ARKHIPOV, M.

AUTHORS: Arkhipov, M., Candidate of Technical Sciences, and Dorofeyev, A. 85-58-3-24/26

TITLE: Conduct of Population During an Atomic Attack (Povedeniye naseleniya pri atomnom napadenii)

PERIODICAL: Kryl'ya rodiny, 1958, Nr 3, p 31 (USSR)

ABSTRACT: The authors state that losses in human lives and material resulting from an enemy atomic attack can be greatly reduced by adequate warnings and preventive measures, involving constant air observation and speed in issuing warning signals. Should the objective of the attack be within 100 km from the border, the enemy plane would cover the distance in 6 minutes, during which time much could be done by local anti-aircraft defense. Under an immediate threat of attack, the "Air Alarm" signal is sounded, consisting of prolonged blowing of whistles by factories, plants and steamboats, while sirens are blasted by radio for 2 to 3 minutes. The Air Alarm signal serves simultaneously as the signal of an enemy atomic attack. As soon as areas contaminated by chemical substances and radioactive

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Conduct of Population During an Atomic Attack 85-58-3-24/26

fall-out are discovered, the"Chemical Attack" signal is given over the radio by striking metal objects, such as pieces of rails, etc. Preventive indoor defense measures require the removal of inflammable articles from halls and attics and the maintenance of supplies of water for fire fighting and for drinking. Before leaving a building during an alarm, windows and shutters must be closed, fires in hearths and stoves extinguished, heating and gas appliances disconnected. Wooden fences and piles of trash in streets must be removed. Individuals should keep anti-chemical defense remedies against radio-active fall-out; these include antigas equipment and protective clothing. Bed and table linen, bandages and handkerchiefs may serve as protection from radioactive dust. In wartime, areas exposed to possible attack are placed under martial law. Local civil and military organizations issue special orders and instructions which all citizens must carefully study and strictly observe. At an Air Alarm signal,the population, whether at work or in other places, must immediately seek shelter. Those at home should dress quickly, gather their protective equipment, clothing

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and food, disconnect utilities, extinguish stoves, close windows and shutters, and leave for the nearest shelter, following the directions posted in the streets. The first indication of an atomic explosion is a blinding flash visible at a distance of many kilometers. In this case, everything depends upon the distance from the epicenter of the explosion and on the speed and efficiency of action. As soon as an explosion occurs, one must immediately seek some protective shelter or lie face down, covering the exposed parts of the body and turning the head away from the explosion. The area may be contaminated by radioactive substances (Boyevyye radioaktivnyye veshchestva - BRV), either fall-out from an atomic explosion, or scattered by planes, artillery, mines, etc. The effect of radioactive substances upon the internal organs is much greater than upon the external parts. The penetration of alpha and beta particles into the human organism is particularly dangerous. Precautionary measures in contaminated areas include - prohibition of smoking, drinking, or eating without authorization, care to avoid raising of dust or lying on the ground. A weapon is dangerous only so long as protective measures remain unknown. Defensive measures and methods against atomic weapons are now well known and need only be studied and applied.

AVAILABLE: Library of Congress

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ARKhipov, M.

51(0); 3(0); 2(10) PHASE I BOOK EXPLOITATION SOV/2210

Atomnaya energiya v aviatsii i raketnoy tekhnike; sbornik statey (Atomic Energy in Aviation and Rocket Engineering; Collection of Articles) Moscow, Voyen. Izd-vo M-va obor. SSSR, 1959. 500 p. (Series: Nauchno-populyarnaya biblioteka) No. of copies printed not given.

Ed. - Compiler: P.T. Astashenkov, Engineer, Lt.-Col; Ed.: Ya.M. Kader; Tech. Ed.: A.M. Gavrilova.

PURPOSE: This book is intended for officers of the Soviet Armed Forces, members of DOSAAF, and the general reader interested in the uses of atomic energy and in the development of aviation and rocket engineering.

COVERAGE: This collection of 16 articles, compiled by 26 Soviet scientists and based chiefly on non-Soviet materials, discusses various aspects of the use of atomic energy in rocketry and aviation. The book surveys the development of atomic and thermonuclear weapons and weapon carriers, lays down the principles of anti-atomic defense, and evaluates the application of nuclear engergy in aviation and rocketry. Fuel and construction materials, as well as actual physical and technological processes involved, are treated briefly. Fundamentals of atomic warfare and combat tactics are discussed at some length. The book is divided into four parts, of which the last consists chiefly of anti-Western propaganda. Section I is devoted to nuclear weapons and their use in aviation. Section II is on anti-atomic defense, especially the defense and decontamination of airfields and aircraft, and defense against radiation. Section III is on the use of nuclear energy in modern aircraft and rocket technology and flight techniques, including some speculations on space travel and on the energy of the future. There are 126 figures and 35 non-Soviet references (some in Russian translation).

TABLE OF CONTENTS:

ARKHIPOV, M.S.; KOVALENKO, A.G.; SHIBAYEV, Ye.N., mekhanik snegouborochnoy mashiny

Progressive organization of snow removal. Put' i put.khoz. 10 no.1:11-13 '66. (MIRA 19:1)

1. Zamestitel' nachal'nika distantsii puti, stantsiya Kamensk-Ural'skiy Sverdlovskoy dorogi (for Arkhipov). 2. Nachal'nik stantsii Kamensk-Ural'skiy, Sverdlovskoy dorogi (for Kovalenko).

ARKHIPOV, M.S. (st. Bazhenovo)

Ballast cross section using asbestos waste products. Zhel.dor. transp. 37 no.7:84 Jl '56. (MLRA 9:8)

