

YEVTUSHENKO, A. I.

27065 YEVTUSHENKO, A. I. Puti i vozmozhnosti snizheniya raskhoda topliva na predpriyatiyakh Yuga. Za ekonomiyu topliva, 1949, No.8, s. 24-26.

SO: Letopis' Zhurnal'nykh Statey, Vol. 36, 1949

LIFSHITS, Isaak Grigor'evich, prepodavatel'; KHITROV, Vyacheslav
Grigor'yevich, prepodavatel'; YEVTUSHENKO, Aleksey
Ivanovich, prepodavatel'; KOPELYANSKIY, G.D., otv.red.;
PETRAKOVA, Ye.P., red.izd-va; SABITOV, A., tekhn.red.

[Building materials, constructions and parts] Stroitel'nye
materialy, izdeliia i detali. Moskva, Ugletekhizdat, 1959.
222 p. (MIRA 12:11)

1. Rostovskiy-na-Donu gornostroitel'nyy tekhnikum.
(Building materials) (Concrete construction)

YEVTUSHENKO, A.M.

BARANOV, A.F., redaktor; HUDOY, E.F., redaktor; SOLOGUBOV, V.N., kandidat
 tekhnicheskikh nauk, otvetstvennyy redaktor toma; ALBEGOV, N.A.,
 kandidat tekhnicheskikh nauk; VASIL'YEV, B.K., inzhener; VERSHINSKIY,
 S.V., kandidat tekhnicheskikh nauk; VIROGRADOV, G.P., kandidat tekhnicheskikh nauk; VINOKUROV, M.V., professor, doktor tekhnicheskikh nauk; GOLOVANOV, V.G., kandidat tekhnicheskikh nauk; GORDEYEV, A.S., dotsent, kandidat tekhnicheskikh nauk; GURSKIY, P.A., dotsent, kandidat tekhnicheskikh nauk; GUREVICH, A.N., kandidat tekhnicheskikh nauk; DOMBROVSKIY, A.B., dotsent; YEGORCHENKO, V.F., professor, doktor tekhnicheskikh nauk; IVANOV, V.N., professor, doktor tekhnicheskikh nauk; KARVATSKIY, B.L., professor, doktor tekhnicheskikh nauk; MUCHKIN, I.N., kandidat tekhnicheskikh nauk; POPOV, G.V., inzhener; PROSKURNEV, P.G., inzhener; SANOVTSEV, K.A., inzhener; SPICHASTNOV, I.F., dotsent, kandidat tekhnicheskikh nauk; SLOMYANSKIY, A.V., dotsent, kandidat tekhnicheskikh nauk; STEPANOV, A.D., dotsent, kandidat tekhnicheskikh nauk; SYROMYATNIKOV, S.P., akademik[deceased]; TERNOVSKIY, V.A., dotsent, kandidat tekhnicheskikh nauk; TRUBETSKOY, V.A., kandidat tekhnicheskikh nauk, KHOZHLOV, N.F., kandidat tekhnicheskikh nauk; SHAROHIN, V.S., kandidat tekhnicheskikh nauk; SHLYKOV, Yu.P., dotsent, kandidat tekhnicheskikh nauk; YEVTUSHENKO, A.M., kandidat tekhnicheskikh nauk, retsenzent; IVANOV, V.N., professor, doktor tekhnicheskikh nauk, retsenzent; PANOV, N.I., dotsent, kandidat tekhnicheskikh nauk, retsenzent; SLOMYANSKIY, A.V., dotsent, kandidat tekhnicheskikh nauk, retsenzent; UTIANSKIY, L.I., inzhener, retsenzent; NESTYKSA, V.M., professor, doktor tekhnicheskikh nauk, retsenzent;

(Continued on next card)

BARANOV, A.F., -- (Continued) Card 2.

