"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, G. I., kand. tekhn. nauk

Laying track with reinforced concrete crossties. Transp. stroi. 13 no.4:5-9 Ap '63. (MIRA 16:4)

(Railroads--Track)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, G.I., kand. tekhn. nauk

The first road laid in the desert. Transp. stroi. 13 no.5: 75-76 My '63. (MIRA 16:7)

(Railroads—Construction)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, G.I., kand.tekhn.nauk

Construction of the double-track Tokaido line in Japan.
Transp.stroi. 14 no.12:52-54 D '64. (MIRA 19:1)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

1. NOVOZHILOV, G.M.

2. USSR (600)

4. Combines (Agricultural Machinery)

7. Defective manual on the S-4 self-propelled combine ("Self-propelled combine model S-4." Reviewed by G.M. Novozhilov). Mekh. i elek.sel'khoz. no. 3, 1953.

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

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

ALFIMOV, N.N.; YAGOVOY, P.N.; NOVOZHILOV, G.N.

Determining the combined water and air β-activity in certain parts of the Pacific Ocean. Atom energ. 16 no.3:264-266 Mr '64. (MIRA 17:3)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

ACCESSION NR: AP4020340 S/0089/64/016/003/0264/0266

AUTHORS: Alfimov, N.N.; Yagovoy, P.N.; Novozhilov, G.N.

TITLE: Results of research on total beta activity of water and air in some areas of the Pacific Ocean

SOURCE: Atomnaya energiya, v. 16, no. 3, 1964, 264-266

TOPIC TAGS: beta activity, water, air, Pacific Ocean, radioactive fallout Pacific Ocean beta activity, Pacific Ocean radioactive fallout

ABSTRACT: The purpose of this work is to provide data which characterizes the β activity of water in the Pacific Ocean at different latitudes. Samples of several liters of sea water were taken from the ocean surface. Immediately after sampling, temperature and water salinity were measured. It was found that the average specific activity of the water north of 31C30l, the north latitude is 16.6×10^{-11} curie/liter l, and the south is 28.2×10^{-11} curie/liter l. Determinations were made of specific activity of

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ACCESSION NR: AP4020340

sea water at periods with high and low density of radioactive fallout from the atmosphere. The relation is determined between density of radioactive fallout and specific water activity, making it possible to establish the influence of wind direction on amount of fallout. Radioactive fallout reaches its peak with southeastern winds and is lowest with northwestern winds during which the density of radioactive fallout did not correspond to frequency of wind recurrence. Orig. art. has: 2 tables, 1 figure.

ASSOCIATION: None

SUBMITTED: 06May63 DATE ACQ: 31Mar64 ENCL: 00

SUB CODE: NS, PH NO REF SOV: 002 OTHER: 009

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APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

AKHTYRSKIY, N.P., inzh.; NOVOZHILOV, G.P., inzh.; PANFIL', L.S., inzh.; PAKHOMOV, V.Ya., inzh.

Complex 3.3 Kr. a.c. traction substation. Transp. stroi. 14 no.11:9-13 N '64. (MIRA 18:3)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, I.F.

3000

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2227. INVESTIGATION OF THE SEALS ON A ROTARY REGENERATIVE AIR HEATER FOR GAS TURBINE PLANTS. Migai, V.K. and Novozhilov, I.F. (Izv. Akad. Nauk SSSR, Otdel. Tekh. Nauk (Bull. Acad. Sci. ~~U.S.S.R., Sect.~~ Tech. Sci.), Mar. 1956, 51-58). A record of [illegible] (Central Boiler and Turbine Institute) following [illegible] by Cox and Stevens in Great Britain in 1951.

Central Sci. Res. Gas Turbine Inst

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

AUTHORS: Novozhilov, I.F. and Migay, V.K.,(Engineers).

TITLE: Rotating regenerative air heater for a gas turbine installation. (Vrashchayushchiysya regenerativnyy vozdukhopodogrevatel' dlya gazoturbinnoy ustanovki.) 114-7-8/14

PERIODICAL: "Energomashinostroyeniye" (Power Machinery Construction) 1957, No.7, Vol.3, pp.24-27. (U.S.S.R.)

ABSTRACT : An effective method of increasing the efficiency of gas turbine installations is to use the heat of the exhaust gases. For this purpose compact and efficient heat exchangers are required. Regenerative heat exchangers with rotating heating surfaces are particularly compact. They achieve heating surfaces of 9,000 m^2/m^3 with an equivalent channel diameter of 0.3 mm. The regenerator consists of a disc or drum shaped rotor bearing the heating surface. The heating surface may be a metal strip, a wire grid, ceramic quartz or glass cloth, porous metal and so on. At the present time the most promising heating surface is a packing made of metal strip. In the rotating regenerator the flows of gas and air in opposite directions are separated from one another by a system of glands. The great temperature differences, which cause deformation of the rotor, and also the presence of critical pressure drops give rise to considerable difficulties in the design of glands. The Central Boiler & Turbine Institute has a special rig (Fig.1) which includes an experimental rotating regenerator which was used in the development of the glands. Compressed air

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Rotating regenerative air heater for a gas turbine installation.
(Cont.) 114-7-8/14

at pressures up to 4 atm. was delivered to the rig from compressors. Exhaust gas from a turbine was imitated in the initial experiments by air heated in electric heaters, and in later experiments during operation at higher temperatures, the gases were obtained from a combustion chamber working on kerosene. Leakage of compressed air was calculated as the difference between the flows of air and gas determined by means of measuring diaphragms and Prandtl tubes and was then checked by the method of gas analysis, by concentration of CO_2. Fig. 2 gives results of leakage per length of unit gland obtained during cold tests. The horizontal solid line corresponds to the upper limit of leakage recommended in the English literature for an open cycle gas turbine installation of 1500 KW. Fig.3 shows the relationship between the leakage in the number of discs, the graph is constructed for an open-cycle gas turbine installation with an output of 1,000 kW and a compression ratio of 3.5 with values of specific leakage taken from Table 2. Measurements were made of the pressure distribution under the shoes and the results are given in Fig.4. Thermal calculations on a rotating regenerator differ from those on a stationary regenerator only in the value of the heat transfer
2/5 coefficient. Formulae are given for the heat transfer

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

Rotating regenerative air heater for a gas turbine installation. (Cont.) 114-7-8/14

coefficient and the corresponding values of Nusselt's numbers over a definite range of Reynolds numbers may be determined from the graph, Fig.5. In tests carried out on a model regenerator, determinations were made of the dependence of the coefficient of regeneration on the flows of heating and heated media and on the rotor speeds. The inlet and outlet temperatures were measured by means of 16 chromel-alumel thermo-couples. A study was first made of the relationship between the regeneration coefficient and the rotor speed. The tests were carried out at speeds of 5, 7.5 and 14 r.p.m. and the results are given on Fig.6 together with a theoretical curve calculated from the formula of S.S.Kutateladze which is given in the paper. The good agreement between the theoretical curve and the experimental points indicates the value of the formula for calculations on rotating regenerators. The same procedure was used to make thermal calculations on the rotating model regenerator for a speed of 14 r.p.m. The initial data were determined experimentally. Calculation gave the following dimensions for the heating surface of the rotor: diameter 0.58 metres, height 0.094 metres; in the actual experimental installation these values were respectively 0.6 and 0.092 metres. A similar thermal calculation was made for a regeneration factor