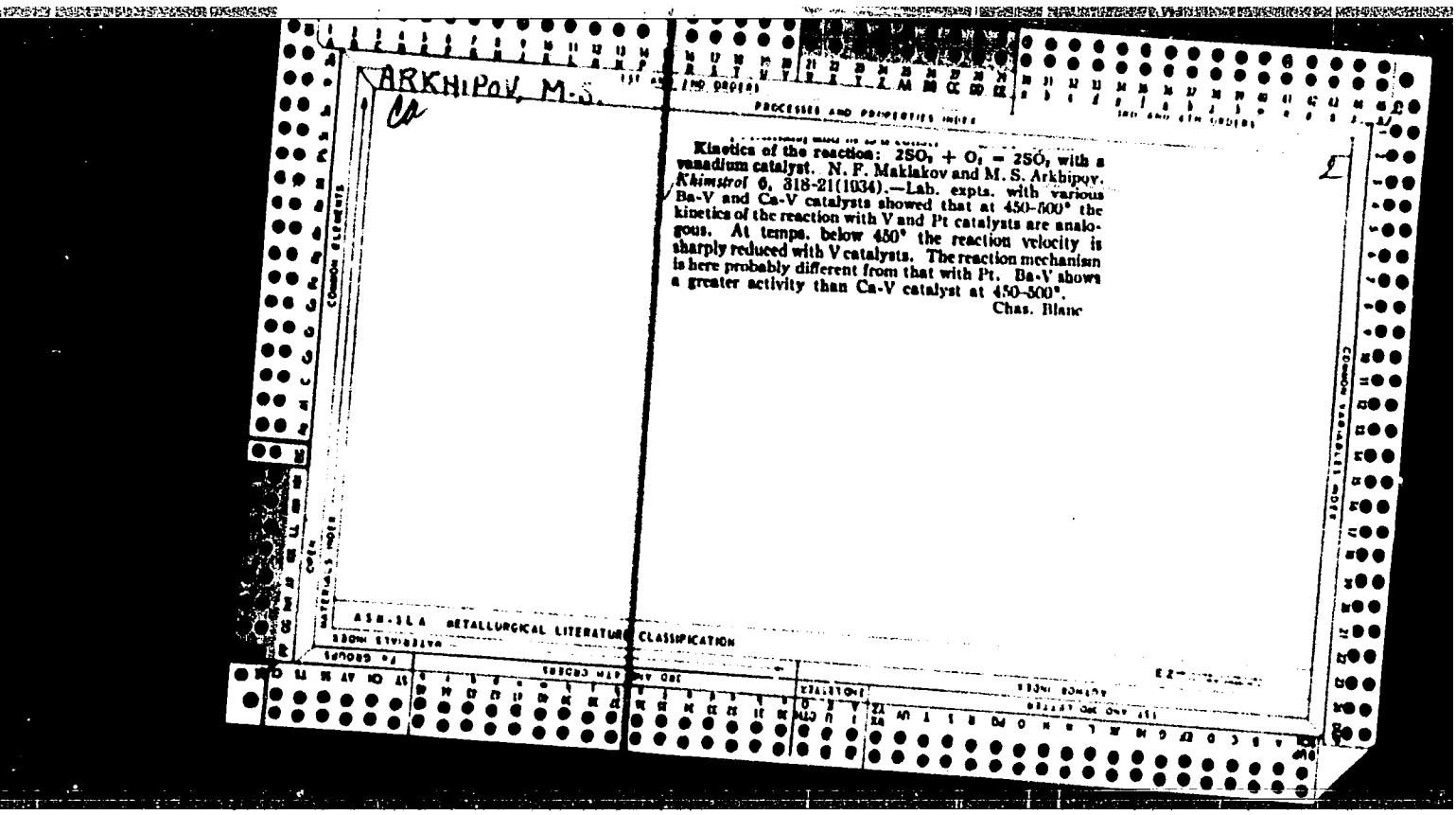
1. Starshiy inzhener distantsii puti Sverdlovskoy dorogi. (Ballast)

ARKHIPOV, M. S.; STAROSTIN, V. A.

Consideration should be given to these problems. Put' i put. khoz. 7 no.3:39 '63. (MIRA 16:4)

1. Zamestitel' nachal'nika Bazhenovskoy distantsii Sverdlovskoy dorogi (for Arkhipov). 2. Starshiy inzh. Bazhenovskoy distantsii Sverdlovskoy dorogi (for Starostin).

(Railroads—Management)



ARKHIPOV, M.V.

On the MIIZ PP-2k planimeter. Geod. i kart. no.5:76-78 My '57. (MLRA 10:8)

1. Moskovskiy institut inzhenerov zemleustroystva.
(Planimeter)

ARKHIPOV, N.A

AUTHOR: Yashunskiy, R.G. and Arkhipov, N.A.

TITLE: A New Automaton for Controllable Reversal Current in Galvanic Baths (Novyy avtomat dlya reguliruyemogo reversirovaniya toka v gal'vanicheskikh vannakh)

113-58-6-13/16

PERIODICAL: Avtomobil'naya promyshlennost', 1958, Nr 6, pp 37-39 (USSR)

ABSTRACT: The NIITAvtoprom elaborated a new process of high-luster copper plating in cyanic electrolytes. Research showed that the best results are obtained by the controllable reversal current. The best way to do it is to switch the current of the excitation winding of a generator with the help of electronic tubes - thiratrons. By the scheme of reversal current elaborated by A.S. Tsege, two independent windings were placed on the poles of generators, one of which served to pass the 110-volt current in one direction and the second - in opposite direction. Calculations showed that it was impossible to fix two 110-volt windings on the generator of the AND-1500/750 and AND-5000/2500 aggregates. In this connection, new schemes of reversal current with one excitation winding were fed by a 110-115 volt current for AND-5000/2500 and AND-1000/500 aggregates. (Table 1) The rectification of the current which feeds the excitation winding of the generators is made by two pairs of thiratrons. For

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AND-5000/2500 and AND-1000/50C type aggregates, the TR1-15/15 and the TR1-5/2 type thiratrons are used respectively. Each pair is connected with the independent winding of the transformer. The cathodes of each pair are connected with the opposite ends of the excitation windings of the generators through the regulating rheostats and accordingly the middle points of the anode windings of the transformer are also connected with the opposite ends. Thus, by the dual ignition of the pair on the left, the current passes through the windings in one direction, and by switching on the pair on the right, it passes through in the opposite direction. At the same time the direction of the magnetic flux of the generator and the current direction in its armature and in the bath are also changed. The rheostats of excitation (1PB and 2PB) permit the regulation of the current in the excitation winding and, consequently, the density of the current in the direct and reversed directions. The alternate connection of the left and right pair of thiratrons is regulated by an electronic time-relay, mounted on a 6H8C tube, by alternate feeding on its circuit of the positive or negative potential in relation to the

cathodes. The feeding of the time relay and the circuits of the thiratrons is made from the circuit of alternate current, with 380 or 220 volts through the transformer 1T, which has as a part of its initial winding the winding of anode voltage, the winding of feeding the tube of the time relay and two windings for feeding the circuits of the thiratrons. The technical characteristics of the transformer are given. The aggregates are built by the Yaroslavskiy elektromekhanicheskiy zavod (The Yaroslavl' Electromechanical Plant). The description and working principle of automaton are given.
There is 1 diagram, 2 tables, 2 photos, 1 figure and 1 Soviet reference.

ASSOCIATION: NIITAvtoprom

Card 3/3 1. Galvanizing--Solutions 2. Electrical current--Control systems --Operation

ARKHIPOV, N., inzhener.

Mechanization of the garment industry. Prom. koop. no.1:12-14 Ja '56. (Clothing industry) (MLRA 9:6)

ARKHIPOV, N.

Tasks of veterinary service on state farms in the sixth five-year plan. Veterinariia 33 no.7:8-14 Jl '56. (MLRA 9:9)

1.Nachal'nik veterinarnogo upravleniya Ministerstva sovkhozov RSFSR. (Veterinary medicine) (State farms)

ARKHIPOV, N., prof.

Science opens new horizons. Av. i kosm. 47 no.11:18-20 N '64.
(MIRA 17:11)

ARKHIPOV, N., prof.

Science opens new horizons. Av. i kosm. 47 (ekstr. vyp.): 27-29 O '64. (MIRA 18:3)

ARKHIPOV, M.; KHOTYAKOV, M.

For economy and careful use of materials. Sov.profsoiuzy 5 no.7:28-32 Jl '57. (MLRA 10:8)

1.Predsedatel'komiteta profsoyuza Moskovskogo zavoda avtotraktornogo elektrooborudovaniya (for Arkhipov). 2.Nachal'nik planovogo otdela Moskovskogo zavoda avtotraktornogo elektrooborudovaniya (for Khotyakov)
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DUBROVSKIY, Yevgeniy Maksimovich; ARKHIPOV, Nikolay Aleksandrovich; ALADOVA, Ye.I., tekhn.red.

