

USSR / Meadow Cultivation

Abs Jour: Ref Zhur-Biol., Vol 13, 1958, 58452

Author : Yermachenko, G. A.

Inst : Scientific Research Institute of Agriculture and
Commerce of the Western Rayons of UkrSSR

Title : Growth Dynamics of the Green Moss and the Aftermath
of Natural Meadows on the Bottom Lands of the Poltvi
River

Orig Pub: Inform. byul. Nauk-gosl. in-t zemlerobstva i
tvarinnitstva zakhidn. rayoniv UkrSSR, 1957,
vip. 2, 34-37

Abstract: No abstract.

Card 1/1

YERMACHENKO, G.A. [Iermachenko, H.IA.]

Materials on the dynamics of the development of grass and the
aftergrowth on Deschampsia-dominant meadows in the Chernogora
Range. Nauk. zap. Nauk.-pryrod. muz. AN URSR 9:129-139 '61.

(MIRA 15:2)

(Chernogora Range—Deschampsia)

(Chernogora Range—Pastures and meadows)

YERMACHENKO, G.Ya. [Iermachenko, H.IA.]

Formation of offshoots in the tufted hairgrass (*Deschampsia caespitosa* (L.) P.B.) Ukr. bot. zhur. 17 no.6:58-60 '60.

(MIRA 14:3)

1. L'vovskiy nauchno-prirodovedcheskiy muzey AN USSR.
(*Deschampsia*) (Plants---Reproduction)

YERMACHENKO, G.Ya. [I Ermachenko, H. IA.]

Some ecologic and biologic characteristics of tufted hair
grass (*Deschampsia caespitosa* (L.) P. B.) in the Chernogora
Range. Nauk. zap. Nauk.-pryrod. muz. AN URSR 10:55-62 '62.
(MIRA 16:8)

YERMACHENKO, I. A.

"Primary production in the Iceland-Faroe ridge area".

Report submitted for the International Council for Exploration of the
Sea, Copenhagen, 2-10 Oct 61

FEDOSOV, M.V.; YERMACHENKO, I.A.

Conditions governing the formation of the hydrochemical
conditions and primary productivity in the Norwegian and Greenland
Seas. TRUDY VNIRO 46:18-38 '62. (MIRA 15:10)

(Norwegian Sea—Water—Composition)
(Greenland Sea—Water—Composition)

YERMACHENKO, I.A.

Conditions of the new formation and decay of organic substances
in the ice areas of the Greenland and Barents Seas. Trudy VNIRO
57:161-171 '65. (MIRA 18:6)

BOGDANOV, M.A.; YERMACHENKO, I.A.; POTAYCHUK, S.I.; EDEL'MAN, M.S.

Hydrology in the Faeroe-Iceland area. TRUDY VNIRO 46:61-64 '62.
(MIRA 15:10)

(Faeroe Islands region—Oceanography)
(Iceland region—Oceanography) .

YERMACHENKO, P.S.

Along the road to technical progress. Ugol' 39 no.5:24-26
My '64. (MIRA 17:8)

1. Upravlyayushchiy trestom Krasnoluchugol'.

YERMACHENKOV, N.N., veterinarnyy vrach

Some methods of stimulating the sexual function in cows.
Veterinariia 41 no.1:87-88 Ja '64. (MIRA 17:3)

1. Novogorodskiy zooveterinarnyy tekhnikum.

YERMACHENKO, P., inzhener.

Our experience with new work methods. Rech.transp. 1/4 no.2:
12-14 F '55. (MIRA 8:5)
(Towing)

YERMACHENKO, P.

Three years ahead of the deadline. Mast.ugl 9 no.9:3 B'60.
(MIRA 13:10)

1. Upravlyayushchiy trestom Kirovugol' Luganskogo sovnarkhoza.
(Donets Basin--Coal mines and mining)

YERMACHENKO, P.S., inzh.; SUKHOV, V.N., inzh.

New forms of accounting and labor organization (the "Lugansk
Hour"). Ugol'.prom. no.4:4-6 JI-Ag '62. (MIRA 15:8)
(Lugansk Province--Coal mines and mining--Accounting)
(Socialist competition)

YERMACHENKO, P.S.

High-speed mining is the guarantee of successful mine operations.
Ugol' Ukr. 7 no.11:9-11 N '63. (MIRA 17:4)

1. Upravlyayushchiy Krasnoluchskim trestom ugol'nykh predpriyatiy
Donbassa.

YERMACHENKO, P.S.

Rapid development mining is the guarantee of the rhythmic coal mining operations. Ugol' 39 no.1:21-24 Ja '64. (MIRA 17:3)

1. Upravlyayushchiy Krasnoluchskim trestom ugol'nykh predpriyatiy Donbassa.

YERMACHENKO, P.S.; IVANOV, A.T.

Ways of reducing the volume of rock delivered to the surface
at mines of the Krasnoluchugol' Trust. Ugol' 40 no.8:24-27
Ag '65. (MIRA 18:8)

1. Trost Krasnoluchugol'.

YERMACHENKO, V. A.

USSR / Microbiology - General Microbiology.

F

Abs Jour: Ref Zhur-Biol., No 9, 1958, 38350.

Author : Lozinov, A. B., Ermachenko, V. A.

Inst : Not given.

Title : Accumulation of Organic Substance by Cultures of
Nitrosomonas Europea Cultivated on Vinogradsky
Medium.

Orig Pub: Mikrobiologiya, 1957, 26, No 2, 154-159.

Abstract: Four pure cultures of N. europea, 2 cultures with
an accessory - mycobacteria, and a mixed culture
of 4 heterotrophic microorganisms - Pseudomonas
fluorescens, Mycobacterium phlei, M. citreum and
M. rubrum, were cultivated on a mineral medium
with complete exclusion of organic substances
from outside (including air), in retorts hermet-
ically sealed by rubber corks or soldered. The
mixed heterotrophic cultures were also cultivated

Card 1/2

61

Inst. Microbiology, AS USSR, Moscow

USSR / Microbiology - General Microbiology.

