BELYY, I.I.; MAKAROV, I...

Electric device for automatic recording of functional relationship
curves. Priborostroenie no.11:9-11 N '61.   (MIRA 14:10)
    (Magnetic recorders and recording)

BROVAR, V.V.; YEREMEYEV, V.F.; MAKAROV, N.P.; PELLINEN, L.P.; SHIMBIREV, B.P.;
YURKINA, M.I.

Determining the external gravitational field and the figure of the
earth. Geod. i kart. no.10:74-76 O '63.   (MIRA 16:12)

MAKAROV, NIKOLAI PAVLOVICH

MAKAROV, NIKOLAI PAVLOVICH. Organizatsiia sel'skogo khoziaistva. Trudy nauchno-issledovatel'skogo instituta s.-kh. ekonomii. Moskva, Ekonomicheskaia zhizn', 1926. xix, 565 p.   "Kratkii ukazatel' russkoi literatury": p. 562-565.   CSt-H   NN
DLC: Unclass.

SO: LC, Soviet Geography, Part I, 1951, Uncl.

Name: MAKAROV, Nikolay Pavlovich

Dissertation: Basic problems of economics and organization of Socialist Agriculture in the Donets Basin

Degree: Doc Economical Sci

Affiliation: Voronozh Agr Inst

Defense Date, Place: 28 May 56, Council of Dept of Social Sci, Acad Sci UkSSR

Certification Date: 26 Mar 57

Source: BMVO 14/57

MAKAROV, Nikolay Pavlovich.

[Economics and organization of agriculture in the Donets Basin]
Ekonomika i organizatsiia sel'skogo khoziaistva Donbassa. Moskva,
Gos.izd-vo selkhoz. lit-ry, 1957. 389 p.   (MIRA 11:3)
          (Donets Basin--Agriculture)

ANAN'YEVA, L.F.; KRASNOV, V.D.; ALTUNINA, T.M.; MAKAROV, N.P., doktor
ekon. nauk, prof., otv. red.

[Ways of developing agriculture in the Altai; problems in the
distribution and specialization of collective farm production]
Puti razvitiia sel'skogo khoziaistva Altaia; voprosy razme-
shcheniia i spetsializatsii kolkhoznogo proizvodstva. Moskva,
Izd-vo Akad. nauk SSSR, 1962. 214 p.   (MIRA 16:2)

1. Akademiya nauk SSSR. Sovet po izucheniyu proizvoditel'nykh
sil   (Altai Territory—Agriculture—Economic aspects)

AREF'YEV, T.I., kand. ekon. nauk; BRASLAVETS, M.Ye., prof., doktor ekon. nauk; BROZGUL', M.M.; VLASOV, N.S., prof., doktor ekon. nauk; DUBROVA, P.F., doktor ekon. nauk; YESAULOV, P.A., kand. sel'khoz. nauk; ZAL'TSMAN, L.M., prof., doktor sel'-khoz. nauk; KALIM, P.A., dotsent, kandidat sel'sko-khoz. nauk; KOSTSELETSKIY, N.A. kand. ekon. nauk; KRYLOV, V.S., kand. sel khoz. nauk, LIBKIND, A.S., dots., kand. ekon. nauk; MAKAROV, N.P. prof., doktor ekon. nauk; OGLOBLIN, Ye.S., kand. sel'khoz. nauk; POLOVENKO, S.I., kand. ekon. nauk; POPOV, S.A., dots., kand. ekon.nauk; SAPIL'NIKOV, N.G., doktor ekon. nauk; TISHCHENKO, G.A., prof., kand. ekon. nauk; TYUTIN, V.A., prof., doktor ekon. nauk YANYUSHKIN, M.F., kand. ekon. nauk; PYLAYEVA, A.P, red ; FREYDMAN, S.M., red.; SOKOLOVA, N.N., tekhn. red

[Organization of socialist agricultural enterprises] Organiza-tsiia sotsialisticheskikh sel skokhoziaistvennykh predpriiatii; kurs lektsii Moskva, Sel khozizdat, 1963. 662 p.
(MIRA 16:8)

1. Zaveduyushchiy otdelom ekonomiki Vsesoyuznogo nauchno-issledovatel'skogo instituta sakharnoy svekly (for Aref'yev).
2. Odesskiy sel'skokhozyaystvennyy institut (for Braslavets).
(Continued on next card)

AREF'YEV, T.I.—— (cc...)

3. Moskovskaya se...a...x...ay...vennaya akademija im. K.A.Ti-
miryazeva ...r V...e... ..ivi...niy otdelom ekonomiki
i organizatsii Nauchno-issledovatel skogo instituta sadovod-
stva im. I.V Michurina (for Dubrova). 5. Moskovskiy Gosudar-
stvennyy universitet im. M.V.Lomonosova (for Zal'tsman,
Polovenko) 6. Zaveduyushchiy kafedroy organizatsii sel'sko-
khozyaystvennogo proizvodstva Leningradskogo sel'skokhozyay-
stvennogo instituta (for Kai... 7. Zaveduyushchiy otdelom
ekonomiki Nauchno-issledovatel skogo instituta ovoshchnogo
khozyaystva (for Kostseletskiy) 8. Vsesoyuznyy nauchno-
issledovatel skiy institut ptitsevodstva (for Krylov).
9. Moskovskiy ekonomiko-statisticheskiy institut (for Libkind).
10. Vsesoyuznyy sel skokhozyaystvenniy institut zaochnogo ob-
razovaniya (for Makarov) 11. Zaveduyushchiy otdelom ekonomiki
Krasnodarskogo nauchno-issledovatel skogo instituta sel'skogo
khozyaystva (for Oglobin). 12. Kafedra organizatsii sel'sko-
khozyaystvennogo proizvodstva Leningradskogo sel'skokhozyay-
stvennogo instituta (for Popov) 13. Zaveduyushchiy kafedroy
Sovetskoy ekonomiki Vysshey partiynoy shkoly (for Sapil'nikov).
14. Voronezhskiy sel skokhozyaystvennyy institut (for Tishchenko).
15. Leningradskiy sel skokhozyaystvennyy institut (for Tyutin).
16. Direktor Severo-Kavkazskogo filiala Vsesoyuznogo nauchno-
issledovatel'skogo instituta ekonomiki sel'skogo khozyaystva (for
Yanyushkin).

(Agriculture--Economic aspects)

BEL'SKIY, V.I.; BORISOV, V.V.; VOLYNTSEV, V.A.; GOYKOLOV, Ye.P.; ZHOVNI-
ROVSKIY, N.V.; ISSERS, A.Ye.; MAKAROV, N.S.; ROTNITSKIY, M.L.;
TRIM'KOV, B.P.; TROITSKIY, V.A.; CHERNOV, A.V., inzh.; AGURIN,
A.P., nauchnyy red.; SOLODENNIKOV, L.D., nauchnyy red.; TOLKACHEV,
P.I., nauchnyy red.; KHLUDNYEVA, Ye.O., red.izd-va; EL'KINA, B.M.,
tekhn.red.

[Handbook on special operations; construction of industrial
furnaces] Spravochnik po spetsial'nym rabotam; sooruzhenie pro-
myshlennykh pechei. Pod red. A.V.Chernova. Izd.3., ispr. i dop.
Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam,
1960. 694 p.   (MIRA 13:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut
"Teploproyekt.".
                (Furnaces--Construction)

MAKAROV, N.V.

Model form for making block foundations for contact system power line
poles. Rats. i izpbr. predl. v stroi. no.135:19-20 '56. (MLRA 9:9)
(Electric lines--Poles)

BERESTOV, A.V. (Head District Veterinary Doctor), BERESTOV, V.A. (Candidate of Veterinary Sciences), KLYAPISHEV, I.A., SHAKMAKOVA, V.I. and MAKAROV, N.V. (Veterinary Doctors), BARABOSHIN, S.A., BUCHINOV, I.N., LYAMIN, A.F., FEDOROV, Yu. I., and FILIMONOV, I. Ya. (Veterinary Medical Assistants, Ul'yanov Oblast', Terentul'sk District).