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Rotating regenerative air heater for a gas turbine installation.
(Cont.) 114-7-8/14

of 0.8. In tests on the model regenerator carried out with air and gas conditions determined by calculation the regeneration coefficient obtained was 0.78. Therefore, the thermal calculation of a rotating regenerator can be recommended for the calculation of similar heat exchanges. In addition to thermal tests on models, laboratory tests were carried out to determine the heat transfer of a packing element. The element was made of corrugated strip of stainless steel 0.1 mm thick stuck with a special adhesive to a flat brass plate 1 mm thick. The corrugations formed 40 parallel channels of triangular cross section. Measurements were made of the rate of flow of water through the element and of the inlet and outlet temperatures. The experimental results were worked out in terms of criteria of similarity. The points have been inserted on the common graph, Fig.5. The same graph includes experimental points for heat transfer by contact in triangular channels obtained by other authors. The agreement between the experimental results shown in Fig.5 demonstrates that heat transfer in the packings of rotating regenerators can be studied on stationary models. It is concluded that the rotating regenerator is a relatively effective type of air heater for gas turbine installations of comparatively

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

Rotating regenerative air heater for a gas turbine installation. (Cont.) 114-7-8/14

small output and low compression ratios. The use of these regenerators appears to be particularly promising for transport gas turbine installations, for example, on automobiles, locomotives, river transport, etc. With some design simplification rotating regenerators may be applied successfully in boiler installations with forced draught particularly for powerful and super-powerful steam boilers.

There are 6 figures and 3 literature references (2 Russian).

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APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, I.F.

AUTHORS: Novozhilov, I.F., and Migay, V.K. 113-58-3-5/16

TITLE: Condensing Devices for the Regenerator of a Gas Turbine Engine (Uplotnitel'nyye ustroystva dlya regeneratora gazoturbinnogo dvigatelya)

PERIODICAL: Avtomobil'naya Promyshlennost', 1958, Nr 3, pp 16-19 (USSR)

ABSTRACT: Modern carburetor engines consume 210-280 g of fuel per hp/h, gas turbine engines without regenerators consume 315-510 g per hp/h, and gas turbine engines with effective regenerators have nearly the same consumption as piston type internal-combustion engines. The effective power factor of carburetor engines is 0.22-0.30, of gas turbine engines without regenerator 0.12-0.15, and with regenerator nearly the same as in piston type engines. The most effective regenerator for the gas turbine engine is the revolving regenerator in the form of a disc or a drum. Compact and simple heating surfaces were first used in foreign regenerators [Ref 2]. The condensing devices in these regenerators were designed according to the labyrinth principle (Figure 2). The national Bureau of Gas Turbines in England developed disc regenerators with self-regulating condensing devices [Ref 3]. Figure 3 shows the diagram

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113-58-3-5/16

Condensing Devices for the Regenerator of a Gas Turbine Engine

of such a regenerator. The loss of air in these regenerators were high, 75 g/sec for 1 m of condensation. The air pressure was 3.16 kg/cm^2 at a temperature of 600° C. The regenerator of the American Ford Plant [Ref 4] condenses the central part of the regenerator. It is calculated for a regeneration factor of 0.80. It has 20 rpm. Soviet devices were developed by the Boiler Turbine Institute imeni Polzunov. They consist of radial, elevation, and circumferential devices (Figure 5). Seven variations of condensing devices were developed. The 6th and 7th are shown in Figure 6. Tests on the 7th revealed that there are still many drawbacks. The mounts were not solid enough. The membrane between the sockets and the guiding blades was not effective therefore 10 variations of membranes were developed (Figure 9). The most effective was membrane # 10. The loss of air with this membrane was only 47 g/sec for 1 m of condensation. These investigations were only the first step in the development of a revolving regenerator.

There are 9 figures, and 6 references, 2 of which are Soviet, 2 American, 1 English, and 1 German.

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APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

113-58-3-5/16

Condensing Devices for the Regenerator of a Gas Turbine Engine

ASSOCIATION: Leningradskiy tsentral'nyy kotloturbinnyy institut imeni Polzunova (Leningrad Central Boiler Turbine Institute imeni Polzunov)

AVAILABLE: Library of Congress

Card 3/3 1. Gas turbine regenerators-Design

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, I.F., inzh.; MIGAY, V.K., kand. tekhn. nauk

Intensification of convective heat exchange in tubes by means of artificial roughness. Teploenergetika 1. no. [illegible] [illegible]

1. TSentral'nyy kotloturbinnyy institut.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

MIGAY, V.K., kand. tekhn. nauk; NOVOZHILOV, I.P., inzh.

Heat exchange in pipes with internal transverse bulges. Izv. vys. uchebn. zav.; energ. 8 no.11:36-43 N '65.
(MIRA 18:11)

1. TSentral'nyy kotloturbinnyy institut imeni I.I. Polzunova.

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, I. I.

Defoliation of the seed plants of vetch. Zemledelie 6 no.8:65-67 Ag '58. (MIRA 12:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kormov imeni V.R.i Vil'yamsa.
(Vetch) (Defoliation)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, I.I.

Planting spring vetch along with white mustard. Zemledelie 7 no.4:76 Ap '59. (MIRA 12:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kormov imeni V.R. vil'yamsa.

(Vetch) (Mustard)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, I.I.

Vernalization of spring vetch. Agrobiologiia no.1:67-70 Ja-F '60. (MIRA 13:5)

1. Zonal'nyy nauchno-issledovatel'skiy institut sel'skogo khozyaystva Severo-Vostoka, g. Kirov.
(Vetch) (Vernalization)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

28(1) PHASE I BOOK EXPLOITATION SOV/2156

Novozhilov, I.M.

Soveshchaniye po kompleksnoy mekhanizatsii i avtomatizatsii tekhnologicheskikh protsessov. 2nd, 1956.

Avtomatizatsiya mashinostroitel'nykh protsessov; /trudy soveshchaniya/, tom. 1: Goryachaya obrabotka metallov (Automation of Machine-Building Processes; Proceedings of the Conference on Over-All Mechanization and Automation of Technological Process, Vol 1: Hot Metal-Forming) Moscow, 1959. 394 p. 5,000 copies printed.

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

Resp. Ed.: V.I. Dikushin, Academician: Compiler: V.M. Raskatov: Ed. of Publishing House; V.A. Kotov; Tech. Ed.: I.P. Kuz'min.