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(Coal mines and mining)

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(Coal mines and mining)

SUDOPLATOV, A.P., doktor tekhn. nauk, prof., red.; YEROFEYEV, V.F., otv. red.; VESKOV, M.I., otv. red.; ARKHIPOV, N.A., red.; ZHUKOVA, A.P., red.; RYKOVA, Z.L., red.; CHIZHOVA, V.V., red.; KUPTSOVA, Ye.M., red.; LEVINA, T.I., red.

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SAVCHENKO, Arkadiy Yeliseyevich; ARKHIPOV, N.A., otv. red.; YEROKHIN, G.M., red.izd-va; LOMILINA, L.N., tekhn. red.

[Miner] Gornorabochii. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu, 1961. 239 p. (MIRA 15:1)
(Coal mines and mining)

ARKHIPOV, N.A.; LARIONOV, N.I.

Automatic machine for the manufacture of AKF-2 shell molds.
Avt.prom. 27 no.6:46 Je '61. (MIRA 14:6)

1. Nauchno-issledovatel'skiy tekhnologicheskiy institut avtomobil'noy promyshlennosti.
(Automobile industry--Equipment and supplies)

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(Kuznetsk Basin--Hydraulic mining)

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(Stoping (Mining))

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DLC: HC487.C4A7 1930

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CSt-H (Izd.2) NN(Izd.1) DLC: HC487.C4A7

SO: LC, Soviet Geography, Part II, 1951/Unclassified.

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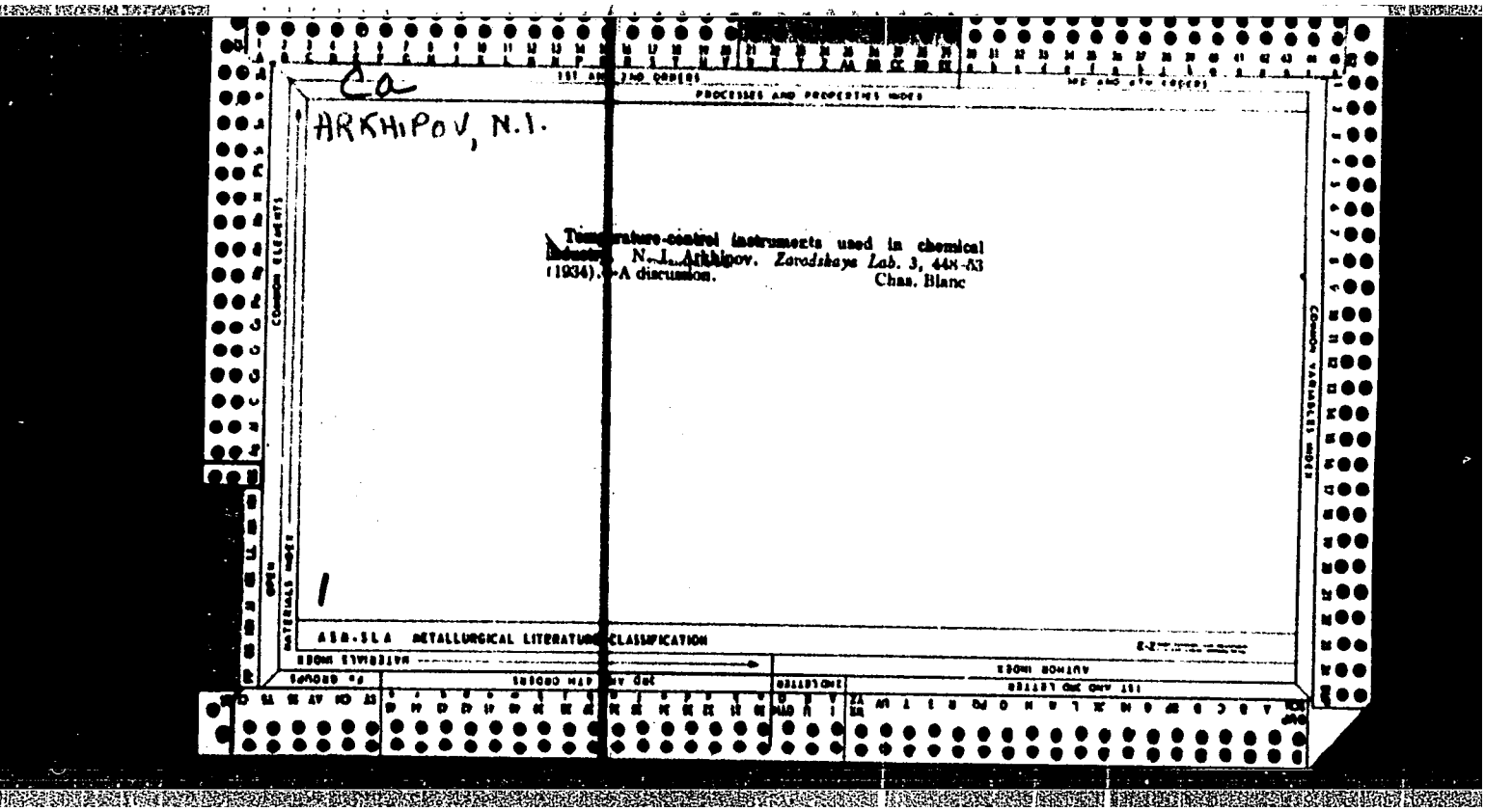
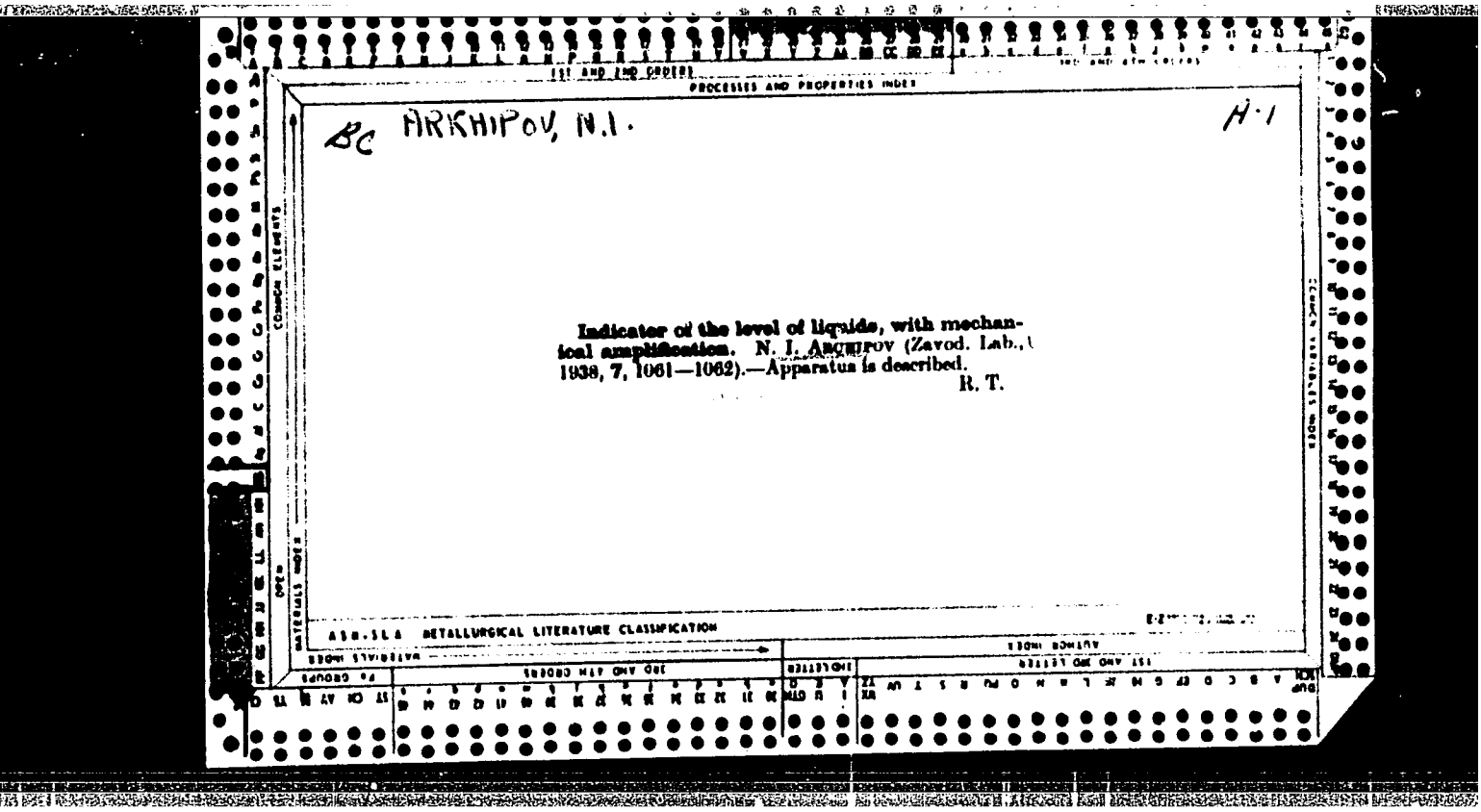
(Donets Basin—Mine roof bolting)





