

Kozhukharov, Mitko

BULGARIA/ Analytical Chemistry. General Problems. G-1

Abs Jour: Referat. Zhur.-Khimiya, No. 8, 1957, 26138 K.

Author : Mitko Kozhukharov.

Title : Analytical Chemistry. Part I. Qualitative
Analysis. For 1st Term of Technicums of Chem-
istry and Technology.

Orig Pub: Sofiya, Nar. prosv., 1956, 202 str., 5-05 lv.

Abstract: no abstract.

Card 1/1

CA KOZHUKHAROV, Miko

110

Ascorbic acid in the roots and tops of healthy and diseased potatoes of the Rila variety. Mitko Kozhukhurev. *Godishnik Selshospanskata Akad. Georgi Dimitrov* (Bulgaria) 28, 201-10(1950).—Leaves, petioles, and stems of young and old potatoes, healthy and diseased (virus Y-streak and leafroll) were examd. The highest percentage of vitamin C was found in healthy leaves with a max. during the period at the end of June. The lowest content of ascorbic acid was found in leaves affected with mosaic. Stems contained less vitamins than the leaf petioles. In all parts of the plants investigated, the content of the reduced form of ascorbic acid in relation to the total quantity varied from 5 to 10%. The tubers of healthy plants increased their vitamin C content with the advance in growth. Esther G. Maimon

Kozhukharov, Mitko

The activity of invertase and amylase and the dynamics of vitamin C in leaves of the Rila variety of potatoes. Mitko Kozhukharov. *Nauch. Trudove, Selkhozopanska Akad. "Georgi Dimitrov", Agron. Fak.* 1, 143-50 (in Bulgarian; 100-1, in Russian) (1952). --Healthy plants and those infected with leaf-roll virus vary in their amylase activity. In July and August the amylase activity of healthy plants changes to a hydrolysis reaction but not in infected plants. Healthy and infected plants vary also in their invertase activity. The virus-infected leaves contain more vitamin C.
J. S. Joffe

KOZHUKHAROV, M. jtko

Over the summits of the Pirin Mountains. p.12.
(TURIST, NO. 1, no. 9. Sept. 1956, Sofia, Bulgaria.)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no.12, December 1957 Uncl.

KOZHUKHAROVA, N., u-ka (Cherven briag)

Tests on bacterial fertilization. Biol i khim 4 no.2:7-9 '62.

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KOZHUKHAR' P.

Moving-Picture Projection

Indispensable measures. Kinomekhanik. No. 2, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

KOZHUKHAROV, P.

PASKOV, D.; KOZHUKHAROV, P.; PAVLOV, V.

Experimental studies of isonicotinic acid hydrazide synthesized in Bulgaria. Izv. med. inst., Sofia 8:53-80 1953. (GIML 25:5)

1. Candidate Medical Sciences, Senior Scientific Associate at the Bulgarian Academy of Sciences for Paskov; Senior Scientific Associate at the Pharmaceutical Scientific-Research Institute for Kozhukharov; Junior Scientific Associate at the Bulgarian Academy of Sciences for Pavlov.

KOZHUKHAROV, P.; SUBEVA, V.

Rapid and simple method of titrimetric examination of exactness and correction of medical laboratory vessels and appliance for determination of volume of fluids. Farmatsia, Sofia 4 no.3: 23-29 May-June 54.

(TECHNOLOGY, MEDICAL,

exam. of exactness & correction of vessels & appliance for determ. volume of fluids)

KOZHUKHAROV, P.; SUBEVA, V.

~~XXXXXXXXXXXXXXXXXXXX~~

Micromethod of determination of sugar in 0.02 cc of the blood.
Farmatsiia, Sofia 4 no.6:23-29 1954.

1. Nauchno-Izledovatelski institut po farmatsiia.
(BLOOD SUGAR, determination,
micromethod in 0.02 cc of blood)

BULGARIA / Pharmacology, Toxicology. Chemo-Therapeutic Preparations. V
Antibiotics.

Abs Jour : Ref Zhur - Biologiya, No 6, 1959, No. 27942

Author : Koshukharov, P.; Trandafilov, Tr.; Kharizanova, T.;
Khristov, A.

Inst : Not given

Title : Experimental Investigations of Some Medicinal Forms with
Antibiotics. II. Prolongation of Action of Penicillin
Injections with Pyramidone, Calcium Gluconate and
Novocain

Orig Pub : Sofiya. Farmatsevt. fak., 1955 (1957), 3, No 5, 35-50

Abstract : No abstract given

Card 1/1

TRANDAFILOV, T.; KOZHUKHAROV, P.; KHRISTOV, K.

Preparation of penicillin suppositories. Farmatsia, Sofia 5 no.2:
32-34 Mar-Apr 55.

(PENICILLIN, administration,
suppositories, prep. of)

(SUPPOSITORIES,
penicillin, prep. of)

Kozhukharov, P.
KOZHUKHAROV, P.; KHARIZANOVA, T.

Use of antirabies vaccine as a coagulant. Suvrem.med., Sofia 6 no.7:
46-50 1955.

1. Iz Nauchnoizsledovatel'skiiia institut po farmatsiia pri MNZSG
(direktor: G.Todorov).

(VACCINES AND VACCINATION,
antirabies vaccine as hemostatic)
(HEMOSTASIS,
antirabies vaccine as hemostatic)
(RABIES, immunology,
antirabies vaccine as hemostatic)

KOZHUKHAROV
KOJOUHAROFF, P.

BULGARIA / Pharmacology, Toxicology. Chemotherapeutic Agents.

U-7

Abs Jour : Ref. Zh.-Biol., No 2, 1958, No 8137

Author : Trandafiloff T., Kojouharoff, P., Hristoff K.

Inst :

Title : An Experimental Study of Certain Pharmacologic Forms of Antibiotics.

Orig Pub : Dokl. Bolgar. An, 1955, 8, No 4, 77 - 80.

Abstract : The high quality of penicillin suppositories, prepared from an indigenous hydrated oil under aseptic conditions, was described. Experiments on rabbits, as well as observations on human subjects, revealed that if the dosage of penicillin in suppositories were from 3 to 5 times as high as that administered parenterally, suppositories could be used on a par with intramuscular injections of penicillin.

Card : 1/1

Country : BULGARIA F
Category : Microbiology-Microbes Pathogenic for Man and Animal
Abs. Jour. : Med. Mikrob. Biol., 1956, 5(1), 51-58
Author : Pashev, K.; Kozhuharov, P.; Rankov, B.
Institut. : Medical Institute of the Bulgarian Acad. of Science
Title : Experimental Perifocal Exotuberculous Iritis
Orig. Pub. : Izv. Med. Inst. Bulg. AN, 1956, Vol.13, 51-58
Abstract : Rabbits previously infected with tubercle bacilli of the bovine type were given a mixture of killed tubercle bacilli of the human and bovine types beneath the ocular conjunctiva, parallel to the surface of the sclera. Within 72 hours there was a noticeable formation of exudate and nodular infiltrations in the iris. Histologic examination revealed a lymphocytic infiltration not accompanied, in distinction from typical tuberculosis, by the formation of tubercles and giant cells. In the opinion of the authors, the infiltrates in the iris are produced as the result of the action of tuberculous toxins. - S.Ya.Feygina
Card: 1/1

KOZHUKHAROV, P.; KHARIZANOVA, T.

