

KOZHOV, M. *in*

"Some Complexes of the Contemporary Fauna of Lake Baykal from the Point of View of Their Origin and Ecology," a paper read at the 13th International Limnological Congress, Helsinki, Jul-Aug, 1956.

SO: 568944

KOZHOV M.M.

Distribution of the present Baikal fauna outside of Lake Baikal.  
Trudy Kar.fil. AN SSSR no.5:39-46 '56. (MLBA 10:7)

1. Baykal'skaya biologicheskaya stantsiya Irkutskogo gosudarstvennogo universiteta imeni A.A. Zhdanova.  
(Baikal, Lake--Fresh-water fauna) (Karelia--Whitefishes)

KOZHOV, M.M.

Horizontal distribution of plankton and plankton-eating fishes  
in Lake Baikal. Trudy Baik. limnol. sta. 15:337-376 '57.  
(Baikal, Lake--Plankton) (Fishes--Food) (MLRA 10:8)

KOZHOV, M.M., prof., doktor biolog.nauk; MISHARIN, K.I., dotsent, kand. biolog.nauk. Prinsipalni uchastiye: TOMILOV, A.A., kand.biolog.nauk; POPOV, P.F., kand.biolog.nauk; YEGOROV, A.G., kand.biolog.nauk; TUGARINA, P.Ya., kand.biolog.nauk; TYUMENTSEV, N.V., nauchnyy sotrudnik; ASKHAYEV, M.G., nauchnyy sotrudnik; NIKOLAYEVA, Ye.P., nauchnyy sotrudnik; KARTUSHIN, A.I., nauchnyy sotrudnik; STERLYAGOVA, M.A., nauchnyy sotrudnik; KORYAKOV, Ye.A.; SPELIT, K.K., inzh.; ARTYUNIN, I.M., inzh.; OKUNEV, P.M.; SHNIPER, R.I., rabotnik. SHAFIROVA, A.S., red.; SOROKINA, T.I., tekhn.red.

[Fishes and commercial fishing in Lake Baikal] Ryby i rybnoe khoziaistvo v basseine ozera Baikal. Irkutskoe knizhnoe izd-vo, 1958. 745 p. (MIRA 12:4)

1. Sotrudniki Irkutskogo gosuniversiteta (for Misharin, Tomilov, Popov, Yegorov, Tugarina). 2. Sotrudnik Baykal'skoy limnologicheskoy stantsii Akademii nauk SSSR (for Koryakov). 3. Baykalrybtrest (for Spelit, Artyunin). 4. Gosplan Buryat-Mongol'skoy ASSR (for Shniper). (Baikal, Lake--Fisheries)

KOZHOV, M. K. (Irkutsk)

"Über Richtlinien und Faktoren der Evolution der Fauna des Baikalsees"

Soviet paper presented at the 15th Intl. Congress of Zoology, London, 16-23 Jul 58.

Kozhov, M. M.

AUTHOR: Lamakin, V.V.

12-90-3-13/16

TITLE: The Baykal Conference (Baykal'skoye soveshchaniye)

PERIODICAL: Izvestiya Vsesoyuznogo Geograficheskogo Obshchestva, 1958,  
Vol. 90, Nr 3, pp 300 - 301, (USSR)

ABSTRACT: A conference dealing with the investigation of Lake Baykal was convened at Ulan-Ude in October 1957 by the Baykal Section of the Buryat-Mongolian Branch of the Geograficheskoye obshchestvo SSSR (USSR Geographical Society). The conference was attended by workers from scientific and industrial institutions of the Buryat-Mongolian ASSR, the Baykal'skaya limnologicheskaya stantsiya (Baykal Limnological Station) of the AS USSR, the Siberian branch of the Vsesoyuznyy nauchno-issledovatel'skiy institut rybnogo khozyaystva (All-Union Scientific Research Institute of Fishing Industry), the Irkutsk University, the Irkutskiy sel'skokhozyaystvennyy institut (Irkutsk Institute of Agriculture) and by representatives of the KPSS Oblast' committee. The Conference heard the following reports: V.V. Lamakin, on "Nature of Lake Baykal, Its Exploration, Utilization and Protection"; P.P. Khoroshikh, on Baykal caves; Professor M.M. Kozhov, on the biological productivity of Lake Baykal; Ye.A. Koryakov, on Baykal "golomyanki"

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The Baykal Conference

12-90-3-13/16

(special perchlike fish); Dotsent N.S. Sviridov, on the Phoca factida and its protection; G.G. Martinson, on the origins of the Baykal fauna; B.R. Buytanuyev, on the utilization of Baykal natural resources; G.N. Romyantsev, on "Russian (literary) Sources on the Baykal From the XVII Century"; M.G. Bakutin, on the life of birds in the Selenga delta; T.N. Gagin on the protection of the flight itinerary of birds in eastern Siberia. The conference decided to repeat yearly conferences on the Baykal; to increase collaboration on its investigation and to take measures to protect its nature and shores.

AVAILABLE: Library of Congress

Card 2/2

1. Conferences-Lake Baykal Investigation-Ulan-Ude
2. Scientific organizations-USSR
3. Lake Baykal-Economic aspects
4. Lake Baykal-Biology

KOZHOV, M. M. (USSR)

"Über die biologische Produktivität der offenen Regionen des Baikalsees."

report submitted for the 14th Intl. Limnological Congress, Vienna, 20 Aug - 8 sept 1959.



KOZHOV, M.M.

Vertical migrations of plankton organisms occurring in large masses  
in Lake Baikal. Trudy Gidrobiol. ob-va 9:161-174 '59.  
(MIRA 12:9)

1. Baykal'skaya biologicheskaya stantsiya biologo-geograficheskogo  
nauchno-issledovatel'skogo instituta pri Irkutskom gosudarstvennom  
universitete.

(Baikal, Lake--Plankton)

• KOZHOV, Mikhail Mikhaylovich, prof.; SHAFIROVA, A.S., red.; PECHERSKAYA,  
T.I., tekhn.red.

[Lake Baikal and life in it] Baikal i ego zhizn'. Irkutsk,  
Irkutskoe knizhnoe izd-vo, 1960. 48 p. (MIRA 14:1)  
(Baikal, Lake--Limnology)

KOZHOV, M.M.; TYUMENTSEV, N.V.

Biological effects of level fluctuations in Lake Baikal. Biol.  
MOIP. Otd. biol. 65 no. 4:149-150 J1-Ag '60. (MIRA 13:10)  
(BAIKAL, LAKE—FRESH-WATER BIOLOGY)

KOZHOV, M.M.

Speciation in Lake Baikal. Biul. MOIP. Otd. biol. 65 no. 6:39-47  
N-D '60. (MIRA 14:2)

(BAIKAL, LAKE---FRESH-WATER FAUNA)

KOZHOV, M.M.; TYUMENTSEV, N.V.

