theoretical problems of founding dealing with molding, melting, pouring, solidification of casting, the machinery used, and automation. The terminology used in founding is also given. No personalities are mentioned. Each chapter is accompanied by references.

AVAILABLE: Library of Congress (TS230.V6)

Card 1/1

VK/dwm/ec
1-12-61

S/128/62.000/002/0 [illegible]
A004/A127

AUTHORS: Orlov, G M , Serganov, V K

TITLE: On the problem of the automation of pouring

PERIODICAL: Liteynoye proizvodstvo, no. 2, 1962, 23 - 24

TEXT: The authors report on investigations being carried out at the NIITAvtoprom and MAMI to automate metal pouring in the casting pro[illegible] developing an automatic pouring installation, the following problems have [illegible] solved: choosing a suitable metal dosing method, obtaining the technologi[illegible] necessary weight rate of the metal being poured at any definite instant and se[illegible] ing the functional diagram of the pouring installation and the method of [illegible] the metal to it from the melting assembly. It is pointed out that the two latte[illegible] items are the most important ones and the authors give a detailed descri[illegible] the requirements made to the dosing device. They emphasize that the dosing accuracy according to a predetermined volume depends on the constancy of the dimensions of the dosing device, this constancy, because of the reaction of known refractories with the molten metal and its oxides, being practically [illegible] tainable. The authors state that the best results in accurate dosing will be

Card 1/2

S/128/[illegible]/[illegible]
A004/A12

On the problem [illegible]

obtained by the method of measuring out the metal level in the [illegible] satisfactory and simple way of achieving this is with the aid of a sig[illegible] vice located outside the mold. Of the noncontact devices, the authors p[illegible] photovaristors as being the most suitable. The layout of an adequate p[illegible] or is shown and a description of its design given. In tests being conducted with an automatic pouring installation at the NIITAv sprom, the ΦPC [illegible] PRS-58-5) photohead with ΦC-A1 (FS-A1) lead sulfur photovaristor was used. [illegible] attained advantage of this dosing method consists in that the attainment of necessary level is ensured independent of the metal volume and [illegible] however. The authors enumerate the methods of obtaining the [illegible] necessary weight rate of the metal being poured and analyze their [illegible] suitability and drawbacks, taking into [illegible] the various gate [illegible] shape. Concluding, they comment on the design of the automatic [illegible] for the most efficient ladle design and the [illegible] and 4 Soviet title references.

Card 2/2

ORLOV, G.M., doc., kandidat technickych ved (Moskva)

The problem of producing foundry moulds by pressing.
Slevarenstvi 10 no.3:91-93 Mr '62.

1. At the present time: Vysoke uceni technicke, katedra slevarenstvi, Brno.

2/056/63/020/003/003/005
E073/E135

AUTHORS: Orlov, G.M., and Vetiška, A.

TITLE: Explosive forming of foundry moulds

PERIODICAL: Hutnictví a strojírenství. Přehled technické a hospodářské literatury, v.20, no.3, 1963, 142, abstract HS 63-1732. (Slévárenství, v.10, no.10, 1962, 365-370)

TEXT: The article describes an explosive forming machine for foundry molds, and also the molds used in explosive forming. The forming mixture must have a low humidity (2 to 3% water). A high upsetting velocity can be obtained either by using explosive powders or pneumatically by using the well-known "Dynapark" equipment constructed so as to have a high impact energy.
16 figures. 1 reference.

[Abstracter's note: Complete translation.]

Card 1/1

S/128/63/000/003/001/005
A054/A126

AUTHORS: Vetishka, A., Orlov, G.M.

TITLE: High-velocity pressing of molds by explosion

PERIODICAL: Liteynoye proizvodstvo, no. 3, 1963, 5 - 8

TEXT: For the analysis of the high-velocity pressing methods for molds of high strength, accurate shape and smooth surface, tests were made by utilising blasting power. The test apparatus, constructed by A. Vetishka, Docent, Candidate of Technical Sciences, and Shneyder, Engineer, represented in a figure, features a ram head that is activated by the blast of a 12-mm smokeless shotgun cartridge. The motion of the ram-head was recorded by Zeiss "Pentazet" slow-motion cameras, producing 3,000 frames per second. The kinetic energy of the impact was determined for charges of 3, 2.5 and 1.5 g for four kinds of mixtures. Mixture no. 4 has a very high degree of liquidity (90.5%) as compared to mixture no. 3 (2.2% liquidity). The tests covered various relations between density, strength, gas-permeability and hardness of the samples, and the specific kinetic energy of pressing and the properties of the mixture. Investigation of the be-