Experimental studies on antagonistic and synergistic effect of penicillin with certain other drugs with special reference to combined preparation trypso-penicillin (trypsocilline), a combined penicillin preparation for local use. Khirurgia, Sofia 12 no.7: 619-625 '59.

(PENICILLIN relcpds.)

KOZHUKHAROV, P.; KHARIZANOVA, T.; DUMEVA, Sv.

Tests in the treatment of *Trichomonas vaginalis* with nitrofurantoin compounds. Trud Khim-farmatsevt inst 4:82-86 '63.

KOZHUKHAROV, P.; KHERUZANOVA, T.

Experimental studies of fungicidal action in some β -oxyquinoline derivatives, synthesized in the Scientific Research Chemical and Pharmaceutical Institute. *Izviestia Farmatsevt Inst* 4:88-90 '63.

Combined use of Bulgarian antibiotics with some biological and chemical substances for potentiating their action. *Ibid.*:91-95

Experimental study on obtaining a combined preparation of penicillin and sulfonamides with synergistic action. *Ibid.*:95-96

KOZHUKHAROV, S.

Utilization of the power of the machines and equipment in the
machine construction plants. p.7. TEZHKA PROMISHLENO T.
(Ministerstvo na tezhkata promishlenost) Sofia. Vol. 5, no. 6,
1956

SOURCE: East European Accessions List, (EEAL), Library of
Congress, Vol. 5, no. 12, December 1956

KOZHUKHAROV, S.

"Modernization of the metal-working machinery"

Tezhka Promishlenost. Sofia, Bulgaria. Vol. 8, no. 1, Jan. 1959

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 6, Jun 59, Unclass

KOZHUKHAROV, St.; KUZMANOV, B.

Some materials and critical notes on the flora of Bulgaria.
Izv Inst bot BAN no. 9:181-183 '62.

KOZHUKHAROV, St.

Notes on some species of the genus *Luzula* DC. in Bulgaria.
Izv Inst bot BAN 11 125-139 '63.

BONDEV, Iv.; KOZHUKHAROV, St.

Making the species composition of the genus *Medicago* L. more precise in Bulgaria. Izv Inst bot BAN 11 161-163 '63.

KOZHUKHAROV, St.

On some species of wild alfalfa widespread in Bulgaria. Izv.
inst.bot.BAN 10:37-46 '62.

KOZHUKHAROV, St.

Vegetation of a part of the meadows and pastures in the alpine region of the village Batak, the Peshtersko District, Western Rhodope. Izv Inst bot BAN no.8:89-112 '61.

VULEV, St.; PENEV, Iv.; KOZHUKHAROV, St.; ASENOV, Ivan

Some short floristic communications. Izv Inst bot BAN
no.8:269-271 '61.

KOZHUKHAROV, V.; GEORGIEV, B.

90th Birth anniversary of Ivan Karamihailov. Khirurgia, Sofia 10 no.4:
364-365 1957.

(BIOGRAPHIES

Karamihailov, Ivan (Bul))

KOZHUKHAROVA, E.; KOZHUKHAROV, D.

Studies on the rocks and structure of the northern Rhodopean anticline in the region of Asenovgrad. Izv Geol Inst BAN 11: 125-162 '62.

VERGILOV, V.; KOZHUKHAROV, D.; BOIANOV, Iv.; MAVRUDCHIEV, B.; KOZHUKHAROVA, E.

Notes on the Prepaleozoic metamorphic complexes in the Rhodopean Massif. Izv Geol inst BAN 12:187-211 '63.

BEKUS, Dzh.V. [Backus, T.W.]; BAUER, F.L.; GRIN, Dzh. [Green, T.];
KETSIS, S. [Katz, C.]; MAK-KARTI, Dzh. [McCarthy, T.]; NAUR, Peter;
PERLIS, E.Dzh. [Perlis, A.T.]; RUTISKHAUZER, Kh. [Rutishauser, H.];
ZAMEL'ZON, K. [Samelson, K.]; VOKUA, B. [Vauquois, B.];
UEGSTEYN, Dz. [Wegstein, T.H.]; VAN-VENGAARDEN, A. [Wijngaarden,
A. van]; VUDZHER, M. [Woodger, M.]; KOZHUKHIN, G.I. [translator];
YERSHOV, A.P., red.; KORKIN, A.I., tekhn.red.

[Report on the algorithmic language ALGOL 60] Soobshchenie ob
algoritmicheskoyazyke ALGOL 60. Pod red. Petera Naura. Moskva,
Vychislitel'nyi tsentr AN SSSR, 1960. 66 p. (ALGOL bulletin
supplement, no.2). (MIRA 13:12)

(Logic, Symbolic and mathematical)
(Information theory)

YERSHOV, A.P.; KOZHUKHIN, G.I.; VOLOSHIN, Yu.M.


[Input language for an automatic programming system; preliminary information] Vkhodnoi iazyk sistemy avtomaticheskogo programirovaniia; predvaritel'noe soobshchenie. Moskva, Vychislitel'nyi tsentr AN SSSR, 1961. 173 p. (MIRA 14:8)
(Programming(Electronic computers))

S/558/61/000/007/006/008
D299/D301

AUTHORS: Kozhukhin, G.I., Nagornyy, N.M., and Pottosin, I.V.
TITLE: Principles of organization and use of routine libraries
SOURCE: Akademiya nauk SSSR. Vychislitel'nyy tsentr. Vychislitel'naya matematika, no. 7, 1961, 161 - 169

TEXT: The organization and functions of a library of routines is considered. The library should have the following characteristics: The routines should be realizations of algorithms (transforming the coded data); the routines should be written in the required machine code; they should not be limited artificially in length, number of inputs and outputs, and in the number of required blocks (stacks). It should be possible to use a variety of very simple compiling and interpreting systems, operating in conjunction with the routines. These requirements could be met in the following way: The routine should consist of 2 parts: The blocks of instructions and of related constants, and the remaining blocks (of initial data, param-

Card 1/3



Principles of organization and ...