TOPORNIK, G.S., inzhener, retsenzent; DOMBROVSKIY, A.B., dotsent; retsenzent; POYDO, A.A., kandidat tekhnicheskikh nauk, retsenzent; YAKOBSON, P.Ye., laureat Stalinskoy premii; dotsent; kandidat tekhnicheskikh nauk, retsenzent; POPOV, A.A., professor, doktor tekhnicheskikh nauk, retsenzent; PROSKURNEV, P.G., inzhener, retsenzent; SAFONTSEV, K.A., inzhener, retsenzent; SERAFIMOVICH, V.S., kandidat tekhnicheskikh nauk; retsenzent; TRAVIN, P.I., inzhener, retsenzent; FOKIN, K.F., kandidat tekhnicheskikh nauk, retsenzent; SHCHERBAKOV, V.P., inzhener, retsenzent; SHADUR, L.A., dotsent; kandidat tekhnicheskikh nauk, retsenzent; TIKHONOV, P.S., inzhener retsenzent; TKACHENKO, F.D., inzhener; retsenzent; BABICHKOV, A.M. professor, doktor tekhnicheskikh nauk, retsenzent; KOROSTYLEV, A.I. inzhener, retsenzent; LEVITSKIY, V.S., dotsent; kandidat tekhnicheskikh nauk, retsenzent; KLYKOV, A.F., inzhener, retsenzent; SOLOGUBOV, V.N. redaktor; SHISHKIN, K.A., redaktor; SLOMYANSKIY, A.V. redaktor; SALENKO, S.V., redaktor; YUDZON, D.M. tekhnicheskiiy redaktor.

[Technical reference book for railroad men] Tekhnicheskii spravochnik zheleznodorozhnika. Redaktsionnaya kollegiya: A. F. Baranov, i dr. Glav.redaktor. E. F. Rudoi. Moskva, Gos.transp.zhel-dor.izd-vo. Vol. 6 [Rolling stock] Podvizhnoi sostav. 1952. 955 p. (MLRA 8:9) (Railroads--Rolling-stock)

YEVTUSHENKO, A.M.

BARTOSH, Ye.T., kandidat tekhnicheskikh nauk; YEVTUSHENKO, A.M., kandidat tekhnicheskikh nauk; SHEVCHENKO, L.A., inzhener.

Gas turbine locomotive with two-stage fuel combustion. Vest.
TSNII MPS 15 no.1:3-8 Ag '56. (MLRA 9:12)

(Gas turbine locomotives)

YEVTUSHENKO, A.M.

NAME I BOOK EXAMINATION

507/516

Moscow, Vsesoyuznyy nauchno-issledovatel'skiy institut avtomaticheskogo upravleniya
Voprosy avtomaticheskogo upravleniya i transportnyy upravleniya, sbornik statey
(Problems in Gas-Turbine Locomotive Building and Heat-Power Engineering in
Transportation; Collection of Articles) Moscow, Transportnoyeh, 1968. 214 p.
(1st. vyd., 197. 197) 1,000 copies printed.

Publishing Agency: Vsesoyuznyy nauchno-issledovatel'skiy institut avtomaticheskogo
transporta.

Ed.: (Title page) Ye. F. Baranov, Candidate of Technical Sciences, and A. V.
Kashyurov, Candidate of Technical Sciences; Ed. (Inside book): I. K. Peshkovskiy;
Tech. Ed.: P. A. Dilyov.

SUBJECT: This book is intended for engineering and technical personnel.

CONTENTS: The book consists of 15 articles on the results of theoretical investigation
of gas turbine units with two-stage fuel combustion and on theoretical and
laboratory investigations of air tank units and their components. Special attention
is given to the investigation of the combustion process in a piston chamber and
of variable regimes of locomotive gas turbine engines and problems of fuel
economy in locomotive and stationary units are discussed. In particular, the
mentioned. References accompany some of the articles.

Author: Ye. F. Baranov, Candidate of Technical Sciences. Flow Distribution
in Chambers of Engines

Ye. F. Baranov, Candidate of Technical Sciences. Cutting the Flow
of Fuel in the Combustion Chamber

Kashyurov, A. V., Candidate of Technical Sciences, Ye. F. Baranov,
Candidate of Technical Sciences, and Ye. F. Baranov, Candidate of
Technical Sciences. Aerodynamic Investigation of Gas Turbine Locomotive Air Tank Engines

Lyubimov, L. I., Engineer. Determining Tolerances for the Dimensions
of Centrifugal Fuel Pumps

Gerasimov, P. M., Engineer, Candidate of Technical Sciences, and
A. V. Dilyov, Engineer. Influence of Operator Gas Regulation on
the Combustion Process in a Piston Chamber