BC ARKHIPOV, N.I.

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Indicator of the level of liquids, with mechanical amplification. N. I. ARKHIPOV (Zavod. Lab., 1938, 7, 1061—1062).—Apparatus is described.

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ARKHIPOV, N.I., kand. veterin. nauk

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(MIRA 17:8)

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ARKHIPOV, N. K.

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ARKHIPOV, N. K.

PA 23719

USSR/ Electricity - Power Systems Jun 52
Voltage Regulation

"Voltage Drop and Voltage Regulation in City Electric Power Networks," Engr N. K. Arkhipov, Oldrokommunenergo

"Elektrichestvo" No 6, pp 8-14

Defines relation between voltage fluctuations and drops in system of 1 and 2 voltages. Proves that for calcg voltage regulation in city networks, eqs with some average coeff characterizing load conditions are unacceptable. Proposes fixing norms for voltage drops, treating high and low voltage networks additively and taking into account voltage conditions of supply center and transformer voltage losses. Article is intended to stimulate discussion in connection with revision of instructions for planning city electric power networks. Submitted 8 Jan 52.

23719

ARKHIPOV, N.K.

Calculation of low-voltage systems based on voltage variations. Elektrichestvo '53, No.4, 17-22. (MLRA 6:4)
(EEA 56 no.6?2:4805 '53)

ARKHIPOV, Nikolay Kuz'mich; KUZNETSOV, P.V., redaktor; MINASYAN, Ye.A., redaktor; PETROVSKAYA, Ye., tekhnicheskiy redaktor.

[Computing short circuit currents] Raschet tokov korotkogo zamykaniia. Moskva, Izd-vo Ministerstva kommunal'nogo khoziaistva RSFSR, 1954. 131 p. (MIRA 8:5)
(Short circuits) (Electric currents)

ARKHIPOV, N.K., inzhener.

Selecting a calculated value of voltage losses in lighting networks of industrial enterprises. Elektrichestvo no.5:70-71 My '54. (MLRA 7:6)

1. Giprokommunenergo. (Electric lighting)

ARKHIPOV, N.K.

AID P - 1192

Subject : USSR/Electricity

Card 1/1 Pub. 29 - 14/27

Author : Arkhipov, N. K., Eng.

Title : Selection of branchings of distribution transformers

Periodical : Energetik, 12, 18-21, D 1954

Abstract : The author presents an analysis of the controlling properties and possibilities of branchings and a practical method of their selection. He gives two numerical examples. Five diagrams.

Institution : None

Submitted : No date

GOL'DENBLAT, B.I., inzhener (Odessa); ARKHIPOV, N.M., inzhener.

Selecting the calculated value of voltage loss in industrial lighting systems. Elektrichestvo no.2:74-75 F '56. (MLRA 9:5)

1. Giprokommunenergo (for Arkhipov)
(Electric networks)

8(3,6) PHASE I BOOK EXPLOITATION SOV/2234

Arkhipov, Nikolay Kuz'mich

Raschet gorodskikh elektricheskikh setey s uchetom reguliruyushchikh ustroystv (Calculation of Municipal Electrical Networks With Consideration for Regulating Equipment) Moscow, Izd-vo M-va kommunal'nogo khozyaystva RSFSR, 1957. 194 p. Errata slip inserted. 9,000 copies printed.

Ed.: L.M. Finger; Ed. of Publishing House: Ye. B. Vinokurova; Tech. Ed.: Ye. S. Petrovskaya.

PURPOSE: This book is intended as a manual for designers of municipal electrical networks and for engineers concerned with their operation.

COVERAGE: The book explains the calculation of municipal electrical networks, taking into consideration the use of regulating devices such as power transformers with tap switching under load, booster transformers to raise (or lower) the voltage, and static capacitors connected in series with the line and in parallel

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with it. The author mentions the following Soviet scientists and engineers as having contributed to the development of a sound theory of calculating electrical networks: A.A. Glazunov, A.A. Gorev, A.M. Zalesskiy, M.D. Kamenskiy, A. Ya. Ryabkov, V.N. Stepanov, V.M. Khrushchev. Practical methods of calculation were developed by Yu. N. Baskakov, S.D. Solov'yev, and V.A. Shevchenko. The Vsesoyuznyy nauchno-issledovatel'skiy institut elektrifikatsii sel'skogo khozyaystva (All-Union Scientific Research Institute for Electrification of Agriculture) contributed to the application of regulating devices in electrical networks. In this connection, the author mentions I.A. Budzko, A.G. Zakharin and V.G. Kholmskiy. The methods used in the book for calculating series line-drop compensators are based on the works of the Nauchno-issledovatel'skiy institut postoyannogo toka (Scientific Research Institute of Direct Current), in particular those of V.V. Andreyev. The publication "Rukovodyashchiye ukazaniya po povysheniyu koeffitsiyenta moshchnosti v ustanovkakh potrebiteley elektricheskoy energii (Guide Rules for Improving the Power Factor in Installations of Electrical Consumers), ministry

of Electric Power Stations, USSR, was taken into consideration in discussing the calculation of compensators for parallel capacitive compensation. There are 48 references: 42 Soviet, 4 English, 1 German, and 1 Polish

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ARKHIPOV, N.K.