S/558/61/000/007/006/008
D299/D301

ters, etc.). The blocks which do not change during the processing (i.e. the re-addressing constants, figures, etc.) should be kept separate from those which change on entering the store. The length of blocks ($1 + \max_i A_i$, where A_i are natural numbers) depends on the parameters (order of matrices, degrees of polynomials, etc.). The address of the routine can have the form $a + f_i(n_1, \dots, n_k)$, where a - is the start of the block, and n_1, \dots, n_k are parameters. The start of the block and its length determine the range of addresses, related to the particular block. The instruction for the routine is constructed in such a way, so as to allow changes in the processed part of the routine. The position of the block can be indicated by either its start and length, or by its start and end; this information about the block, is called basic; often, additional information is necessary. Such information can be of 2 types: adjusting (the possible start of blocks) functions, and a program for calculation of block length. The input- and output of routines can be considered as ordinary blocks, consisting of single cells. The described information characterizes completely the routine; it is

Card 2/3

Principles of organization and ...

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D299/D301

fixed and does not change from problem to problem. A library, organized in the above manner, can carry out the following functions: independent use of each program, use of subroutines in other routines, use of programming routines, use of subroutines in other routines, use of programming routines, use of routines in conjunction with compiling programs of various complexity, joint use of routines, compiling- and interpreting systems. The proposed method of organization does not specify the automation system, using the library; (hence it can be used with various systems). As an example, the use of the library in solving problems by means of the compiling system developed by the authors, is considered. The authors propose the creation of a library of algorithms, in addition to that of routines. Such a library should use a symbolic language which would permit automatic translation into the machine language. The adoption of an international language for this purpose would enable exchange of algorithms. In this connection, the international algorithmic language "Algol", is mentioned. There is 1 Soviet-bloc reference.

Card 3/3

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KOZHUKHIN, G. I.

"Program Model of Self-Teaching Machine"

presented at the All-Union Conference on Computational Mathematics and
Computational Techniques, Moscow, 16-28 November 1961

So: Problemy kibernetiki, Issue 5, 1961, pp 289-294

BEKUS, Dzh.V. [Backus, J.W.]; BAUER, F.L.; GRIN, Dzh. [Green, J.]; KETTS, S. [Katz, C.]; MAK-KARTI, Dzh. [McCarthy, J.]; MAUR, F.; PERLIS, E. Dzh. [Perlis, A.J.]; RUTISKHAUZER, Kh. [Rutishauser, H.]; ZAMEL'ZON, K. [Samelson, K.]; VOKUA, B. [Vauquois, B.]; UEGSTEYN, Dzh. [Wegstein, J.H.]; VAN-VENGAARDEN, A. [van Wijngaarden, A.]; VUDZHER, M. [Woodger, M.]; KOZIRUKHIN, G.I. [translator]

Communication with the algorithmic language Algol-60. Zhur. vych. mat. i mat. fiz. 1 no.2:308-342 Mr-Ap '61. (MIRA 14:8)
(Information theory) (Programming (Electronic computers))

32025

16.6500

S/O20/62/142/002/003/029
C111/C222

AUTHORS: Yershov, A. P and Kozhukhin, G. I.

TITLE: Estimates of the chromatic number of connected graphs

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 142, no. 2, 1962,
270-273

TEXT: The author examines the dependence of the chromatic number of a connected graph upon the number n of its vertices and the number p of its edges. Let $\mathcal{G}(n,p)$ be the class of all connected graphs with n vertices and p edges without loops or parallel edges. The upper and lower chromatic numbers $X(n,p)$ and $\chi(n,p)$, respectively, of class $\mathcal{G}(n,p)$ are those numbers of a $\mathcal{G}(n,p)$ which are not smaller or greater, respectively, than the chromatic number of an arbitrary graph from $\mathcal{G}(n,p)$.

The following theorem is proven:

$$X(n,p) = \left[\frac{3 + \sqrt{9+8(p-n)}}{2} \right] ; \quad (2)$$

Card 1/2

32815

S/020/62/142/002/003/029

Estimates of the chromatic number . . . C111/C222

$$\chi(n,p) = - \left[- \frac{n}{\lfloor \frac{n^2-2p}{n} \rfloor} \left(1 - \frac{\left\{ \frac{n^2-2p}{n} \right\}}{1 + \lfloor \frac{n^2-2p}{n} \rfloor} \right) \right] \quad (3)$$

4

where $\lfloor \ \rfloor$ denotes the integral part of the number, and $\{ \ \}$ the fractional part thereof.

The author thanks Yu. M. Voloshin for advice.

There is one non-Soviet-bloc reference.

ASSOCIATION: Institut matematiki s vychislitel'nyim tsentrom Sibirskogo otdeleniya Akademii nauk SSSR (Institute of Mathematics with Computing Center of the Siberian Department of the Academy of Sciences USSR)

PRESENTED: August 11, 1961, by A. I. Mal'tsev, Academician

SUBMITTED: August 28, 1961

Card 2/2

I 44598 65 EMT(Δ)/EED-2/EWP(1) Pq-4/Pg-4/Pk-4 IJP(c) DD/GG
ACCESSION NR: AP5009396 UR/0208/65/005/002/0317/0325

AUTHOR: Babetskiy, G. I. (Novosibirsk); Bozhanova, M. M. (Novosibirsk);
Voloshin, Yu. M. (Novosibirsk); Yershov, A. P. (Novosibirsk); Zagatskiy, B. A. (Novosibirsk);
Zmiyevokaya, L. L. (Novosibirsk); Kozhukhin, G. F. (Novosibirsk);
Kozhukhina, S. K. (Novosibirsk); Mishkovich, R. D. (Novosibirsk); Mikhalevich,
Yu. I. (Novosibirsk); Pottozin, I. V. (Novosibirsk); Trokhan, L. K. (Novosibirsk)

TITLE: AL'FA automatic programming system

SOURCE: Zhurnal vychislitel'noy matematiki i matematicheskoy fiziki, v. 5, no. 2,
1965, 317-325

TOPIC TAGS: automatic computer programming, computer language, computer system,
machine translation, computer/AL'FA computer programming, AL'FA computer
language, AL'FA computer system

ABSTRACT: This article presents a detailed description of the AL'FA Automatic
Programming System which translates from an ALGOL type language.
The AL'FA System was developed by a group of twelve scientists at the
Computing Center of the Siberian Branch of the Academy of Sciences USSR
and is intended for the electronic computer of the same computing center

Card 1/3

L 4759A-65

ACCESSION NR: AP5009396

which has the following characteristics: three-address, floating-point, one index register, an immediate access memory of 4096 45-bit words, three magnetic drums with a total storage capacity of 12,288 words, four magnetic tape units with 75,000 words storage capacity each, punch card input and output, average speed 20,000 operations per second.

The AL' FA System consists of the following components: 1) AL' FA language, the input language in which the problems to be solved are programmed. This language is an extension of the ALGOL-60 language. 2) AL' FA translator, the translating program by means of which the program written in AL' FA language is translated into the computer program. It consists of 24 blocks with a total storage capacity of 45,000 words. The performance of particular blocks and translation procedure are described in detail, and 3) the AL' FA debugging program, which makes it possible to correct the AL' FA program without studying the computer program. The storage capacity of the AL' FA debugging program is approximately 2000 words.