"Protien hydrolysates in dispepsia in newborn calves..."
Veterinariya, vol. 39, no. 3, March 1962 pp. 71

MAKAROV, N.V., inzh.

Karamzit plant with a two-drum furnace. Str. mat. ... (MIRA .:5)
17-22 Af '64.

Preparation of emulsions for optical sensitizing. A. V. Chibisov and N. V. Makarov. *Photo-Kino Chem. Ind.* 1934, No. 2, 3-11. — The effect of variations in the type of emulsion, its formula and its ripening, on sensitizing with a series of dyes, is studied. With fine-grained emulsions optical sensitizers can increase the total effective sensitivity, this increase depending upon the distribution of the sensitizer between the emulsion grains and the gelatin. The presence of free bromide ions in the emulsion lowers the sensitivity. Acid dyes, such as erythrosin, are used but has little effect with other sensitizers. An increase in the iodide content is detrimental to color-sensitizing NH₃ emulsions with erythrosin, with neutral emulsions it has little effect. On the whole, it is concluded that the chemical characteristics of an emulsion have only a small effect on its suitability for sensitizing, and the sensitivity obtained depends chiefly upon the size of the emulsion grain.

ASM SLA METALLURGICAL LITERATURE CLASSIFICATION

Preparation of photographic emulsions. II. Emulsions without ammonia. N. V. Makarov and K. V. Chibisov. *Kino-Photo Inst., Moscow*, 8, 70-92(1934)— Excess of KBr in NH₄Br has the following influence on γ. Γ for pure AgBr emulsions γ decreases, at first rapidly, later more slowly, with increasing excess of bromide. In bromo-iodide emulsions the value of γ may pass through a max with increasing excess. The value of γ in pure AgBr emulsions depends upon the increasing soly. of the AgBr and diminishes as a result of the degree of dispersion of the heavy phase. In bromo-iodide emulsions this degree of dispersion depends upon the proportion of AgI present. The sensitivity is affected very greatly by the concn. of the free bromide during the 1st ripening, the relation of the sensitivity to the concn. passing through a max. The addn. of AgCl to a AgBr emulsion during the 1st ripening enables higher sensitivity to be obtained in the 2nd ripening, the use of 5% AgCl being effective. Emulsions contg. Ag bromide-iodide and AgCl with excess of chloride in the 2nd ripening are valuable for pos. materials. The effect of the gelatin concn. on the pptn. of the heavy phase has little effect on the property of the emulsions. A suitable concn. is 1.2%. The concn. of the salts and Ag during pptn. and ripening is of great importance. C. F. K. M.

The resolving power of photographic emulsions in relation to their preparation. K. V. Chibisov and N. V. Nakazov. *Trans. Kino Photo Research Inst. Moscow* 3, 30 (42)(1935). A study was made of the effect on the resolving power of the extent of the 2nd digestion, the concn. of the gelatin in emulsification, the extent of the 1st digestion, the rate of addn. of AgNO$_3$, the amt. of AgI in the emulsions, the total concn. of the reagents, optical sensitizing, the addn. of yellow dye, and the mixt. of emulsions. The rate of addn. and the amt. of AgI have a marked effect on the resolving power which increases from 32 to 80 for a series of emulsions of approx. the same speed as the AgI increases from 0 to 5%. The duration of ripening shows no effect in spite of its influence on speed and y. The amt. of gelatin, the total concn. and the addn. of sensitizers are without marked effect. Small amts. of yellow dye do not increase the resolving power but with a concn. sufficient to produce strong absorption of blue light, the resolving power increases. Mixts. of emulsions show a resolution proportional to that of their components.
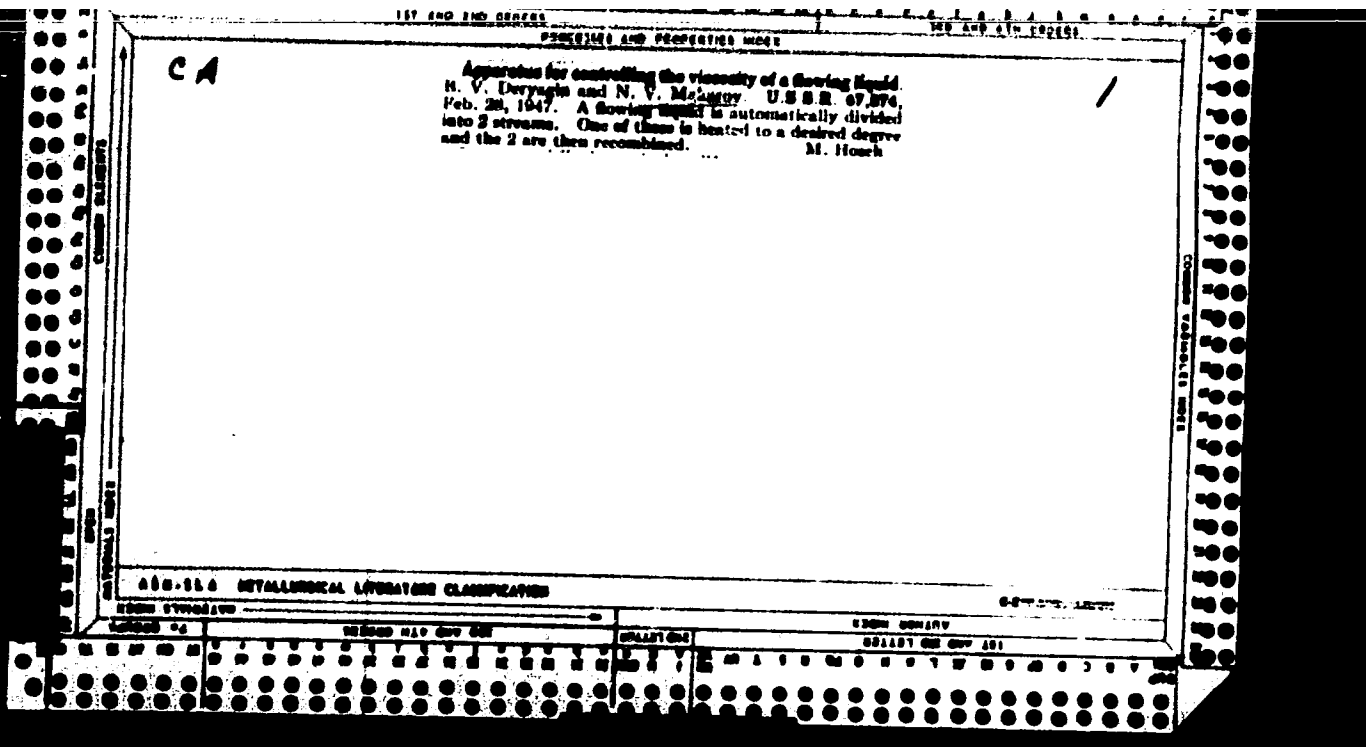
C. F. K. Mees