Biological consequences of level variations in Lake Baikal.  
Biul. MOIP. Otd. biol. 66 no.3:32-39 My-Je '61. (MIRA 14:6)  
(BAIKAL, LAKE--LIMNOLOGY)

KOZHOV, Mikhail Mikhaylovich; GALAZIY, G.I., otv. red.; OSIPOVA, L.S.,  
red. izd-va; GUSEVA, A.P., tekhn. red.

[Biology of Lake Baikal] Biologiya ozera Baikal. Moskva, Izd-  
vo Akad. nauk SSSR, 1962. 314 p. (MIRA 15:5)  
(Baikal, Lake--Freshwater biology)

KOZHOV, Mikhail Mikhaylovich, prof.; LYSENKO, A.S., red.;  
PONOMAREVA, A.V., tekhn. red.

[Baikal and its life] Baikal i ego zhizn'. Izd.4., 1spr.  
Irkutsk, Irkutskoe knizhnoe izd-vo, 1963. 97 p.  
(MIRA 16:10)

(Baikal, Lake--Freshwater biology)

BELYSHEV, Boris Fedorovich; KOZHOV, M.M., doktor biol. nauk, otv. red.; KRICHEVSKAYA, F.I., red. izd-va; GALIGANOVA, L.M., tekhn. red.

[A guide to the dragonflies of Siberia based on imaginal and larval phases] Opređitel' strekoz Sibiri po imaginal'nym i lichinochnym fazam. Moskva, Izd-vo Akad. nauk SSSR, 1963. 112 p. (Siberia--Dragonflies) (MIRA 16:7)  
(Siberia--Insects--Development)



KOZHOV, M.M.

Diurnal rhythms in the behavior of pelagic animals of Lake Baikal.  
Izv. SO AN SSSR no.12. Ser. biol.-med. nauk no.3:105-110 '63.  
(MIRA 17:4)

1. Baykal'skaya biologicheskaya stantsiya Irkutskogo  
gosudarstvennogo universiteta.

ZENKEVICH, L.A., otv. red.; GAYEVSKAYA, N.S., red.; ZHADIN, V.I.,  
red.; KOZHOV, M.M., red.; REZNICHENKO, O.G., red.

[Ecology of invertebrates in the southern seas of the  
U.S.S.R.] Ekologiya bespozvonochnykh iuzhnykh morei SSSR.  
Moskva, Izd-vo "Nauka," 1964. 156 p. (MIRA 17:6)

1. Vsesoyuznoye gidrobiologicheskoye obshchestvo. 2. Chlen-  
korrespondent AN SSSR (for Zenkevich).

ZERKEVICH, L.A., otv. red.; GAYEVSKAYA, H.B., red.; ZHADIN, V.I.,  
red.; KOZHOV, I.M., red.; KSENICHENKO, O.G., red.

[Feeding habits of commercial marine fishes] Pitaniye morskikh protslyovyykh ryb. Moskva, Izd-vo "Nauka," 1966.  
150 p. (MIR 17:0)

I. Vsesoyuznoye gidrobiologicheskoye obshchestvo.

KOZHOV, M.M.; IZHBOLDINA, L.A.; KAPLINA, G.S.; SHAPOVALOVA, I.M.;  
CHERENKOVA, V.I.

Littoral and sublittoral benthos of Lake Baikal along the  
southeastern shore. Gidrobiol. zhur. 1 no.4:3-11 '65.  
(MIRA 18:10)

1. Baykal'skaya biologicheskaya stantsiya Irkutskogo  
gosudarstvennogo universiteta.

GOLOVANOV, Yaroslav Kirillovich, zhurnalist; MYAKUSHKOV, V.A.,  
red.; KOZHOVALYUK, I.K., mlad. red.; VILENSKAYA, E.N.,  
tekhn. red.

[Storming the bottomless expanses] Shturm bezdny. Moskva,  
Geografiz, 1963. 86 p. (MIRA 16:6)  
(Oceanography)

KOZHUKALO, V.V., red.

[Instruction for crane operators on the safe operation of motor, rubber-tired and crawler cranes] Instruktsiia dlia kranovshchikov po bezopasnoi ekspluatatsii avtomobil'nykh, pnevmokolesnykh, zheleznodorozhnykh i gusenichnykh kranov. Kiev, Gostekhizdat USSR, 1964. 21 p. (MIRA 17:6)

1. Ukraine. Komitet po nadzoru za bezopasnym vede. iyem rabot v promyshlennosti i gornomu nadzoru.

KOZHUKAROV, V.

Fractures of the femoral neck. Khirurgia, Sofia 11 no.5-6:491-492  
1958.

1. Iz Instituta za burza meditsinska pomoshch N. I. Pirogov--Sofia.  
(FEMUR NECK, fractures,  
surg. (Bul))

KOZHOVA, O.M.

AUTHOR: None Given.

30-12-37/45

TITLE: Defense of Dissertations (Zashchita Dissertatsiy)  
January - July 1957 (Yanvar' - iyul' 1957 g.)  
Section of Biological Sciences (Otdeleniye biologicheskikh nauk).

PERIODICAL: Vestnik AN SSSR, 1957, Vol. 27, Nr 12, pp. 115-117 (USSR)

ABSTRACT: At the Institute for Botany imeni V. L. Komarov  
(Botanicheskiy institut imeni V. L. Komarova). Applications for the degree of Doctor of Biological Sciences:  
P. M. Baranovskiy - Rules governing the changing of the wild "Kok-sagyz" when cultivated at conditions prevailing at Kazakhstan (Zakonomernosti izmeneniya dikogo kok-sagzya pri yego okul'turivanii v usloviyakh Kazakhstana). L. K. Klyshev - Biological bases of the utilization and cultivation of the Anabasis (Anabasis aphylla L.) (Biologicheskiye osnovy ispol'zovaniya i vvedeniya v kul'turu anabazisa (Anabasis aphylla L.). A. N. Ponomarev - Biology and Ecology of blossoming and the fecundation with pollen of the Lucerne seed as well as of grasses growing in meadows and steppes: (Biologiya i ekologiya tsveteniya i opyleniya posevnoy lyutserny i lugovykh i stepnykh zlakov). Applications for

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Defense of Dissertations  
January - July 1957  
Section of Biological Sciences

30-12-37/45

the degree of Candidate of Biological Sciences:

O.M. Kozhova - The phytoplankton of the Lake Baikal  
(Fitoplankton ozera Baykal) I. V. Makarova - Diatomer seaweed  
of the plankton of the middle and southern part of the  
Caspian Sea (Diatomovyye vodorosli planktona Srednego i  
Yuzhnogo Kaspiya). A. Ye. Matsenko - Firs of the Eastern  
hemispheres (Pikhty vostochnogo polushariya). V. A. Samylina -  
Mesozoic flora of the lower reaches of the river Aldan  
(Mezozoyskaya flora nizhnego techeniya reki Aldan).  
B. A. Tomilin - Micromycetes of the Kursk district (Mikromitsety  
Kurskoy oblasti). O. A. Foshar - The influence exercised by  
microelements on the growth, development, and the decorative  
properties of blossoming plants (Vliyaniye mikroelementov na  
rost, razvitiye i dekorativnyye kachestva tsvetochnyk rasteniy).  
K. I. Eringis - Pastures cultivated for many years in Lithuania  
(Dolgoletniye kul'turnyye pastbishcha Litvy).  
V. G. Yudin - Some ecological physiological properties of the  
germinating of maple seeds (Nekotoryye ekologo-  
fiziologicheskiye osobennosti prorastaniya semyan klena).