PURPOSE: The book is intended for mechanical engineers and metallurgists.

COVERAGE: The transactions of the Second Conference on the Over-All Mechanization and Automation of Industrial Processes, September 25-29, 1956, have been published in three volumes. This book, Vol. I, contains articles under the general title, Hot Working of Metals. The investigations described in the book were conducted by the Sections for Automation and Hot Working of Metals, under the direction of the following scientists: casting - P.N. Aksenov, D.P. Ivanov and G.M. Orlov; forming - A.I. Tselikov, A.D. Tomlenov and V.T. Meshcherin; welding - G.A. Nikolayev, B.I. Prolov and G.A. Maslov. There are 183 references: 142 Soviet, 34 English, 6 German, and 1 French.

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APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, I.V., kand. ekon. nauk; LOPATKIN, V.G., red.; NAUMOV, K.M., tekhn. red.

[National income of a socialist society; lecture read at the Higher Party School in Khabarovsk] Natsional'nyi dokhod sotsialisticheskogo obshchestva; lektsiia, prochitannaia v Khabarovskoi vysshei partiinoi shkole. Moskva, Vysshaia partiinaia shkola pri TsK KPSS, 1958. 25 p. (MIRA 11:7)

(Income)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, I. V. (Moskva); SHATALOV, N. V.

Gyroscopic power stabilizer with a dynamic vibration damper.
Izv. AN SSSR. Mekh. i mashinostr. no.3:87-89 My-Je '64.
(MIRA 17:7

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

S/179/62/000/004/005/010
E191/E535

13.2520

AUTHOR: Novozhilov, I. V. (Moscow)

TITLE: Power assisted gyroscopic stabiliser with a dynamic vibration absorber

PERIODICAL: Akademii nauk SSSR. Izvestiya. Otdeleniye tekhnicheskikh nauk, Mekhanika i mashinostroyeniye, no.4, 1962, 112-114

TEXT: In a gyroscopic stabiliser, provided with a stabilising motor which drives the gimbal axles mounted on bearings fixed on the deck, a vibration absorber can be arranged on the same axis. An analysis of this arrangement is given in which the transfer function is derived and shown to be identical with that of mechanical oscillating system with two degrees of freedom wherein the main mass is connected to earth by a spring and the dynamic abosrber mass is connected to the main mass by a spring and a dashpot in parallel. A sufficiently accurate determination of the optimum values of the absorber design parameters can be carried out by using this simple analogy. A numerical example is given. There are 2 figures.

SUBMITTED: February 7, 1962

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

ANDREYEV, V.D.; DEVYANIN, Ye.A.; DEM'YANOVSKIY, A.P.; NOVOZHILOV, I.V.; PARUSNIKOV, N.A.

Concerning V.P. Seleznev's book "Navigation system."
Izv. AN SSSR Tekh. kib. no.2:184-187 Mr-Ap'64.
(MIRA 17:5)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, I.V. (Moskva)

Stability of a triaxial gyrostabilizer. Izv. AN SSSR. Mekh. no.5:137-140 S-O '65. (MIRA 18:10)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

L 06205-67 EWT(d)

ACC NR: AP6024186 SOURCE CODE: UR/0424/66/000/002/0003/0010

46
45
B

AUTHORS: Andreyev, V. D. (Moscow); Novozhilov, I. V. (Moscow)

ORG: none

TITLE: On controlling the motion of an object by newtonometer readings

SOURCE: Inzhenernyy zhurnal. Mekhanika tverdogo tela, no. 2, 1966, 3-10

TOPIC TAGS: accelerometer, newtonometer, trajectory determination, navigation, inertial navigation

ABSTRACT: A study is made involving the instantaneous control of the center of mass motion for a solid object by means of newtonometer readings, without determination of the coordinates of the object. This study is performed by analyzing the equations of motion of an object along a programmed trajectory. A right-handed orthogonal coordinate system is introduced in which the position of the center of mass of the object is referenced with respect to an origin at the center of the earth. Definitions are made for several variables describing the geometric system and also the characteristics of the newtonometer. The discussion proceeds to the consideration of how the signal of the newtonometer is converted into directional control of the object. This leads to the stating of a system of equations relating the motion of the center of mass of the object to its programmed position. The system is transformed into a system in

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

ACC NR: AP6034142 (N) SOURCE CODE: UR/0424/66/000/005/0033/0039

AUTHOR: Novozhilov, I. V. (Moscow)

ORG: none

TITLE: On lowering the order of equations in gyroscopic systems

SOURCE: Inzhenernyy zhurnal. Mekhanika tverdogo tela, no. 5, 1966, 33-39

TOPIC TAGS: gyroscope, partial differential equation, approximation method, Hamilton equation, asymptotic expansion

ABSTRACT: The possibility of reducing the order of gyroscopic equations is discussed. This is achieved by using a differential equation with a small parameter in its leading derivative. For a steady holonomic system the governing equation of motion for the gyroscope system is given by

$$\frac{d}{dt}\frac{\partial T_2}{\partial q_k'} - \frac{\partial T_2}{\partial q_k} = Q_k + H\sum_{j=1}^{s} g_{jk}q_j' \qquad H = \min|H_l|$$

$$(l = 1, \ldots, r) \quad (k = 1, \ldots, s).$$

Using the small parameter assumption $\mu = \lambda^2$, this equation is reduced to

$$\mu\frac{\partial T_2}{\partial q_k'} + Q_k + H_0\sum_{j=1}^{s} g_{jk}q_j' = 0 \qquad (k = 1, \ldots, s).$$

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

ACC NR: AP6034142

Physically, this is equivalent to assuming the high frequency components of the motion to have a small period compared with its precession period. Two examples are given to illustrate the method. The first deals with the motion of a holonomic and scleronomic system under gyroscopic and dissipative forces. The second is the motion of a gyroscope with a universal joint of finite rigidity. In the latter case the degenerate equations are given by the set:

$$(1+\varepsilon)\ (K\alpha_1 + n\alpha_1') + H(\beta' + \beta_1') + \varepsilon L_\varepsilon = 0$$

$$-(1+\varepsilon_1)(K\beta_1 + n\beta_1') + H(\alpha' \cos\beta^\circ + \alpha_1') - \varepsilon_1 L_{\gamma_1} = 0$$

$$A(\beta'' + \beta_1'') = -(K\beta_1 + n\beta_1') + H(\alpha' \cos\beta^\circ + \alpha_1')$$

$$A_0\alpha'' = (K\alpha_1 + n\alpha_1')\cos\beta^\circ + L_\varepsilon$$

Orig. art. has: 24 equations.

SUB CODE: 17,12/ SUBM DATE: 12Mar66/ ORIG REF: 005

Card 2/2

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, K. V.