Voltage control in electric networks. Prom. energ. 12 no.12:1-5 D '57. (MIRA 10:12)

1. Giprokommunenergo.

(Electric networks)

8(2)

AUTHOR: Arkhipov, N. K., Engineer

SOV/105-58-12-7/28

TITLE: On Voltage Regulation in Low Voltage Networks (O regulirovanii napryazheniya v setyakh nizkogo napryazheniya)

PERIODICAL: Elektrichestvo, 1958, Nr 12, pp 30 - 34 (USSR)

ABSTRACT: The electrical industry of the USSR develops constructions of distribution transformers with a capacity ranging from 20 to 560 kVA and an automatic voltage regulation under load. The mode of operation of the voltage to be regulated, applied on the rails of the secondary voltage of the stepdown substations, is recorded in the directions (Ref 1). The question whether the application of distribution transformers is suitable for voltage regulation in low voltage networks is dealt with on the basis of an investigation of the qualities of a transformer with a 5% regulation step. The testing example of which was already manufactured by the industry. The advantage of the construction of a one-stage regulation given here consists in the fact that a transformer, manufactured in series, is used without any modification of the windings and of the container, and that a magnetic amplifier operates in the regulating device.

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Such a transformer is, moreover, not expensive. There are, however, drawbacks exert of these advantages: The voltage is inadequate during the maximum load, it is too high during the minimum load; the dead band is equal to the regulating stage. Here, an investigation is carried out of such a distribution transformer at different points of the network under four different operating conditions of the voltage in the feeder center. The following is determined: a distribution transformer with an one-stage automatic 5% voltage regulation shows great drawbacks the field of application is limited, the usefulness of its fabrication is questionable. Distribution-transformers with a two-stage automatic 5% voltage regulation possess a larger field of operation but are not applicable in all cases. Distribution transformers with multistage regulation (a great number of small stages) could be used in a large field. With their help the required mode of operating voltage could be produced in any low voltage network. They are, however, very expensive and therefore only in single cases economical. The voltage on the rails of the feeder center is therefore to be regulated according to the directions (Ref 1), with the help of regulating devices having been installed in power

transformers and of booster transformers or of autotransformers, which are connected with the circuit of transformers that are not to be regulated. When necessary synchro potentiometers or controlled batteries of static condensers can be used. Booster transformers and condensers are, moreover, to be used on lines which are long or produce a loading diagram strongly different from the total diagram. For this reason it will, first of all, be necessary to manufacture by industry transformers of 35 and 110 kV of all measurements with a voltage being regulable under load, as well as booster transformers for 6 to 35 kV and low voltage. There are 6 figures and 2 references, 1 of which is Soviet.

SUBMITTED: August 22, 1958

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E194/E155

9.2130 (1001, 1150, 1161)

AUTHOR: Arkhipov, N.K.

TITLE: The parameters of power transformers for voltage control

PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika, no.10, 1961, 10, abstract 10I 70. (Prom. energetika, no.3, 1961, 42-46)

TEXT: To maintain the supply terminal voltage within set limits, voltage-control devices are required which may consist of power transformers with built-in voltage regulators; booster transformers and auto-transformers. Soviet transformers of 35 kV and above have tap-changers with steps of 2.5%, whilst the corresponding foreign figure is 0.625%, giving smoother control. With large steps the range of insensitivity is greater and the permissible voltage drop is smaller; this results in greater consumption of non-ferrous metals in the power system. The number of steps is increased not by increasing the number of tappings, but by altering the switching system with the same number of

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tappings. This is achieved by direct and cross-connection of a regulator winding. Calculations lead to the following conclusions. If the voltage drop $\Delta U_B''$ in the primary circuit under overload conditions does not exceed a certain value, then it is advisable to use distribution transformers with tappings of ± 2.5% and not ± 5%, according to the following table.

$\Delta U_B''$, %	Recommended tappings
7.5	± 2.5%
10	± 2.5% and - 2 x 2.5%
12.5	± 2.5% and - 3 x 2.5%
15	± 2.5% and - 4 x 2.5%

A scale of ratings is given for voltage booster sets, recommended for series line regulators of 6 - 8 kV. If the voltage variation at the regulator input is not more than 5% above or below the rated value during periods of maximum or minimum load, then for

The parameters of power transformers...

counter-control within the limits of ± 5% it is necessary to have on the regulator output +5% in periods of maximum load and -5% in periods of minimum load. Control limits of ± 10% suffice for this purpose. When it is necessary for standard regulators to control with limits of +5 and -10%, the section of the regulator series winding should be increased, or the series winding should be made in two parts to permit series or parallel connection. In the Soviet Union automatic on-load voltage control has been applied only to transformers up to 35 kV and the system developed by the Moscow Transformer Works provides for maintaining the control voltage at one constant level. Counter-control is more effective, and can be simply achieved with a voltage-drop compensator or by the contactless controller with a magnetic amplifier which is widely used outside the Soviet Union. Distribution transformers with built-in multi-step voltage controllers are relatively expensive. Economically, it is advisable to use distribution transformers with two steps of +5% connected manually off-load and four steps of 2.5% connected automatically on-load. Constant tappings of +10, +5 or 0% are

Card 3/4

BUDZKO, I.A.; ASTAF'YEV, N.N.; ARKHIPOV, N.K.

Calculation of electric networks with consideration of the permissible voltage loss. Elektrichestvo no.7:90-92 Jl '61. (MIRA 14:9)

(Electric power distribution)

ARKHIPOV, N.K., inzh.

Concerning the role of the neutral line in electric power distribution networks. Mekh. i elek. sots. sel'khoz. 20 no.3:37-38 '62. (MIRA 15:7)

(Rural electrification)
(Electric power distribution)

ARKHIPOV, N.K., inzh.

Design of power distribution networks taking into account voltage regulation. Elek. sta. 34 no.9:35-38 S '63. (MIRA 16:10)

ARKHIPOV, N.K., inzh.

Problems concerning voltage fluctuations. Prom. energ. 18 no.9: 37-39 S '63. (MIRA 16:10)

ARKH-GV, N.K., inzh.

Calculation of the electric lighting networks of industrial enterprises taking into account voltage losses. Prom.energ. 19 no. 2:34-38 F '64. (MIRA 17:5)

ARKHIPOV, N.K.; YEZHKOV, V.V., red.

[Voltage modes in electric power distribution networks; a lecture] Rezhimy napriazhenii v elektricheskikh raspredelitel'nykh setiakh; lektsiia. Moskva, Vseso. zaochnyi energ. in-t, 1964. 131 p. (MIRA 18:3)

FEDIN, V.T., inzh.; GLAZUNOV, A.A., kand.tekhn.nauk; MEL'NIKOV, N.A., doktor tekhn.nauk; SOLDATKINA, L.A., kand.tekhn.nauk; KARPOV, F.F., kand.tekhn.nauk; ARKHIPOV, N.K., inzh. [deceased]

Efficiency of load controlling device of 35 and 110 kv. transformers. Elek. sta. 36 no.2:85-88 F '65. (MIRA 18:4)

ARKHIPOV, N.K., inzh.

Power transformers with built-in voltage regulation for electric power distribution networks. Nov.tekh.zhil.-kom.khoz.: Elek. i tepl.gor. no.5:44-52 '61. (MIRA 18:9)

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Voltage drop compensation in electric power distribution networks. Elektrichestvo no.12:24-28 D '65.