Card 2/3

L 48592-65

ACCESSION NR: AP5009396

It is indicated that scientists were working on the development of the AL' FA System from 1959 to 1964 and that the estimated labor used amounts to 35 man-years. The AL' FA System has been in an experimental stage of operation since January 1964. Some operational data obtained in the first five months are presented and compared with the data on manual programming. Orig. art. has 2 tables.

ASSOCIATION: none

SUBMITTED: 05Oct64

ENCL: 00

SUB CODE: IP

NO REF SOV: 7008

OTHER: 002

ATD PRESS: 324-F

Card 3/3

BABETSKIY, G.I. (Novosibirsk); PEZHANOVA, M.M. (Novosibirsk); VOLOSHIN, Yu.M. (Novosibirsk); YERSHOV, A.P. (Novosibirsk); ZAGATSKIY, B.A. (Novosibirsk); ZMIYEVSKAYA, L.L. (Novosibirsk); KOZHUKHIN, G I. (Novosibirsk); KOZHUKHINA, S.K., (Novosibirsk); MISHKOVICH, R.D. (Novosibirsk); MIKHALEVICH, Yu.I. (Novosibirsk); POTTOSIN, I.V. (Novosibirsk); TROKHAN, L.K. (Novosibirsk)

The ALPHA system of automatic programming. Zhur. vych. mat. i mat. fiz. 5 no.2:317-325 Mr-Ap '65. (MIRA 18:5)

BURDINA, V.I.; BRUSENTSEV, F.A.; SALTUKOV, A.I.; KOZHUKHINA, S.K.; GRYAZEVA,
R.P.

Complex of programs for solving the planar problems of crystal
structure analysis. Zhur. strukt. khim. 5 no.6:936-937 M-D '64.
(MIRA 18:4)

1. Vychislitel'nyy tsentr Sibirskogo otdeleniya AN SSSR, Novo-
sibirsk.

44598.65 E-T(2)/EED-2/EWP(1) Pq-4/Pg-4/Fk-4 IJP(c) BB/GG
ACCESSION NR: AP5009396 UR/0208/65/005/002/0317/0325

AUTHOR: Babetskiy, G. I. (Novosibirsk); Bozhanova, M. M. (Novosibirsk);
Voloshin, Yu. M. (Novosibirsk); Yershov, A. P. (Novosibirsk); Zagatskiy, B. A. (Novosibirsk); Zmiyevskaya, L. L. (Novosibirsk); Kozhukhin, G. I. (Novosibirsk);
Kozhukhina, S. K. (Novosibirsk); Mikhovich, R. D. (Novosibirsk); Mikhalevich, Yu. I. (Novosibirsk); Pottonin, I. V. (Novosibirsk); Trokhan, L. K. (Novosibirsk)

TITLE: AL'FA automatic programming system

SOURCE: Zhurnal vychislitel'noy matematiki i matematicheskoy fiziki, v. 5, no. 2, 1965, 317-325

TOPIC TAGS: automatic computer programming, computer language, computer system, machine translation, computer/AL'FA computer programming, AL'FA computer language, AL'FA computer system

ABSTRACT: This article presents a detailed description of the AL'FA Automatic Programming System which translates from an ALGOL type language. The AL'FA System was developed by a group of twelve scientists at the Computing Center of the Siberian Branch of the Academy of Sciences USSR and is intended for the electronic computer of the same computing center

Card 1/3

L 4859A-65

ACCESSION NR: AP5009396

which has the following characteristics: three-address, floating-point, one index register, an immediate access memory of 4096 45-bit words, three magnetic drums with a total storage capacity of 12,288 words, four magnetic tape units with 75,000 words storage capacity each, punch card input and output, average speed 20,000 operations per second.

The AL' FA System consists of the following components: 1) AL' FA language, the input language in which the problems to be solved are programmed. This language is an extension of the ALGOL-60 language. 2) AL' FA translator, the translating program by means of which the program written in AL' FA language is translated into the computer program. It consists of 24 blocks with a total storage capacity of 45,000 words. The performance of particular blocks and translation procedure are described in detail, and 3) the AL' FA debugging program, which makes it possible to correct the AL' FA program without studying the computer program. The storage capacity of the AL' FA debugging program is approximately 2000 words.

Card 2/3

L 4859P-65

ACCESSION NR: AP5009396

It is indicated that scientists were working on the development of the AL' FA System from 1959 to 1964 and that the estimated labor used amounts to 35 man-years. The AL' FA System has been in an experimental stage of operation since January 1964. Some operational data obtained in the first five months are presented and compared with the data on manual programming. Orig. art. has 2 tables.

ASSOCIATION: none

SUBMITTED: 05Oct64

ENCL: 00

SUB CODE: DP

NO REF SOV: V008

OTHER: 002

ATD PRESS: 324-F

Card 3/3

KOZHUKHOV, A.D., inzhener (st. Tikhoretskaya); BLAZHNOV, I.F., inzhener
(st. Tikhoretskaya)

Improved tanks for tie impregnation. Put.i put.khoz. no.4:25-27
Ap '57. (MLRA 10:5)

(Railroad--Ties)

ANTONOV, Yu.N.; ZINOV'YEV, L.P.; KOZHUKHOV, I.V.; RASHEVSKIY, V.P.;
SARANTSEV, V.P.; CHZHAN Chzhun-mu [Chang Chung-mu].

[Focusing and adjusting the injector beam of a linear ac-
celerator] Fokusirovka i iustirovka puchka inzhektora linei-
nogo uskoritelia. Dubna, Ob"edinennyi in-t iadernykh issl.,
1961. 19 p. (MIRA 15:1)

(Particle accelerators)

KOZHUKHOV, K. P.

Kozhukhov, K. P. "Presowing drying of rice seed," *Selektsiya i semenovodstvo*, 1949, No. 3, p. 71-72

SO: U-3566, 15 March 53, (Letonis 'Zhurnal 'nykh Statey, No. 14, 1949).

KOZHUKHOV, M.V.

Intravital diagnosis of pregnancy of domesticated cow moose.
Trudy Pech.-Il.gos.zap. no.7:173-178 '59. (MIRA 15:5)
(Pechoro-Plych Preserve--Moose) (Pregnancy--Signs and diagnosis)

KOZHUKHOV, M.V.

Injuries of organs and tissues of moose suffered during life.
Trudy Pech. Il.gos.zap. no.7:179-181 '59. (MIRA 15:5)
(Pechoro-Lych Preserve--Moose--Diseases)

KOZHUKHOV, Petr Semenovich; ERIN, I.A., kand. fiz.-matem. nauk,
dots., red.; SOLOMENETSEV, Ye.D., kand. fiz.-matem.nauk,
dots., red.