NOVOZHILOV, K. V. "A study of the forms and methods of using DDT in order to Increase its Effectiveness in Combatting the harmful Eurygaster integriceps Put." All-Union Order of Lenin Academy of Agricultural Sciences imeni V. I. Lenin. All-Union Sci Res Inst of Plant Conservation. Leningrad, 1956
(For the Degree of Candidate in Agricultural Science)

So: Knizhnaya Letopis' No. 18, 1956

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

PAYKIN, D.M., kand. sel'skokhozyaystvennykh nauk; NOVOZHILOV, K.V., kand. sel'skokhozyaystvennykh nauk.

Factors of the effectiveness of DDT in controling shield bug Eurygaster integriceps Put. Trudy VIZR no.9:101-144 '58. (MIRA 12:1)

(Eurygasters) (DDT (Insecticide))

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

PAYKIN, D.M., kand. sel'skokhoz. nauk; NOVOZHILOV, K.V., kand. sel'skokhoz. nauk; MENDE, P.F., kand. sel'skokhoz. nauk

Chemical method for controlling the cutworm Hadena basilinea. Zashch. rast. ot vred. i bol. 4 no.2:19-20 Mr-Ap '59. (MIRA 16:5)

(Kustanay Province—Cutworms—Extermination)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, K.V., kand. sel'skokhoz. nauk

Pesticides used in Canada. Zashch. rast. ot vred. i bol. 9 no.6:47-49 '64 (MIRA 17:7)

1. Vsesoyuznyy institut zashchity rasteniy.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, K.V.

Chemical control of the cotton Hadene sordida Bkh. as one of the measures in general control system. Trudy Vses. ent. ob-va 50:218-227 '65. (MIRA [illegible])

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

MIGAY, V. K.; NOVOZHILOV, L. F.

"Investigation of convective heat transfer by vortex generators."

report submitted for 2nd All-Union Conf on Heat & Mass Transfer, Minsk, 4-12 May 1964.

Polzunov Central Boiler & Turbine Inst.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

L 10931-67 EWT(1) GW

ACC NR: AP6006526 (N) SOURCE CODE: UR/0375/65/000/011/0054/0059

13

AUTHOR: Novozhilov, L. V. (Engineer, Captain Lieutenant)

ORG: None

TITLE: More utilization of warships in hydrographic work

SOURCE: Morskoy sbornik, no. 11, 1965, 54-59

TOPIC TAGS: oceanographic research facility, ocean floor topography, oceanographic ship, oceanography, ~~oceanographic personnel~~, ~~military personnel~~, ship navigation, HYDROGRAPHIC SURVEY

ABSTRACT: The topography of ocean bottoms, as well as the sea life that inhabits them, are subjects of extreme importance for the need for such knowledge covers a wide spectrum, from safety of navigation to determination of ship's position. The Soviet Union usually uses special hydrographic subunits for such work but there is a vital need for more comprehensive and intensive hydrographic research. In the prewar years, Russian vessels helped considerably in this research by their habitual practice of taking soundings during routine cruises, and this is true as well of warships of the Soviet Navy, which, even during World War II, found time to engage in hydrographic research. The postwar years, however, saw a decline in this type of activity which has only recently been stemmed. Soviet warships are a tremendous vehicle with which to conduct hydrographic research in great volume and at lc. cost. In addition, warships can take mass soundings while in formation. This is perhaps the most important

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L 10931-67

ACC NR: AP6006526

attribute of hydrographic research by warships. The availability of highly accurate navigation equipment aboard the ships and the high degree of standardization of these equipments throughout the fleet, make possible the simultaneous underwater charting of great expanses of ocean floor. Measurements taken in this fashion can, by the use of specific mathematical computations, be corrected, compiled, and ultimately presented as a composite presentation. It should be made mandatory for warship navigators to do running survey work. This will serve the dual purpose of obtaining widespread, additional survey material, and markedly expanding the scope of and increasing the special skills of fleet navigators. Orig. art. has: 4 figures.

SUB CODE: 08, 15/SUBM DATE: None/ ORIG REF: 006/ OTH REF: 001

Card 2/2

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

L 39992-66 EWT(d) BC

ACC NR: AP6015403 (N) SOURCE CODE: UR/0373/65/000/012/0054/0056

AUTHOR: Novozhilov, L. V. (Engineer, Lieutenant commander)

ORG: none

TITLE: The search for suspected hazards to navigation in open waters

SOURCE: Morskoy sbornik, no. 12, 1965, 54-56

TOPIC TAGS: ship navigation, detection probability

ABSTRACT: A mathematical solution is given for the problem of identifying the position of a hazard to shipping in the open seas when the exact location, as specified on navigational charts, is doubtful. Assuming that the possible error in coordinate identification by the ship sighting and reporting the hazard is subject to the normal laws of probability distribution, one may use Laplace's probability function to express the probability of locating the hazard. With the use of empirical data as well, one may compute the most effective tack for locating the hazard and the probability of success. Orig. art. has: 8 formulas, 2 figures, 3 tables.

SUB CODE: 17,13/ SUBM DATE: none/ ORIG REF: 002

Card 1/1 11b

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NUROK, Grigoriy Arkad'yev [illegible], prof., [illegible] nauk, [illegible] nimali uchastiye: [illegible], V.V., kand. tekhn. nauk [illegible] K.G., dots., kand. tekhn. nauk; [illegible], B.A., kand. tekhn. nauk; MUSHNIK, [illegible], prof., doktor tekhn. nauk, retsenzent; [illegible], M.A., prof., doktor tekhn. nauk, retsenzent; IVANOV, A.Ye., [illegible] red.; [illegible], red.; KHOLIN, [illegible], prof., red.

[Technology and planning [illegible] mining operations] Tekhnologiia i proektirovanie [illegible] nizatsii gornykh rabot. [illegible]

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

USSR/Mines and Mining Apr 1948
Mining Methods
Copper

"Open Works as the First Stage in Exploiting Copper-Pyrite Deposits," Docent M. G. Novozhilov, Sverdlovsk Mining Inst, 2 pp

"Gor Zhur" No 4

Exploitation of copper-pyrite deposits is complicated by underground fires caused by spontaneous combustion of the pyrite. Great advantage of open working in the exploitation of large copper-pyrite deposits lies in safety from fires. Open working

LC 66T100

USSR/Mines and Mining (Contd) Apr 1948

must be considered the first stage of exploitation of large copper-pyrite deposits and must be completely mechanized. Mechanization facilitates economical operations. During the exploitation of the upper zone of a deposit by open pit, the lower part can be prepared for underground exploitation at the lowest cost.

LC 66T100

P A 66T100

NOVOZHILOV, M. G. Docent

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M. G.

Open-pit mining Sverdlovsk, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1950. 588 p. (51-54446)

TN291.N6

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, Mikhail Galaktionovich.

Academic title of Doctor of Technical Sciences, based on his defense 7 March 1955 in the Council of Sverdlovsk Mining Inst imeni Vakhrushev, of his dissertation entitled: "Basic Problems of the Open Working of Deposits at Great Depths," and the Academic title of Professor in the Chair: "Deposits of Useful Minerals."