F

Abs Jour: Ref Zhur-Biol., No 9, 1958, 38350.

Abstract: in retorts with cotton plugs. Organic carbohydrate was estimated in cultures, accumulated as a result of bacteria developing in a mineral Vinogradsky medium, by the method of Fridesman and Kendal. A marked growth increase (6-7 times) was found in the quantity of organic carbohydrate in the process of development in N. europea cultures. In heterotrophic cultures, hermetically sealed, no growth of organic substance was observed. Only the autotrophic CO_2 assimilation could serve as a source of the accumulated organic substance.

Card 2/2

RUBIN, Ye.L., YERMACHENKO, V.A.

Behavior of Nitrosomonas europaea after dessication [with summary
in English]. Mikrobiologiya 27 no.4:448-449 J1-Ag '58 (MIRA 11:9)

1. Institut mikrobiologii AN SSSR.
(NITROSOMONAS,
europaea, viability & properties after dessication (Bus))

LOZINOV, A.B.; YERMACHENKO, V.A.

Effect of certain factors of the medium on NH_4^+ oxidation by nitrite bacteria. Report No.1: Effect of $(\text{NH}_4)_2\text{SO}_4$ concentration. Mikrobiologiya 28 no.5:724-729 S-O '59. (MIRA 13:2)

1. Institut mikrobiologii AN SSSR.
(NITROSOMONAS chem.)
(AMMONIUM COMPOUNDS chem.)

LOZINOV, A.B.; YERMACHENKO, V.A.

Effect of certain environmental factors on NH_4^+ oxidation by nitrite
bacteria. Report No.2: Effect of temperature. Mikrobiologiya 28
no.6:835-837 N-D '59. (MIRA 13:4)

1. Institut mikrobiologii AN SSSR.
(NITROSOMONAS metab.)
(AMMONIUM COMPOUNDS metab.)

LOZINOV, A.B.; YERMACHENKO, V.A.

Physiological changes in *Saccharomyces cerevisiae* during adaptation to NaF. Trudy Inst. mikrobiol. no. 6:165-171 '59. (MIRA 13:10)

1. Institut mikrobiologii AN SSSR.

(SACCHAROMYCES CEREVISIAE) (SODIUM FLORIDE—PHYSIOLOGICAL EFFECT)

LOZINOV, A.B.; YERMACHENKO, V.A.

Pigmented form of *Nitrosomonas europaea*. Mikrobiologiya 29
no. 4:523-528 J1-Ag '60. (MIRA 13:10)

1. Institut mikrobiologii AN SSSR.
(NITROSOMONAS)

LOZINOV, A.B.; YERMACHENKO, V.A.

Physiological role of cytochrome in nitrifying bacteria. Mikro-
biologiya 31 no.6:972-979 N-D '62. (MIRA 16:3)

1. Institut mikrobiologii AN SSSR.
(BACTERIA, NITRIFYING) (CYTOCHROMES)

ACCESSION NR: AP4046413

S/0056/64/047/003/0958/0959

AUTHORS: Yermachenko, V. M.; Kopy*shev, V. P.

TITLE: ~~NEUTRINO PAIR PRODUCTION~~ in electron dipole transitions

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 47, no. 3, 1964, 958-959

TOPIC TAGS: neutrino, pair production, electron transition, dipole transition

ABSTRACT: On the basis of the universal Fermi interaction, the authors derive a general formula for the energy lost by a neutrino in its transition to neutrino-pair emission. The energy loss is

with emission of a photon, the cross section for the analogous

transition with emission of a neutrino pair can be obtained

from the work of B. 201 (1961) and V. 137, 548, 1963 (1961) and
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the work of B. 201 (1961) and V. 137, 548, 1963 (1961) and

Card 2/2

GANDEL'MAN, G.M.; YERMACHENKO, V.M.; ZEL'DOVICH, Ya.B.

Nonmetallic nickel under high pressures. Zhur. eksp. i teor. fiz.
44 no.1:386-387 Ja '63. (MIRA 16:5)

(Nickel)

(High-pressure research)

GANDEL'MAN, G.M.; YERMACHENKO, V.M.

Dielectric constant of crystals from the standpoint of quantum
theory. Zhur. eksp. i teor. fiz. 45 no.3:522-531 S '63.
(MIRA 16:10)

(Dielectric constant) (Quantum theory)

ACC NR: AP7003223

SOURCE CODE: UR/0056/66/051/006/1833/1841

AUTHOR: Yermachenko, V. M.

ORG: Moscow Engineering-Physics Institute (Moskovskiy inzhenerno-fizicheskiy institut)

TITLE: Diffusion of radiation in a resonant medium

SOURCE: Zh eksper i teor fiz, v. 51, no. 6, 1966, 1833-1841

TOPIC TAGS: quantum resonance phenomenon, Schrodinger equation, distribution function, resonance line

ABSTRACT: The authors investigate the properties of radiation in a resonant medium of two-level molecules by a quantum mechanical procedure involving solution of the Schrodinger equation and a determination of the distribution function of the excited atoms. A general expression for this distribution function is obtained in the case when the resultant scatter of the atomic levels is determined by two processes, one of which gives a Doppler line shape and the other a dispersion line shape. The calculations are carried through to conclusion only for the dispersion line shape. A kinetic equation which is satisfied by the distribution function is formulated. Unlike earlier results by T. Holstein (Phys. Rev. v. 83, 1159, 1951 and earlier) and L. M. Biberman (ZhETF v. 17, 416, 1947), the obtained kinetic equation is characterized by a collision term which is integral with respect to time. In addition, retardation is taken into account in calculating the kernel of this equation. The conditions under which the present results go over into results obtained by others are

Card 1/2

ACC NR: AF7003223

also discussed. The author thanks Yu. A. Vdovin for suggesting the topic and continuing interest in the work and V. M. Galitskiy for valuable discussions. Orig. art. has: 31 formulas.

SUB CODE: 20/

SUBM DATE: 20Jun66/

ORIG REF: 013/

OTH REF: 008

Card 2/2

YERMACHENKO, V.P.