Pecher, B. V., Candidate of Technical Sciences. Experimental Investigation
of the Combustion Process in a Piston Chamber

Pecher, B. V., Engineer. Investigation and Selection of Types of
Steam Pumps for Small Aircraft Power Plants

Pecher, B. V., Engineer. Aerodynamics of the Combustion Chamber
of a Gas Turbine Engine with Variable Regime Fuel Injection

Kashyurov, Ye. M., Engineer. Test Stand for a Gas Turbine Engine
in the Air Flow of a Gas Turbine Locomotive

AVIATION: Library of Congress

YAMINSKIY, Vladimir Vasil'yevich; YEVYUSHENKO, A.M., kand.tekhn.nauk,
retsensent; DANILOV, L.N., red.izd-va; SAMIROVA, G.V.,
tekhn.red.

[Rotary compressors; problems of theory, calculation, and design]
Rotornye kompressory; voprosy profilirovaniia, teorii i rascheta.
Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960.
221 p. (MIRA 14:3)

(Compressors)

YEVTUSHENKO, A.M., kand.tekhn.nauk

French gas-turbine locomotives with free-piston gas generators.

VIST. MPS 19 no.4:59-61 '60. (MIRA 13:7)

(France--Gas-turbine locomotives)

~~YEVYUSHEV~~ A. M., kand.tekhn.nauk

Principles for cutting self-packing equisectional oil seal rings.
Trudy TSNII MPS no.187:99-109 '60. (MIRA 13:11)
(Gaskets)

S/262/62/000/007/007/016
1007/1207

AUTHOR: Yevtushenko, A. M. and Sharunin, A. A.

TITLE: Investigations on ЦНИИ МПС (TsNII MPS) cast iron stuffing boxes

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk. 42. Silovyye ustanovki, no. 7, 1962, 53, abstract 42.7.237, "Tr. Vses. n.i. in-ta zh.d. transp", no. 214, 1961, 137-147

TEXT: Results are reported on comparative investigations of a piston-rod three-chamber stuffing box with six rings (design of the TsNII MPS type, initially mounted by the Lugansk plant on free piston gas engines) and on a five-chamber stuffing box with five rings. The second design has certain advantages as compared with the first type at statically steady inlet and outlet pressures. The authors suggest to use stuffing boxes with a single ring in the sealing chamber. Study of the behavior of such seals requires further "dynamic" tests on a special unit mounted in the buffer cavity of a full scale free piston gas engine. There are 6 figures and 8 references.

[Abstracter's note: Complete translation.]

Card 1/1

YEVTUSHENKO, A.M., kand.tekhn.nauk

Statics of self-packing seal rings composed of equal sections.

Trudy TSNII MPS no.214:148-166 '61.

(MIRA 14:8)

(Packing (Mechanical engineering))

2/5
ACCESSION NR: AT4049526

ASSOCIATION: Всесоюзный научный железнодорожный институт железнодорожного
транспорта, Moscow (All-Union Scientific Research Institute of Railroad
Transportation)

SUBMITTED: 00

ENCL: 00

SUB CODE: PR, IE

YEVTUSHENKO, A.S., inzh. (Khar'kov); RABINOVICH, M.D., inzh. (Khar'kov)

Automation of central air-conditioners with consecutive operation
of pneumatic actuating mechanisms. Vod. i san. tekhn. no.11:29-30
N '65. (MIRA 18:12)

YEVTUSHENKO, A.V., student VI kursa

Epithelial systs and fistulae of the sacrococcygeal region.

Nov.khir.arkh. no.1:46-50 '62.

(MIRA 15:8)

1. Kafedra obshchey khirurgii (zav. - zasl. deyatel' nauki, prof.
M.I. Kolomiychenko) Kiyevskogo meditsinskogo instituta.

(SACROCOCYGEAL REGION—DISEASES)

PLAKSIN, A.I.; YEVTUSHENKO, A.Ya.