METALLURGICAL LITERATURE CLASSIFICATION

Influence of the nature of the gelatin on photographic
properties of emulsions. N. V. Makarov, A. V. Polodin-
skaya and S. A. Pulina. *Photo-Khim. Chem. Ind.* (U. S.
S. R.) 1935, No. 6, 22-5. Photographic gelatins can be
divided into (1) Those which contain a small amt. of
sensitizing materials and no desensitizing materials. The
emulsion after the 1st ripening shows a low value of γ.
During the 2nd ripening, both sensitivity and γ increase
notably. Such gelatins give emulsions of high sensitivity.
(2) Those which contain a small amt. of desensitizing
substances and possibly a somewhat higher amt. of sensi-
tizing materials than gelatine of the 1st class. The
emulsions after the 1st ripening have a somewhat higher γ,
the sensitivity increases somewhat less in the 2nd ripening.
Such gelatins give emulsions of moderate sensitivity. (3)
Those which contain a small amt. of sensitizing materials
and a large amt. of desensitizing materials. Such emul-
sions after the 1st ripening have a high γ. In the 2nd
ripening, the sensitivity is somewhat lowered. Such gela-
tins give emulsions of low sensitivity. (4) Those which
contain a large amt. of both desensitizing and sensitizing
materials. The emulsions after the 1st ripening show a
high γ and considerable fog. In the 2nd ripening, sensi-
tivity decreases appreciably. Such gelatins give emulsions
of low sensitivity and high fog. (5) Gelatins which do not
contain sufficient sensitizing materials to sensitize the
emulsion grains. In this case, after the 1st ripening, the
emulsion will have a low γ, and in the 2nd ripening both
sensitivity and γ will remain small. (6) Gelatins in

which the sensitizing materials are present in large amt.
but desensitizing materials are entirely absent. These
gelatins after the 1st ripening will show very great fog.
In the 2nd ripening, they will behave like normal gelatins
of the 4th class, showing a fall in sensitivity, but if to
emulsions made in the 1st ripening with gelatins of the 1st
class there are added gelatins of very high sensitizing con-
tent and no desensitizing content, in the 2nd ripening
there will be a rapid growth of sensitivity and fog.
                                    C. F. K. Mees

C A

Apparatus for controlling the viscosity of a flowing liquid. B. V. Deryagin and N. V. Melnikov. U.S.S.R. 67,974, Feb. 28, 1947. A flowing liquid is automatically divided into 2 streams. One of these is heated to a desired degree and the 2 are then recombined. ... M. Hoseh

A66-310 METALLURGICAL LITERATURE CLASSIFICATION

MAKAROV, N.V.

Coagulation of photographic emulsions by sodium sulfate. Trudy NIKFI
no.7:83-84 '47.   (MIRA 11:6)

1. Laboratoriya tekhnologii fotosloyev Nauchno-issledovatel'skogo kino-
foto-instituta, Moskva.
                         (Photographic emulsions)

MAKAROV, N.V.

Variable contrast photosensitive layer from silver-halide emulsions.
Patent U.S.S.R. 77,628, Dec. 31, 1949.
(CA 47 no.19:9834 '53)

YUR'YEV, Yu.K.; MAKAROV, N.V.

1,4-oxyketones and 1,4-diketones in the catalytic synthesis of Δ^{ν}-pyrroline homologues, Δ^{ν}-dihydrothiophene homologues and respectively homologues of pyrrole and thiophene. Zhur. ob. khim. 28 no.4:885-891 Ap '58.   (MIRA 11:5)

1. Moskovskiy gosudarstvennyy universitet.
                (Ketones)   (Pyrroline)   (Thiophene)

5(2)
AUTHORS: Yur'yev, Yu. K., Makarov, N. V.

TITLE: Transformation of Furanidine and Tetrahydropyrane Into the
             Respective Silicon-containing Heterocycles. Transformation
             of the Latter Into Sulfur-containing Heterocycles

ABSTRACT: In the present paper the catalytic method of interchangeable
             transformations of heterocycles discovered by one of the
             authors (Ref 2) was applied. The furanidine was caused to
             pass over aluminum oxide in the monosilane flow at 375°, thus
             obtaining simultaneously tetramethylene silane (4%) and di-
             tetramethylene silane (1.5%). The latter is the transformation
             product of furanidine under the action of the tetramethylene
             silane formed. Subsequently, a mixture of furanidine and
             tetramethylene silane was passed over aluminum oxide, and
             ditetramethylene silane (4.5%) was formed. A similar trans-
             formation of furanidine under the action of ethyl silane proved
             to be impossible since the latter completely decomposes at

Card 1/3

SOV/20-128-1-32/58

Transformation of Furanidine and Tetrahydropyrane Into the Respective
Silicon-containing Heterocycles. Transformation of the Latter Into
Sulfur-containing Heterocycles

the contact with aluminum oxide at 350°. Tetramethylene silane
was also obtained by a common catalytic dehydrogenation of
butanediol-1.4 and monosilane under the same conditions. In
the case of action of hydrogen sulfide on tetramethylene
silane or tetramethylene dichloro silane the cyclically
bound silicon atom is replaced by sulfur, thus forming
thiophane (14% and 4% respectively). Tetrahydropyrane trans-
forms to pentamethylene silane (9.5%) under the action of
monosilane at the contact with aluminum oxide at 375°. Under
the same conditions pentamethylene silane is transformed
to tetrahydrothiopyrane under the action of hydrogen sulfide.
There are 7 references, 5 of which are Soviet.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova
              (Moscow State University imeni M. V. Lomonosov)

Card 2/3

SOV/20-128-1-32/58

Transformation of Furanidine and Tetrahydropyrane Into the Respective Silicon-containing Heterocycles. Transformation of the Latter Into Sulfur-containing Heterocycles

PRESENTED: April 27, 1959 by A. N. Nesmeyanov, Academician

SUBMITTED: April 18, 1959

Card 3/3

SUVOROV, N.N.; SOKOLOVA, L.V.; MAKAROV, N.V.

Reaction between methylmagnesium iodide and steroid ketoximes.
Izv. AN SSSR.Otd. khim. nauk no.12:2257-2258 D '60. (MIRA 13:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevtichoskiy
institut im.S.Ordzhonikidze i Institut khimii prirodnykh soyedineniy
AN SSSR.
              (Magnesium compounds)   (Steroids)

SUVOROV, N.N.; SOKOLOVA, L.V.; MAKAROV, N.V.

Interaction between organolithium compounds and steroid keto oxides.
Izv.AN SSSR.Otd.khim.nauk no.5:934a My '61.   (MIRA 14:5)

1. Nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut im.
S.Ordzhonikidze i Institut khimii prirodnykh soyedineniy AN SSSR.
        (Lithium organic compounds)   (Steroids)

MAKAROV, N.V.; SHCHEKOCHIKHINA, V.O.

Effect of gold thiocyanate on the photographic properties of
emulsions. Part 1: Emulsions on gelatins with various sulfite
content. Zhur.nauch. i prikl.fot. i kin. 9 no.2:126-127 Mr-Ap
'64.   (MIRA 17:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy kinofotoinstitut (NIKFI).

MAKAROV, N.V.; POPOVA, Ye.G.; KRAFT, M.Ya.; BOGDANOVA, N.S.; POLUKHINA, L.M.;
    PERSHIN, G.N.

Effect on influenza viruses and synthesis of N-acyl derivatives of
uracil. Farm. i toks. 27 no.1:63-68 Ja-F '64.

(MIRA 17:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy
institut imeni Ordzhonikidze.

MAKAROV, N. Ye.

Mbr., Kazan State Univ. im. V. I. Ul'yanov-Lenin, -c1949-.

Hydrochemistry.

"Hydrochemical Facies of Subterranean Waters from the Lower Permian in the Southern End of the Vyatskiy Bank,"

SO: Dok. AN, 68, No. 2, 1949.