MISHINA, M.N., kandidat tekhnicheskikh nauk; YERMACHENKO, V.P., inzhener.

Organizing operations on crewless barges. Rech.transp. 16 no.7:31-32
Jl '57. (MLRA 10:9)

(Barges) (Towing)

YERMACHENKO, Ya.N.

Device for the exchange of the rubber shock absorbers of the kingpins of the IM-57 streetcar truck. Rats. predl. na gor. elektrotransp. no.9:41-42 '64. (MIRA 18:2)

1. Dopoln. Konyashina Tramvayno-trolleybusnogo upravleniya Leningrada.

YERMACHENKO, Ya.N.; TREFILOV, V.V.

Device for fastening rubber inserts to the packing washers of
LM-57 streetcar wheels. Rats. predl. na gor. elektrotransp.
no.9:42-43 '64. (MIRA 18:2)

1. Depo im. Konyashina Tramvayno-trolleybusnogo upravleniya
Leningrada.

SYROVATKIN, A.F., starshiy nauchnyy sotrudnik; YERMACHENKOV, I.K., inzh.

Floors in livestock buildings. Sbor. nauch. soob. NII sel'stoia
no.3:49-53 '60. (MIRA 15:6)

(Barns) (Floors)

YERMACHENKOV, I. K., Cand Tech Sci (diss) -- "Irrigation for annual planting of the more important woody crops in nurseries on light-brown soils in Stalingrad Oblast". Moscow, 1959. 21 pp (Moscow Order of Lenin Agric Acad im K. A. Timiryazev), 110 copies (KL, No 10, 1960, 134)

BORTSOV, L.; YERMACHENKOV, N.; NIKOLAYEV, V.

Developing industry-wide time norms for the machining of machine
parts. Biul. nauch. inform.: trud i zar. plata 4 no.9:8-10 '61.
(MIRA 15:1)
(Machine industry--Production standards)

YERMACHENKOV, N.N., veterinarnyy vrach; MAKAROV, A.V., veterinarnyy vrach;
RABINOVICH, A.V., veterinarnyy vrach

Therapy of the malignant catarrhal fever of cattle.
Veterinariia 41 no.7:35 36 J1 '64. (MIRA 18:11)

1. Novgorodskiy zootekhnicheskoye-veterinarnyy tekhnikum (for Yermachenkov).
2. Kolkhoz "Voskhod" Kirovskoy oblasti (for Makarov).
3. Sovkhoz "Nivenskiy" Kaliningradskoy oblasti (for Rabinovich).

YERMACHENKOV, N.N., starshiy veterinarnyy vrach.

Infestations of horses by hypoderma. Veterinariia 34 no.5:40-41 My '57.
(MLA 10:6)

1. Dukhnovskaya Mashinno-traktornaya stantsiya, Velikolukskaya oblast'.
(Warble flies) (Horses--Diseases and pests)

LI CHAN KHO [Li, Ch'ang Huo], kand. ekon. nauk; YEFIMACHENKOV, V.,
red.

[Gifts of chemistry] Dary khimii. Alma-Ata, "Kazakhstan,"
1965. 52 p. (MIRA 18:12)

PARYKNOV, M.I.; YERMACHENKOVA, N.A., redaktor; KISINA, Ye.I., tekhnicheskiiy redaktor.

[Preventing waste of sugar in sugar refining] Bor'ba s poteriami sakhara v sakharo-rafinadnom proizvodstve. Moskva, Pishcheprom-izdat, 1953. 27 p.
(Sugar industry) (MLRA 7:7)

YERMACHKOVA, G.S., red.; GURKIN, V., tekhn.red.

[Foreign trade of the U.S.S.R. in 1958; statistical survey].
Vneshniaia trgovlia Soiuza SSR za 1958 god; statisticheski
obzor. Moskva, Vneshtorgizdat, 1959. 159 p. (MIRA 12:9)

1. RUSSIA (1923- U.S.S.R.). Ministerstvo vneshney trgovli. .
Planovo-ekonomicheskoye upravleniye.
(Russia--Commerce)

GRINMAN Isaak Grigor'yevich. Prinimali uchastiye: SAKBAYEV, Zh.M.;
BLYAKH, G.I.; SHAGI-SULTAN, I.Z.; SIRAZUTDINOVA, Zh.A.;
SHTEYN, N.S.; YERMAGAMBETOV, S.B.; KOZLOV, G.S.[deceased];
IVANOV, L.G.; OSHCHENSKIY, V.M.; DZHASYBEKOVA, E.K.;
NURGALIYEVA, Kh. PRESNYAKOV, A.A., doktor tekhn. nauk,
otv. red.; ALEKSANDRIYSKIY, V.V., red.

[Automation of nonferrous metal ore dressing processes]
Avtomatizatsiia protsessov obogashcheniia rud tsvetnykh me-
tallov. Alma-Ata, Izd-vo AN Kaz.SSR, 1964. 213 p.

(MIRA 17:10)

1. Laboratoriya elektroniki i avtomatiki Instituta yadernoy
fiziki AN Kaz.SSR (fo. all except Grinman, Presnyakov,
Aleksandriyskiy).

ACC NR: AT7004869

SOURCE CODE: UR/3158/66/000/045/0001/0006

AUTHOR: Yermagambetov, S. B.; Smirenkina, L. D.; Smirenkin, G. N.;
Tishin, A. S.