Card 1/2

havior of the mold when containing the pattern showed that the distribution of forces in blast compression is similar to that of the conventional process. Although the apparatus for blast compression is very simple and has a high output, it is not yet definitely established to which extent it can be used, neither is its technology determined. However, so much can be said that the mold mix used must have a moisture content below 2 - 3%, a compression strength of 0.3 - 0.4 kg/cm^2 and the specific power of the ram head must be about 8 - 10 kgm/cm^2. The impact power applied ultimately depends on the dimensions of the mold and pattern and their relationship. Similar effects as obtained with blasting can also be produced by high-speed pneumatic presses, such as the DUPARAK type. The tests were carried out in cooperation with the Department of Foundry Industry, Brno, CSSR, and the Moskovskiy avtomaticheskiy institut, SSSR (Moscow Institute of Automatics, USSR). There are 8 figures and 5 tables.

GLOV, Georgiy Mikhaylovich, kand. tekhn. nauk; GLUTSKIY, I. M., kand. tekhn. nauk, ved. red.

[Mechanization and automation of the conveying of molding materials and castings] Mekhanizatsiia i avtomatizatsiia transportirovaniia formovochnykh materialov i otlivok. Moskva, GOSINTI 1964. 58 p. (Mekhanizatsiia i avtomatizatsiia tekhnologicheskikh protsessov; materialy zavodskogo opyta, no.9) (MIRA 18:3)

GRILOV, G.M.

... of the flowability of sand mixtures on the mold pressing ... and its determination. Lit. proizv. no.8:... Ag '64. (MIRA 18:10)

ORALOV, G.N., inzhener.

Offshore oil fields. Bezop. truda v prom. 1 no.1:22-24 Ja '57.
(MLRA 10:4)

1. Nachal'nik morskoy RGTI Upravleniya Azerbaydzhanskogo okruga Gosgortekhnadzora SSSR.
(Oil well drilling, Submarine)

ORLOV, G.N.

KUL'CHITSKIY, V.S.; ORLOV, G.N.; CHERNOIVANNIK, A.Ya.; ISHKOVA, A.K., redaktor; SUDAK, D.M., tekhnicheskiy redaktor

[A catalog of commercial and technical equipment] Spravochnik-katalog torgovogo i tekhnologicheskogo oborudovaniia. Izd. 2-e. Moskva, Gos. izd-vo torgovoi lit-ry, 1954. 139 p. (MLRA 8:4)
(Food industry--Equipment and supplies)
(Retail trade--Equipment and supplies)

KALYAZIN, G.A., inzh.; ORLOV, G.N.

Mechanization and automation of labor-consuming operations in grocery trade and public-dining enterprises. Mekh. i avtom. proizv. 15 no.7:26-30 Jl '61. (MIRA 14:7)
(Automation) (Grocery trade—Technological innovations)
(Restaurants, lunchrooms, etc.—Technological innovations)

TERENT'YEV, A. G., CRICK, G. I.

Measuring Instruments

Experience of introducing departmental supervision of measuring control instruments in the plants of the medical instruments industry. Med. prom., No. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, June 1952 Uncl.

TERENT'YEV, A. G.: CRICV, G. T.

Medical Supplies

Application of the method of statistical control of quality of products manufactured at plants producing medical equipment and supplies. Med. prom., No. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 1952. 1953, Uncl.

TERENT'YEV, A. G; ORLOV, G. T;

Results of introduction of departmental supervision on the control and measuring apparatus in medical industry. Med. promyshl. SSSR no.2:24-29 Mar-Apr 1952. (CLML 22:2)

ORLOV, G. V.: Master Tech Sci (diss) -- "Investigation of the process of mechanization of removing scrub from muddy soil". Minsk, 1958. 17 pp (Acad Sci Belorussian SSR, Dept of Phys-Math and Tech Sci), 120 copies (KL, No 2, 1959, 120)

ORLOV, Georgiy Vasil'yevich[Arlou, H.V.], kand. tekhn. nauk; SAZYKINA, Klavdiya Vasil'yevna, kand. ekon. nauk; TARKAYLA, I., red.; ZEN'KO, M., tekhn. red.