ZLATKIN, Moisey Grigor'yevich; DOROKHOV, Nikolay Nikolayevich; LEBEDEV,
   Nikolay Ivanovich; MAKAROV, Nikolay Yevgen'yevich; NEYSHTAT, Zya-
   ma Fal'kovich; SYCHEV, Arkadiy Mikhaylovich; SKLYUYEV, F.V., kand.
   tekhn. nauk, retsenzent; TASHCHEV, A.K., kand. tekhn. nauk, retsen-
   zent; TRUBIN, V.N., kand. tekhn. nauk, retsenzent; VSHIVKOV, P.P.,
   inzh., retsenzent; KON'KOV, A.S., inzh., retsenzent; LEBEDEV, N.S.,
   inzh., retsenzent; POTEKUSHIN, N.V., inzh., retsenzent; TYAGUNOV, V.A.,
   doktor tekhn. nauk, red.; SOKOLOV, K.N., kand. tekhn. nauk, red.;
   SKORNYAKOV, V.B., red.; YAROSHENKO, Yu.G., red.; ZAKHAROV, B.P., inzh.,
   red.; AMIROV, I.M., inzh., red.; MYSHKOVSKIY, V..., inzh., red.;
   SHELEKHOV, V.A., inzh., red.; BOGOMOLOV, O.P., inzh., red.; KATS, I.S.,
   inzh., red.; LEVANOV, A.N., inzh., red.; DUGINA, N.A., tekhn. red.

[Handbook on forging practices] Spravochnik rabochego kuznechno-
shtampovochnogo proizvodstva. By M.G.Zlatkin i dr. Moskva, Gos.
nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961. 776 p.
                                        (MIRA 14:9)
           (Forging—Handbooks, manuals, etc.)

SPOROV, O.A., kand.med.nauk; D'YACHKOV, P.L.; MAKAROV, N.Ye.

Protection of personnel from X-ray irradiation in the catheterization of the heart and vessels. Vest.rent.i rad. 40 no.5:58-61
S-O '65.
(MIRA 18:12)

1. Rentgenovskoye otdeleniye (zav. - prof. K.A.Moskacheva)
Instituta pediatrii AMN SSSR i Moskovskaya gorodskaya rentgeno-
radiologicheskaya stantsiya, Moskva.

L 31533-66   EWT(d)/EWP(c)/EWP(v)/T/EWP(k)/EWP(h)/EWP(l) IJP(c)   GD/BC

ACC NR: AT6011935   SOURCE CODE: UR/0000/66/000/000/0158/0162

AUTHOR: Gorbunov, V. I. (Tomsk); Makarov, N. Ya. (Tomsk); Cheshev, V. V. (Tomsk);
Abramov, V. P. (Tomsk); Voroshen', L. B. (Tomsk)

ORG: none

TITLE: Automatic quality control of very thick products

SOURCE: Vsesoyuznaya konferentsiya po avtomaticheskomu kontrolyu i metodam elektri-
cheskikh izmereniy, 5th. Avtomaticheskiy kontrol' i metody elektricheskikh izmereniy; trudy
konferentsii, t. 2: Izmeritel'nyye informatsionnyye sistemy. Ustroystva avtomaticheskogo
kontrolya. Elektricheskiye izmereniya neelektricheskikh velichin (Automatic control and
electrical measuring techniques; transactions of the conference, v. 2: Information measure-
ment systems. Automatic control devices. Electrical measurements of nonelectrical
quantities). Novosibirsk, Izd-vo Nauka, 1966, 158-162

TOPIC TAGS: automatic control system, quality control, betatron, x ray apparatus, flaw
detector

ABSTRACT: The mass production control of very thick products requires the development of
new, more efficient devices for the realization of satisfactory quality control. The present
paper describes a BD-1 automated betatron flaw detector a universal mobile device based on
the B-25/10 betatron and presents a detailed outline of its automatic control. The device can
carry out continuous plant control of steel products 50-500 mm thick and 0.5 to 8 m long. The

Card 1/2

L 31533-66

ACC NR: AT6011935   /

,test piece may have a complex configuration with a maximum drop in thickness along the irradiation direction of up to 100 mm. Experiments carried out at 25 MeV (radiation intensity 40-60 Roentgen/min) show that flaw detection is no worse than 0.3-1% of the maximum thickness of the sample. The productivity is at least 2 m^2/hour, the device requires a three-phase a.c. power supply, and it uses no more than 15 kW. The article describes the process of production control, outlines the automatic control system, and the X-ray photography system. Orig. art. has: 3 figures.

SUB CODE: 13,09 SUBM DATE: 29Nov65/ ORIG REF: 003

Card 2/2

PANFIL' L.S.; MAKAROV, O.D.

We are using every means for the reduction of operational expenses.
Elek. i tepl. tiaga 5 no.3:20-21 Mr '61.   (MIRA 14:6)

1. Nachal'nik sluzhby elektrifikatsii i energeticheskogo khozyaystva
Tomskoy dorogi (for Panfil'). 2. Nachal'nik Novosibirskogo uchastka
energosnabzheniya (for Makarov).
        (Electric railroads--Current supply)

L 15758-63   EPA(b)/EWT(1)/FCC(w)/FS(v)-2/T-2/BDS/ES(v)   AFFTC/ASD/

ESD-3/APGC   Pd-4/Pe-4/Pg-4/Po-4/Pq-4   GW
ACCESSION NR: AR3002641   S/0120/63/000/005/A012/A012

SOURCE: RZh. Mekhanika, Abs. 5A63   05

AUTHOR: Mamkov, O. I.

TITLE: Remarks on linear-fractional law of mass exhaust

CITED SOURCE: Nauch. zap. Odessk. politekhn. in-t, v. 46, 1962, 51-5

TOPIC TAGS: variable mass, mass exhaust, resistance, medium, ejected particle,
Meshcherskiy equation

TRANSLATION: A comparison is made of the height, the operating interval, the
speed at the end of the operating interval, the total height at the maximum
operating interval for three cases of vertical motion of a body with variable
mass with no resistance, when the mass of the body varies according to the law

$$1) \ m = m_0 e^{-\alpha t}; \quad 2) \ m = m_0 (1 - \alpha t); \quad 3) \ m = m_0 (1 + \alpha t)^{-1}$$

It is calculated that the third law of mass exhaust guarantees as equal or
greater effect than the first two. Analogous results are obtained for the
horizontal motion. Consideration is given to the cases of horizontal and vertical

Card 1/2

L 15759-63

ACCESSION NR: AR3002441

motion under a linear law of resistance of a medium, and then the case of the horizontal motion under the square law, assuming that the mass is varied according to the law: $m = m_0(1 + \alpha t)^{-1}$ and the relative velocity of the ejected particles. In all cases the expression for the velocity law as the solution of the corresponding Meshcherskiy equation is found. M. I. Yefimov.

DATE ACQ: 18 Jun 63   SUB CODE: PH   ENCL: 00

Card 2/2

L 29913-66   EWP(m)/EWT(1)/EWT(m)/T   WW/JW/JWD/WE

ACC NR: AP5019410   SOURCE CODE: UR/0021/65/000/007/0850/0852

AUTHOR: Makarov, O. F.

ORG: Odessa Polytechnic Institute (Odes'kyy politekhnichnyy instytut)

TITLE: Optimum variation in the rate of outflow for a point of variable mass

SOURCE: AN UkrRSR. Dopovidi, no. 7, 1965, 850-852

TOPIC TAGS: fluid flow, flow velocity, fuel consumption

ABSTRACT: The optimum rate of outflow c during the movement of a point of variable mass with a given energy reserve in a resisting medium is expressed by $c = c_0 + v + gt$, where v is the speed of the point. The optimum consumption of the mass is given by

$$m = \frac{1}{c}\left(\int c \frac{\partial Q}{\partial v} dt + A \right).$$

where m is the mass and Q is the resistance of the medium. The constant A is determined from the initial conditions. Initial speed is taken as zero. Presented by Yu. O. Mytropol'skyy, Academician AN UkrSSR. Orig. art. has: 4 formulas.

SUB CODE: 20/   SUBM DATE: 17Jun64/   ORIG REF: 001/   OTH REF: 001

Card 1/1

L 4437-66

ACC NR: AP5021960

UR/0021/65/000/008/1016/1020

AUTHOR: Klich, Yu. O.; Makarov, O. F.