ORG: none

TITLE: Angular distribution of fission fragments of thorium 232 by 1.6-Mev
neutrons

SOURCE: Obninsk. Fiziko-energeticheskiy institut. Doklady FEI-45, 1966.
Uglovoye raspredeleniye oskolkov deleniya Th sup 232 neytronami s energiyey
1,6 MEV, 1-6

TOPIC TAGS: thorium, thorium isotope, thorium fission fragments, fission
fragment, angular distribution, nuclear fission, fission product

ABSTRACT: The angular distribution of fragments from thorium 232 fission by
1.6-Mev neutrons is measured by the method of "glasses." Considerable
differences from earlier measurements were noted. An analysis of experimental
data brought out the inaccuracy of earlier identifications of the predominating

Card 1/2

ACC NR:

AT7004869

channels of division of the Th^{232} nucleus and showed considerable vagueness in channel analysis, related to the lack of understanding of the partial cross sections in the formation of a compound nucleus. The authors thank A. S. Soldatov, and V. S. Stavinskiy for their advice and discussion of the work, and G. V. Anikin and V. Ye. Kolesov for assistance in the calculations. Orig. art. has: 2 figures and 3 formulas. [Authors' abstract] [SP]

SUB CODE: 20/SUBM DATE: none/ORIG REF: 004/OTH REF: 007/

Card 2/2

~~YERMAGANBETOV, K.K.~~
YERMAGANBETOV, K.K.

V.I. Lenin on the industrialization of our country and the struggle
of the Communist Party for its realization. Vest. AN Kazakh. SSR 13
no. 11:31-40 N '57. (MIRA 10:12)

(Kazakhstan--Industrialization)

COUNTRY : USSR
 CATEGORY : Soil Science. Tillage. Improvement. Erosion. J
 REG. NO. : RZhBiol., No. 3 1959, No. 10730
 AUTHOR : Lermak, A. P.
 INST. :
 TITLE : Effect of Some Methods of Agricultural Technique on
 Soil Erosion.
 ORGO. TYP : Zemledeliye, 1958, No. 2, 95-96
 ABSTRACT : In the rayons of the coal zone of Stalin oblast', the
 frequently recurring southeastern winds severely damage
 the sowings of winter crops in the presence of a poor
 snow cover. Great damage is also caused by dust storms.
 The use of harrows considerably reduces pulverization and
 blowing-out. Harrows have to be used in tandem with the
 drills. Small-grain crops (millet, etc.) have to be
 rolled with cultipacker across the prevailing winds. --
 F. N. Sofiyeva.

CARD:1/1

50

*Shakhterskiy gosortouchastok, Shakhterskiy rayon,
 Stalinak oblast'*

YERMAK, D., inzh.; ZAKHARCHUK, V., inzh.

The redesigned mines of the Donets Basin should have small-scale buildings. Prom.stroi.i inzh.soor. 4 no.1:23-27 Ja-F '62.
(MIRA 15:8)

(Donets Basin--Mine buildings)

YERMAK, D., inzh.

Location of a surface electric substation in the tower
headframe. Prom. stroi. 1 inzh. soor. 4 no.3:41-42 My-Je '62.
(MIRA 15:7)

(Electricity in mining)

LYUBENKO, G.F., kand. tekhn. nauk; YERMAK, D.S.; MANYCHEV, N.I.

Efficient solutions in designing surface buildings and installations in mines. Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 17 no.4:12-16 Ap '64. (MIR: 17:6)

YERMAK, D.S.

Outdoor distribution of equipment on mines. Prom. stroi. 41
no.1:40-42 Ja '64. (MIRA 17:6)

1. Donetskii nauchno-issledovatel'skiy institut nadshakhtnogo
stroitel'stva.

YERMAK, D.S., inzh.

Use of coal enrichment waste products and centralized heat
supply of mines. Energ. i elektrotekh. prom. no.3:55-57 J1-
S '64. (MIRA 17:11)

VERMAK, F.
~~VERMAK, F.~~

Workers' committee has started to work better. Sov.profsouzy
3 no.7:46-47 J1'55. (MLRA 8:10)

1. Sekretar' partiynoy organizatsii 1-y Demyanskoy MTS, Novgorod-
dkoy oblasti
(Machine-tractor stations)

YERMAK, I.I.; TRAKHTENBERG, G.Kh.

Continuous lines for manufacturing parts of cutting chains.
Mekh.i avtom.proizv. 1/4 no.9:26-29 8 '60. (MIRA 13:9)
(Automatic machinery)

YERMAK, I.I., inzh.; ROMANOV, V.A.

Automatic line for manufacturing coal-mining combine bits. Mekh.
1 avtom. proizv. 15 no. 5:10-11 My '61. (MIRA 14:5)
(Automation) (Metalwork)

YERMAK, I.I.

Achievements of the Soviet coal-mining machinery industry.
Mekh.i avtom.proizv. 15 no.10:15-19 0 '61. (MIRA 14:10)

1. Chlen Gosudarstvennogo komiteta Soveta Ministrov SSSR po
avtomatizatsii i mashinostroyeniyu.
(Coal mining machinery)

S/118/61/000/012/003/003
D221/D304

AUTHOR: Yermak, I.I., Engineer

TITLE: The most important reserve in engineering - the reliability and service life of machines

PERIODICAL: Mekhanizatsiya i avtomatizatsiya proizvodstva,
15.no. 12, 1961, 41-44

TEXT: The economic importance of improving the reliability and service life of machines is illustrated by some examples. Over 1 1/2 billion roubles is spent on maintenance annually. The spares used for tractor repairs could be enough for assembling 180 000 new tractors. The metal used for machine tool upkeep would suffice for manufacturing 150 000 new lathes. The metal used for maintenance during the Seven-Year Plan in the automobile industry is equivalent to 3 million new vehicles. The cost of overhauling and keeping in running conditions of scraper

Card 1/4

S/118/61/000/012/003/003
D221/D304

The most important reserve ...

conveyors in coal mining is equal to the operational cost, whereas the yearly expense on overhaul of the main equipment forms 50% of its initial cost. The annual cost of repairs of single-bucket excavators exceeds 200 million roubles, and the expenditure on manufacture is only 180 millions. The upkeep of universal machine tools is 6-8 times higher than their cost. Over 20% of electric machines are sent for overhaul per year. About 30% of machine tool workers are engaged in maintenance. The problem is whether it is expedient to strive to achieve a maximum machine life. The author suggests a rational index of machine life, i.e. the economically expedient service in specified conditions. The task of designers consists of approaching the lengths of physical and "moral" life which would reduce the overhauls and requirements of spares. There are no statistical data on the operational reliability and service life of machines for the designers. There is no scientifically based theory on the

Card 2/4

The most important reserve ...