Card 2/6

KOZHOVA, O.M.

Horizontal distribution of plankton algae in Lake Baikal.  
Izv.vost.fil.AN SSSR no.475:226-233 '57. (MLRA 10:9)

1. Baykal'skaya Limnologicheskaya stantsiya pri Vostochno-  
Sibirskom filiale Akademii nauk SSSR.  
(Baikal Lake--Algae)

KOZHOVA, O.M.

Interrelationships of phyto- and zooplankton in the Maloye More of  
Lake Baikal, Trudy Gidrobiol. ob-va 8:278-287 '57. (MIRA 11:3)

1. Baykal'skaya limnologicheskaya stantsiya Vostochno-Sibirskogo  
filiala AN SSSR.

(Maloye More--Plankton)

KOZHOVA, O.M.

Systematic list of plankton algae in Lake Baikal and some data  
on the biology of their mass forms. Izv.Sib.otd.AN SSSR no.10:  
112-124 '59. (MIRA 13:4)

1. Vostochno-Sibirskiy filial Sibirskogo otdeleniya AN SSSR.  
(Baikal Lake--Algae)

KOZHOVA, O.M.

Phytoplankton of the Maloye More. Trudy Baik.limnol.sta.  
17:255-274 '59. (MIRA 12:12)  
(Maloye More--Phytoplankton)

KOZHOVA, O.M.

Distribution of phytoplankton in Lake Baikal. Bot.zhur. 44  
no.6:808-811 Je '59. (MIRA 12:11)

1. Baykal'skaya limnologicheskaya stantsiya Vostochno-Sibirskogo  
filiala AN SSSR.  
(Baikal, Lake--Phytoplankton)

KOZHOVA, O.M.

Waterbloom under the ice of Lake Baikal. Bot. zhur. 44 no.7:1001-1004  
Jl '59. (MIRA 12:12)

1. Baykal'skaya limnologicheskaya stantsiya Vostochno-Sibirskogo  
filiala Sibirskogo otdeleniya AN SSSR, Irkutsk.  
(Baikal, Lake--Algae)

VASIL'YEVA, G.L.; KOZHOVA, O.M.; GOSMER, N.A.; PUTYATINA, T.N.;  
MISHARINA, E.N.

Plankton of the Irkutsk Reservoir during the first years of its  
existence. Izv. Sib. otd. AN SSSR no. 10:103-113 '60.

(MIRA 13:12)

1. Irkutskiy gosudarstvennyy universitet.  
(Irkutsk Reservoir--Plankton)



KOZHOVA, O.M.

Phytoplankton of Lake Baikal in the area of Listvenichnyy Gulf and its effect on the formation of phytoplankton in Irkutsk Reservoir. Izv.Sib.otd.AN SSSR no.12:120-130 '60. (MIRA 14:2)

1. Baykal'skaya limnologicheskaya stantsiya Sibirskogo otdeleniya AN SSSR.

(Baikal Lake--Phytoplankton)  
(Angara River--Phytoplankton)

KOENIG, C.H.; F. H. HUNTER, V.J.

Conference in memory of G.W. Vernal class. by. 200. etc.  
AM SSSR no. 2:128 161. (RE A 14:10)  
(D. K. I. Lake region--Com. news)

KOZHOVA, O.M.

Periodical changes in the development of phytoplankton in lake Baikal  
(in the region of the village Listvenichnoye - Tankhoy Station -  
Peschanaya Bay). Trudy Gidrobiol. ob-va 11:28-43 '61.

(MIRA 15:1)

1. Limnologicheskiy institut Sibirskogo otdeleniya AN SSSR, pos.  
Listvenichnoye Irkutskoy oblasti.

(Baikal, Lake--Phytoplankton)

KOZHOVA, O.M.; KAZANTSEVA, E.A.

Seasonal changes in the number of bacterioplankton in the waters  
of Lake Baikal. Mikrobiologiya 30 no.1:113-117 Ja-F '61.  
(MIRA 14:5)

1. Baykal'skaya limnologicheskaya stantsiya i Irkutskiy gosudar-  
stvennyy universitet.  
(BAIKAL, LAKE—MICRO—ORGANISMS)

KOZHOVA, O. M.; NIKOLAYEVA, M. D.

Development of phytoplankton and chemical composition of waters  
in Irkutsk Reservoir during the years of its formation (1957-1958).  
Nauch. dokl. vys. shkoly; biol. nauki no.3:101-104 '62.  
(MIRA 15:7)

1. Rekomendovana kafedrami obshchey khimii i zoologii bespozvonoch-  
nykh Irkutskogo gosudarstvennogo universiteta im. A. A. Zhdanova.

(IRKUTSK RESERVOIR --PHYTOPLANKTON)  
(IRKUTSK RESERVOIR --WATER--COMPOSITION)

VASIL'YEVA, G.L.; KOZHOVA, O.M.

Plankton of Irkutsk Reservoir. Trudy Gidrobiol. ob-va 13:  
25-55 '63. (MIRA 16:11)

1. Baykal'skaya biologicheskaya stantsiya Biologo-geograficheskogo  
instituta pri Irkutskom universitete imeni A.A.Zhdanova i Limnolo-  
gicheskij institut Sibirskogo otdeleniya AN SSSR, pos. Listvenich-  
noye.

KOZHOVA, O.M.

General physico-geographical characteristics of Irkutsk Reservoir. Trudy Lim. Inst. 11:3-16 '64.

Phytoplankton of Irkutsk Reservoir. Ibid.:41-114

Bacterioplankton of Irkutsk Reservoir during the first years after its completion (1957-1960). Ibid.:115-134  
(MIRA 18:11)

KOZHUKH, B.S.

Relations between the knee joint and the joint of the fibular head.  
Ortop. travm. i protez. 21 no. 10:67-68 '60. (MIRA 14:1)  
(KNEE) (FIBULA)



KOLROKH, S.

Improving decentralized accounting of receipts from profits.  
Fin. USSR 1964 no. 8:64-68 Aug '64. (FINA. 11:4)

1. Stars by economist Ministerstva finansov RSFSR.  
(Accounting) (Finance, Public)

KOZHUKH, S.