[Material and technical foundation of agriculture and basic ways for its development]Materyial'na-tekhnichnaia baza sel'skai haspadarki i asnounyia shliakhi iae razvitstsia. Minsk, Dziarzh.vyd-va sel'skahaspadarchai lit-ry BSSR, 1962. 49 p. (MIRA 15:11)

(White Russia--Agriculture)

[redacted] V., V.V., kand.tekhn.nauk, [redacted] V.M.; [redacted] Ya.L.; [redacted] V.V.

Effect of the displacement of rocks during gasification of a coal seam in the Angren deposit on the disturbance of borehole casings in underground gas generators. Nauch.trudy VNII Podzemgaza [redacted] 63.

[redacted] Laboratoriya gornogeologicheskaya, Angrenskaya stantsiya [redacted] Podzemgaz".

ZHUKOV, V.V., kand. [illegible]

[illegible]

[illegible]

ORLOV, G.Ye.

Accumulation of colloids in products made from sugar beets. Sakh. prom. 32 no.5:18-22 My '58. (MIRA 11:6)

1.Sakharnyy zavod imeni Stalina.
(Colloids) (Sugar manufacture)

ORLOV, G.Ye.

Mechanical removalof sand from flumes. Sakh. prom. 32 no. 6:35 Je '58. (MIRA 11:7)

1. Sakharnyy zavod imeni Stalina.
(Sugar industry--Equipment and supplies)

SOKOLOV, S.; ORLOV, I.

Meet Kropachev. Metallurg 9 no.11:19-20 N '64.

(MIRA 18:2)

1. Neshtatnyy korrespondent zhurnala "Metallurg" (for Sokolov).
2. Starshiy inzh. otdela organizatsii truda Chelyabinskogo metallurgicheskogo zavoda (for Orlov).

ORLOV, I., arkhitektor

Science center in Siberia. Na stroi. Ros 4 no.1:16-19 Ja '63.
(MIRA 16:3)
(Akademgorodok--Academy of Sciences of the U.S.S.R.)

ORLOV, I.

Effect of enucleation on the reflex activity of fish. Biul.SNO LGU no.1:59-63 '58. (MIRA 13:6)
(Reflexes) (Fishes--Phsyiology)

DUNAYEV, N.; ORLOV, I.; PODOROZHNYY, K.