(MIRA 18:12)

ARKHIPOV, N.M.; PAVLOVSKIY, V.V., kand.vet.nauk

Dry swine plague virus vaccine passed through rabbits. Veterinariia 35 no.5:84-89 My '58. (MIRA 12:1)

1. Veterinarnoye upravleniye Ministerstva sel'skogo khozyaystva RSFSR (for Arkhipov). 2. Gosudarstvennyy nauchno-kontrol'nyy institut veterinarnykh preparatov Ministerstva sel'skogokhozyaystva SSSR (for Pavlovskkiy).

(Swine plague)

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Sewing machines

Study of the wear of sewing machine parts. Leg. prom. 12 no.5, 1952.

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

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"Repair of light industry equipment." Reviewed by L.B. Levenson, Vest. mash. 33 no.3:89-91 Mr '53. (MLRA 6:5)

1. Glavnoye Upravleniye Shveynoy Industrii Ministerstva Legkoy promyshlennosti SSSR. (Kol'tsov, S.K.) (Kapustin, I.I.) (Machinery--Maintenance and repair)

RUSAKOV, Sergey Ivanovich; SHRONVNIN, Ivan Vasil'yevich; EPPEL', Sergey Sergeyevich; PLEMYANNIKOV, M.N., redaktor; ARKHIPOV, N.N., inzhener, retsenzent; EL'KINA, E.M., tekhnicheskiy redaktor

[Industrial sewing equipment] Oborudovanie shveinykh fabrik. Moskva, Gos. nauchno-tekhn. izd-vo Ministerstva promyshlennykh tovarov shirokogo potrebleniia SSSR, 1955. 463 p. (MLRA 9:1)
(Sewing machines)

VAL'SHCHIKOV, Nikolay Markovich; SHARAPIN, Aleksandr Ivanovich; ARKHIPOV, N.N., dotsent, nauchnyy redaktor; PLEMYANNIKOV, M.N., redaktor; DMITRIYEVA, N.I., tekhnicheskiy redaktor

[Tree-head automatic embroidery machine] Vyshival'nyi trekhgolovochnyi avtomat. Moskva, Gos. nauchno-tekhn. izd-vo Ministerstva legkoi promyshl. SSSR, 1956. 69 p. (MLRA 9:11)
(Embroidery (Machine))

ARKHIPOV, Nikolay Nikolayevich; KARPACHEV, Pavel Spiridonovich; MAYZEL', Maks Mikhaylovich, doktor tekhn. nauk, prof.; PLEVAKO, Nikolay Alekseyevich; ZAYONCHKOVSKIY, A.D., doktor tekhn. nauk, prof., retsenzent; ZOLOTOV, V.I., inzh., retsenzent; ZYBIN, V.P., doktor tekhn. nauk, retsenzent; KAPUSTIN, I.I., doktor tekhn. nauk, prof., retsenzent; KOZLOV, B.A., inzh., retsenzent; POPOV, S.M., doktor tekhn. nauk, prof., retsenzent; EPPEL', S.S., kand. tekhn.nauk, dots., retsenzent; MINAYEVA, T.M., red.; SHVETSOV, S.V., tekhn. red.

[Basic processes, machinery, and apparatus of light industry] Osnovnye protsessy, mashiny i aparaty legkoi promyshlennosti. [By] N.N.Arkhipov i dr. Moskva, Izd-vo nauchno-tekhn. lit-ry RSFSR, 1961. 491 p. (MIRA 15:2)
(Industry)

ARKHIPOV, N.N.; KARPACHEV, P.S.; MAYZEL', M.M., doktor tekhn. nauk, prof.; PLEVAKO, N.A.; UDODOVSKIY, A.N., kand. tekhn. nauk, retsenzent; RYZHOVA, L.P., red. izd-va; EL'KIND, V.D., tekhn. red.

[Fundamentals of the design and construction of standard machines and devices for light industry] Osnovy konstruirovaniia i rascheta tipovykh mashin i apparatov legkoi promyshlennosti. [By] N.N.Arkhipov i dr. Pod red. M.M. Maizelia. Moskva, Mashgiz, 1963. 599 p. (MIRA 16:7)
(Machinery--Design and construction)
(Instruments)

TSVETKOV, V.N., kand. tekhn. nauk, dotsent; ARKHIPOV, N.N., dotsent;
SKALON, I.P., starshiy prepodavatel'

Machine for coating sole edges with glue. Nauch. trudy MTILP no.28:230-231 '63.