Dynamics of the functional state of the neuromuscular apparatus
in experimental tumors. Biul. eksp. biol. i med. 55 no.2:96-99
F'63. (MIRA 16:6)

1. Iz kafedry patologicheskoy fiziologii (zav. - dotsent S.P.
Senderikhin) Kemerovskogo meditsinskogo instituta.
(CANCER RESEARCH) (ELECTROPHYSIOLOGY)

YEVTUSHENKO, A. YE., CAND TECH SCI, "HEATING ~~OF~~ OF
ENCLOSED DIRECT CURRENT ELECTRIC MOTORS USED ON AIRCRAFT."
KIEV, 1961. (KIEV ORDER OF LENIN POLYTECH INST). (KL,3-61,
215).

YEVTUSHENKO, F.A.; YEN'KOV, Ye.V.; PEKKER, A.N.

Natural gas to intensify the heating of ingots. Metallurg
10 no.5:25-26 My '65. (MIRA 18:6)

1. Zavod "Zaporozhstal".

DOLMATOV, F.M.; YEVTUSHENKO, F.A.; ZAGORUL'KO, Yu.V.

Redesign of slabbing mills and an increase in the production
of slabs. Metallurg 8 no.11:22-24 N '63. (MIRA 16:12)

YEVTUSHENKO, F.Ye.; CHEREZOVA, T.Ye.

Rack for separating funnels for vitamin A tests. Veterinariia 33
no.11:82 N '56. (MIRA 9:11)

1. Zaveduyushchiy Bologovskoy mezhrayonnoy vetbaklaboratoriyey
(for Yevtushenko), Kalininskaya oblast'. 2. Veterinarnyy vrach
Bologovskoy mezhrayonnoy vetbaklaboratorii, Kalininskaya oblast'
(for Cherezova).

(Laboratories--Apparatus and supplies)

YEVTUSHENKO, F.Ye.

Effective method for cutting small skin samples for Ascoli's test.
Veterinariia 34 no.2:78 F '57. (MIRA 10:11)

1. Zaveduyushchiy Bologovskoy mezhrayonnoy vetbaklaboratoriyey,
Kalininskoy oblasti.

(Veterinary instruments and apparatus)

YEVUSHENKO, G.

Manual on practical studies in industrial hygiene. M.K. Berozova,
Z.I. Izrael'son, E.V. Klenova, O.IA. Mogilevskaya. Reviewed by
Z. Gorkin, M. Karminskii, L. Karlson, E. Al'bitskaya, G. Evtushenko.
Gig. i san. no. 4:58-60 Ap '53.

YEVYUSHENKO, G. A.																									
COMMON ELEMENTS													COMMON ELEMENTS												
<p>Physiology of the germination of tobacco seed. G. A. Yevyushenko. <i>Vsesoyuz. Nauch. Issledovatel. Inst. Tabak. i Sliv. Prom. No. 138, 3-30 (1939); Chimie & Industrie 43, 778.</i> During the ripening of tobacco seed, the nicotine and sugar contents decrease while their oil content increases considerably. Towards the end of the period of physiol. maturity of the seed, nicotine disappears completely and the sugar content (contg. about 80% sucrose) falls to 2-3%; at the same time the oil content reaches its max. value (40%). Physiologically mature seed contain no starch. Sol. sugars play an important part in the life of the seed; they constitute the reserve food for primary consumption; this assures the first period of germination.</p> <p style="text-align: right;">A. Papineau-Couture</p>																									
<p>ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																									
<p>RESEARCH AND DEVELOPMENT</p>																									
<p>RESEARCH AND DEVELOPMENT</p>																									

<p>YEVTUSHENKO, G. A.</p> <p>11D</p>	
<p>The most important results of the investigations of the physiological section of the Tobacco and Makhorka Institute (VITIM): G. A. Evtushenko. <i>Tobak</i> 10, No. 6, 42-41 (1940); <i>Chem. Zvest.</i> 1941, 1, 501; cf. C. A. 34, 11328. — Results are reported on the effect of the duration of daily exposure of the tobacco plants to light, on the methods of rooting of the cuttings, physical peculiarities of the germination of the tobacco seed, the extent and rhythm of development of the root growth and the effect of drought. It was found that the grafting of nicotine-contg. tobacco on the nicotine-free species, <i>Nicotiana glauca</i>, resulted in plants which were free from nicotine but which contained in place of the nicotine, the alkaloid anabasine. By suitable grafting, it was likewise possible to increase or reduce the nicotine content of the grafted plants. A K deficiency during the period just after planting not only reduced the yield but also reduced the carbohydrate content of the plant; P and protein were simultaneously increased. The longer the K deficiency lasted the more the quality of the crop suffered. Fertilizing with K must not be postponed more than 25 days after planting if a reduction in yield and quality is to be avoided.</p>	
<p>ASH-SLA NEFALLUPOMAL LITERATURE CLASSIFICATION</p>	
<p>SAFONOV #2</p>	
<p>SHOULD NOT USE</p>	
<p>RELATIONS</p>	
<p>RELATIONS</p>	

YEVTUSHENKO, G.A.
YEVTUSHENKO, G.A.