Academic degree: Doctor of Sciences
Academic title: Professor

SO: Decisions of VAK, List no. 12, 28 May 55, Byulleten' MVO SSSR, No. 15, Aug 56, Moscow, pp. 5-24, Uncl. JPRS/NY-537

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., dokt. tekhn. nauk; [illegible]
YEFREMOV, E.I., inzh.; [illegible]
D.I., inzh.

Increasing mining rates during the construction of [illegible] mines.
Shakht. stroi. 8 no. 1:23-24 Ja '64. [illegible]

1. Inguletskiy gornoobogatitel'nyy kombinat [illegible]
Novokrivorozhskiy gornoobogatitel'nyy kombinat [illegible].

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., professor.

The use of heavy-lead inclined cable hoists in deep pits.
Gor.zhur.no.4:20-26 Ap '56. (MLRA 9:7)

1.Magnitogorskiy gorno-metallurgicheskiy institut.
(Mine hoisting) (Strip mining)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., prof.

Urgent tasks in open pit mining. Izv. vys. ucheb. zav.; gor. zhur. no.8:16-20 '58. (MIRA 12:5)

1. Dnepropetrovskiy gornyy institut.
(Strip mining)
(Coal mines and mining--Labor productivity)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., prof.; SELYANIN, V.G., inzh.

New technology of mining Krivoy Rog Basin iron quartzites by the open-cut method. Izv.vys.ucheb.zav.; gor.zhur. no.3:55-63 '59. (MIRA 13:4)

1. Dnepropetrovskiy ordena Trudovogo Krasnogo Znameni gornyy institut imeni Artema. Rekomendovana kafedroy razrabotki rudnykh mestorozhdeniy i otkrytykh rabot.
(Krivoy Rog--Quartzite) (Strip mining)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., prof., doktor tekhn.nauk; SHARKOV, A.M., kand.tekhn. nauk; TARTAKOVSKIY, B.N., gornyy inzh.

New techniques in baring operations for Donets Basin lignite deposits. Ugol' Ukr. 4 no.2:23-25 F '60. (MIRA 13:6)

(Donets Basin--Lignite) (Mining engineering)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., prof.; TARTAKOVSKIY, B.N., inzh.; BORISYUK, R.F., inzh.

Grounds for the selection of a type of console-belt waste-stacker for Ukrainian lignite mines. Izv.vys.ucheb.zav.; gor. zhur. no.6: 15-26 '60. (MIRA 14:5)

1. Dnepropetrovskiy gornyy institut imeni Artema. Rekomendovana kafedroy rudnykh mestorozhdeniy i otkrytykh rabot.
(Ukraine--Coal mines and mining)
(Conveying machinery)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., prof.; TARTAKOVSKIY, B.N., inzh.; SHALIMANOV, I.P., inzh.

Use of conveyer bridges in open-cut lignite mines in the Dnieper Basin. Izv. vys. ucheb. zav.; gor. zhur. no. 11:39-50 '60. (MIRA 13:12)

1. Dnepropetrovskiy ordena Trudovogo Krasnogo Znameni gornyy institut imeni Artema. Rekomendovana kafedroy razrabotki rudnykh mestorozhdeniy i otkrytykh rabot Dnepropetrovskogo gornogo instituta.
(Dnieper Basin--Strip mining) (Excavating machinery)
(Mine haulage)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, Mikhail Galaktionovich; SELYANIN, Vitaliy Georgiyevich; SAMSONOVA, M.T., red.; GARINA, T.D., tekhn. red.

[Modern techniques in open-pit iron mining] Sovershenstvovanie tekhniki i tekhnologii otkrytoi razvabotki zhelezorudnykh mestorozhdenii. Moskva, Gos. izd-vo "Vysshaia shkola," 1961. 153 p. (MIRA 14:9)
(Strip mining)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., prof., doktor tekhn. nauk; SELYANIN, V.G.; TARTAKOVSKIY, B.N.; Prinimali uchastiye: PCHELKIN, G.D., inzh.; ESKIN, V.S., inzh.; SHARKOV, A.M., kand. tekhn. nauk; BORISYUK, R.F., inzh.; ABDUFATTAKHOV, A.A., inzh.; ANDRIYENKO, A.F., inzh.; KTITOROV, P.M., inzh.; GLUSKIN, L.I., inzh.; LEVCHENKO, N.K., inzh.; GAVRILYUK, I.I., inzh.; SHPEKTOROV, Yu.Z., inzh.; KOCHERGA, N.T., red.; GORKAVENKO, L.I., tekhn. red.

[New technical methods and equipment in open-pit mining of mineral deposits] Novaia tekhnologiia otkrytoi razrabotki mestorozhdenii poleznykh iskopaemykh. Pod obshchei red. M.G.Novozhilova. Kiev, Gos.izd-vo tekhn. lit-ry USSR, 1961. 205 p. (MIRA 15:5)

(Strip mining)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, Mikhail Galaktionovich, prof., doktor tekhn.nauk. Prinimal uchastiye MESHCHERYAKOV, A.I., dotsent. ZURKOV, P.E., prof., retsenzent; ORLOV, Ye.I., otv.red.; KAUFMAN, A.M., red.izd-va; BERESLAVSKAYA, L.Sh., tekhn.red.; BOLDYREVA, Z.A., tekhn.red.

[Open-pit mining] Otkrytye gornye raboty. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu, 1961. 474 p. (MIRA 14:6)

(Strip mining)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., prof., doktor tekhn.nauk

Basic trends in the mechanization of open-pit mines. Gor. zhur. no. 1:25-27 Ja '61. (MIRA 14:1)

1. Dnepropetrovskiy gornyy institut.
(Strip mining--Equipment and supplies)
(Excavating machinery)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., doktor tekhn.nauk, prof.

Basic problems of mining science and technology in the field of strip mining. Nauch.zap.Ukrniiproekta no.5:3-13 '61. (MIRA 15:7)
(Strip mining)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., prof.; SELYANIN, V.G., kand. tekhn. nauk; ESKIN, V.S.
ESKIN, V.S., inzh.

Efficient open-pit mining systems used in "Yazovskoye" natural sulfur deposit. Izv. vys. ucheb. zav.; gor. zhur. no.5:9-17 '61. (MIRA 16:7)

1. Dnepropetrovskiy ordena Trudovogo Krasnogo Znameni gornyy institut imeni Artema. Rekomendovana kafedroy razrabotki rudnykh mestorozhdeniy i otkrytykh rabot.
(Ukraine--Sulfur mines and mining)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., prof.; SHARKOV, A.M., kand.tekhn.nauk; TARTAKOVSKIY, B.M., gornyy inzh.

New method of excavating trenches in the construction of lignite open-pit mines in the Ukraine. Ugol' Ukr. 5 no.3:28-29 Mr '61.
(Ukraine--Strip mining)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., prof.; TARTAKOVSKIY, B.N., inzh.