Decentralize completely payments of deductions from profits.  
Fin. SSSR 19 no.3:49-52 Mr '58. (MIRA 11:5)

1. Starshiy ekonomist Ministerstva finansov RSFSR.  
(Russia--Industries)  
(Tax collection)

KOZHUKH, S.

What has been accomplished through auditing balances. Fin. SSSR  
20 no.6:55-56 Je '59. (MIRA 12:10)

1. Starshiy ekonomist Ministerstva finansov RSFSR.  
(Industries) (Auditing)

KOZHUKH, S.

Economists are uncovering hidden potentialities. Fin. SSSR  
22 no.8:55-56 Ag '61. (MIRA 14:8)

1. Starshiy ekonomist Ministerstva finansov RSFSR.  
(Industrial management)  
(Finance)

TITOV, K.; KOZHUKH, S., ekonomist

Participation of volunteers helps. Fin. SSSR 37 no.8:81-83  
Ag '63. (MIRA 16:9)

(Auditing and inspection)

MILLIONSHCHIKOV, Anatoliy Dmitriyevich; SOROKIN, Valentin Alekseyevich;  
KOZHUKH, Semen Arkad'yevich; TITOV, Konstantin Sergeyevich;  
FILIPPOVA, E., red.

[Deductions from profit] Otchislenia ot pribyli. Izd.3.,  
perer. i dop. Moskva, Izd-vo "Finansy," 1964. 182 p.  
(MIRA 17:6)

SOV/115-59-7-12/33

25(1), 28(1,2)

AUTHORS: Kozhukh, V.Ya., Onishchenko, N.P.

TITLE: A Device for Remote Control of Dial Balances

PERIODICAL: Izmeritel'naya tekhnika, 1959, Nr 7, pp 21-22 (USSR)

ABSTRACT: The authors designed a servo system for telemetering and recording shifts of the indicator dial needle of a balance used for weighing coke charges for blast furnaces. Usually, VK-5-RG balances of the plant "imeni Starostina" are used. The servo system was built by the authors in cooperation with K.G. Karimov, A.V. Dorokhin and Yu.V. Dokachev. It consists of an automatic bridge MSR1, selsyns BD-404A, BS-404A and self-recorders EPP-09 and EPP-120. A simplified kinematic diagram for the remote control of dial balances is shown in fig.1. The transmitter selsyn is installed on the indicator needle shaft of the balance. The receiver selsyn is installed in the automatic bridge and its stator winding is connected to an amplifier input. The principle electrical circuits are shown in fig.4. Self-recorders EPP-09 and EPP-120 may be used for recording the weight of the coke charges loaded on cars for feeding the blast furnaces. The technical specifications of

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SOV/115-59-7-12/33

A Device for Remote Control of Dial Balances

"Gipromez" require a coke weighing accuracy of  $\pm 20$ kg of the specified weight. The long-time operation of two recorders at one of the blast furnaces of the plant "Azovstal" showed that the instrument data meet this requirement. The selsyn transducers functioned during one year without any maintenance or replacements. The servo system described in this article may find application not only for recording and remote control of given weights on dial balances, but also for measuring and recording other magnitudes whose changes may be converted into angular shifts. There are 1 photograph, 1 circuit diagram, 1 diagram and 3 Soviet references.

Card 2/2



25(6)  
AUTHORS: Kozhukh, V. Ya., Temnokhud, N. N., Onishchenko, N. G. SOV/32-29-2-42/78

TITLE: An Attempt to Make Use of Optico-Acoustical Gas Analyzers  
(Opyt ekspluatatsii optiko-akusticheskikh gazoanalizatorov)

PERIODICAL: Zavodskaya Laboratoriya, 1959, Vol 25, Nr 2,  
pp 215 - 218 (USSR)

ABSTRACT: In the "Azovstal'" plant a pilot unit for the continuous determination of the CO, CO<sub>2</sub>, and H<sub>2</sub> contents of blast furnace gas has been erected. The unit consists of optico-acoustical gas analyzers, filters intended to remove dust and "aggressive" impurities, as well as flow regulators for the supply of the solutions to the filters and for the gas filtration proper. Both the unit and the underlying principle have already been described (Ref 1). It was found that some of the auxiliary arrangements are not necessary for work in connection with blast furnaces. The modification of the unit (Fig 1) is now being used with all the furnaces in the plant. It has the following measuring ranges: 0-35% for CO, 0-15% for CO<sub>2</sub>, and 0-10% for H<sub>2</sub>. In order to increase the accuracy of measurements

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An Attempt to Make Use of Optico-Acoustical Gas Analyzers SOV/32-25-2-42/78

the CO, CO<sub>2</sub>, and H<sub>2</sub> scales were modified by the L'vovskiy politekhnicheskiy institut (L'vov Polytechnic Institute) (CO 25-35%, CO<sub>2</sub> 7-15%, H<sub>2</sub> 0-5%), and the potentiometer wiring (Fig 2) as well as the resistance of the rheochord of the unit (Fig 3) were changed accordingly. The operation of the gas analyzers and the reproducibility of the results (Table 2) were checked by means of check mixtures (Table 1). In 1957 optico-acoustical industrial gas analyzers of the types OA 2104 (for CO), OA 2204 (for CO<sub>2</sub>), and TP-1110 (for H<sub>2</sub>) were introduced for use with all blast furnaces of the "Azovstal'" plant. The types mentioned above differ from the experimental models by the method of measurement of the amount of gas supplied. The apparatuses are described in references. The results of the testing of gas analyzers are given (Table 3). Moreover the relative advantages and drawbacks of the latter apparatuses and those mentioned above are pointed out. It is also stated that it will be necessary to set up expert teams for the assembly and erection of analytical apparatuses for metallurgical works. These should be formed in the works by KIP and the avtomatika (Auto-

Card 2/3

An Attempt to Make Use of Optico-Acoustical Gas Analyzers SOV/32-25-2-42/78  
mation). There are 3 figures, 3 tables and 3 Soviet references.  
ASSOCIATION: Zavod "Azovstal'" (Azovstal'" Plant)

Card 3/3

KOZHUKH, V.Ya.; ONISHCHENKO, H.P.

Measuring and regulating the weight of coke feed. Metallurg 5 no.11:  
10-11 N '60. (MIRA 13:10)

1. Zavod "Azovstal".  
(Blast furnaces--Equipment and supplies)  
(Governors (Machinery))

KOZHUKH, V.Ya.

High frequency communications with travelling electric cranes.  
Biul.TSIICHM no.9:44-45 '60. (MIRA 15:4)

1. Zavod "Azovstal".  
(Electric cranes—Communications systems)  
(Microwave communication systems)

KOZHUKH, V. Ya., inzh.

Continuous signaling system for multipoint bridges and potentiometers. Priborostroenie no.6:29 Je '61. (MIRA 14'6)  
(Electric controllers)

KOZHUKH, V.Ya.