TITLE: Investigation of the trajectory of a material point with low traction on an analog computer

SOURCE: AN UkrRSR. Dopovidi, no. 8, 1965, 1016-1020

TOPIC TAGS: electric analog, particle motion, approximation method

38
B

ABSTRACT: The Krylov-Bogolyubov method is used to obtain the first approximation of the system of equations describing the motion of a material point under the influence of small traction force of constant magnitude and direction in a central force field. Simulation of the first-approximation equations yields the trajectory of the perturbed motion. The cartesian coordinates of the moving point were fed to the horizontal and vertical input of a cathode ray oscilloscope (I-5M) on whose screen the trajectory was observed and photographed for two values of the traction. Orig. art. has: 7 formulas and 4 figures. This report was presented by Yu. A. Mitropol'skiy (Yu. O. Mytropol'sky).

ASSOCIATION: Odes'kyy politekhnichnyy instytut [Odesskiy politekhnicheskiy institut] (Odessa Polytechnic Institute)

Card 1/2

L 4437-66

ACC NR: AP5021960

SUBMITTED: 16Jun64   ENCL: 00   SUB CODE: ME, MA

NR REF SOV: 001   OTHER: 001

Card 2/2

L 05697-67   EWT(d)/EWP(1)   IJP(c)   JD

ACC NR: AP6011364   SOURCE CODE: UR/0208/66/006/002/0386/0389

AUTHOR: Klikh, Yu. A. (Odessa); Makarov, O. F. (Odessa); Plotnikov, V. A. (Odessa)

ORG: none

TITLE: The use of an analog computer to calculate the initial conditions for a system in an optimal motion control problem

SOURCE: Zhurnal vychislitel'noy matematiki i matematicheskoy fiziki, v. 6, no. 2, 1966, 386-389

TOPIC TAGS: optimal control, optimal automatic control, time optimal control, control theory, motion equation, analog computer, computer application, computer simulation

ABSTRACT: The authors describe analog computer simulation of a simple motion equation with the objective of finding the optimum control parameters of a system. The work was designed to prove the feasibility of using analog computers in the solution of optimization problems of this type. Consider the motion of a point m (figure 1) in a force field. The point is acted upon by the field and by a constant magnitude pulling force. The equation of motion may be written as

$$\ddot{r} = -\frac{1}{r^2}r^0 + a$$

UDC: 518.51:62-50

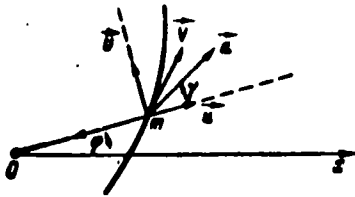Card 1/3

L 05697-67

ACC NR: AP6011364

Fig. 1.

or in the radial and transverse projections as

$$\dot{r} = u, \qquad \dot{\varphi} = \frac{v}{r}, \qquad \dot{u} = \frac{v^2}{r} - \frac{1}{r^2} + a\cos\gamma, \qquad \dot{v} = -\frac{uv}{r} + a\sin\gamma, \qquad (1)$$

where r is the polar radius of the point, ϕ is the polar angle, a is the pulling force modulus, u and v are radial and transverse velocity components and γ is the angle formed by the direction of the pulling force and the polar radius. The problem is to find an optimum control $\gamma = \gamma(t)$ which will transfer the point m in a minimum of time from the position r_0, φ_0, u_0, v_0 where $t = 0$

into position r_1, φ_1, u_1, v_1 where $t = t_1$.

Applying Pontryagin's maximum principle, this problem can be reduced to the solution

Card 2/3

L 05697-67
ACC NR. AP6011364

of a two-point boundary problem. Since the system (1) is unstable in this particular case, to ensure the stability of the system simulated on the analog computer, the original system (1) is transformed by substitution of

$$\rho = \frac{1}{r}, \quad s = \frac{d\rho}{d\varphi}, \quad \omega = \frac{1}{r^2\varphi'}$$

into

$$\rho' = s, \quad s' = \omega - \rho - \frac{a\omega\cos\gamma}{\rho^2} - \frac{a s \omega \sin\gamma}{\rho^3}, \quad \omega' = -2\frac{a\omega^2\sin\gamma}{\rho^3}.$$

Hence the problem amounts to finding of optimal control, which transfers the point m from the position ρ_0, s_0, ω_0 where $\varphi = 0$

for $\varphi = 0$ into position ρ_k, s_k, ω_k where $\varphi = \varphi_k$

and the minimizing functional

$$I = \int_0^{\varphi_k} \frac{\gamma\omega}{\rho^3}\,d\varphi.$$

The authors set up the necessary equations and provide a block diagram for system simulation on an analog computer. The feasibility of solving problems of this type on an analog computer is proven and an example is included. Orig. art. has: 10 formulas, 3 figures.

SUB CODE: 09, 13 /   SUBM DATE: 29Mar65

Card 3/3

MAKAROV, O.K.

Development of facilities of the postal service. Vest.sviazi 16
no.5:3-4 Je '56.   (MLRA 9:8)

1. Nachal'nik Glavnogo pochtovogo upravleniya Ministerstva svyazi
SSSR.
                        (Postal service)

MAKAROV, O.K.

The most widely used branch of communication. Vest.sviazi 17
no.10:11-14 O '57.   (MIRA 10:11)

1. Nachal'ni Glavnogo pochtovogo upravleniya Ministerstva svyazi SSSR.
(Postal service)

AUTHOR: Makarov, O.K., Chief of the Main Post   SOV/111-59-1-6/35
Office Administration

TITLE: Prospects for the Development of Postal Communications from 1959 to 1965 (Perspektivy razvitiya pochtovoy svyazi v 1959 - 1965 gg.)

PERIODICAL: Vestnik svyazi, 1959, Nr 1, pp 4 - 6 (USSR)

ABSTRACT: The article reviews achievements on the Soviet postal sector since 1955 and outlines major projects to be material-ized between now and 1965 in this sector. Between 1955 and now 4,200 new postal enterprises have been opened. More new post offices will start operating in 1959 in Kishinev, Ye-revan, Chernigov, Nukus, etc. Fifteen buildings connected with the transportation of mail to   railways were built in Sverdlovsk, Vil'nyus, Belgorod, Kishinev, and Gor'kiy. Eighty-three regional communication office buildings and over 400 branch office buildings were set up by the Mini-sterotvo svyazi (Communications Ministry). Mechanization of labor consuming processes included general introduction of 7-ton electric (battery-type) TA-1 truck tractors and 6,540 new UAz-450 special cars for postal service. In 1958,

Card 1/5   eighty thousand tons of air mail were handled.   Newspapers

of the capital and other republic   major cities are avail-
able on the day of their appearance in 69 oblast', kray and
republic   centers, in 76 on the second day, and in 14,
chiefly Soviet Far East, on the third. But mail and parcel
delivery to · remote regions still need considerable im-
provement. By 1965, papers, journals, letters, and parcels
addressed to points over 250 km distant from the place of
origin will be delivered by air. This, in addition to the
projected sixfold increase in air passengers, will necessi-
tate the construction and reconstruction of 90 airfields.
In addition to the 300 all-metal mail cars added during the
past 3 years, 1,000 more will be put into operation Since
present train schedules will be drastically revised and im-
proved (including briefer stops at the stations, mechanized
mail classification and reduction of labor and time-consuming