Use of growth promoting substances for accelerated forcing and
increasing the viability of tobacco seedlings. Trudy Biol.inst.
Kir. FAN SSSR no.1:41-58 '47. (MIRA 8:10)
(Tobacco) (Growth promoting substances)

YEVYUSHENKO, G.A.

Field experiment in determining losses of water by plants through
transpiration. Trudy Biol. inst. KirFAN SSSR no. 4:45-53 '51.
(PLANTS--TRANSPIRATION) (MIRA 9:10)

PROTOPOPOV, G.F.; YEVTUSHENKO, G.A., otvetstvennyy redaktor.

[Nursery raising of Schrenk spruce seedlings; results of experimental work and management] Vyrashchivanie seiantssev eli Shrenka v pitomnike; rezul'taty opytnykh rabot i rukovodstvo. Frunze, Izd-vo KirgizFAN SSSR, 1952. 46 p. [Microfilm] (MLBA 7:10)
(Spruce)

YEVTUSHENKO, G.A.

Characteristics of growth and development of the wild tobacco
species *N. sylvestris* under conditions of different photoperiods.
Trudy Inst.bot. i rast. KirFAN SSSR no.1:39-44 '54. (MLRA 10:1)
(Tobacco) (Photoperiodism)

YEVTUSHENKO, G.A.; YEVDOKIMOVA, L.I.

Seasonal dynamics in the amount of water and dry matter in the
shoots of apple trees under conditions prevailing in the piedmont
zone of the Chu Valley. Trudy Inst.bot.i rast. KirFAN SSSR no.1:63-
123 '54. (MLRA 10:1)
(Chu Valley--Apple) (Plants--Transpiration)

VYKHODTSEV, I.V.; YEVYUSHENKO, G.A., doktor biologicheskikh nauk,
otvetstvennyy redaktor; UTKINA, Z.I., redaktor izdatel'stva;
MAKHU, Ye.V., tekhnicheskii redaktor

[Vertical zonality of vegetation in Kirghizistan (Tien-Shan and
Alai). Vertikal'naya poiasnost' rastitel'nosti v Kirgizii (Tian'-
Shan' i Alai). Moskva, Izd-vo Akademii nauk SSSR, 1956. 82 p.
(Kirghizistan--Botany) (MIRA 9:7)

YEVTUSHENKO, G.A.

PRUTHINSKIY, D.I.; PROTOPOPOV, G.F.; YEVTUSHENKO, G.A., red.; ANOKHINA,
M.G., tekhn.red.

[Plant trees and shrubs along roads and irrigation systems]
Sozdavaite zelenye nasazhdeniya vdol' dorog i orositel'noi seti.
Frunze, Izd-vo ⁴akad.nauk Kirgizskoi SSR, 1958. 13 p. (MIRA 11:4)
(Roadside improvement)
(Irrigation canals and flumes)

YEVTUSHENKO, G.A.

SHPOTA, L.A.; YEVTUSHENKO, G.A., red.; ANOKHINA, M.G., tekhn.red.

[Physiological characteristics of apple trees attacked by chlorosis
in the Chu Valley] Fiziologicheskie osobennosti iablon' boleiu-
shchikh khlorozom v usloviakh Chuiskoi doliny. Frunze, Akad.
nauk Kirgizskoi SSR, 1958. 32 p. (MIRA 11:4)
(Chu Valley--Chlorosis (Plants))

USSR / Plant Physiology. Growth and Development.

I

Abs Jour: Ref Zhur-Biol., No 2, 1959, 6019.

Author : Yevtushenko, G. A.

Inst : Institute of Botany, AS Kirghiz SSR.