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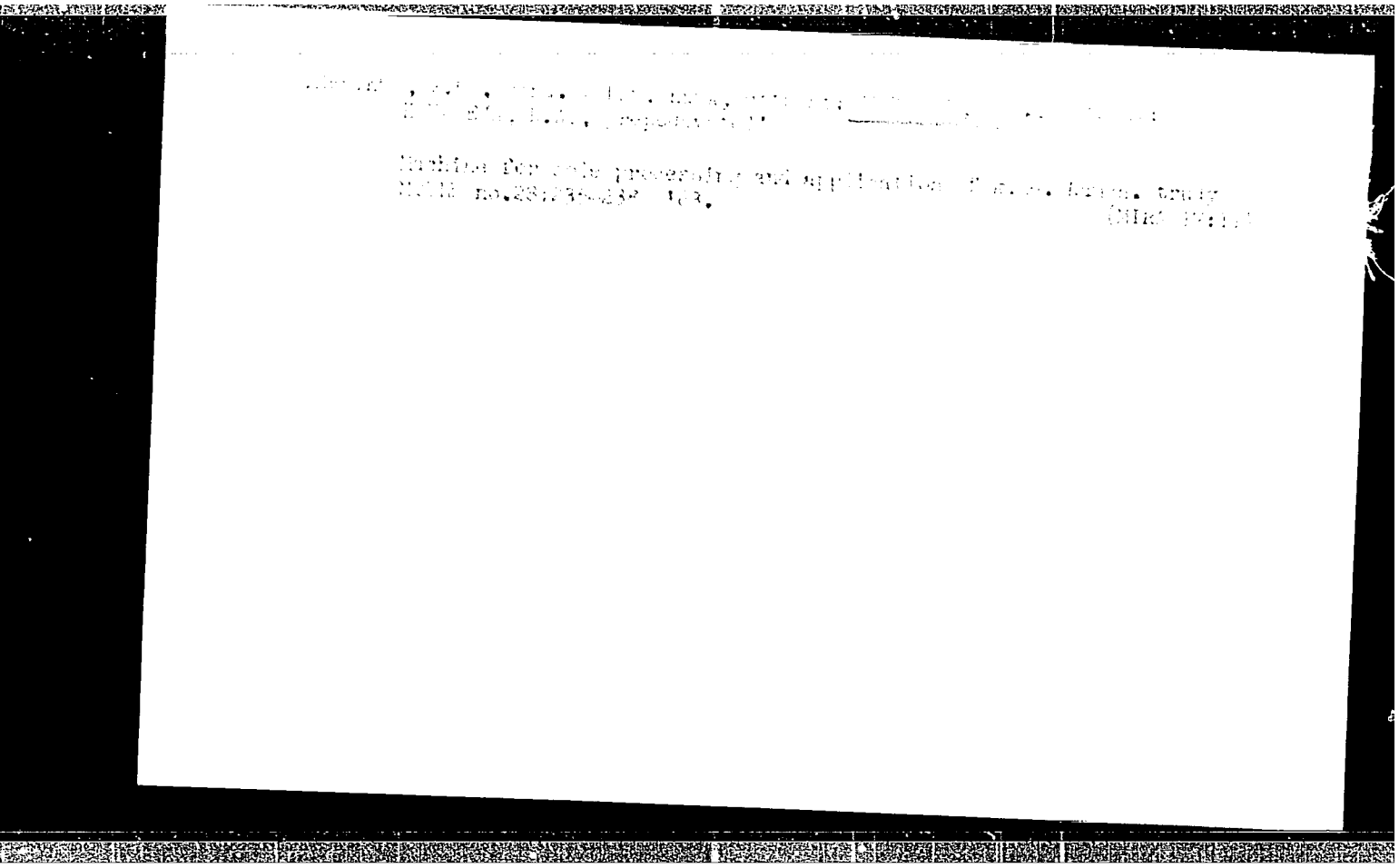
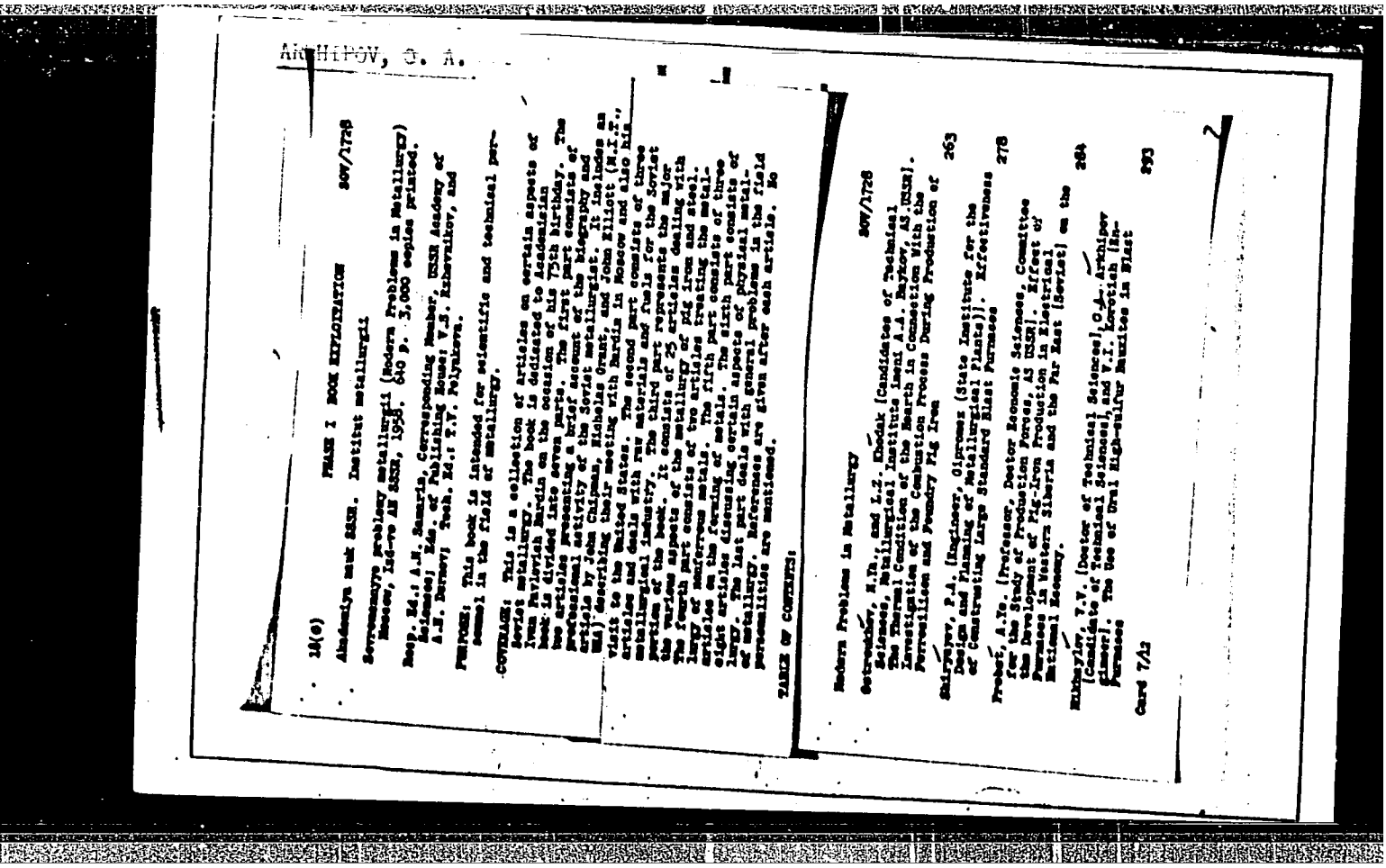
(MIRA 17:11)



YUR'YEVA, T.M., assistent; ARKHIPOV, N.N., dotsent

Automatic stop mechanisms of semiautomatic sewing machines. Nauch. trudy MTILP no.29:198-208 '64. (MIRA 18:4)

1. Kafedra teorii mekhanizmov mashin i apparatov Moskovskogo tekhnologicheskogo instituta legkoy promyshlennosti.



ARKHIPOV, G. A.

18(6) PHASE I BOOK EXPLOITATION SOV/1728

Akademiya nauk SSSR. Institut metallurgii

Sovremennyye problemy metallurgii (Modern Problems in Metallurgy) Moscow, Izd-vo AN SSSR, 1958. 240 p. 3,000 copies printed.

Resp. Ed.: A.A. Samarin, Corresponding Member, USSR Academy of Sciences; Ed. of Publishing House: V.S. Kabanikov, and A.E. Berezoy; Tech. Ed.: P.V. Polyakova.

PURPOSE: This book is intended for scientific and technical personnel in the field of metallurgy.

COVERAGE: This is a collection of articles on certain aspects of Soviet metallurgy. The book is dedicated to Academician Ivan Petrovich Bardin on the occasion of his 75th birthday. The articles are divided into seven parts. The first part consists of three articles presenting a brief account of the biography and professional activity of the Soviet metallurgist. It includes an article by John Chipman, Nicholas Grant, and John Elliott (M.I.T., US) describing their meeting with Bardin in Moscow and also his visit to the United States. The second part consists of three articles and deals with raw materials for the Soviet metallurgical industry. The third part represents the major portion of the book. It consists of 25 articles dealing with the various aspects of the metallurgy of pig iron and steel. The fourth part consists of two articles treating the metallurgy of nonferrous metals. The fifth part consists of three articles on the forming of metals. The sixth part consists of eight articles discussing certain aspects of physical metallurgy. The last part deals with general problems in the field of metallurgy. References are given after each article. No personalities are mentioned.

TABLE OF CONTENTS:

ARKHIPOV, O. A.; FILIPPOVA, V. N.