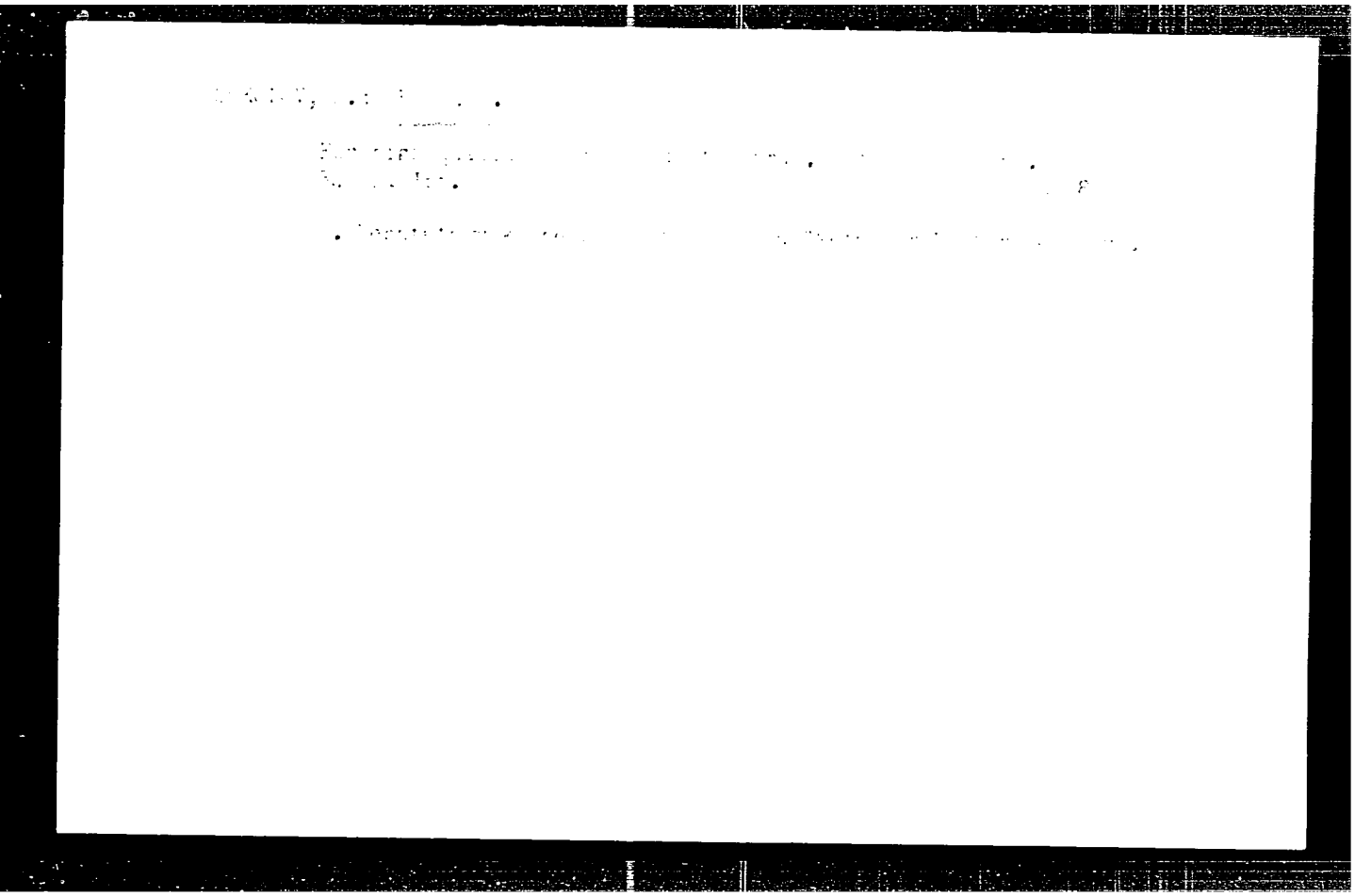
Both station and harbor work in a new way. Rech. transp. 22 no.11:24-25 N '63. (MIRA 16:12)

1. Zamestitel' nachal'nika otdela dvizheniya Svobodnenskogo otdeleniya Zabaykal'skoy zheleznoy dorogi (for Dunayev). 2. Starshiy inzh. otdela dvizheniya Svobodnenskogo otdeleniya Zabaykal'skoy zheleznoy dorogi (for Orlov). 3. Nachal'nik Blagoveshchenskogo rechnogo porta (for Podorozhnyy).

DUNAYEV, N.; ORLOV, I.

Mutual aid is the basis of success. Rech.trnasp. 23 no.11:51 N '64. (MIRA 18:3)

1. Zamestitel' nachal'nika otdela dvizheniya i gruzovoy raboty Svobodnenskogo otdeleniya Zabaykal'skoy zheleznoy dorogi (for Dunayev). 2. Starshiy inzh. otdela dvizheniya i gruzovoy raboty Svobodnenskogo otdeleniya Zabaykal'skoy zheleznoy dorogi (for Orlov).



DUNAYEV, N., inzh.; ORLOV, I., inzh.

Specialization of ports on the Amur River. Rech. transp. 24 no.8: 50 '65. (MIRA 18:9)

1. Zabaykal'skaya zheleznaya doroga.

ORLOV, I.

Training of engineers is a common task of the institute and industry. Kozh.-obuv. prom. 7 no. 11:6-8 N '65 (MIRA 19:1)

1. Rektor Kiyevskogo tekhnologicheskogo instituta legkoy promyshlennosti.

TOROPOV, V.S.; KOROL'KOV, P.V., kand. tekhn. nauk, otv. red.;
ORLOV, I.A., red.