New technical methods and equipment for open-pit mining of the Nikopol' manganese deposit. Izv. vys. ucheb. zav.; gor. zhur. no.6:11-18 '61. (MIRA 16:7)

1. Dnepropetrovskiy ordena Trudovogo Krasnogo Znameni gornyy institut imeni Artema. Rekomendovana kafedroy razrabotki rudnykh mestorozhdeniy i otkrytoy razrabotki.
(Nikopol' region—Manganese mines and mining—Equipment and supplies)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., prof.; KUCHERYAVYY, F.I., dotsent; KHODAKOVSKIY, Yu.F., inzh.; GLUSKIN, L.I.

Ways of increasing the efficiency of boring and blasting in the Karakubskiy pits. Gor. zhur. no.7:36-38 Jl '61. (MIRA 15:2)

1. Dnepropetrovskiy gornyy institut (for Novozhilov, Kucheryavyy, Khodakovskiy). 2. Glavnyy inzh. Karakubskogo rudoupravleniya (for Gluskin).
(Komsomol'skoye region(Donetsk Province)—Boring)
(Blasting)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., prof.; KUCHERYAVYY, F.I., kand.tekhn.nauk; DRUKOVANYI, M.F., gornyy inzh.; GAYEK, Yu.V., gornyy inzy.

Introduce new highly efficient technology in open-pit mining of hard ores. Gor. zhur. no.10:20-21 O '61. (MIRA 15:2)

1. Dnepropetrovskiy gornyy institut.
(Strip mining)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., prof., doktor tekhn.nauk; SHAMKOV, A.M., kand.tekhn.nauk; TARTAKOVSKIY, B.N., gorn.inzh.; VARSHAVSKIY, A.M., gorn.inzh.

Practice in the operation of conveyor bridges for waste dumping in the lignite open-pit mines of the Dnieper Basin. Ugol' 36 no.2:24-30 F '61. (MIRA 14:2)
(Dnieper Basin--Strip mining) (Mine haulage)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., prof.; KUCHERYAVYY, F.I., dotsent; KHODAKOVSKIY, Yu.P., gornyy inzh.; GLUSKIN, L.I., gornyy inzh.

Optimum parameters of boring and blasting operations and their effect on rock breaking by blasting. Vzryv. delo no.47/4:197-204 '61. (MIRA 15:2)

(Blasting) (Boring)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, Mikhail Galaktionovich, prof., doktor tekhn. nauk; SELYANIN, Vitaliy Georgiyevich, kand. tekhn. nauk; TROP, Abram Yefimovich, prof., doktor tekhn. nauk; Prinimal uchastiye GERSHUN, O.S., kand. tekhn. nauk; RZHEVSKIY, V.V., prof., doktor tekhn. nauk, retsenzent; ROGATIN, N.N., inzh., retsenzent; GEYMAN, L.M., red. izd-va; MESHCHANKINA, I.S., tekhn. red.

[Deep open pits]Glubokie kar'ery. Moskva, Gosgortekhizdat, 1962. 275 p. (MIRA 16:1)

(Strip mining)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., prof.; TARTAKOVSKIY, B.N., inzh.; GAVRILYUK, I.I., inzh.

New technique for the open working of deposits of flux limestones of the Karakubskoye Ore Administration. Sbor.trud.VNIINegrud no.1:24-33 '62. (MIRA 15:7)

1. Dnepropetrovskiy gornyy institut.
(Limestone) (Ukraine—Strip mining)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., prof.

Basic trends of technical progress in strip mining of deposits. Izv.vys.ucheb.zav.; gor.zhur. 5 no.2:3-11 '62. (MIRA 15:4)

1. Dnepropetrovskiy ordena Trudovogo Krasnogo Znameni gornyy institut imeni Artema. Rekomendovano kafedroy razrabotki mestorozhdeniy poleznykh iskopayemykh otkrytym sposobom Dnepropetrovskogo gornogo instituta.
(Strip mining)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M. G., prof.; TARTAKOVSKIY, B. N., kand. tekhn. nauk; ABDUFATTAKHOV, A. A., inzh.

Improved technical methods and equipment in open-cut operations in iron ore pits of the Kerch Basin. Izv. vys. ucheb. zav.; gor. zhur. 5 no.8:3-11 '62. (MIRA 15:10)

1. Dnepropetrovskiy ordena Trudovogo Krasnogo Znameni gornyy institut imeni Artema. Rekomendovana kafedroy otkrytykh gornykh rabot.

(Kerch Basin—Strip mining)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., prof.; TARTAKOVSKIY, B.N., kand.tekhn.nauk; KOVALENKO, A.A., inzh.; BARSUKOV, M.I., inzh.

Basic parameters of working trenches in constructing open pits with continuously operating machines. Izv. vys. ucheb. zav.; gor. zhur. 5 no.10:18-26 '62. (MIRA 15:11)

1. Dnepropetrovskiy ordena Trudovogo Krasnogo Znameni gornyy institut imeni Artema. Rekomendovana kafedroy otkrytykh rabot.
(Nikopol' region--Strip mining)

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G. [Novozhylov, M.H.], doktor tekhn.nauk, prof.

Extraction of useful minerals by strip mining. Nauka i zhyttia 12 no.10:20-21 O '62. (MIRA 16:1)

(Strip mining)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

VARSHAVSKIY, Anatoliy Mikhaylovich, kand. tekhn. nauk; NOVOZHILOV, Mikhail Galaktionovich, prof., doktor tekhn. nauk; LYUBIMOV, N.G., otv. red.; IL'INSKAYA, G.M., tekhn. red.

[Improving the conditions for exploiting heavy-duty, continuous striping machine units] Sovershenstvovanie rezhima ekspluatatsii moshchnykh vskryshnykh kompleksov nepreryvnogo deistviia. Moskva, Gosgortekhizdat, 1963. 162 p. (MIRA 16:10)

(Strip mining--Equipment and supplies)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., prof.

Problems in open-cut working of deposits at great depths. Gor. zhur. no.5:15-20 My '63. (MIRA 16:5)

1. Dnepropetrovskiy gornyy institut.
(Strip mining)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., doktor tekhn. nauk, prof.; DRUKOVANYY, M.F., kand. tekhn. nauk; YEFREMOV, E.I., inzh.

State of and basic trends in improving boring and blasting operations in granite quarries. Vzryv. delo no.51/8:206-223 '63. (MIRA 16:6)

1. Otdel gornorudnykh problem AN UkrSSR.
(Granite industry) (Blasting) (Boring)

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., doktor tekhn. nauk, prof.; DRUKOVANYY, M.F., kand. tekhn. nauk; KRASNOPOL'SKIY, A.A., inzh.; ONISHCHENKO, V.Ya., inzh.