S/118/61/000/012/003/003
D221/D304

above. The research in this field should be carried out by the leading machine makers, according to the author. On the other hand, the designer must eliminate the short-comings in components, ensure a correct distribution of stresses, and in particular avoid stress concentrations. The variety of properties in different sections of the same component should be achieved by work hardening. The example of roll burnishing of rope drums and crankshafts for coal combines which increased their life by 2-3 times is quoted. The factory laboratories should establish the service life of components by direct observation and statistical analysis. The diagram of wear of centrifugal pumps used in mines illustrates the use of statistical data. The study of destruction permits means for their check to be devised. The factory laboratories on reliability and life must solve the problems of selecting materials and methods of toughening them, by inviting the help of scientific research, design and technological institutes. Special adequately equipped posts must be

Card 3/4

The most important reserve ...

S/118/61/000/012/003/003
D221/D304

established at the main plants for inspecting the machine operation. The author suggests the appointment of specialists on reliability. The introduction of an index for reliability and also for the service life of the machine seems to be opportune. The chief design institutes must work out a method for calculating the reliability and the service life for components, sub-assemblies and machines, which, according to the author, must be incorporated in a State plan. ✓

Card 4/4

YERMAK, I.I.

Speed up the development of new equipment for the coal and ore mining industry. Mekh.i avtom.proizv. 16 no.8:1-4 Ag '62.
(MIRA 15:9)

1. Chlen Gosudarstvennogo komiteta Soveta Ministrov SSSR po avtomatizatsii i mashinostroyeniyu.
(Mining machinery—Technological innovations)

YERMAK, I.I.

Eliminate heavy manual labor in the coal industry. Mekh. i avtom.
proizv. 17 no. 2:16-18 F '63. (MIRA 16:2)

1. Chlen Gosudarstvennogo Komiteta po avtomatizatsii i mashinostroyeniyu.
(Coal mines and mining--Technological innovations)

YERMAK, Ivan Iosifovich

[Progressive technological processes in coal mining
machinery construction] Progressivnye tekhnologicheskie
protsessy v ugol'nom mashinostroenii. Moskva, Nedra,
1964. 78 p. (MIRA 17:9)

YERMAK, Ivan Iosifovich

[Increasing reliability and longevity in mining machinery
construction] Povyshenie nadezhnosti i dolgovechnosti v
gornom mashinostroenii. Moskva, Izd-vo "Nedra," 1964. 59 p.
(MIRA 17:7)

YEMAK, I.I.

Prospects for using chemical materials in the creation of
new machines for the coal industry. Ugol' 39 no.5:9-12 My '64.
(MIRA 17:8)

1. Gosudarstvennyy komitet tyuzhelogo, energeticheskogo i
transportnogo mashinostroyeniya pri Gosplane SSSR.

31994
S/142/61/004/004/015/018
E192/E382

9,2580 (1159,1163)

AUTHORS: Petrenko, A.I. and Yermak, V.D.

TITLE: A generator of electrical pulses of an arbitrary shape

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy,
Radiotekhnika, v. 4, no. 4, 1961, 491 - 494

TEXT: The device described is based on an electron-optical servo system (Ref. 4 - Korn, G. and Korn, T., Electronic analogue devices, Izd-vo in. lit-ry, 1955; Ref. 5 - N.A. Hambey - Electronic Engng., February, 1958, 91). The generator is illustrated in the block schematic of Fig. 1. A non-transparent mask or screen 2, made of plastic, is placed in front of the screen of an electrostatically controlled cathode-ray tube; one edge (or profile) of the mask has the shape of the required non-linear function or pulse. A photomultiplier 3 is situated at a certain distance from the mask; the photomultiplier is coupled through the amplifier 4 with the vertical deflecting plates of the cathode-ray tube. The amplifier also receives a biasing voltage V_0 , which is used for setting the

Card 1/1

S/142/61/004³¹⁹²⁴/004/015/018
E192/E382

A generator of

initial position of the ray. The horizontal deflection plates of the tube receive a time-base voltage V_x through the amplifier 5. The closed-loop system consisting of the screen, photomultiplier, amplifier, vertical deflection plates of the tube and the screen forms an electron-optical servo system. The operation of the generator is as follows. When the photomultiplier is switched off (open-loop system) the position of the spot on the screen of the tube is set by means of the voltage V_0 . When the photomultiplier is connected, the light emitted by the screen results in the photo-current flowing in the multiplier. The voltage drop produced by this current across the resistance load of the photomultiplier is amplified by the amplifier 4 and applied to the vertical deflection plates of the tube with such polarity that the ray moves downwards towards the mask. When the ray reaches the edge of the mask its further movement results in a reduction of the light emitted by the screen and so the current of the photomultiplier and its output voltage V_0 are reduced. This reduction continues until

Card 2/4

31994

S/142/61/004/004/015/018
E192/E382

A generator of

the difference between the initial value of the voltage V_0 and the potential drop V produces such a voltage at the vertical deflection plates that the spot becomes stationary at the edge of the mask. If the time-base voltage V_x is changed linearly, the ray will follow the whole profile of the mask, i.e. the voltage at the vertical deflection plates will vary in accordance with the given nonlinear function. It is seen that the instrument of Fig. 1 has many circuits in common with a standard oscilloscope and the actual instrument built by the authors was in the form of an ancillary unit connected to a standard oscilloscope. The generator unit was fitted with a pair of cathode-followers which were connected to the deflection plates of the cathode-ray tube. The experiments conducted with the equipment showed that a given function could be reproduced with an error of 1 - 1.5%, this being primarily dependent on the speed of the time base and the focusing of the bright spot.

Card 3/4

A generator of

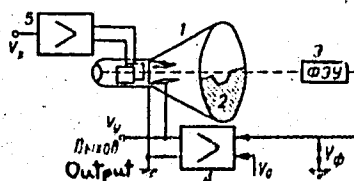
31994
S/142/61/004/004/015/018
E192/E382

There are 3 figures and 6 reference: 5 Soviet-bloc (one of which is translated from English) and 1 English - quoted in the text.