Card 2/5

Prospects for the Development of Postal Communications from 1959 to 1965

operations), delivery delays will be greatly reduced About
10,000 new stationary communication branches will be opened,
mainly in rural areas, and 4,000 mobile communication branch-
es on specially-equipped automobiles added. About 10,000
part-time assistants will be added to the regular staff
of postal workers and the number of subsidiary agencies will
be brought to over 30,000. TsNIIS and TsKB Upravleniya pro-
myshlennykh predpriyatiy Ministerstva svyazi SSSR (Central
Designing Bureau of the Administration of the Industrial Enter-
prises of the USSR Communications Ministry) by 1960 must
develop a machine for the preliminary processing of mail.
From 1959 on, the principal post offices will obtain letter-
sorting machines of type PSM for sorting letters going in
70 different directions. During 1959, this type will be
further developed. Serial production of a newspaper-bund-
ling machine will be started in 1959, that of a parcel-tying
machine in 1960. Mechanization of the mail dispatching ser-
vice to the 50 largest enterprises of the country is being
prepared. Serial production of the improved USP-1 machine
Card 3/5   for handling parcels going in many directions will be start-

Prospects for the Development of Postal Communications from 1959 to 196?

ed in 1960. A portable stamping machine handling 9,000
letters an hour will soon be in production and distributed
to all postal offices where they are needed. The Gosudarst-
vennoye soyuznoye konstruktorsko-tekhnologicheskoye byuro
Leningradskogo sovnarkhoza (State Union Designing and Tech-
nological Office of the Leningrad Sovnarkhoz) and the postal
laboratories of TsNIIS are at present developing a method
and a control device for diverse kinds of money orders.
Further mechanization includes the installation of over
10,000 automatic and semi-automatic machines at post
offices to simplify numerous tedious and time-consuming
operations. It is estimated that by the introduction of
complex mechanization and automation wherever possible the
work load of the post office workers will be reduced by 20
to 25% within the current 7-year plan period. Mailmen will
obtain motor scooters and three-wheel V-100 bicycles. In
the districts of the Far North of the RSFSR and the northern
districts of Kazakhstan, the special "Sever" aerosleigh
(Figure 2) will be introduced for postal requirements. It
Card 4/5   has a load capacity of 0.5 tons and is equipped with a 26? HP

SOV/111-59-1-6/25

Prospects for the Development of Postal Communications from 1959 to 1965

aircraft engine. One of the prominent examples of new mo-
dern postal buildings will be the building near the Kazans-
kiy Station in Moscow, construction of which will be started
by "Glavmosstroy" in 1959 (Figure 1). It will cover 220,000
cubic m and have a heliport on its roof. A crew of 1,500
workers will be able to handle a 24-hour maximum of 140,000
parcels, about 1,000,000 letters, 2,000,000 copies of peri-
odicals, and over 50,000 bags with letters and printed mat-
ter. Underground tunnels will connect the office directly
with the railway platforms. There are 4 photographs

ASSOCIATION: Glavnoye pochtovoye upravleniye Ministerstva svyazi SSSR
(The Main Post Administration of the USSR Communications Mini-
stry)

Card 5/5

MAKAROV, O.K.

Perfect postal service for the population. Vest.svizi 21
no.10:8-11 0 '61.   (MIRA 14:10)

1. Nachal'nik Glavnogo pochtovogo upravleniya Ministerstva
svyazi SSSR.
                    (Postal service)

MAKAROV, O.K.

Utilize all hidden potentials in developing and improving postal service.
Vest. sviazi 23 no.3:4-7 Mr '63.   (MIRA 16:3)

1. Nachal'nik Glavnogo pochtovogo upravleniya Ministerstva svyazi
SSSR.
                    (Postal service)

MAKAROV, O.K.

Strengthen and improve material and technical resources in postal
service. Vest. sviazi 24 no.11:15-17 N '64.   (MIRA 18:2)

1. Nachal'nik Glavnogo pochtovogo upravleniya Ministerstva svyazi
SSSR.

30V/58-59-12-28091

Translation from: Referativnyy zhurnal, Fizika, 1959, Nr 12, p 230 (USSR)

AUTHOR: Makarov, O.V.

TITLE: On the Computation of Conical Spiral Antennae

PERIODICAL: Tr. Leningr. elektrotekhn. in-ta svyazi, 1958, Nr 3 (36),
             pp 25 - 34

ABSTRACT: The effect of the size of conical spiral antennae, with a
             constant helix pitch angle, on the diagram of the antenna's
             directivity and its range, is investigated both theoretically
             and experimentally. Calculations of the dimensions and the
             directivity diagrams are submitted.

                                            Author's résumé

Card 1/1

MAKAROV, O.V., inzh.

Basis for the dimensions of a screw levelor for a sugar beet combine. Trakt. i sel'khozmash. no.1:33-35 Ja '61. (MIRA 14:4)

1. Kirovogradskaya oblastnaya sel'ekokhozyaystvennaya opytnaya stantsiya.

MAKAROV, O.V., .nzh.-mekhanik

In order to prevent the crushing of peas. Zashch. rast. ot vred. 1 bol. 9 no.9:24-25 '64.

(MIRA 17:11)

1. Kirovogradskaya oblastnaya sel'skokhozyaystvennaya opytnaya stantsiya.

MUKHINA, T.N.; BRAGINSKIY, O.E.; MAKAROV, O.V.; MAYOROV, V.I.

Effect of pressure on the pyrolysis of straight-run gasoline
in a current of super-heated water vapor. Nefteper. i nefte-
khim. no.3:10-12 '65.   (MIRA 18:5)

1. Nauchno-issledovatel'skiy institut sinteticheskikh spirtov.

BRAGINSKIY, O.B.; MAKAROV, O.V.

Economics of straight-run gasoline pyrolysis under pressure
in a pipestill. Nefteper. i neftekhim. no.7 37-39 '65.
(MIRA 18:12)

1. Nauchno-issledovatel'skiy institut sinteticheskikh spirtov i
organicheskikh produktov.

Fuel Abstracts

MAKAROV, P A.

Steam Raising & Steam Engines 146 "1553"

4655. ACCEPTANCE TEST OF FURNACE WITH MECHANICAL UNDERFEED STOKING UNDER SMALL BOILER. Mad'yugin, H.N. and Makarov, P.A. (Za Ekon. Topliva (Fuel Econ.), July 195?, 17-16). (L)

MAKAROV, P.A.; POLYANSKAYA, T.M.

Determination of the unit consumption of fuel of the rural districts
for heating. Obshch.energ. no.4:40-44 '61.   (MIRA 14:8)
            (Fuel)   (Heating)

SOV/137-57-10-19188

Translation from Referat.vnyy zhurnal, Metallurgiva 1957 Nr 10, p 107 :USSR

AUTHOR   Makarov P. A

TITLE   Product.or. of Bert Sections at the im. Molotov Plant (O pr..,
            vodstve grut,kh prot.'ey na zavode .m. Molotova

PERIODICAL V sb Rats.onalizatsiva prof 'e\ prokata Moscow Prot z-
            dat 1956 pp 226 227

ABSTRACT   A ommun.cat.on is presented on the functioning of a m.u' t
             manufacture bent sections (S from strip up to 130 mm w.de
             and < 3 mm thick   The great poss.b...ties inherent .r the
             appl.cat:on of bent S are noted   It .s recommended that a GOST
             government standard and a catalog of these S be .ssued
                                                                   M Ts

Card 1 / 1

MAKAROV, P.A., inzhener.

Designing ball clutches having limited torque. Strci. i dor.
mashinostr. 2 nc.5 22-25 My '57. (MLRA 10:6)
(Clutches (Machinery))

MAKAROV, P.A.,inzh.

Basic calculations in manufacturing machines for centrifugal
forming of reinforced-concrete pipes. Stroi. i dor.mashinostr.
4 no.2:19-22 F '59.   (MIRA 12:2)
                    (Pipe, Concrete)

MAKAROV, P.A., inzh.

Determining engine power used for actuating the vibrating equipment. Stroi.i dor.mashinostr. 4 no.5:27-29 My '59.
(MIRA 12:7)

(Vibrators)

MAKAROV, Petr Aleksandrovich; TSEYTLIN, Yefim Solomonovich; LAPIR, F.A.,
inzh., retsenzent; DUBASOV, A.A., inzh., red.; SMIRNOVA, G.V.,
tekhn. red.