Title : Photoperiodism of Wild Species of Tobacco.

Orig Pub: Tr. In-ta botan. AN KirgSSR, 1958, vyp 3, 149-184.

Abstract: Investigations of three kinds of illumination were carried out in Krasnodar and thereafter in Frunzo; they were as follows: a short 9-hour day, a natural 15-16 hour day and continuous illumination. Of the 14 wild species investigated, 10 were shown to be of the long-day variety, three (*N. rusbyi*, *N. paniculata* and *N. augustifolia*), of the short day variety, but *N.*

Card 1/3

13

USSR / Plant Physiology. Growth and Development.

I

Abs Jour: Ref Zhur-Biol., No 2, 1959, 6019.

Abstract: *glutinosa* reacted poorly to the change in the length of day. Plants of *N. rusbyi* under conditions of continuous illumination remained in the vegetative state up to the end of the vegetation period (212 days from germination). *N. sylvestris*, *N. plumbogonifolia*, *N. langsdorfii* under conditions of the short day did not proceed to bloom even in the second vegetation year. The remaining species budded and blossomed under unfavorable light conditions, but at much later dates. For *N. rusbyi* and *N. sylvestris* the 12-hour day light period appears to be critical [some of the plants bloom, while others do not]. The author proposes to utilize the plants grown under critical light periods for the selection of

Card 2/3

. . . : USSR / Plant Physiology. Growth and Development.

I

Abs Jour: Ref Zhur-Biol., No 2, 1959, 6019.

Abstract: the necessary forms. Rosette forms are observed only with long-day species. -- P. I. Gupalo.

Card 3/3

14

YEVTUSHENKO, G.A.; SHPOTA, L.A.

Intensity and qualitative directivity of photosynthesis in
chlorotic apple trees. Fiziol.rast. 6 no.6:679-685 H-D '59.
(MIRA 13:4)

1. Department of Plant Physiology, Khirgiz State University,
Frunze.
(Kirghizistan--Chlorosis (Plants)) (Apple--Diseases and pests)
(Plants, Effect of iron on)

AKHMATOV, K.; YEVTUSHENKO, G.A., prof., otv.red.

[Winter hardiness of trees and shrubs introduced in the spruce forest belt of the Terskei Ala-Tau] Zimostoikost' derev'ev i kustarnikov, introdutsirovannykh v poias elovykh lesov Terskei Ala-Too. Frunze, Izd-vo Akad.nauk Kirgizskoi SSR, 1960. 97 p.

(MIRA 13:12)

1. Institut botaniki Akademii nauk Kirgizskoy SSR (for Yevtushenko).
(Terskei Ala-Tau--Plants--Frost resistance)
(Trees) (Shrubs)

YEVTUSHENKO, G.A.

Increase the saccharinity of the sugar-beet progeny in
Kirghizistan. Sakh. prom. 34 no. 12:53-54 D '60.

(MIRA 13:12)

1. Institut botaniki AN Kirgizskoy SSR,
(Kirghizistan--Sugar beets)

YEVTUSHENKO, G. A. (USSR)

"The Influence of Gibberellin on the Sugar Content of the Sugar Beet."

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

YEVFUSHENKO, Gavriil Alekseyevich; SHAMDETov, S., otv. red.;
ANOKHINA, M.G., tekhn. red.

[Causes of the decrease of the sugar content of sugar beets
in Kirghizistan] Prichiny snizheniya sakharistosti sakharnoi
svekly v Kirgizii. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR,
1961. 66 p. (MIRA 15:10)

(Kirghizistan--Sugar beets)

YEVTUSHENKO, Gavril Aleksyevich; SULTANALIYEV, Asek; IONOV, R.N., otv.
red.; KOVAL'CHUK, V.V., red. izd-va; ANOKHINA, M.G., tekhn. red.

[Agribiological characteristics of corn in the Issyk-Kul' region]
Agrobiologicheskie osobennosti kukuruzy v Priissykkul'e. Frunze,
Izd-vo AN Kirgizskoi SSR, 1961. 107 p. (MIRA 14:11)
(Issyk-Kul' region--Corn (Maize))

YEVTUSHENKO, G.A.