Radiometric method of determining the uranium content of lumps of ore. Razved. i okh. nedr 28 no.6:44-46 Je '62. (MIRA 15:10)

1. Ministerstvo geologii i okhrany nedr SSSR.

(Radioactive prospecting) (Uranium ores)

ARKHIPOV, O.A.

Using nuclear radiation for the concentration of ores. Biul. nauch.-tekh.inform VIMS no.1:86-91 '63.

1. Gosudarstvennyy geologicheskiy komitet SSSR. (MIRA 18:2)

L 08963-67 EWT(d)/FSS-2/EEC(k)-2

ACC NR: AP6021053 (A,N) SOURCE CODE: UR/0292/66/000/003/0004/0006

AUTHOR: Orlov, I. N. (Candidate of technical sciences); Delektorskiy, B. A. (Engineer); Arkhipov, O. G. (Engineer)

ORG: none

54

TITLE: Computer design of induction motors for gyroscopes

SOURCE: Elektrotekhnika, no. 3, 1966, 4-6

TOPIC TAGS: gyroscope, induction motor, servomotor, computer application, spin motor

ABSTRACT: Specific requirements of gyroscope-drive high-speed induction spin motors are formulated, particulars of their design on a digital computer are described, and computation results are presented. Main dimensions of the motor are connected with those of the gyro flywheel. Both nominal and maximum torques

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are determined by the required acceleration time. The highest motor efficiency is of prime importance because of the necessity of keeping the motor heat production as low as possible in order to ensure the gyro accuracy. The optimal design of a specified-size motor on a digital computer is reduced to calculating and comparing several versions with various combinations of β and b; here, $\beta = d_2/d_1$; d_2 and d_1 are the external and internal stator diameters; $b = B_\delta/B_1$; B_δ and B_1 are the inductions in the stator core and airgap. Eight two-pole, 400-cps motor sizes ($d_2 = 2.0 - 7.4$ cm) have been calculated. An algorithm of the computer problem and programing steps are briefly described. Each type-size has been calculated in 540 versions -- over 9000 versions for all sizes. The tabulated final results show that some widely used standard spin motors can be essentially improved as to their efficiency and power factor. Orig. art. has: 4 figures, 5 formulas, and 1 table.

SUB CODE: 17, 09 / SUBM DATE: none

Card 2/2 nst

ARKHIPOV, O.V.

Effect of different food rations on changes in the pH of chyme and motor activity of the rumen, abomasum, and duodenum of sheep. Trudy Oren. otd. Vses. fiziol. ob-va no.2:29-33'60. (MIRA 16:8)

1. Kafedra fiziologii zhivotnykh (zav. -prof. Ye.T.Khrutskiy) Orenburgskogo sel'skokhozyaystvennogo instituta.
(SHEEP--FEEDING AND FEEDS) (GASTROINTESTINAL MOTILITY)

L 43088-66 EWT(m)/EWP(t)/ETI IJP(c) JD/JG

ACC NR: AR6014366 (A,N) SOURCE CODE: UR/0137/65/000/011/G029/G029

AUTHORS: Plinor, Yu. L.; Arkhipov, O. A.; Rubinshteyn, Ye. A.

32
B

TITLE: Manufacture of carbon-free vanadium alloys

SOURCE: Ref. zh. Metallurgiya, Abs. 11G214

REF SOURCE: Sb. tr. Klyuchevsk. z-da ferrosplavov, vyp. 1, 1965, 81--88

TOPIC TAGS: vanadium containing alloy, metal melting, iron containing alloy, aluminum containing alloy

ABSTRACT: It is reported that the most rational method for obtaining carbon-free V alloys is the aluminothermic method (0.02--0.06% C). The dependence of V extraction on the amount of reducing agent and other parameters was investigated. The Al content of the alloy should be kept below 1.5--2.0%. The smelting parameters of V alloys depend on the correct choice and amount of fluxes in the charge. The effect of lime in the slag was studied. The temperature dependence of the slag viscosity from Fe-V melts and the dependence of V extraction and Al content in the alloy were studied as a function of V_2O_5 particle size.

Card 1/2 UDC: 669.292.018.9

L 43088-66

ACC NR: AR6014366

Recommendations for further decreasing the impurites content in the alloy are presented. Bibliography of 8 citations. V. Semakin [Translation of abstract]

SUB CODE: 11

Card 2/2 gd

ARKHIPOV, P. (Tula)

Airport in Tula. Grazhd. av. 17 no. 11:26 N '60. (MIRA 13:12)
(Tula--Airports)

ARKHIPOV, P.

Lost and found. Grazhd. av. 19 no.11:14-15 N '62.
(MIRA 16:1)

(Lost and found)

ARKHIPOV, P. (Sochi)

Flight pass. Grazh.av. 19 no.12:23 D '62. (MIRA 16:2)
(Sochi—Airlines)

ARKHIPOV, P.

A usual flight. Grazhd. av. 21 no.8:8-10 Ag '64.
(MIRA 18:4)

ARKHIPOV, P.

Ground run... with brakes. Grazhd. av. 22 no.8:28-29 Ag '65.
(MIRA 18:8)

ARKHIPOV, P.; PLATONOV, F., zootekhnik-ekonomist

Work and plans of machinery operators of the Volokolamskii State Farm. Tekh. v sel'khoz. 20 no.7:32-34 Jl '60. (MIRA 13:9)

1. Direktor sovkhoza "Volokolamskiy", Moskovskoy oblasti (for Arkhipov).
(Moscow Province--Farm mechanization)

ARKHIPOV, P.

With a degree in engineering. Prom. koop..14 no.5:36-37 My '60.
(MIRA 13:12)
(Moscow--Toy industry)

ARKHIPOV, P. (Tula)

This is only a beginning. Mest.prom.i khud.promys. 1 no.2/3:20-21 N-D '60. (MIRA 14:4)

(Tula--Metalwork)

AFKHIPOV, P. (Sverdlovsk)

Russian precious stones. Mest.prom.i khud.promys. 2 no.2:20-23 F '61. (MIRA 14:4)

(Ural Mountains--Precious stones)

ARKHIPOV, P.

Stay healthy! Mest.prom.i khud.promys.3 no.2:20-21 F '62. (MIRA 15:2)
(Moscow Province—Textile workers—Diseases and hygiene)

ARKHIPOV, P.

Substituting for silk. Mest.prom.i khud.promys. 3 no.4:31 Ap '62. (MIRA 15:5)

(Lamp shades) (Polymers)

ARKHIPOV, P.

Suits made from lavsan. Mest.prom.i khud.promys. 3 no.5:22-23 My '62. (MIRA 15:6)
(Clothing industry--Equipment and supplies)

ARKHIPOV, P.

Not only by authority. Grazhd.av. 20 no.8:12-14 Ag '63.
(MIRA 16:9)
(Air pilots)

ARKHIPOV, P.

The Silver Wing. Grazhd.av. 20 no.12:26-27 D '63. (MIRA 17:2)

ARKHIPOV, P. G.

PA 67T 102

USSR/Mines and Mining
Mining Methods

Jun 1948

"Control of Crushed Ore Slides in the Blyavinsk Mine," P. G. Arkhipov, Engr, PEU SoyuzVzrivProm, 1½ pp

"Gor Zhur" No 6

Ore at subject mines is very loose due to tectonic and chemical processes. Presents several methods adopted to prevent sliding of rubble ores.

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