Automatic measurement of minor differences of temperatures.  
Izvm.tekh. no.11:27-29 N '61. (MIRA 14:11)  
(Thermometry)

KOZHUKH, V.Ya.; KAMINSKIY, G.P.; RATNER, Yu.Z.

Arrangement for the control of large bell performance in blast furnaces. Metallurg 7 no.6:9-11 Je '62. (MIRA 15:7)

1. Azovskiy staleplavil'nyy zavod im. Sergo Ordzhonikidze v Zhdanove.

(Blast furnaces--Equipment and supplies)



KOZHUKH, V.Ya.; ONISHCHENKO, N.P.

Instrument for automatic measurement and regulation of the  
relation of two values. Izv.tekh. no.9:19-21 S '62.

(MIRA 15:11)

(Electronic instruments)

KOZHUKH, V.Ya.

Simple transistor thermorelays. Izv.tekh. no.8:39 Ag '62.  
(MIRA 16:4)

(Thermoelectric apparatus and appliances)

KULIKOV, Ya. P., inzh.; SOROKIN, V. A., doktor tekhn. nauk;  
PLISKANOVSKIY, S. T., inzh.; GULYGA, D. V., inzh.;  
KAMINSKIY, G. P., inzh.; KOZHUKH, V. Ya., inzh.

Automatic control of thermal conditions in blast furnaces. Met.  
i gornorud. prom. no.1:6-10 Ja-F '63. (MIRA 16:4)

(Blast furnaces)  
(Automatic control)

KOZHUKH, V.Ya.

Selecting the size of the thermistor for remote temperature measurement. Izv. tekhn. no.6:18-20 Je '63. (MIRA 16:8)

(Thermistors)

S/0119/64/000/003/0009/0010

ACCESSION NR: AP4022902

AUTHOR: Kozhukh, V. Ya. (Engineer)

TITLE: On the accuracy of temperature measurement by the thermal resistance of semiconductors

SOURCE: Priborostroyeniye, no. 3, 1964, 9-10

TOPIC TAGS: semiconductor, thermal resistance, temperature measurement, semiconductor thermal resistance, Wheatstone bridge, balanced bridge temperature measurement

ABSTRACT: The article is a discussion of the effect of a change in the conductivity of the insulation of connecting lines on the accuracy of temperature measurement by the thermal resistance of semiconductors. The value of the resistance  $R_{T1}$  at a temperature  $T_1$  and  $R_{T2}$  at a temperature  $T_2$  and the change in thermal resistance  $\Delta R_T$  in the given  $T_2$  range of temperature changes are determined according to the formulas

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$$\left. \begin{aligned} R_{T1} &= R_{T20} \exp\left(\frac{B}{T_1} - \frac{B}{293}\right) = \alpha R_{T20}; \\ R_{T2} &= R_{T20} \exp\left(\frac{B}{T_2} - \frac{B}{293}\right) = \beta R_{T20}; \\ \Delta R_T &= R_{T1} - R_{T2} = (\alpha - \beta) R_{T20} = \gamma R_{T20}, \end{aligned} \right\} (1)$$

where  $B$  is a constant in  $^{\circ}\text{K}$  depending on the properties of thermal resistance of the semiconductor. The measuring systems are designed according to these formulas. The actual values of the resistance  $R$  (fig. 2 of the enclosure 01) of the thermal data unit and the line connected to the measuring device are equal to

$$\left. \begin{aligned} R_{p1} &= \frac{R_{T1} R_u}{R_{T1} + R_u}; \\ R_{p2} &= \frac{R_{T2} R_u}{R_{T2} + R_u}; \\ \Delta R_p &= R_{p1} - R_{p2}, \end{aligned} \right\} (2)$$

where  $R_u = 1/G$  is the resistance of the insulation of the line in ohms. The error in measurement at the point with temperature  $T_1$  is determined by the formula

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ACCESSION NR: AP4022902

$$\delta = \frac{R_{T1} - R_{p1}}{R_{T1} - R_{T2}} 100\% = \frac{R_{T1} - R_{p1}}{\Delta R_T} 100\%. \quad (3)$$

A table (enclosure 03) is given for the error in temperature measurement in relationship to the value of (the ratio of the resistance of the line insulation to the rated thermal resistance) according to the formula (9)

$$\delta = \frac{\alpha^2 (\beta + \gamma)}{\psi \gamma^2} 100\%, \quad (9)$$

at:  $R_1 \rightarrow \infty$ 

$$\text{where } \gamma = \frac{R_H}{R_{T20}}$$

for the following data:  $T_1 = 273 \text{ K}$ ,  $T_2 = 323^\circ \text{K}$ ,  $B = 3000^\circ \text{K}$ ,  $\alpha = 2.12$ ,  $\beta = 0.39$   
 $\psi = 1.73$  and according to formula (8)

$$\frac{2(\psi - 1)(\beta + \gamma)}{\psi \gamma (\alpha + \psi \gamma)} 100\%; \quad (8)$$

for the same data and one fifth the resistance ( $\psi = 0.2$ ). Orig. art. has:  
 2 figures, 9 formulas and 1 table.

Card: 3/7

KOZHUKH, V.Ya., inzh.

Controlling heat losses in a blast furnace. Sta.' 25  
no.4:298-301 Ap '65. (MIRA 18:11)

1. Zavod "Azovstal".



BEZBORODOV, M.A., akademik; YERMOLENKO, N.N., kand.tekhn.nauk;  
Prinimali uchastiye: KOZHUKH, V.Ye.; AKULICH, S.S.

Glasses for penicillin flasks. Sbor. nauch. trud. Bel.  
politekh. inst. no.82:34-37 '60. (MIRA 15:5)

1. Akademiya nauk BSSR (for Bezborodov).  
(Glass containers)  
(Penicillin)

IL'IN, I. I., kand. med. nauk; KOZHUKHAR', A. V.; BURSHTEYN, Yu. Ya.

Changes in the clinical picture and course of recent gonorrhoea  
in males. Vest. dermat. i ven. 34 no.1:63-66 Ja '60.  
(MIRA 14:12)

(GONORRHEA)

KOVALEV, I.M., inzh.; KOZHUEVAR', G.I., inzh.

Annealing malleable cast iron in continuous electric furnaces  
with a protective atmosphere. Mashinostroenie no.1:70 Ja-F '65.  
(MIRA 1844)

KOCHUKHAR', I.F.

Physicochemical properties of bottom sediments in small reservoirs  
of Maldivia. Biol. res. vol. 1961. no. 10. 1961. 162.

(MIRA 18:10)

LAVROVCHENKO, Ye. M.; KALYUSHNAYA, L. S.; KOCHUKHAR', I. G.

Actinomyces of the root system of the apple tree. *Microbiologia*  
*Ekologia* 34 no.5:376-382 3-0 '65. (XERO COPY)

1. *Karyotaxya agrobacterales* a *dissemination*.

KHILAS, V.P.; KUMAR, K.L.; MURTHY, S.P. [Sanskrit, I.P.]