[Operational magnetic memory unit with ferrite-diode control elements] Magnitnoe operativnoe zapominaiushchee ustroistvo s upravleniem na ferrit-diodnykh elementakh. Moskva, Vychislitel'nyi tsentr AN SSSR, 1965. 45 p. (MIRA 18:8)

ORLOV, I. D.

"The Biology of Grapes Under the Conditions Which Exist in Chuvash ASSR." Cand Agr Sci, Moscow Agricultural Acad, Moscow, 1953. (RZhBiol, No 6, Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No.521, 2 Jun 55

L 4995-66 EWT(d)/EWT(m)/EWP(v)/EWP(t)/EWP(k)/EWP(h)/EWP(b)/EWP(l)/EWA(h) JD

ACC NR: AP5025758 SOURCE CODE: UR/0286/65/000/018/0121/0121

34
B

AUTHORS: Orlov, I. F.; Rosenberg, L. D.; Yakhimovich, D. F.

ORG: none

TITLE: An ultrasonic vibrator. Class 49, No. 174936

SOURCE: Byulleten' isobretenii i tovarnykh znakov, no. 18, 1965, 121

TOPIC TAGS: ultrasonic equipment, ultrasonics

ABSTRACT: This Author Certificate presents an ultrasonic vibrator based on the one of Author Certificate No. 150346, and designed to increase the effectiveness of the ultrasonic treatment process. A concentrator on the side of the converter fastener is made in a row of sections cut in the axial direction. The number of sections corresponds to the number of converters, or, in the case of using a multiple-rod converter, to the number of rods of this converter.

SUB CODE: IE/ SUBM DATE: 13Jul62

Card 1/1 UDC: 621.9.048.6

0901 1599

[illegible]

ORLOV, I.G.; [illegible]YLOV, [illegible]

Experience in the reinforcement [illegible] ine shafts. Gor. zhur. [illegible] S '57. [illegible]

1. Glavnyy inzhener [illegible] shakhtostroitel'nogo u[illegible]eniya (for Orlov). 2. [illegible] proizvodstvennogo otdela A[illegible]n-[illegible]skogo s[illegible]tel'nogo upravleniya (for [illegible]). ([illegible] sinking)

PETROV, K.N., gornyy inzhener; ORLOV, I.G.

Using slim holes to break ore in the Altyn-Topkan Mine. Gor. zhur. no.3:37-40 Mr '63. (MIRA 16:4)

1. TSentral'nyy nauchno-issledovatel'skiy gornorazvedochnyy institut tsvetnykh, redkikh i blagorodnykh metallov, Moskva (for Petrov). 2. Direktor Altyn-Topkanskogo rudoupravleniya (for Orlov).

MOISEYEV, Yu.V.; ORLOV, I.G.; VINNIK, M.I.

Effect of nonelectrolytes on the infrared spectrum of water. Part 1: Hydration of butyrolactam in aqueous, alkaline, and acid solutions. Zhur. struk. khim. 6 no.3:387-390 My-Je '65.

(MIRA 18:8)

1. Institut khimicheskoy fiziki AN SSSR.

ORLOV, I.I., inzhener; PERCHIKHIN, K.I., inzhener; TER-MKRTCHAN, G.S., inzhener.

Expedient regulation of peat pump discharge. Torf.prom. 30 no.10:6-9 O '53. (MLRA 6:10)

1. Moskovskiy torfyanoy institut (for Orlov). 2. Institut metrologii (for Perchikhin). 3. TsNIITMASh (for Mkrtchan). (Pumping machinery)

ORLOV, I. I.

Orlov, I. I.

"Investigation of the Operation of a Peat Pump in a Mass-Transport Network in the Hydraulic Method of Peat Mining." Min Higher Education USSR. Moscow Peat Inst. Chair of Hydraulic Peat Machines. Moscow, 1955. (Dissertation for the Degree of Candidate in Technical Science)

So: Knizhnaya letopis', No. 27, 2 July 1955

ORLOV, I.I.

Flow of hydraulic peat in pipes. Koll.zhur.17 no.6:434-438 N-D '55.
(MLRA 9:4)

1.Moskovskiy torfyanoy institut.
(Peat)

ORLOV, [illegible]

Pine

Core formation in the ordinary Pine. [illegible]

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

ORLOV, I. I.