Effect of gibberellin on plant growth and development in Kirghizistan.
Izv. AN Kir. SSR. Ser. biol. nauk 3 no.3:5-40 '61. (MIRA 14:12)
(GIBBERELLINS) (KIRGHIZISTAN--FIELDS CROPS)

LEVYUSHENKO, G.A.

Characteristics of water distribution and sugar concentration in
the sugar beet plant under irrigation. Izv. AN Kir. SSR. Ser. biol.
nauk 3 no.3:41-46 '61. (MIRA 14:10)
(CHU VALLEY--SUGAR BEETS--IRRIGATION)

YEVTUSHENKO, G.A.

Diurnal dynamics of transpiration intensity in tobacco plants
under irrigation. Izv. AN Kir. SSR. Ser. biol. nauk 3 no.3:47-65
'61. (MIRA 14:12)

(KIRGHIZISTAN--TOBACCO--IRRIGATION)
(PLANTS--TRANSPIRATION)

YEVTUSHENKO, G.A.; SHPOTA, L.A.; SHKAF, Ye.S.

Photosynthesis and respiration in irrigated sugar beets in relation to the density of stands. Fiziol. rast. 8 no.1:13-18 '61. (MIRA 14:3)

1. Department of Plant Physiology Kirghiz State University, Frunze.
(Kirghizistan--Sugar beets--Irrigation)(Plants--Respiration)
(Photosynthesis)

YEVTUSHENKO, G.A.

Localization of the reaction to gibberellin in plants. Fiziol.rast.
8 no.3:304-308 '61. (MIRA 14:5)

1. Laboratoriya fiziologii i biokhimii rasteniy Instituta botaniki
Akademii nauk Kirgizskoy SSR, Frunze.
(Gibberellins) (Growth (Plants))

YEVTUSHENKO, G.A., otv. red.

[Physiological and biochemical characteristics of sugar
beets and gramineous plants under conditions of irrigation]
Fiziologo-biokhimicheskie osobennosti sakharnoi svekly i
zлакovykh rastenii v usloviakh poliva. Frunze, Izd-vo AN
Kirgiz.SSSR, 1964. 150 p. (MIRA 17:9)

1. Akademiya nauk Kirgizskoy SSR, Frunze. Institut bota-
niki.

YEVTUSHENKO, G. I.

YEVTUSHENKO, G. I. -- "The Dust Factor in the Incidence of Illness of the Voroshilov Oblast Coal Miners." Khar'kov Med Institute, Khar'kov, 1955. (Dissertation for the Degree of Candidate of Medical Sciences)

SO: Knizhnaya teletsis' No 42, October 1956, Moscow

YEVTUSHENKO, G.I.

YEVTUSHENKO, G.I. -- "The Dust Factor in the Incidence of Illness of the Voroshilov Oblast Coal Miners." Khar'kov Med Inst, Khar'kov, 1955 (Dissertation for the Degree of Candidate in MEDICAL SCIENCES)

SO: KNIZHNAYA LETOPIS' (Book Register), No 42, October 1956, Moscow

DOBRUSKIN, V.G., inzh.; YEVTUSHENKO, G.I.

Choice of an ultraviolet exposure room. Svetotekhnika 5
no.11:24-25 N '59. (MIRA 13:2)

1. "Yuzhgiproshakht" i Khar'kovskiy meditsinskiy inatitut.
(Ultraviolet rays--Therapeutic use)

YEVTUSHENKO, G.I.

Letter to the editor. Svjetotekhnika 9 no.5:25 Ky '63.

(MIRA 16:7)

1. Direktor Ukrainського nauchno-issledovatel'skogo instituta
gigiyeny truda i professional'nykh zabolevaniy.

(Electric lighting—Standards)

MEDVED', L.I., prof., otv. red.; YEVTUSHENKO, G.I., dots., zam. otv. red.; KUNDIYEV, Yu.I., dots., red.; KRIVOGLAZ, B.A., prof. red.; NOVITSKIY, V.K., prof., red.; SUPONITSKIY, M.Ya., dots., red.; SHAKHBAZYAN, G.Kh., prof., red.