ASSOCIATION: Kafedra elektronnykh i ionnykh priborov Kiyevskogo ordena Lenina politekhnicheskogo instituta
(Department of Electronic and Ionic Devices of Kiyev Order of Lenin Polytechnical Institute)

SUBMITTED: September 20, 1960

Fig. 1:



Card 4/4

YERMAK, M.I.

YERMAK, M.I.

Bloodless avulsion of the upper extremity. Vest.khir. 79 no.10:
128-129 0 '57. (MIRA 10:12)

1. Iz khirurgicheskogo otdela (zav. - kand. med.nauk N.I.Gerasimenko)
TSentral'noy bol'nitsy Angarskogo stroitel'stva. Adres avtora:
Khimki, Moskovskoy oblasti, sanatoriy "Novogorsk."
(ARM, wds. & inj.
amputation, traum., bloodless (Rus))

YERMAK, M.I.

Industrial trauma in new construction projects, according to data
on an industrial clinic. Sov. med. 24 no.4:153-156 Ap '60.
(MIRA 13:8)

(BUILDING---ACCIDENTS)

8/0208/64/004/005/0950/0954

ACCESSION NO: APL005710

AUTHORS: Yermak, Yu. N. (Moscow); Meyland, V. Ya. (Moscow)

TITLE: Theory of three-dimensional laminar boundary layer

SOURCE: Zhurnal vychislitel'noy matematiki i matematicheskoy fiziki, v. 4, no. 5, 1964, 950-954

TOPIC TAGS: differential equation, boundary layer, numerical solution

ABSTRACT: The authors obtain a generalization of the Krokko integral for a three-dimensional boundary layer. The creation of precise numerical methods for a two-dimensional boundary layer produced additional possibilities for solution of the three-dimensional case, when the three-dimensional problem reduces to two and one dimensions. In a neighborhood of a critical point on the run-off and flow lines, the problem essentially becomes one- or two-dimensional, and solution methods are known. The authors treat examples to illustrate this and give numerical results in a table. From the computations they obtain a simple formula for engineering applications. Orig. art. has: 7 formulas and 1 table.

ASSOCIATION: none

Card 1/2

ACCESSION NR: AP4045718

ENCL: 00

SUBMITTED: 03Jan64

OTHER: 002

SUB CODE: MA

NO REF SOV: 007

Card 2/2

YERMAKOV, A.

112-2-3559

Translation from: Referativnyy Zhurnal, Elektrotehnika, 1957,
Nr 2, p.152, (USSR)

AUTHOR: Yermakov, A.

TITLE: Electric Fences (Elektricheskiye izgorodi)

PERIODICAL: Kolkhoznoye proiz-vo, 1956, Nr 5, pp.33-34

ABSTRACT:

A description of an electric fence and of the 3П-1 electric pulsator is given. The fence is built of bare, galvanized steel wire 1 to 1.5 mm in diameter, 1100 to 1300-mm-long, 40 by 40-mm cross-section wooden posts, and an electric pulser. The wire is strung once around the coral and is fastened to special insulators or type

ПТ-6 wire carriers fixed to the posts. The posts are fitted with metal pedals to facilitate driving them into the ground to a depth of 0.25 to 0.3 m. The posts are set up at intervals of 25 m. The conductor is hung at a height of 0.7 m to 0.8 m for long horn cattle, at 0.4 to 0.5 m for grown pigs, and for sheep and goats at 0.25 to 0.5 m and 0.8 m. The two free ends of the conductor are grounded. The cattle enter the coral through

Card 1/3

112-2-3559

Electric Fences (Cont.)

voltage, pulsating current in the secondary winding. At a primary voltage of 4.5 to 6 volts and a pulse frequency of 50 to 60 periods per minute, there is a pulsating current of 15 to 25 milliamperes and 9 to 12 kv. When livestock come into contact with the conductor under this charge, they feel the electric shock and avoid contact with the wire thereafter. The fence has been successfully tested at the "Vpered" collective farm in the Kashir region, Moscow oblast.

I.V.I.

Card 3/3

POLYAKOV, N.; YERMAKOV, A., inzh.

Readers' letters. Za rul. 19 no. 2:16 P '61.

(MIRA 14:4)

1. Nachal'nik laboratorii TsKEB mototsiklostroyeniya (for Polyakov).
(Motortrucks—Tires) (Motorcycles—Maintenance and repair)

SOV/85-58-11-30/33

AUTHOR: Yermakov, A. Sr Inspector of DOSAAF Central Committee (TsK DOSAAF)
TITLE: World Champions in Model Aircraft Building (Championaty mira po avismodelizmu)
PERIODICAL: Kryl'ya rodiny, 1953, Nr 11, pp 30-31 (USSR)
ABSTRACT: The author reports on the August to September 1958 Competitions held in model aircraft building in England and Belgium. There are 2 photographs.
ASSOCIATION: TsK DOSAAF (DOSAAF Central Committee).

Card 1/1

YERMAKOV, A.; YERMOVA, Ye., redakter; MUNTIAN, T., tekhnicheskiy redakter.

[Searing airplane models] Pariashchaia model' sameleta. Moskva,
Isd-vo DOSAAF, 1955. 39 p., fold.diagram. (MLRA 9:5)
(Airplanes--Models)

YERMAKOV, A.

Motor soaring airplane-glider model Kryl.rod. 6 no.4:Insert
Ap '55. (MIRA 8:9)
(Airplanes--Models) (Gliders (Aeronautics)--Models))

YERMAKOV, A.
AID P - 3130

Subject : USSR/Aeronautics

Card 1/1 Pub. 58 - 16/24

Author : Yermakov, A.

Title : ~~On the aerodrome of Yami-Yarvi~~ (International aircraft modelers competition in Finland)

Periodical : Kryn. rod., 10, 21, 0 1955

Abstract : The author reports on an aircraft modeler international competition held in Finland in which the USSR and Sweden took part. He gives some characteristics of various aircraft models, their performances and the names of competitors. Diagram, table of the characteristics of the Khanzen airfoils.