[Ordinary differential equations] Obyknoennyye differentsial'-
nye uravneniia. Moskva, Mosk. energ. in-t, 1963. 121 p.
(MIRA 17:5)

KOZHUKHOV, P. T.

PA 43/43T23

USSR/Geological Prospecting
Mercury

11 Jan 1948

"A New Mercury Lode in the North Caucasus," P. T.
Kozhukhov, 3 pp

"Dok Akad Nauk SSSR, Nova Ser" Vol LIX, No 2

Author discovered mercury deposit in the sandy con-
glomerate strata of the upper formation of Lower
Permian in the upper Drasnoy Valley, right tributary
of Kyskht River. Describes geologic structure of the
deposits in detail. Submitted by Academician D. S.
Belyankin, 18 Jul 1947.

43T23

KOZHUKHOV, S.
25867

Osnovnyye Dannyye Oprepatakh Duolit. Voen. - Med. Zhurnal, 1948,
No. 6, s. 55-57

SO: LETOPIS NO. 30, 1948

KOZHUKHOV, S., kand.tekhn.nauk

Studying two-pipe hot-water heating systems under operating conditions.
Znii-komm.khoz. 9 no.8:13-15 '59. (MIRA 12:11)
(Hot-water heating)

KOZHUKHOV, S. I.

LC

26T36

PA 26T36

USSR/Medicine - Insecticides
Medicine - Mosquitoes, Eradication

Sep 1947

"First Experiments on the Use of Duolite Preparations
as Insecticides for Mosquito Larvae," Capt S. I.
Kozhukhov, Enger, 3 pp

"Voenno-Meditsinskij Zhurnal" No 9

Short summaries of ten experiments conducted at
different times using various concentrations of
duolite containing DDT in concentrations ranging
from 2 to 20 per cent. The main conclusion was
that it was the presence of DDT in all these
solutions and emulsions and powders which killed
larvae of all sizes and in all stages of development.
LC 26T36

USSR/Medicine - Insecticides (Contd) Sep 1947

Duolite in an emulsified form was very effective
when spread on the surface of bodies of water.

KOZHUKHOV, S. V.

"Improvement of the Thermal and Hydraulic Balance in Water Heating Systems." Academy of Municipal Engineering imeni K. D. Pamfilov, Moscow, 1955. (Dissertation for the Degree of Candidate in Technical Sciences)

SO: Knizhnaya Letopis', No. 22, 1955, pp 93-105

KOZHUKHOV, S.V.

Operation of heating and ventilating systems in large block
slag concrete apartment houses. Sbor. nauch. rab. AKKH no.16:
53-69 62. (MIRA 17:8)

KOZHUKHOV, V., dotsent

A particular case of establishing the most advantageous sailing route. Mor.flot 25 no.6:19-20 J1 '65.

(MIRA 19:1)
1. Leningradskoye vyssheye inzhenernoye morskoye uchilishche imeni admirala Makarova.

KOZHUKHOV, V., dotsent; GUKOV, F., inzhener

Induction in iron balls installed in proximity to a magnetic compass.

Mor.flot 15 no.10:21-22 0'55.

(MIRA 8:12)

(Magnetic induction) (Compass)

KOZHUKHOV, V., dotsent.

Calculating position coordinates by direction finders of two sector
radio beacons. Mor.flet 16 no.6:15 Je '56. (MIRA 9:9)

1. LVIMU.
(Radio in navigation)

KOZHUKHOV, V., dots.

Recent developments in correcting heeling deviation. Mor. flot 18 no.10:
19 0 '58. (MIRA 11:11)

1. Leningradskoye vyshseye inzhenernoye morskoye uchilishche.
(Stability of ships)

KOZHUKHIN, V.

Replacement of the power supply switch in the "A-12" radio
receiver. Radio no. 4:44 Ap '63. (MIRA 16:3)
(Radio—Repairing)

KOZHUKHOV, V., dotsent

Deviation of magnetic compasses. M-r. Slot 25 no.2:23-24 F '65.
(MIRA 18:4)

1. Kafedra sudovozhdeniya Leningradskogo vysshego inzhenernogo
morekhodnogo uchilishcha imeni admirala S.O.Makarova.

YEROFEYEV, N.S.; KOZLOV, A.L.; SAVCHENKO, V.P.; YELIN, N.D.; ALEKSIN, A.G.;
MAKSIMOV, S.P.; DAKHNOV, V.N.; SHMELEV, A.A.; KOZHUKHOV, V.A.;
ANDRIANOV, N.I.; KOPOSOV, I.A.; YENIKHEYEV, P.N.; KALANTAROV, A.P.,
vedushchiy red.; TROFIMOV, A.V., tekhn.red.

[Efficient method of prospecting for gas fields; studies of the
temporary commission of the State Scientific and Technical
Committee of the U.S.S.R.] Ratsional'naya metodika razvedki
gazovykh mestorozhdenii; materialy vremennoi komissii GNTK SSSR.
Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry,
1960. 125 p. (MIRA 13:3)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy nauchno-tekhnicheskii
komitet.
(Gas, Natural) (Prospecting)

KOSTROV, M.F.; BIRYUKOV, V.G.; SIROPINSKIY, L.I.; KISLOV, A.N.; KOZHUKHOV, V.K.;
AKOPYAN, A.A.; MEL'KUMOV, A.M.; LARIONOV, V.P.

Professor G.V. Butkevich. Fiftieth anniversary of his birth. Elektrichestvo
no.10:92 0 '53. (MLRA 6:10)

(Butkevich, Georgii Vladimirovich, 1903-)

KOZHUKHOV, V. K. (Cand. Tech. Sci.) ~~VEI~~; MORZOV, M. A. (Engr.); and RAPOTA, F. I.