Recording of myoelectric activity using a tensorator and differential amplifier.  
Fiziol. zhur. [Ukr.] 9 no.2:271-276 Apr-May '63.

L. Institut fiziologii im. Bogomoletsa AN UkrSSR.

KOZHUKHAR', P.V.

Some problems in using industrial equipment at the stone  
industry enterprises in the Moldavian S. S. R. Izv. AN Mold.  
SSR no.2:24-35 '62. (MIRA 15:12)  
(Moldavia--Stoncutting)

KOZHUKHAR', P.V.

Efficiency of various types of quarrying machines used in open work-  
ings. Izv. AN Mold. SSR no.8:64-76 '61. (MIRA 17:6)



6 (5)

307/107-59-3-35/52

AUTHOR: Kozhukhar', V.

TITLE: Vulcanization of Rubber Drive Belts (for Tape Recorders)  
(Vulkanizatsiya rezinovykh passikov)

PERIODICAL: Radio, 1959, Nr 3, p 42 (USSR)

ABSTRACT: The ends of tape recorder rubber drive belts may be joined by vulcanizing. A rubber solution is produced by dissolving raw rubber in gasoline and applying it to the ends cut at an angle of 20-25 degrees. The joint is wrapped in two paper layers which are covered by a copper foil or sheet metal. The joint is then heated at 135-140 degrees for about 15-20 minutes.

Card 1/1

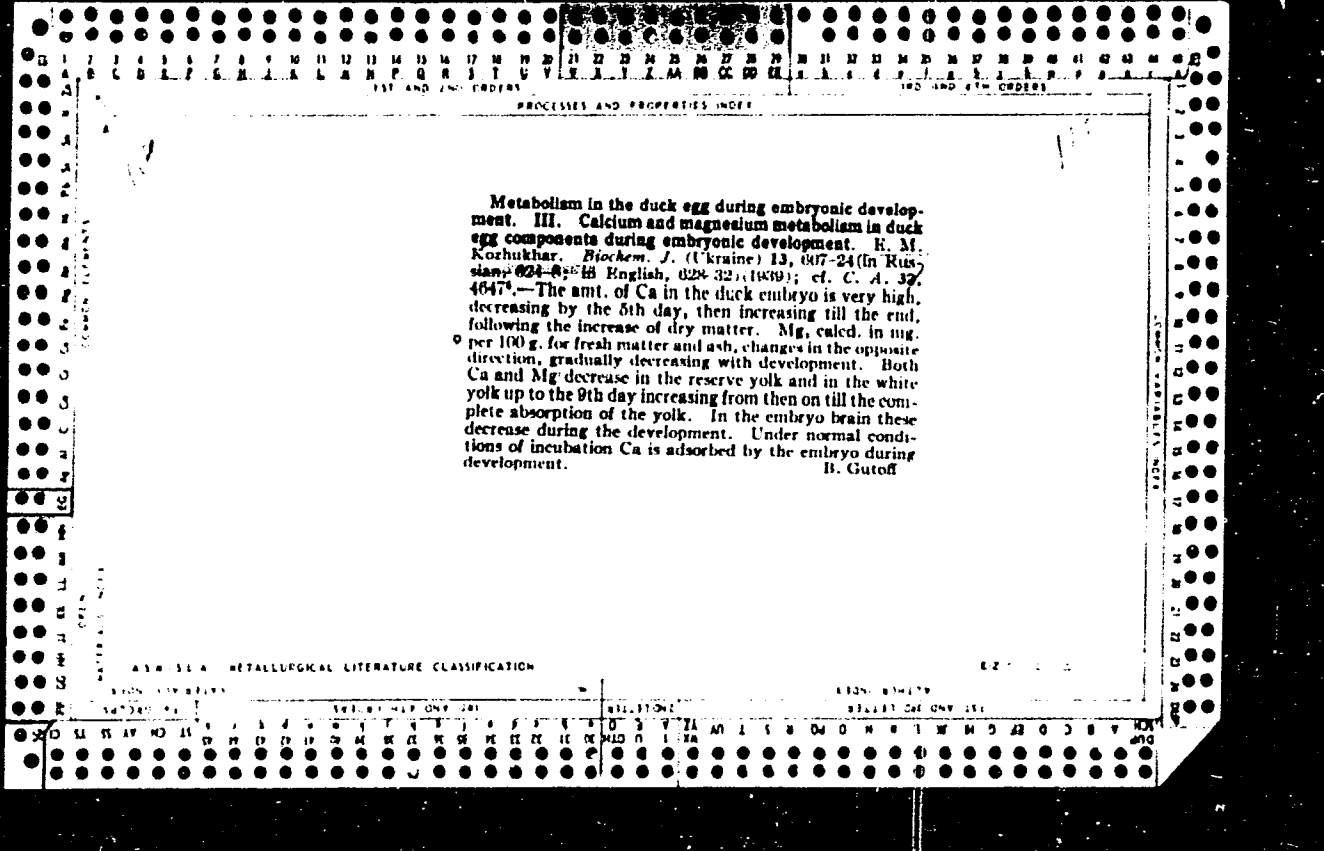
PROCESSES AND PROPERTIES INDEX

11 F

*Ca*

**Metabolism in the duck egg during embryonic development. II. Metabolism of total ash in the duck egg during embryonic development.** E. M. Kozhukhar. *Biochem. J.* (Ukraine) 10, (68) 827 in Russian 1983-7, in English (88-93) (1987).--In the shell, the total ash content diminished during the course of the embryonic development of the egg. In embryos, on the basis of fresh matter, it diminished up to the 5th day and increased from there on to the end of embryonic development. On the basis of dry matter, the reverse was observed. The total ash of the reserve yolk decreased up to the ninth day, was const. or decreased slightly from the 9th to the 17th day and decreased from the 17th day. The total ash of the white part of the yolk decreased in general. The yolk sac showed an increase in the weight of ash, the percentage of ash per fresh and dry matter showed a small decrease up to the 5th day, an increase up to the 17th day, and then a decrease. In the whole yolk the total ash increased in percentage and in total amt. at the expense of the albumin ash, after which it continually decreased to complete assimilation. All 3 components of the yolk are brought by oxidation processes to a point of weak alkyl. In the total albumin of the egg, the percentage of ash per dry residue decreased continually up to the 21st day, except that on the 17th day a slight rise was noted. A large decrease took place on the 9th day; this indicates that the water and electrolytes of the albumin are absorbed from the yolk by the embryo during the early stages of development. The change of the percentage of total ash indicates that the amniotic fluid acts as a buffer necessary to the embryo as a protection from shocks, etc. The total ash per dry matter in the brain of the embryo decreased considerably during the whole period of development. After hatching, it decreased 50% up to the fourth day and was then const. up to the 12th day. The embryo on hatching has a greater ash content than at the beginning of development. A part of the difference is accounted for by the ash of the shell, and the rest by the ash of the allantoic and amniotic fluids and their membranes. Osmotic pressure also plays an important part in the processes taking place. E. E. S.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION



1ST AND 2ND ORDERS      3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

CA

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**Metabolism in the eggs of domestic birds during embryonal development. I. Metabolism in duck egg during embryonal development. B. M. Kozhukhar. *Avichim. J. (Ukraine)* 14, 481-95 (in Russian, 496-8; in English, 498-500) (1940).**—The duck egg H<sub>2</sub>O metabolism with artificial incubation depends on the relative humidity. Best results are obtained with an initial humidity of 65-68%, raising it to 70 toward the end. The normal av. drop in the wt. of the egg is 8.6%, depending on the variety of bird, size and other factors. In the first 12 days the embryo uses most of the white yolk, the white supplying the bulk of the H<sub>2</sub>O. The entire white is assimilated up to the 21st day, after which the reserve, yellow, yolk is used up. The embryo starts with 65% H<sub>2</sub>O, raising it to 95.9 on the 4-5th day, then gradually dropping to 77-79%. The amniotic liquid is more than a buffer against mech. shocks. The difference in the percentage of healthy ducklings shows it to possess definite biol. functions. It increases up to the 17th day, and dries up by the time of hatching. During this period the H<sub>2</sub>O in the muscle tissue is lower than that of the brain, and higher than that of the whole embryo. B. Gutoff

COMMON ELEMENTS

MATERIALS INDEX

COMMON ELEMENTS

MATERIALS INDEX

A S A - S L A METALLURGICAL LITERATURE CLASSIFICATION

SIGNATURE

SIGNATURE

SERIALS

SERIALS

C O L U M N S

C O L U M N S

KOZHUKHAR, YE.M.

KOZHUKHAR, Ye.M., fel'dsher (selo Rakovets, Moldavkaya SSR)

How we liquidated malaria in our village. Fel'd. i akush. no.7:  
45-46 J1 '54. (MLRA 7:7)

(MALARIA, prevention and control  
\*Russia, rural area)

KOZHUKHAR, Ye.M.

Activation of amylase in human blood and saliva by vitamin C. Ukr.  
biokhim.zhur. 26 no.1:60-65 '54. (MLRA 7:4)

1. Kafedra Khimii ta biokhimii Kiivskogo derzhavnogo institutu fizich-  
noi kulturi

(Amylase) (Vitamins)

KOZHUKHAR, Ye.M., fel'dsher (selo Rakovets Moldavskoy SSR)

Hospital delivery in a village. Fel'd.i akush. no.5:39-40 My '55.  
(OBSTETRICS, (MLFA 8:7)  
in Russia, in villages)  
(RURAL CONDITIONS,  
obstetrics serv. in Russia)

~~KOZHUKHAR, Ya. M.~~ fel'dsher (selo Rakovets Moldavskoy SSR)

Our practice in preventing and treating complications following  
measles in outpatients. Fel'd. i akush. 21 no.9:32-34 S '56.  
(MEASLES) (MLRA 9:10)



*Kozhukhar, E.M.*

USSR/Human and Animal Physiology - Physiology of Labor and Sports.

V-10

Abs Jour : Ref Zhur - Biol., No 4, 1958, 18716

Author : E.M. Kozhukhar

Inst : The Kiev Institute of Physical Culture.

Title : Metabolic Reactions in the Pre-game Period and Their Regulation.

Orig Pub : Tr. Kiyevsk. in-ta fiz. kul'tury, 1957, 2, 111-114

Abstract : No abstract.

Card 1/1

KOZHUKHAR, Ye.M.

Effect of exercise on the amount of saliva and its amylolytic activity [with summary in English]. Fiziol.shur.[Ukr.] 3 no.2: 91-95 Mr-Apr '57. (MLRA 10:6)

1. Kiivs'kiy institut fizichnoi kul'turi, kafedra biokhimi.  
(SALIVA) (EXERCISE) (DIASTASE)

*L. KOZHUKHAR, Ye. M.*

KOZHUKHAR, Ye.M., fel'dsher (selo Rakovets Moldavskoy SSR)

Preventive inoculation against rabies at a rural feldsher-midwife station. Fel'd. i akush. 22 no.8:48-50 Ag '57. (MIRA 10:12)  
(RABIES--PREVENTIVE INOCULATION)

KOZHUKHAR, M.M. [Kozhukhar, I.E.M.]

Effect of vitamin B<sub>1</sub> on the sugar content and amylase activity  
of human blood. Ukr.biokhim.zhur. 31 no.1:134-137 '59.  
(MIRA 12:6)

1. Department of General and Biological Chemistry of the  
Kiyev State Institute of Physical Culture.  
(VITAMINS--B) (BLOOD SUGAR) (AMYLASE)

KOZHUKHAR', Ye.M.

On the biological significance of amylase in muscle activity. Biol.  
eksp.biol.i med. 47 no.8:61-63 Ag '59. (MIRA 12:11)

1. Iz kafedry obshchey i biologicheskoy khimii Kiyevskogo instituta  
fizicheskoy kul'tury. Predstavlena deystvitel'nyy chlenom AMN SSSR  
S.Ye. Severinym.

(AMYLASE metab.)  
(MUSCLES metab.)

KOZHUKHAR', Ye.M. [Kozhukhar, IE.M.]

Effect of water in different temperatures on the amylolytic properties of human blood and saliva and the effectiveness of physical exercise. Fiziol. zhur. [Ukr.] 6 no.6:764-769 N-D '60.

(MIRA 14:1)

1. Department of General and Biological Chemistry of the Institute of Physical Culture, Kiev.

(BATHS)

(AMYLASE)

(TEMPERATURE—PHYSIOLOGICAL EFFECT)

(EXERCISE)

KOZHUKHAR', Ye.M.

Problem of the influence of atropine on salivary gland function and the amylase level in the blood in man. Fiziol. zhur. 46 no. 5:559-560 My '60. (MIRA 13:12)

1. From the Chair of Biochemistry of the Institute for Physical Culture, Kiev.

(ATROPINE) (AMYLASE) (SALIVARY GLANDS)

KOZHUKHAR', YE. M., Doc Bio Sci, <sup>W</sup> AMYLOLYTIC PROPERTIES  
OF <sup>human</sup> THE SALIVA AND BLOOD ~~OF HUMAN~~ IN MUSCULAR ACTIVITY. (RE-  
ACTION OF THE ORGANISM TO PHYSICAL EXERCISES AND THE IN-  
TRODUCTION OF VITAMINS C AND B<sub>1</sub>). KIEV, 1961. (MIN OF  
HIGHER AND SEC SPEC ED UKSSR. KIEV ORDER OF LENIN STATE  
UNIV IM T. G. SHEVCHENKO). KL, 2-61, 202).



КОЗНУН Д.