Institution : Yami-Yarvi Airfield of the Finnish Gliding School.

Submitted : No date

YERMAKOV, A.

AID P - 4718

Subject : USSR/Aeronautics - Aircraft (models)

Card 1/1 Pub. 58 - 13/14

Author : Yermakov, A.

Title : Adjustment and Launching of Motor-driven Soaring Aircraft Models.

Periodical : Kryl. rod., 6, 20-21, Je 1956

Abstract : The author discusses the stability of the models as dependent on the enpennage, and gives some indications with respect to the most suitable length of the models' front part. A series of advices are also offered for proper adjustment of the position of the wings, of the stabilizer and of the engine, purported to ensure a successful landing and a longer flight of the models. 8 designs.

Institution : None

Submitted : No date

YERMAKOV, A.

AID P - 4903

Subject : USSR/Aeronautics - Model Building

Card 1/1 Pub. 58 - 9/12

Author : Yermakov, A.

Title : International competition of model builders in Hungary

Periodical : Kryl. rod., 18, 13-15, Ag 1956

Abstract : The article gives a technical account of the competitions and supplies information on the records established by the teams of the participating countries. Some particular features of the best models are described. 5 tables, 4 designs, 1 photo.

Institution : None

Submitted : No date

AID P - 5314

Subject : USSR/Aeronautics - Model Building

Card 1/1 Pub. 58 - 8/15

Authors : Yermakov, A., Ye. Kucherov, V. Subbotin, V. Petukhin

Title : The victory of the Soviet model-builders

Periodical : Kryn. rod., 11, 13-14, # 1956

Abstract : An account of the International Competitions of the Builders of Soaring Aeroplane Models Equipped with Piston Engines, held in 1956 in Yugoslavia under the auspices of the F.I.A. The main features of the design of some competing models are outlined. The model presented by the champion of Europe, Soviet sportsman V. Petukhov, is described in detail. 1 drawing, 1 photo.

Institution : None

Submitted : No date

YERMAKOV, A.

Model airplane championship of the world. Kryl.rod. 9 no.11:
30-31 M '58. (MIRA 12:2)

1. Starshiy inspektor Tsentral'nogo komiteta Dobrovol'nogo
obshchestva sodeystviya armii, aviatsii i flotu.
(Airplanes--Models)

YERMAKOV, A., glavnyy sud'ya sorevnovaniy

Cord-fabric models are flying. Kryl.rod. 11 no.11:24-25 II '60.
(MIRA 13:10)

(Airplanes--Models)

YERMAKOV, A.

According to new rules. Kryl.rod. 12 no.3:26-27 Mr '61.
(MIRA 14:6)

1. Starshiy inspektor Tsentral'nogo komiteta Dobrovol'nogo
obshchestva sodeystviya armii, aviatsii i flotu.
(Airplanes--Models)

YERMAKOV, A.

Let's consult... Grazhd. av. 21 no.11:10-11 N '64. (MIRA 18:3)

1. Nachal'nik politicheskogo otdela Uzbekskogo upravleniya
grazhdanskoy aviatsii.

YERMAKOV, A., sud'ya vnesoyuznoy kategorii; PIZHONKOV, G., sud'ya
vnesoyuznoy kategorii

A sports "air battle." Kryl. rod. 16 no.6:28 Ja '65.
(MIRA 18:10)

YERMAKOV, A.

Device for fitting glass in windows. Avt. transp. 43 no.8:
44 Ag '65. (MIKA 18:9)

ACC NR: AP7003747

SOURCE CODE: UR/0314/67/000/001/0044/0047

AUTHOR: Chernyshev, V. M. (Candidate of technical sciences); Kuznetsov, P. S. (Engineer); Yermakov, A. A. (Engineer)

ORG: none

TITLE: Visual methods of x ray inspection of welded seams

SOURCE: Khimicheskoye i neftyanoye mashinostroyeniye, no. 1, 1967, 44-47

TOPIC TAGS: x ray detection, x ray equipment, weld defect

ABSTRACT: Due to the labor and material cost of photo x-raying welds in chemical and petroleum equipment, most manufacturers now actually examine only 10--15% of welded seams. Visual x-ray inspection is expanding with the use of fluorescent or luminous screens, scintillation detectors, and electrooptical shadow converters, all of which methods are 10--15 times more efficient than photo x-raying and allow 100% inspection of all welds. For fluorescent-screen radioscopy of steel products more than 12 mm thick the Soviet industry uses betatrons as the radiation source, whereas foreign, e.g., British, industry prefers linear accelerators, but both are too cumbersome for use on welded pipe. A description is given of x-ray apparatus with fluorescent screen. The apparatus cannot be used with steel more than 12 mm thick. A much better type is the British fluoroscope with a Marconi superorthicon image tube, used to detect shrink holes in steel blooms. In the Soviet Union, radioscopy

Card 1/2

UDC: 621.774.63.06

ACC NR: AP7003747

with scintillation detectors is being developed at the VNIIintroskopiya, Moscow, and NIIintroskopiya at Tomsk Polytechnic Institute (NIIintroskopiya pri Tomskom politekhnicheskom institute). The x-ray amplifier produced by the Müller company in Hamburg is described. This method of visual inspection is called the most efficient. The Soviet Union is now producing serially the ERGA-S roentgenograph, developed at the NIIelektrografiya Vilnius, which detects flaws in steel up to 30-mm thick, employing selenium plates which can be used repeatedly. Orig. art. has: 6 figures.

SUB CODE: 13, ^{//}~~20~~/ SUBM DATE: none/ ORIG REF: 002/ OTH REF: 003.