"Modern Requirements in Insulators,"

report presented at the First Technical Conference on the Introduction of New Techniques into the Electrical Insulator Industry, 12-15 Mar 1958, State Sci. Tech. Committee of Council of Ministers of USSR

VEI

SOV/110-59-1-11/28

AUTHOR: Kozhukov, V.K. (Candidate of Technical Sciences)
TITLE: Special Operating Features of High-Voltage Insulators
for Indoor Installation in a Tropical Climate
(Osobennosti raboty vysokovoltnykh izolyatorov dlya
vnutrennikh ustanovok v tropicheskoy klimate)
PERIODICAL: Vestnik Elektromyshlennosti, 1959, Nr 1, pp 42-45 (USSR)
ABSTRACT: In selecting insulators for indoor operation in tropical
climates it is usual to employ one voltage-class higher
than normal. This raises difficulties because there are
no standard voltages intermediate between 35 and 110 kV.
Moreover, 10 kV insulators are too big and heavy for use
at 6 kV. It is, therefore, better to use special
designs for indoor tropical operation. This article
gives the results of determinations of flash-over
voltages of insulators with condensation on the surface
and with high ambient temperature and humidity. The
standardisation of the flash-over voltages of insulators
intended for installation in a tropical climate is also
considered. The flash-over voltages of insulators with
surface condensation are then considered. Condensation
was produced by putting cold insulators in an

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SOV/110-59-1-11/28

Special Operating Features of High-Voltage Insulators for Indoor Installation in a Tropical Climate

atmosphere of the required humidity and temperature. Insulator flash-over voltages obtained at various temperatures and relative humidities and with various degrees of cooling of the insulator are given in Table 1. The flash-over voltage drops to 32 - 45% of the dry flash-over voltage. The presence of ribs on the surface can increase the flash-over voltage to 57.5% of the dry flash-over voltage. The 10 kV insulator with the lowest flash-over voltage was type OB-10 but even this was quite adequate for operation at 6 kV. Insulator flash-over voltages were determined with different degrees of relative humidity and constant air temperature. The insulators were kept for about an hour at each different value of relative humidity. The test results for different insulators are given in Fig 1, and Table 2 gives flash-over voltages as a percentage of the dry flash-over voltage. When the relative humidity was 100%, steps were taken to prevent dew formation on the insulators: accordingly the reduction in flash-over voltage in this case was somewhat less than in the

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Special Operating Features of High-Voltage Insulators for Indoor Installation in a Tropical Climate

previous tests. Test results with insulator type OB-6 at 100% humidity over the temperature range 14 to 60 °C are given in Fig 2. With all the insulators there was considerable scatter of results at 100% humidity because of the difficulty of controlling the humidity accurately. Nevertheless it is clearly seen that as the air temperature rises the flash-over voltage is reduced, as will be seen from the data in Table 3. Methods of increasing the flash-over voltage of insulators with condensation on the surface are then considered. The improvement in the flash-over voltage of insulators type PB-10 that results from the use of ribs on the surface when the insulators are tested with a condensed film of moisture on the surface will be seen from the results charted in Fig 3. Both types have about the same dry flash-over voltage but the flash-over voltage of the insulators with ribs on the surface is 43 kV whilst that of the usual type is 29.5 kV. The use of water-repellant silicone resin films on the insulator surfaces was also tried. The tests were made with insulators type ON-6 with both

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Special Operating Features of High-Voltage Insulators for Indoor
Installation in a Tropical Climate

normal and semiconducting glaze coated with various
silicone materials. The test results are plotted in
Fig 4, showing that both semiconducting glaze and water-
repellant coatings improve the flash-over voltage at
high ambient humidity, particularly at high temperatures.
It should be noted that insulators type ON-6 are intended
for outdoor installation and have well-defined sheds.
It is to be expected that water-repellant coatings would
have even more effect on insulators intended for indoor
installation.

Card 4/4

There are 4 figures and 3 tables.

SUBMITTED: September 29, 1958

BUNEYEVA, L.I.; GORSHKOVA, Z.S.; GUBER, L.U.; IL'IN, A.G.; KOZHUKHOV,
V.K.; PISHCHIKOV, D.P.; TYKACHINSKIY, I.D.; SHVARTSBEYN, Ye.A.;
TASLITSKAYA, M.G., red.; BORISOV, B.L., tekhn. red.

[Manufacture of glass insulators] Proizvodstvo elektroizoliatov
iz stekla. Moskva, Gos. nauchno-issl. in-t stekla, 1960.
73 p. (MIRA 15:1)

1. Nachal'nik laboratoriy v/v izolyatorov Vsesoyuznogo elektrotekhnicheskogo instituta im. Lenina (for Kozhukhov). 2. Nachal'nik laboratoriy steklovareniya Gosudarstvennogo nauchno-issledovatel'skogo instituta stekla (for Tykachinskiy).

(Electric insulators and insulation)

BIRYUKOV, V.G.; BRITCHUK, V.V.; KOZHUKHOV, V.K.; KRAYZ, A.G.;
NAYASHKOV, I.S.; NAZAREVSKIY, N.I.; PANOV, A.V.; PETROV, G.N.;
RABINOVICH, S.I.; SAPOZHNIKOV, A.V.

Emmanuil Abramovich Man'kin, 1905- ; on his 60th birthday.
Elektrichestvo no.11:86-87 N '65. (MIRA 18:11)

SINYAVSKIY, Viktor Naumovich; KOZHUKHOV, V.K., retsenzent;
KALACHIKHIN, A.F., red.

[Design, construction, and tests of high-voltage insulators]
Raschet, konstruirovaniye i ispytaniya izoliatorov vysokogo
napriazheniya. Moskva, Energiya, 1965. 166 p.

(MIRA 19:1)

1. Nachal'nik otdela vysokikh napriazheniy Vsesoyuznogo elektro-
tekhnicheskogo instituta (for Kozhukhov).

L 22432-66

ACC NR: AP6013618

SOURCE CODE: UR/0105/65/000/011/0086/0087

AUTHOR: Birvukov, V. G.; Britchuk, V. V.; Kozhukhov, V. K.; Kravz, A. G.;
Nayashkov, I. S.; Nazarevskiy, M. I.; Panov, A. V.; Petrov, G. N.; Kabinovich, S. I.;
Sapozhnikov, A. V.

ORG: none

TITLE: E. A. Man'kin, on his 60th birthday

SOURCE: Elektrichestvo, no. 11, 1965, 86-87

TOPIC TAGS: electric engineering personnel, synchrotron

ABSTRACT: Emmanuil Abramovich MAN'KIN, who after 35 years of scientific-engineering work ranks as one of the senior workers in the transformer-building field, was 60 years old on 28 May 1965. After graduating in 1927 from the electrical machine building institute in Moscow he became an engineer of the Moscow transformer factory (presently Moskovskiy elektrozavod; Moscow Electric Factory). He constructed and headed until 1934 the transformer testing station. During the 1935-1942 period he was head of the bureau for the design of special transformers, and during these years carried out numerous theoretical investigations concerning electromagnetic transformer calculations. His methods for the calculation of transformer leakage earned

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UDC: 621.314.21

36
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L 22432-66

ACC NR: AP6013618

him the degree of candidate of engineering sciences. Between 1942 and 1947 he was deputy head of the engineering department of the factory, and since 1947, while heading the Bureau of Electromagnetic Design of the Spetsial'nyy konstruktorskiy byuro (Special Construction Bureau) he has been one of the main designers of the world's first 280 MeV synchrotron. From 1955 to 1958 E. A. MAN'KIN headed the group of designers working on the 400 kV transformer equipment of the Volgograd-Donbass power line. Since 1960 he has been head of the transformer laboratory of the Vsesoyuznyy elektrotekhnicheskii institut (All-Union Electrotechnical Institute) im. Lenin. In the same year he obtained the degree of Doctor of Engineering Sciences for his works "Electromagnetic design of transformers, reactors, and charged particle accelerators." In the course of his engineering and research activity he published more than 30 papers. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 09, 20 / SUBM DATE: none