EXCERPTA MEDICA Sec 18 Vol. 2/8 Cardio Aug 58

2440. *Can the electrocardiogram furnish signs of the immediate prognosis in myocardial infarction (Bulgarian text) KOZHNUN D. Inst. for Urgent Med. Assist. 'N.I. Pirogov', Sofia Sov. Med. 1957, 8, 7 (36—42)*

Studying and analysing the histories of 80 patients with a clinical diagnosis of myocardial infarction and 200 ECGs taken from the same patients in the acute and subacute periods of the disease, the author discusses the possibilities of extract from the ECG signs related to the immediate prognosis of the disease. He establishes that there is a certain correlation between the character of the clinical course and the outcome of the disease in the acute and subacute stage of myocardial infarction on one side and the ECG changes registered in the respective forms of the disease on the other. It is concluded, therefore, that the ECG changes are valuable signs in the evaluation of the prognosis of these patients. It is pointed out that one should not rely upon ECG data only and that the prognosis for each patient should be based upon the complex analysis of the ECG together with the clinical signs and symptoms and the laboratory findings. (XVIII, 6)

KOZHUKHAROV, D.

Treatment of attacks of paroxysmal tachycardia with acetylcholine administered intravenously. Suvrem. med., Sofia 8 no.7:43-46 1957.

Iz Instituta za burza meditsinska pomoshch N.I. Pirogov - Sofia  
Gl. lekar: B. Devetakov.

(TACHYCARDIA, PAROXYSMAL, ther.  
acetylcholine, intravenous)

(ACETYLCHOLINE, ther. use  
paroxysmal tachycardia, intravenous admin.)

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, I.; MAVRUDCHIEV, B.; KOZHUKHAROVA, E.

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

VERGILOV, V.; KOZHUKHAROV, D.; MAVRUDCHIEV, B.

Notes on the Western Rhodope Mountains batholith and its contact  
mantle. Izv Geol inst BAN no.9:153-195 '61.

L 40940-66

ACC NR: AP6030991

SOURCE CODE: BU/0015/66/027/001/0051/0062

AUTHOR: Kozhukharov, D.

12  
B

ORG: NIGI

TITLE: Precambrian metamorphous ultrabasic and basic magmatites in the central Rhodope region

SOURCE: Bulgarsko geologicheskno druzhestvo. Spisanie, v. 27, no. 1, 1966, 51-62

TOPIC TAGS: paleontology, geology ✓

ABSTRACT: The author analyzes in details the magmatites discovered earlier (D. Kozhukharov, Geofond NIGI, 1963) which became metamorphous within the adjacent rocks during the Proterozoic. They form a rootless, egg or lens-shaped intrusions but may be found also as channels or plane-parallel layers with partial transverse contacts. The paper gives a detailed physical and chemical properties of the three main groups of Orthoamphibolites separated out during the analysis. According to the results, there should appear in Southern Bulgaria at least three times ultrabasic to basic magmatic formations of which one occurrence dates from the Archeozoic, the second from the Proterozoic (comprizing the just mentioned orthoamphibolites), and the third from the Lower Paleozoic. Orig. art. has: 3 figures and 2 tables. [JPRS: 36,844]

SUB CODE: 08 / SUBM DATE: 04May65 / ORIG REF: 007 / SOV REF: 006

Card 1/1 MLP

091K 1967

KOZHUKHAROV, Ivan, st. nauch. sutr. po bubarstvo (Sofia)

World production of textile fibers, and prospects artificial  
silk consumption. Tekstilna prom 13 no. 2:38-39 '64.

KOZHUKHAROV, I.

TECHNOLOGY

Periodical LEBA PROMISHLEENOST. TEKSTIL. Vol. 7, no. 9, 1958.

KOZHUKHAROV, I. The Sixth International Congress on Silk. p. 38.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 3, March, 1959. Uncl.



KOZHUKHAROV, I.

"Concerning the processing of the yellow crossbred cocoons"

Leka Promishlenost. Tekstil. Sofia, Bulgaria. Vol.7, no. 10, 1958

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

L 20722-66

EPF(n)-2/EWP(j)/EWP(k)/EWT(d)/EWT(l)/EWT(m)/EWP(h)/ETC(f)/EWG(m)/T/EWP(l)/EWP(e)/  
ACC NR: AP6007826 SOURCE CODE: UR/0120/66/000/001/0139/0143  
EWP(v) IJP(c) AT/RM/WH/DJ

AUTHOR: Kozhukhov, I. V.; Muratov, Yu. V.; Rashevskiy, V. P.; Ryl'tsev, P. I.;  
Sarantsev, V. P.; Smirnov, Ye. V.

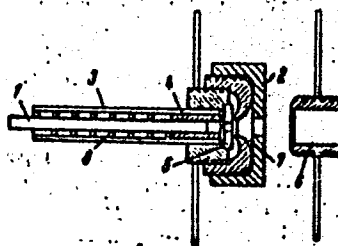
ORG: Joint Nuclear Research Institute (Ob'yedinennyy institut yadernykh issledovaniy)

TITLE: Use of a plasma gun for producing high electron-current peaks

SOURCE: Pribery i tekhnika eksperimenta, no. 1, 1966, 139-143

TOPIC TAGS: plasma gun, pulse shape

ABSTRACT: A new plasma-gun electron source (see figure) consists of three electrodes: discharge electrode 1, diaphragm 5, and extraction electrode 6 mounted on two stainless-steel disks. Flexiglas bushing 4 (active material) is fed by spring 8 toward the gap as the bushing end is burned up. The discharge electrode is insulated by porcelain bushing 3. The tungsten diaphragm has a 1-mm port. Insulated cathode 2 is intended for improving the extraction conditions and focusing; its insulation is designed to withstand a working voltage of 30 kv. The



plasma-gun electron source

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55  
B

Card 1/2

UDC: 621.384.623

L 20722-66

ACC NR: AP6007826

stainless-steel cylindrical extraction electrode is grounded. When a +17-kv "trigatron" pulse is applied to the discharge electrode, a spark to the diaphragm evaporates some of the plexiglass and forms a plasma in chamber 7. An electric field extracts electrons from the plasma. An electron current of 200 amp was produced in 0.15-0.2-msec peaks when a constant d-c voltage was used for extraction. With a pulse extraction voltage (provided by a capacitor), an electron-current peak of 1 ka  $10^{-6}$  sec has become possible. "In conclusion, the authors wish to thank P. F. Chernyayev for his great contribution to the construction of the experimental outfit."

Orig. art. has: 7 figures.

[03]

SUB CODE: 09 / SUBM DATE: 21Jul64 / ORIG REF: 002 / AID PRESS: 4223

Card 2/2

KOZHUKHAROV, M.; GUDDEV, N.

Separation of trivalent iron ions and phosphoric acid by  
ion exchange. Zhur. anal. khim. 18 no.2:280-282 F '63.

(MIRA 17:10)

1. Georgy Dimitrov Agricultural Institute, Sofia, Bulgaria.