Effect of rotary drilling on the quality of blasting operations. Vzryv. delo no.51/6:223-231 '63. (MIRA 16:6)

1. Otdel gornorudnykh problem AN UkrSSR (for Novozhilov, Drukovanyy). 2. Dokuchayevskiy flyuso-dolomitnyy kombinat (for Krasnopol'skiy, Onishchenko).
(Boring) (Blasting)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., prof., doktor tekhn. nauk; DRUKOVANYY, M.F., kand. tekhn. nauk; GEYMAN, L.M., gornyy inzh.; YEFREMOV, E.I., gornyy inzh.; KHOTIYENKO, Yu.P., gornyy inzh.

Effect of the diameter of the charge on the extent of the crushing of friable bodies by blasting. Vzryv. delo no.53/10: 59-76 '63. (MIRA 16:8)

1. Otdeleniye gornorudnykh problem AN UkrSSR.
(Blasting)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

KHOKHRYAKOV, Vladimir Stepanovich, kand. tekhn. nauk; NOVOZHILOV, M.G., prof., doktor tekhn. nauk, retsenzent; SELYANIN, V.G., kand. tekhn.nauk, retsenzent; DIDKOVSKIY, D.Z., otv. red.; GEYMAN, L.M., red.izd-va; LOMILINA, L.N., tekhn. red.

[Open-cut mining operations] Otkrytye gornye rabety. Izd.2., perer. i dop. Moskva, Gosgortekhizdat, 1963. 258 p. (MIRA 17:1)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, Mikhail Galaktionovich, doktor tekhn. nauk, prof.; FIDELEV, A.S., doktor tekhn. nauk, prof.; AFONINA, G.P., red.izd-va; SHAFETA, S.M., tekhn. red.

[Open-pit mining of mineral deposits] Otkrytaia razrabotka mestorozhdenii poleznykh iskopaemykh. Kiev, Gostekhizdat, USSR, 1963. 393 p. (MIRA 17:2)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., doktor tekhn. nauk; TARTAKOVSKIY, B.N., kand. tekhn. nauk; GAVRILYUK, I.I., inzh.

Ways of increasing labor productivity in flux limestone quarries of the Ukraine. Met. i gornorud. prom. no.4:46-49 Jl-Ag '63. (MIRA 16:11)

1. Dnepropetrovskiy gornyy institut (for Novozhilov).
2. Otdeleniye gornorudnykh problem Instituta elektrotekhniki AN UkrSSR (for Tartakovskiy, Gavrilyuk).

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., prof., doktor tekhn.nauk; TARTAKOVSKIY, B.N., kand.tekhn. nauk; ESKIN, V.S., inzh.; KOLESNIK, A.N., inzh.

New technological layouts for using the open-pit method to work Ukrainian manganese ore deposits. Gor. zhur. no.9:12-16 S '63. (MIRA 16:10)

1. Dnepropetrovskiy gornyy institut.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., prof.; TARTAKOVSKIY, B.N., kand. tekhn. nauk; GAVRILYUK, I.I., inzh.; LASHKO, V.T., inzh.

Parameters of pile-forming conveyors equipped with a swivel-component dumping device. Izv. vys. ucheb. zav.; gor zhur. 6 no.9:27-34 '63. (MIRA 17:1)

1. Dnepropetrovskiy ordena Trudovogo Krasnogo Znameni gornyy institut imeni Artema. Rekomendovana kafedroy otkrytykh rabot.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., prof., doktor tekhn. nauk; DRUKOVANYY, M.F., kand. tekhn. nauk; YEFREMOV, E.I., gornyy inzh.; TERESHCHENKO, A.A., gornyy inzh.; SHESTAKOV, M.M., gornyy inzh.; PIL'NIK, I.L., gornyy inzh.

Experience in blasting of high benches at the Krivoy Rog Basin Central Mining and Ore Dressing Combine. Gor. zhur. no.11: 29-33 N '63. (MIRA 17:6)

1. Otdeleniye gornorudnykh problem AN UkrSSR (for Novozhilov, Drukovanyy, Yefremov). 2. TSentral'nyy Krivorozhskiy gorno-obogatitel'nyy kombinat (for Tereshchenko, Shestakov, Pil'nik).

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., prof.; TARTAKOVSKIY, B.N., kand.tekhn.nauk; ESKIN, V.S., inzh.; SOLODOVNIK, L.M., inzh.; ROYZEN, Ya.Sh., inzh.

Substantiating the efficient limits for strip mining horizontal deposits with the use of continuous-operation equipment. Izv.vys. ucheb.zav.;gor.zhur. 7 no.7:3-7 '64. (MIRA 17:10)

1. Dnepropetrovskiy ordena Trudovogo Krasnogo Znameni gornyy institut imeni Artema. Rekomendovana kafedroy otkrytykh gornykh rabot.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., prof., doktor tekhn. nauk; DRUKOVANYY, M.F., kand. tekhn. nauk; GEYMAN, L.M., gornyy inzhener; KOMIR, V.M., gornyy inzhener; SEMENYUK, I.A., gornyy inzhener

Studying the efficiency of charges with air spaces. Vzryv. delo no.54/11:113-125 '64. (MIRA 17:9)

1. Filial Instituta mekhaniki AN UkrSSR.

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

SHVERNIK, Aleksandr Mikhaylovich; SOKOLOV, Anatoliy Valentinovich; POLUBELOV, Aleksey Sergeyevich; KISELEV, Georgiy Ivanovich; BERNSHTEYN, Rafail Lazarevich; SLAVUTSKIY, Samuil Oskarovich; NEVEL'SHTEYN, Yuriy Grigor'yevich; KONDRATENKO, Leonid Fedorovich; LASKIN, Anatoliy Aronovich; LUR'YE, Zakhar Solomonovich; MAKAROV, Vladimir Aleksandrovich; NOVOZHILOV, M.G., retsenzent; BILLICHENKO, N.Ya., retsenzent; VARSHAVSKIY, A.M., retsenzent; TARTAKOVSKIY, B.N., retsenzent. Prinimali uchastiye: ANTONOV, V.A., inzh.; VERBLYUNSKIY, Yu.I., inzh.; ZEMSKOV, P.F., otv. red.

[Overall mechanization and automatic control in strip mines] Kompleksnaia mekhanizatsiia i avtomatizatsiia na kar'erakh. Moskva, Nedra, 1964. 582 p. (MIRA 18:4)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., prof., doktor tekhn. nauk; DRUKOVANYY, M.F., kand. tekhn. nauk; REZNIKOV, N.A., inzh.