Card 2/2 BLG

L 38256-66 EWT(m)/EWP(e) WH

ACC NR: AP6028678

SOURCE CODE: UR/0104/66/000/005/0070/0074

AUTHOR: Kozhukhov, V. K. (Candidate of technical sciences); Bogat'yeva, T. A. (Engineer); Bunereva, L. N. (Candidate of technical sciences); Pototskaya, G. B. (Engineer); Matveeva, G. L. (Engineer); Glushchenko, V. N. (Engineer)

ORG: none

TITLE: Suspended insulators for 750-Kv lines

SOURCE: Elektricheskiye stantsii, no. 5, 1966, 70-74

TOPIC TAGS: insulating material, high voltage line, glass product, glass property

ABSTRACT: New insulators made of low-alkali glass, will allow 750-kv lines to be suspended from a single chain of insulators per pole or mast, simplifying the installation of the lines. The insulators have a guaranteed electromechanical strength of 30 t. It was determined that 27-28 elements in a chain are sufficient for usage in 750 kv lines. They can also be used in case of lower voltages where high mechanical strength is required, such as river crossings, etc. The technology of hand pressing of the glass parts has been so developed that mechanized production is possible. Improvements should be made in two areas: increasing the length of the leakage path for usage in regions with high pollution and reduction of the height of the insulator and head diameter (by using cylindrical heads, rather than the conical heads now used). Orig. art. has: 5 figures and 1 table. [JPRS: 36,501]

SUB CODE: 13, 11 / SUBM DATE: none

Card 1/1/1/1/1

UDC: 621.513.624.001.5

KOZMUNOV, V. P.

28202

Скопический тип 1. дла тип правилни форм: уелен. Еришти (Vyssh.
arht. vor. uchi listokyo im. adm. nakarova). Вып. 1, 1970, с. 100-94

SC: IIRVIS NO. 34

NEMCHIKOV, Vladimir Ivanovich; KOZHUKHOV, V.P., redakter; ALEKSANDROV, L.A.,
redakter; TIKHONOV, Ye.A., tekhnicheskiy redakter.

[Determining tide factors affecting navigation] Opređenje elementov
prilivo-otlivnykh iavlenii v shturmanskoj praktike. Moskva, Izd-vo
"Morskoi transport", 1956. 80 p. (MLRA 9:5)
(Tides) (Navigation)

YUSHCHENKO, Artemiy Pavlovich, professor; ~~KOZHUKHOV, V.P.~~, otvetstvennyy
redaktor; KUZNETSOV, A.D., redaktor izdatel'stva; PETERSON, M.M.,
tekhnicheskiy redaktor

[A system of least squares] Sposob naimen'shikh kvadratov.
Leningrad, Izd-vo "Morskoi transport," 1956. 163 p. (MIRA 9:10)
(Least squares)

KOZHUKHOV, VALENTIN PETROVICH

SHCHEGOLEV, Yevgeniy Yakovlevich, professor, doktor tekhnicheskikh nauk [deceased];

KOZHUKHOV, Valentin Petrovich, redaktor; KERSHAKOV, A.V., retsenzent;

BARANOV, Yu.K., retsenznet; SANDLER, N.V., redaktor izdatel'stva;

PETERSON, M.M., tekhnicheskii redaktor

[Electronics in ship navigation] Radiotekhnicheskie sredstva
morskogo sudovozhdenia. Leningrad, Izd-vo "Morskoi transport,"
1956. 569 p. (MLRA 10:5)

(Electronics in navigation)

BARANOV, Yuriy Konstantinovich, dotsent; LESKOV, Mikhail Mikhaylovich,
dotsent; YUSHCHENKO, Artemiy Pavlovich; KOZHUKHOV, V.P., redaktor;
KUZNETSOV, D.A., redaktor izdatel'stva; PETERSON, M.M., tekhnicheskiy
redaktor

[Modern methods of navigation; a manual for captains] Sovremennyye
sposoby navigatsii; uchebnoe posobie kapitanam. Leningrad, izd-vo
"Morskoi transport," 1956. 122 p. (MLRA 10:9)
(Navigation)

Translation from: Referativnyy zhurnal, Geografiya, 1957, Nr 6,
p 88 (USSR) 14-57-6-12339

AUTHOR: Kozhukhov, V. P.

TITLE: Computation of Co-ordinates for a Radio-Raft Drifting
in the Open Sea (Raschet koordinat radiobuya, dreyfu-
yushchego v otkrytom more)

PERIODICAL: Vestn. Leningr. un-ta, 1956, Nr 8, pp 143-145

ABSTRACT: If a map drawn on a projection is given, this problem
can be solved graphically. The author presents
formulas and shows an example of an analytical solu-
tion to the problem.

Card 1/1

KOZHUKHOV, V.P.

Computing coordinates of a radio buoy drifting in the open sea.

Vest.Len.un 11 no.18:143-145 '56.

(MLRA 9:12)

(Coordinates) (Buoys)

KOZHUKHOV, V. P.

"Calculation of Coordinates of a Radio Buoy Drifting on the Open Sea," by V. P. Kozhukhov, Vestnik Leningradskoye Universiteta, Seriya Geologii i Geografii, No 18, Issue 3, 1956, pp 143-145 ✓

This article presents an analytical method, formulas and example of determining the coordinates of a radio buoy drifting at sea at some distance from the shore. Use is made of two radio bearings made on the buoy from two fixed points on the shore. (U)

Sum. 1345

NEMCHIKOV, Vladimir Ivanovich; KOZHUKHOV, V.P. spetsred.; KAMNEV, N.P.,
red.izd-va; KOTLYAKOVA, O.I., tekhnred.

[Factors of high tide in navigation] Uchet prilivov v sudovozh-
denii. Leningrad, Izd-vo "Morskoi transport," 1959. 103 p.
(MIRA 12:9)

(Tides)

(Navigation)

KOZHUKHOV, V.P., kand. geogr. nauk

Quaternary coefficient D' for cylindrical iron bars. Trudy TSNIMF
no, 23:64-66 '59. (MIRA 12:8)
(Iron--Magnetic properties)

KOZHUKHOV, V.P., dotsent; VORONOV, V.V., kand.tekhn.nauk; GRIGOR'YEV,
V.V., inzh.; ZAKHAROV, V.K., kand.fiz.-matem.nauk, retsenzent;
RYBALTOVSKIY, N.Yu., prof., spetsred.; DENISOV, K.N., red.izd-va;
DROZHZHINA, L.P., tekhn.red.