Citrus Fruits

Examination of the varieties of sub-tropical crops. Sad i og., no. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, May 1952, Uncl.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

1. ORLOV, I.I.

2. USSR (600)

4. Forest Management

7. Essential commentary on the biological basis of P.V.Voropanov's improvement cutting method. Les. khoz. 5 no. 11, 1952

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

OKLOV, I. I.

"The Results of Prolonged Tapping of Common Pine," Cand Agr Sci, Moscow Forestry Engineering Inst, Min Higher Education, Sverdlovsk, 1954. (KL, No 1, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (13)
SO: Sum. No. 598, 29 Jul 55

ORLOV, I.I., kandidat sel'skokhozyaystvennykh nauk.

Pine with a high resin yield. Gidroliz. i lesokhim. prom. 9 no.4:14 '56. (MLRA 9:11)

(Pine) (Gums and resins)

ORLOV, I.I.

Face capacity of tapped trees. Gidroliz. i lesokhim. prom. 11 no.2: 10-11 '58. (MIRA 11:3)

1. Institut biologii Ural'skogo filiala AN SSSR.
(Tree tapping)

ORLOV, Ivan Ivanovich, kand.sel'skokhoz.nauk; TULYAKOV, B.V., red.; PITERMAN, Ye.L., red.izd-va; BACHURINA, A.M., tekhn.red.

[Prolonging the flow of resin from pine] Opyt dlitel'noi podsochki sosny. Moskva, Goslesbumizdat, 1959. 99 p. (MIRA 12:7)

(Gums and resins) (Tree topping)

ORLOV, I.I.

Oleoresin yield of pine and cedar trees and methods for determining it. Gidroliz.i lesokhim.prom. 12 no.3:12 '59. (MIRA 12:6)
1. Ural'skiy filial AN SSSR.
(Tree tapping) (Oleoresins)

KOLESNIKOV, B.P., doktor biol. nauk, otv. red.; ORLOV, I.I., kand. sel'khoz. nauk, otv. red.

[Ways for expanding the sources of resin supply in the forest of the Urals and Siberia]Puti rasshireniia syr'evoi bazy podsochki lesov Urala i Sibiri. Sverdlovsk, 1960. 161 p. (MIRA 15:11)

1. Akademiya nauk SSSR. Ural'skiy filial, Sverdlovsk. Institut biologii. 2. Ural'skiy filial Akademii nauk SSSR (for Orlov).
(Ural Mountain region—Turpentining)
(Siberia--Turpentining)

VARTIKOVSKIY, G.L.; ORLOV, I.I.; MAKSIMOV, V.I.; ADROV, M.I., red.

[Tree years' results (1959-1961) of forecasting the tar production of the pine forests of the Tyumen' Economic Council, and the forecast of tar production for the 1962 tapping season] Trekhletnie itogi prognozirovaniia smoloproduktivnosti sosnovykh lesov Tiumenskogo sovnarkhoza, 1959-1961 gg. i prognoz smoloproduktivnosti dlia sezona podsochki 1962 g. Tiumen', TSentr. biuro tekhn. informatsii, 1962. 14 p. (MIRA 16:5)
(Tyumen' Province--Turpentining)

ORLOV, [illegible]

Measuring unit of the yield of galipot in pine tree tapping. Gidroliz. i lesokhim. prom. 17 no.8:20 '64. (MIRA 18:)

1. Ural'skiy filial AN SSSR.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

ORLOV, I.I.

Role of L.A. Ivanov in the development of the biological fundamentals of turpentining. Trudy Inst. biol. UFAN SSSR no. 43: 303-306 '65 (MIRA 19:1)

1. Institut biologii Ural'skogo filiala AN SSSR.

USSR/Engineering - Aerodynamics

Card : 1/1

Author : Orlov, I. I., Engineer

Title : [redacted] flowing through models of the inlet nozzle of an axial-flow compressor

Periodical : Vest. Mash., 34, Ed. 6, 12 - 15, June 1954

Abstract : A description is given of experiments in using mock-ups to test individual parts of compressors or turbines, particularly, inlet and outlet nozzles, for the purpose of designing them in accordance with aerodynamic principles. Formulas are developed for mathematical computation of the dynamic factors. Drawings; graphs.

Institution : ...

Submitted : ...