Ways of fundamentally reorganizing Krivoy Rog Basin strip mines. Gor. zhur. no.9:10-13 S '64. (MIRA 17:12)

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BOOK EXPLOITATION

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Drukovanyy, Mikhail Fedorovich; Yefremov, Ernest Ivanovich; Novozhilov, Mikhail Galaktionovich; Tereshchenko, Aleksandr Alekseyevich

High bench blasting (Vzryvaniye vysokikh ustupov) Moscow, Izd-vo "Nedra", 1964, 105 p. illus., biblio. Errata slip inserted. 1,800 copies printed

TOPIC TAGS: explosive, explosive charge, mining engineering

PURPOSE AND COVERAGE: The book contains general information about high bench blasting experience in mines. Basic technological schemes of open pit working in high bench blasting are recommended. Questions which concern the effectiveness of drilling, methods of charging, schemes of setting and explosion of charges, and the intensity of the rock crushing during high bench blasting are examined. Theoretical premises which serve as a foundation for the use of high benches are brought to light. The book also describes laboratory research which has been carried out on the activity of the blast in its environment. The book is intended for mining engineering and technical personnel.

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NOVOZHILOV, M.G., doktor tekhn. nauk; DRUKOVANYY, M.F., kand. tekhn. nauk; VEREM'YEVA, V.Ye.; SAPUNOVA, I.A.

Efficiency of three-stage crushing at Krivoy Rog mining and ore dressing combines. Met. i gornorud. prom. no.5:47-49 S-O '64. (MIRA 18:7)

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., prof., d ktor tekhn.nauk; TARTAKOVSKIY, B.N., kand.tekhn. nauk; BARSUKOV, M.I., inzh.; KRASNIKOV, A.S., kand.tekhn.nauk; SAMORODOV, Yu.P., kand.tekhn.nauk

Flow sheets for mining working trenches with continuous machine units. Gor.zhur. no.12:13-18 D '64. (MIRA 18:1)

1. Dnepropetrovskiy filial Instituta mekhaniki AN UkrSSR (for Novozhilov, Tartakovskiy, Barsukov). 2. Institut gornogo dela im. A.A.Skochinskogo (for Krasnikov, Samorodov).

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

VOVK, Aleksey Amufriyevich; [illegible] Ivanovich; [illegible]
M.G., prof., doktor tekhn. nauk, retsenzent; [illegible]
red.

[Mining mineral deposits by the combined method] Razrabotka
mestorozhdenii poleznykh iskopaemykh kombinirovannym [illegible]
Kiev, Naukova dumka, [illegible] p. (MIRA [illegible])

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

KUCHERYAVYY, Feodosiy Ivanovich, kand. tekhn. nauk, dots.; NOVOZHILOV, Mikhail Galaktionovich, doktor tekhn. nauk, prof.; DRUKOVANYY, Mikhail Fedorovich, kand. tekhn. nauk

[Improving the boring and blasting operations in quarries] Sovershenstvovanie burovzryvnykh rabot na kar'erakh. Moskva, Nedra, 1965. 255 p. (MIRA 18:7)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., prof., doktor tekhn.nauk; DRUKOVANYY, M.F., kand.tekhn.nauk; VEREM'YEVA, V.Ye., inzh.; SAPUNOVA, I.A., inzh.

Ways of improving he cost of crushing Krivoy Rog Basin ore.
Gor.zhur. no.1:20-23 Ja '65. (MIRA 18:3)

1. Filial instituta mekhaniki AN UkrSSR, Dnepropetrovsk.

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., doktor tekhn. nauk; ZAPARA, S.A., kand. tekhn. nauk; PEZNIKOV, N.A.

Basic trends in creating an efficient method of strip mining in Krivoy Rog Basin mines. Met. i gornorud. prom. no.1:44-48 Ja-F '65. (MIRA 18:3)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., prof., doktor tekhn. nauk; TARTAKOVSKIY, B.N., kand. tekhn. nauk; KIRILYUK, V.D., inzh.; SHAPAR', A.G., inzh.

Ways of creating a new technology for open-pit mining operations with the use of the principle of controlled caving of the benches. Gor. zhur. no.4:18-20 Ap '65. (MIRA 18:5)

1. Filial Instituta mekhaniki AN UkrSSR, Dnepropetrovsk.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., prof.; [illegible], F.N., kand. tekhn. nauk; [illegible], [illegible], inzh.; [illegible], A.Ya., inzh.

Haulage and waste disposal method of [illegible] operation machine units. Izv. vys. [illegible] [illegible] 165. [illegible]

1. Dnepropetrovskiy ordena Trudovogo Krasnogo [illegible] Institut imeni Artema. Rekomendovana kafedroy otkrytykh [illegible].

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., prof.; TARTAKOVSKIY, B.N., kand. tekhn. nauk; GAVRILYUK, I.I., inzh.

Basis for the optimum height of the bench flux limestone quarries with the use of electronic computers. Izv. vys. ucheb. zav.; gor. zhur. 8 no.2:100-105 '65. (MIRA 18:5)

1. Dnepropetrovskiy ordena Trudovogo Krasnogo Znameni gornyy institut imeni Artema.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

LOVOZHILOV, Mikhail Galaktionovich, doktor tekhn. nauk, prof.; TARTAKOVSKIY, Boris Nusimovich; BARSUKOV, Mikhail Ivanovich; VASIL'YEV, B.K., red.

[Designing a technology for open-pit mine construction by using continuous techniques] Proektirovanie tekhnologii stroitel'stva kar'erov pri primenenii tekhniki nepreryvnogo deistviia. Moskva, Nauka, 1964. 110 p. (MIRA 18:9)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, Mikhail Galaktionovich, doktor tekhn. nauk; TARTAKOVSKIY, Boris Nusimovich; ESKIN, Vladimir Samuilovich

[Continuous techniques in open-cut mining of deposits; theoretical bases] Potochnaia tekhnologiia otkrytoi razrabotki mestorozhdenii; teoreticheskie osnovy. Kiev, Naukova dumka, 1965. 249 p. (MIRA 18:9)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

[illegible]YANYY, M.F.; [illegible], [illegible]; [illegible]; [illegible];
[illegible], [illegible]

Improving the degree of ore crushing by blasting. Gor. zhur. no.7:42-46 Jl '65. (MIRA [illegible])

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., doktor tekhn. nauk; DRUKOVANYY, M.F., kand. tekhn. nauk; IVANOV, V.A., inzh.; IL'IN, V.I., inzh.; OKSANICH, I.F., inzh.

Effect of blasting in a compressed medium on the technology of ore mining and ore dressing. Vzryv. delo no.57/14:128-145 '65. (MIRA 18:11)

1. Filial Instituta mekhaniki AN UkrSSR (for Novozhilov, Drukovanyy, Ivanov, Il'in). 2. Yuzhnyy gornoobogatitel'nyy kombinat (for Oksanich).

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001237610004-7

NOVOZHILOV, M.G., doktor tekhn. nauk; DRUKOVANYY, M.F., kand. tekhn. nauk; TARTAKOVSKIY, B.N., kand. tekhn. nauk; YEFREMOV, E.I., kand. tekhn. nauk; IL'IN, V.I., inzh.; GAVRILYUK, I.I., inzh.

Use of high benches in flux quarries. Vzryv. delo no.57/14: 167-173 '65. (MIRA 18:11)

Filial Institute mekhaniki AN UkrSSR.

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