[Deviations of the magnetic compass] Deviatsia magnitnogo
kompasa. Leningrad, Izd-vo "Morskoi transport," 1960. 291 p.
(MIRA 13:11)

(Compass)

NECHAYEV, Pavel Aleksandrovich; GRIGOR'YEV, Vladimir Vasil'yevich,
inzh.; ALEKSIANDROVSKIY, V.V., dots., retsontent; KOZHUKHOV,
V.P., dots., nauchn. red.

[Magnetic compass] Magnitno-kompasnoe delo. Moskva, Trans-
port, 1964. 267 p. (MIRA 18:3)

KOZHUKHOV, V.P., dotsent, kand. geograficheskikh nauk

Radio telemetric method of determining the position of a moving vessel. Sudovozhdenie no.4:58-60 '64.

(MIPA 18:3)

1. Kafedra sudovozhdeniya Leningradskogo vysshego inzhenerenogo morskogo uchilishcha imeni admirala Makarova.

ACC NR: AP7006029

SOURCE CODE: UR/0066/66/000/007/0043/0044

AUTHOR: Kozhukhov, V. V.; Razlozhko, S. D.

ORG: Primorsko-Akhtarskiy Fish Plant (Primorsko-Akhtarskiy rybozavod)

TITLE: Experience in using GKA-2 apparatus at the Primorsk-Akhtar Fish Plant

SOURCE: Kholodil'naya tekhnika, no. 7, 1966, 43-44

TOPIC TAGS: refrigeration equipment, food preservation

ABSTRACT: The GKA-2 conveyer freezing device has been in operation since the Fall of 1964. The apparatus was supplied by the "Prodmash" plant with considerable defects in manufacture and equipment supplied, which hindered its installation and initiation of operation. Various points, such as the lubrication of the device, have been improved by the workers at the fish freezing plant. The receiving portion of the machine was strengthened with an extra support rod, and additional servicing holes were cut to provide access to difficulty accessible mechanisms. The device has considerably increased the productivity of the plant, and provides fish frozen in rectangular blocks, which facilitates further storage and processing. The fish plant has installed two additional such devices. Orig. art. has: 1 figure and 1 table. [JPRS: 38,961]

SUB CODE: 06, 13 / SUBM DATE: none

Card 1/1

UDC: 681.2:664.951.037.5

09270814

Kozhukhov, Ye. V.

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 8,
p 242 (USSR) 15-57-8-11699

AUTHOR: Kozhukhov, Ye. V.

TITLE: Optimum Drilling Conditions for Iron Shot Drills
(Optimal'nyye rezhimy bureniya chugunnoy drob'yu)

PERIODICAL: Sb. nauch. tr. Kazakhsk. gorno-metallurg. in-t, 1956,
Nr 14, pp 83-92

ABSTRACT: Recently, many specialists (Ostroushko, Zelenin and others) have been recommending use of steel shot drills. While this recommendation is correct; it should still be remembered that up to the present most of the churn drills used in hard rock are made of iron. Steel churn drills give an especially good result in drilling the hardest of rock (drilling categories XI and XII). Wider use of steel churn drills will necessitate introduction of appropriate improvements in the drilling

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15-57-8-11699

Optimum Drilling Conditions (Cont.)

technique used with churn drills made of iron. A method developed by the Central Research Standards Bureau of the Ministry of Geology and the Conservation of Mineral Resources is recommended for working out optimum drilling conditions for iron churn drills. The Research Standards Section of the Kazakhstan Geological Administration developed optimum drilling procedure for rock of categories VIII, IX and X to be used with this method. The following parameters correspond to the optimum conditions in drilling through rock of category VIII: 1) specific pressure--23 kg/sq cm; 2) disbursement of drilling liquid--34 liters/min at the beginning of the cycle and 16 liters/min at the end of the cycle; 3) peripheral speed of the drill bit--1.1 m/sec; 4) weight of shot in one drilling cycle--5 kg; 5) diameter of the shot--3 mm. Parameters of the optimum regime in drilling rock of category IX were: 1) specific pressure--20 to 25 kg/sq cm; 2) disbursement of drilling liquid--28 to 30 liters/min at the beginning of the cycle and 12 to 15 liters/min at the end of the cycle; 3) peripheral speed of the boring bit--0.75 to 0.8 m/sec; 4) weight of

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15-57-8-11699

Optimum Drilling Conditions (Cont.)

shot in one drilling cycle--9 to 12 kg; 5) diameter of the shot--
3 mm. A KAM-500 mechanism with a diameter of 91 mm was used. The
depth of the wells was up to 400 m with an angle of incline up to
75°.

Card 3/3

K. G. Volodchenko

KOZHUKHOV, Ye.V., inzhener-geolog

Results of the study of core drilling in the Dzhelkazgan and
Dzhanek deposits. Sbor.nauch.trud.KazGMI no.18:118-124 '59.
(MIRA 15:2)

(Kazakhstan--Boring)

KOZHUKHOVA, A.P.

Soils and erosion in the forested steppe zone of the Lesser Caucasus
according to the data obtained on the research plot. Trudy Inst.
pochv. i agrokhim. AN Azerb. SSR 7:197-207 '55. (MLBA 9:12)
(Lachin District--Soils) (Erosion)

KOZHUKHOVA, A.P.

Soil erosion in the Fydykh-Chay basin, Kedabek District. Izv. AN
Azerb. SSR No. 2:61-72 S 197. (MIRA 10:9)
(Fydykh-Chay Valley--Erosion)

KVASHNINA, Dar'ya Mikhaylovna; KOZHUKHOVA, D.S., red.; BOL'SHAKOVA,
L.A., tekhn. red.

[Smoking fish]Kopchenie ryby. Arkhangel'sk, Arkhangel'skoe
knizhnoe izd-vo, 1959. 58 p. (MIRA 15:12)
(Fish, Smoked)

LIBEROV, Dmitriy Dmitriyevich; KOZHUKHOVA, D.S., red.; BOL'SHAKOVA,
L.A., tekhn. red.

[Preliminary and commercial processing of sea animals in the
North; Greenland seal]Pervichnaia i zavodskaia obrabotka mor-
skogo zveria na Severe; grenlandskii tiulen'. Arkhangel'sk,
Arkhangel'skoe knizhnoe izd-vo, 1959. 76 p. (MIRA 15:12)
(Russia, Northhorn--Harp seal)

TSAPKO, Aleksandr Stepanovich; KOZHUKHOVA, D.S., red.; BGL'SHAKOVA,
L.A., tekhn. red.

[Fish preservation by refrigeration]Konservirovanie ryby kho-
lodom. Arkhangel'sk, Arkhangel'skoe knizhnoe izd-vo, 1959.
97 p. (MIRA 15:11)

(Fishery products—Preservation)
(Refrigeration and refrigerating machinery)