[Modling units for the manufacture of multihollow reinforced-
concrete articles] Formovochnye ustanovki dlia proizvodstva mnogo-
pustotnykh zhelezobetonnykh izdelii. Moskva, Gos. nauchno-
tekhn. izd-vo mashinostroit. lit-ry, 1961. 172 p.   (MIRA 14:9)
                    (Reinforced concrete)

KRIVITSKIY, M. Ya.; MAKAROV, P.A.; SCHASTNYY, A.F.

Device for determining the change in moisture content of
materials in the process of autoclave treatment. Zav. lab.
30 no.11:1417-1418 '64   (MIRA 18:1)

1. Nauchno-issledovatel'skiy institut betona i zhelezobetona
Gosstroya SSSR.

POPOV, A.N.; MAKAROV, !...; KORTIEV, K.Ye., inzh., retsenzent

[Equipment for the production of concrete and reinforced
concrete pipe] Oborudovanie dlia proizvodstva betonnykh i
zhelezobetonnykh trub. Moskva, Mashinostroenie, 1965.
183 p.   (MIRA 18:8)

USSR / General Biology. Cytology.   B-2

Abs Jour: Ref Zhur-Biol., No 10, 1958, 42720.

Author   : Makarov, P. B.
Inst   : Not given
Title   : Cytological and Cytochemical Studies of Gametogene-
           sis, Fecundation and Early Stages of Embryonic
           Development.

Orig Pub: V sb. Probl. sovrem. embriologii, L., Un-t, 1956,
           5-11.

Abstract: In cytological and cytochemical studies of gameto-
           genetic processes, fecundity and early stages of
           embryonic development in horse ascarides, it was
           established that in the course of reducing the

Card 1/4

USSR / General Biology. Cytology.   B-2

Abs Jour: Ref Zhur-Biol., No 10, 1958, 42720.

Abstract: number of chromosomes in fission at maturity (using
the method of identification of DNA and RNA), there
were significant deviations from the commonly ac-
cepted scheme. It was observed that the intact
chromosomes did not move toward the poles in the
anaphase. The author suggests that the reduction
in chromosome numbers is due to a decreased number
of chromatin elements formed in the prophase. In
the course of gametogenesis established alterations
in the content of RNA and DNA were found. The
author finds that RNA is the energy source in the
synthesis of cell proteins and is consumed during
the growth period of oocytes and spermatocytes.
At the same time also a weakening of intensity in
the nucleus reaction to DNA occurs, and the nuclei
appear achromatinized toward the end of the growth

Card 2/4
                                  3

USSR / General Biology. Cytology.   B-2

Abs Jour: Ref Zhur-Biol., No 10, 1958, 4272C.

Abstract: period. The quantity of DNA changes cyclically in
          the course of subsequent embryonic development.
          The DNA quantity concentrated in the developing
          chromosomes increases in the prophase and is con-
          sumed during telephase as the daughter nuclei are
          formed. Interphase nuclei contain no DNA. In
          the prophase of each subsequent fission the appear-
          ance of DNA is observed anew, which completely
          disappears in the telephase. Such cyclic changes
          of DNA occur down to the late blastula and at times
          also the gastrula, when the DNA content is stabi-
          lized at an established high level. The author
          considers that at the early stages of embryogenesis,

Card 3/4

USSR / General Biology. Cytology.   B-2

Abs Jour: Ref Zhur-Biol., No 10, 1958, 42720.

Abstract: In the prophase, synthesis of DNA occurs due to
           activity of caryoplasm, but in the telephase DNA
           is consumed in formation of nuclear protein, and
           the nuclear framework, found on fixed preparations,
           does not form any skeletal threads of chromosomes.

Card 4/4
                                 4

MAKAROV, P.G.; DMITRIYEV, M.A., professor, zaveduyushchiy.

Case of application of retrobulbar injection of novocaine and of therapeutic sleep in iridocyclitis. Vest.oft. 32 no.2:32-33 Mr-Ap '53. (MLRA 6:5)

1. Kafedra glaznykh bolezney Krasnoyarskogo meditsinskogo instituta.
(Eye--Diseases) (Novocaine) (Sleep)

DENISENKO, I.I. [Denysenko, I.I.]; MAKAROV, P.G. [Makarov, P...]

New machinery in collective farm fields. Mekh. sil'. hosp. 13 no.7:
10-12 Jl '62.   (MIRA 17:3)

1. Zaveduyushchiy otdelom mekhanizatsii Ternopol'skoy sel'skokho-
zyaystvennoy opytnoy stantsii (for Denisenko). 2. Predsedatel' kol-
khoza "Ukraina", Skalatskogo rayona, Ternopol'skoy oblasti (for Ma-
karov).

ZAYDENVARG, Viktor Aleksandrovich; MAKAROV, Petr Ivanovich; NADEZHDINA, A.,
        red.; LEBEDEV, A.; tekhn. red.

[Analysis of the economic and financial operations of trade organi-
zations] Analiz khoziaistvenno-finansovoi deiatel'nosti torgovykh
organizatsii. Moskva, Gosfinizdat, 1961. 169 p.   (MIRA 14:9)
                        (Russia—Commerce)

MAKAROV, P.M., inzh.

Evaluating the accuracy of dynamographs by using calibration
equipment. Trudy MIMESKH 6:365-377 '59.   (MIRA 14:5)
(Dynamometer)

MAKAROV, P.M., insh.

Method of plotting graphs of speeds and accelerations for plane
mechanisms having higher kinematic pairs. Trudy MIMESKH 9:53-73
'59.   (MIRA 13:11)
            (Machinery, Kinematics of)

MAKAROV, P.M., insh.

Errors in the kinetics chains of dynamographs. Trudy NIMESKH 9:114-126 '59.   (MIRA 13:11)

(Agricultural machinery—Testing)
(Dynamometer)

TURBIN, B.I., prof.; MAKAROV, P.M. inzh.

Theory of the dynamometric testing of agricultural machinery with spring dynamographs. Trudy MIMESH 9:173-195 '59. (MIRA 13:11)

(Agricultural machinery--Testing)

(Dynamometer)

MAKAROV, P. M., Cand Tech Sci -- "Problems in the theory of dynamometric agricultural machines by spring and hydraulic dynamographs." Mos, 1961. (Mos Order of Lenin Agri Acad im K. A. Timiryazev) (KL, 8-61, 246)

- 268 -

32878

S/044/61/000/012/034/054
C111/C333

/64400

AUTHORS: Pak, K. A., Makarov, P. M.

TITLE: The original of the image of a function

PERIODICAL: Referativnyy zhurnal, Matematika, no. 12, 1961, 72,
               abstract 12B320. ("Sb. nauchn. rabot Mosk. s.-kh.
               akad. im. K. A. Temiryazeva", 1961, 14. 215-218)

TEXT: The original $f(\tau)$ of the function

$$F(s) = \frac{1}{s^2} \, \exp \left(-x \sqrt{s/a + k^2} \right)$$

under the transformation

$$F(s) = \int_0^\infty f(\tau) \, e^{-s\tau} \, d\tau$$

is exhibited.

[Abstracter's note: Complete translation]

Card 1/1

MAKAROV, P.M., kand. tekhn. nauk

Analyzing systems with nonlinear elements in agricultural mechanics.
Izv. TSKHA no.5:145-152 '62.   (MIRA 16:7)

(Dynamometry)

MAKAROV, P. O.

"Adequate Optical Chronaxia in Man and Its Variations in Neurocerebral
Activity and Fatigue", Sovietskaya Nevropatologhia, Psikhiatria i
Polkhogbighiena, Vol. 3, 1st ed., 1924.