Card 2/2

ZAGLYADIMOV, Dmitriy Petrovich; PETROV, Aleksandr Petrovich;
SERGEYEV, Yevgeniy Stepanovich; AKHRAMOVICH, L.K.,
retsenzent; VARGIN, S.N., retsenzent; YERMAKOV, A.A.,
retsenzent; KOZAK, V.A., retsenzent; MODZOLEVSKIY,
I.V., retsenzent; PERSHIN, B.F., retsenzent; PIVENSITEYN,
D.I., retsenzent; PROKOF'YEV, A.G., retsenzent; SMETANIN,
A.I., retsenzent; SHESTAKOV, A.I., retsenzent; RYSHUK,
N.S., red.

[Organization of traffic in railroad transportation] Orga-
nizatsiia dvizheniia na zheleznodorozhnom transporte.
Izd.4. Moskva, Transport, 1964. 542 p. (MIRA 18:1)

IVANOV, V.H., kand. tekhn. nauk, dotsent; KARPUKHIN, Ye.D., inzh.;
YERMAKOV, A.A., inzh.

Universal stand for laboratory investigations of drilling
tools and processes of rock drilling. Izv. vys. ucheb. zav.;
mashinostr. no.11:82-88 '63.

(MIRA 17:10)

1. Moskovskoye vyssheye tekhnicheskoye uchilishche imeni
Baumana.

YERMAKOV, A.D.

Universal die for working parts in groups. Kuz.-shtan.proizv.
1 no.5:41-43 My '59. (MIRA 12:10)
(Dies (Metalworking))

87891

S/114/60/000/005/005/006
E194/E255

1.5600

AUTHORS: Mironenko, P. G. and Yermakov, A. D., Engineers
TITLE: Semi-automatic Machining of the Backs of Steam-Turbine Blades

PERIODICAL: Energomashinostroyeniye, 1960, No. 5, pp. 37-38

TEXT: The high-output copying-milling machine model 642K is intended for machining the outer profile of turbine blades. Its use has been hindered by the nature of the fixture provided for holding the blades. As the blades were not held accurately and rigidly enough, it was necessary to clamp them by hand: consequently the machine was shut down for more than half of the time. Accordingly, P. G. Mironenko of the Kaluga Turbine Works developed and designed a new fitting with two high-speed hydraulically-operated clamps, which fix blades accurately and firmly in both the vertical and horizontal planes. The operating cylinder is connected to the hydraulic system of the machine tool, which is at a pressure of 15 atm. A sketch of the fitting is given and its construction is described. The two clamps work in sequence with gradually increasing pressure, so that the blade is

Card 1/2

87891

S/114/60/000/005/005/006
E194/E255

Semi-automatic Machining of the Backs of Steam-Turbine Blades
very accurately located and firmly held. When short blades are
being machined the upper clamp is unnecessary. A standard
reference blade is inserted into the fitting and adjusted so that
the machine copies it exactly in making the production blade. X
Automatic correction is made for wear of the milling tools. The
use of this semi-automatic fixture increased the labour product-
ivity of the process of machining the backs of blades by 250%.
The output of machined parts rose from 350 to 500 parts per shift.
There are 2 figures.

Card 2/2

AGEYEVA, A.P.; AKSENOVA-CHEKASOVA, A.S., aspiranka; VELIKANOV, L.N., bibliotekar'; GAVVA, F.M.; GIRENKO, P.D., Geroy Sots. truda; GUBANOV, M.M., pensioner; GUS'KOVA, T.K., nauchnyy sotr.; DAVYDOV, A.G., prepodavatel'; DANILEVSKIY, V.V., prof., dvazhdy laureat Stalinskoy premii; DOVGOPOL, V.I., laureat Stalinskoy premii; YELOKHIN, M.F.; YERMAKOV, A.D.; IVANOV, V.G., prepodavatel'; KOVALEVICH, V.K.; KOVALEVSKAYA, Ye.S., zhurnalistka; PANKRATOV, A.G.; POPOVA, F.M.; URYASHOV, A.V.; FEDORIN, I.M., kand. ist. nauk; FILIPPOV, F.R.; CHUMAKOV, N.P.; SHEPTAYEV, K.T., zhurnalist; VAS'KOVSKIY, O.A., kand. ist. nauk, retsenzent; KULAGINA, G.A., kand. ist. nauk, retsenzent; GORCHAKOVSKIY, P.L., prof., doktor biol. nauk, retsenzent; BAKHMUTOVA, V., red.; SAKNIN, Yu., tekhn. red.

[Nizhniy Tagil] Nizhniy Tagil. Sverdlovsk, Sverdlovskoe knizhnoe izd-vo, 1961. 294 p. (MIRA 16:1)

1. Nizhne-Tagil'skiy krayevedcheskiy muzey (for Ageyeva, Gus'kova).
2. Zaveduyushchiy gorodskim otделom narodnogo zdravookhraneniya, Nizhniy Tagil (for Velikanov).
3. Zaveduyushchiy gorodskim sel'skokhozyaystvennym otделom goroda Nizhniy Tagil (for Gavva).
4. Nachal'nik upravleniya stroitel'stvom Sverdlovskogo sovarkhoza (for Girenko).
5. Deystvitel'nyy chlen Akademii nauk Ukr. SSR, Leningradskiy politekhnicheskii institut (for Danilevskiy).

(Continued on next card)

YERMAKOV, A.F.

VITIN, G.V., inzhener; YERMAKOV, A.F., inzhener.

Production of bent shapes. Stal' 17 no.5:458 463 My '57. (MIRA 10:6)

1. Gosudarstvennyy institut po proyektirovaniyu metallurgicheskikh zavodov.

(Steel--Cold working)

YERMAKOV, A.F., inzh.

Cold-bent steel shapes. Nov. 1 tekhn. mont. 1 spets. rab. v
stroit. 21:13-15 Je '59. (MIRA 12:8)

1. Gosudarstvennyy institut proyektirovaniya metallurgicheskikh zavodov.
(Steel--Cold working)

YERMAKOV, A. G., YAROSH, N. P., and SICHKAR, N. M. (USSR)

"Theoretical Principles of the Selection of Chemical Composition."

Report presented at the 5th International Biochemistry Congress,
Moscow, 10-16 Aug 1961