MAKAROV, F. O.

"Influence of the Nervous and Cerebral Fatigue on the Excitability of the Visual Nerve Centers in Man", Soviet-kaya Nevropatologhia, Psikhiatria i Polkhogihiena, Vol. 3, 1st ed., 1954.

MAKAROV, P. O.

"Changes of nerve cnronaxie due to the passage of the excitation wave"

XV Intern. Physiol. Congr., Summaries of Communication, 257-258, M., 1935

Report on the Research Work of the All-Union Inst. of Experimental Medicine imeni A. M. Gor'kiy for 1933-1937, "Medgiz", Moscow-Leningrad, 1939, p 253   N/5 640 M8 (in Russian)

MAKAROV, P. O.

"Interaction Between the Organ of Vision and the Organs of Hearing, Taste, and Smell", Trudy I-i Konferentsii po Fiziolog. Optike, Izu. Akademii Nauk, 1936.

MAKAROV, P. O.

"Das Problem der Gradation von Erregbarkelt und Erregung in der Mikro-physiologie. II", Zhur. Fiz., Vol.28, No.1, pp 34-42, 1940

MAKAROV, P. O.

PA 16T95

USSR/Medicine - Physiology   Apr 1947
        Medicine - Sounds - Perception

"Diapasonometry in Physiology, Psychophysiology, and
the Clinic," P. O. Mararov, 24 pr

"Vestnik Leningradskogo Universiteta" No 4

General description of diapasonometry. Skin
reception of humans, sensory and motor (system)
ranges, change in ranges of skin reception and
the sensory motor (system) due to traumas and the
range of motor and sensory reflection.

16T95

Makarov, P. - "On the effect of interoceptive signaling on the cardio-vascular system of man (On the problem of hypertonic affection)," In symposium: VIII Sessiya Neyrokhirurg. soveta i Leningr. in-ta neyrokhirurgii (Akad. med. nauk SSSR), Moscow, 1948, p. 69-77

SO: U-3600, 10 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 1, 1953).

MAKAROV, P.O., prof.

Functional mobility of the human sensory systems. Vest. LGU
1 no.9:30-43 S '48.   (MIRA 12:9)
                    (Senses and sensation)   (MIRA 12:9)

MAKAROV, P. O.

"Pendulum for Investigation and Registration of Physiological and Psychological Processes in Microintervals of time,"

SO: Dok. AN, 61, No. 5, 1948. A. A. Ukhtomskiy Institute of Physiology, Leningrad State University, -c1948-.

MAKAROV, P.C.

GOL'DBURT, S.N.; MAKAROV, P.O.

Dynamic chronaximetry and the interval of functional switching in the auditory system of man. Probl.fiziol.akust. 1:32-44 '49.

(MIRA 10:11)

1. Iz laboratorii fiziologii organov chuvstv Fiziologicheskogo instituta Leningradskogo gosudarstvennogo universiteta.

(HEARING)

MAKAROV, P.O., professor.

Studying visceral sensitivity in man at macro- and microintervals
of time. Nauch.biul.Len.un. no.23:42-45 '49.   (MIRA 10:4)

1. Fiziologicheskiy institut im. A.A.Ukhtomskogo, Laboratoriya
fiziologii organov chuvstv.
                    (VISCERA--INNERVATION)
                    (ELECTROPHYSIOLOGY)

MAKAROV, P.O., professor; NEKRYLOV, F.P.

Electrotonus of the human visual apparatus studied at microintervals of time. Nauch.biul.Len.un. no.23:45-47 '49.   (MLRA 10:4)

1. Fiziologicheskiy institut im. A.A.Ukhtomskogo, Laboratoriya fiziologii organov chuvstv.
                    (ELECTROPHYSIOLOGY) (SIGHT)

MALAROV, . . .

USSR/Medicine - Interoceptive Perceptions May 49
   Medicine - Receptors

"Latent Period of Interoceptive Perception,"
P. O. Makarov, Physiol Inst, Leningrad State U
imeni A. A. Zhdanov, 4 pp

"Dok Ak Nauk SSSR" Vol LXVI, No 3

This study determines latent period for interocep-
tive perception of human esophagus and stomach
as equal to 0.3 - 0.6 sec. It is longer than
latent period for exteroceptive perception. Sub-
mitted by Acad L. A. Orbeli, 22 Mar 49.

58/49T66

1. MAKAROV, P. O., Prof.

2. USSR 600

4. Reflexes

7. Movable ocular chronaximeter, Nauch. biul. Len. un, No. 28, 1951.

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

MAKAROV, P.O.

[Neurodynamics of the visual system in man; adequate optical
chronaximetry in physiology and in clinical practice] Neiro-
dinamika zritel'noi sistemy cheloveka; adekvatnaia opticheskaia
khronaksimetriia v fiziologii i klinike. Leningrad, 1952. 166 p.
                        (Sight) (Chronaxy)   (MIRA 8:7)

MAKAROV,P. O.

Neurodynamic investigation according to Vvedenskii's theory.
Klin. med., Moskva 30 no.4:42-48 Apr. 1952 .   (CLML 22:2)

1. Professor. 2. Leningrad.

MAKAROV, P. O.

    Neurodynamic investigation on the visual analysor in men according
to Vvedenskii's theory. Vest. oft., Moskva 31 no.3:13-16 May-June
1952.   (CLML 22:2)

    1. Professor for Polyak.

MAKAROV, P.O.

Effect of interoceptive gastric signals on electroencephalography in man. Fiziol. zh. SSSR 38 no.3:281-287 May-June 1952. (CLML 23:2)

1. Laboratory of the Physiology of Analysors of the Physiological Institute imeni A. A. Ukhtomskiy, Leningrad State University imeni A. A. Zhdanov.

MAKAROV, P.O., professor; MOLOTKOV, A.G., professor [deceased]

Diapasonometry of conductivity disturbances in injured
human nerves exposed during operation and surgical treatment
for some kinds of pain. Uch.zap.Len.un.no.138:267-274 '52.
                                                (MLRA 9:6)
1. Iz laboratorii elektrofiziologii Leningradskogo filiala
Vsesoyuznogo instituta eksperimental'noy meditsiny i Otde-
leniya khirurgii pericheskey nervnoy sistemy Leningrad-
skogo neyrokhirurgicheskogo instituta imeni professora A.L.
Poleneva.
          (NERVES--SURGERY) (PAIN)

MAKAROV, P.O.

Electrosensibility of the healthy and sick human stomach. Uch.zap.Len.un.
no.138:275-287 '52.   (MLRA 9:6)

1.Iz Laboratorii fisiologii organov chuvst Fisiologicheskogo instituta
Leningradskogo gosudarstvennogo universiteta imeni A.A.Zhdanova.
(STOMACH) (DIGESTIVE ORGANS--DISEASES) (ELECTROTHERAPEUTICS)

VVEDENSKIY, N.Ye.; VASIL'YEV, L.L., professor, redaktor; VINOGRADOV, M.I.,
professor redaktor; VETYUKOV, I.A., dotsent, redaktor; GOLIKOV, N.V.,
professor, redaktor; SHUKOV, Ye.K., professor, redaktor; MAKAROV,
P.O., professor, otvetstvennyy redaktor; MEL'NIKOVA,G.G., redaktor;
VODOLAGINA, S.D., tekhnicheskiy redaktor

[Complete collected works] Polnoe sobranie sochinenii. Leningrad,
Izd-vo Leningradskogo gos. univ. im. A.A.Zhdanova. Vol.5. [A course
of lectures on animal and human physiology delivered at St.Petersburg
University from 1911-1913] Kurs lektsii po viziologii zhivotnykh i
cheloveka chitannykh v Peterburgskom universitete v 1911-1913 g.g.
1954. 380 p.   (MIRA 10:1)
        (PHYSIOLOGY)