[Industrial hygiene; interdepartmental collection of scientific papers] Gigiena truda; mezhvedomstvennyi sbornik nauchnykh rabot. Kiev, Zdorov'ia, 1964. 268 p.
(MIRA 18:3)

1. Kiev. Institut gigiyeny truda i professional'nykh zabolevaniy. 2. Kiyovskiy institut gigiyeny truda i professional'nykh zabolevaniy (for Medved', Krivoglaz).

PYATIKOP, A.I., dots., otv. red.; POTOTSKIY, I.I., prof., zam.
otv. red.; TSERIDIS, G.S., st. nauchn. sotr., red.;
ZADOROZHNIY, B.A., dots., red.; KALANTAYEVSKAYA, K.A.,
prof., red.; YEVTUSHENKO, G.I., dots., red.; BOGDANOVICH,
S.N., dots., red.

[Occupational diseases and skin collageroses] Professional'-
nye zabolevaniya i kollagenozy kozhi. Kiev, Zdorov'ia,
1965. 211 p. (MIRA 18:7)

1. Ukrainskiy nauchno-issledovatel'skiy kozhno-venerolo-
gicheskiy institut. Problemnaya komissiya "Nauchnyye osnovy
dermato-venerologii". 2. Kafedra kozhnykh bolezney Kiyevskogo
meditsinskogo instituta (for Pototskiy). 3. Ukrainskiy
nauchno-issledovatel'skiy kozhno-venerologicheskiy institut
(for TSeridis).

DUSHUTIN, Yu.; KORCHAGIN, V., kand. tekhn. nauk; PAPE, E.;
SKRYPNIK, A.; YEVTUSHENKO, I.; OVSIY, I.

Exchange of experiences. Mias. ind. SSSR 34 no.5:42-47
'63. (MIRA 16:11)

1. Volgogradskiy myasokombinat (for Dushutin). 2. Odesskiy
tekhnologicheskii institut pishchevoy i kholodil'noy promysh-
lennosti (for Korchagin). 3. Semipalatinskiy myasokombinat
(for Pape). 4. Leningradskiy ordena Trudovogo Krasnogo
Znameni myasokombinat im. S.M. Kirova (for Skrypnik).
5. Taganrogskiy myasokombinat (for Yevtushenko). 6. Vinnitskiy
myasokombinat (for Ovsy).

YEVTUSHENKO, I.

Conveyor production line for the manufacture of piroshki.

Mias.ind.SSSR 33 no.2:42-43 '62.

(MIRA 15:5)

1. Taganrogskiy myasokombinat.

(Bakers and bakeries)

(Assembly-line methods)

1. YEVTUSHENKO, I.A.
2. USSR (600)
4. Electric Lines
7. Extensible key for work on electric transmission lines, Rab.energ. 3: no. 3, 1953.
9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

DORONIN, P.V.; YEVTUSHENKO, I.N.; DUDENKO, T.V., starshiy elektromekhanik

Portable telephone sets for linemen. Avtom., telam. i sviaz' 3
no.2:26-28 F '59. (MIRA 12:4)

1. Zamestitel' nachal'nika Vychegodskoy distantzii signalizatsii i
svyazi Pechorskoy dorogi (for Doronin). 2. Zamestitel' nachal'nika
Saksaul'skoy distantzii signalizatsii i svyazi Kazakhskoy dorogi
(for Yevtushenko).

(Telephone--Equipment and supplies)

YEVTUSHENKO, I.N.

Locating the area of decreased insulation resistance in automatic
block circuits of the HF TsNII system. Avtom. telem. i sviaz' 3 no.8:
26-28 Ag '59. (MIRA 13:2)

1. Zamestitel' nachal'nika Saksaul'skoy distantsii signalizatsii i
svyazi Kazakhskoy dorogi.
(Electric insulators and insulation)
(Railroads--Electronic equipment)
(Railroads--Block system)

L 1648-01 EMT(d)/EMP(v)/EMP(k)/EMP(h)/EMP(l) TOP(c) BC

ACCESSION NR: AF5021634

UR/0286/65/000/013/0117/0117

AUTHORS: Tolkachev, V. Yu.; Yertushenko, I. N.; Pelikh, Yu. V.; Vasilyev, V. M.

TITLE: Device for remote-controlled transmission on measured parameters. 74, No. 172659 ^{22B} Class

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 13, 1965, 117

TOPIC TAGS: remote control, ¹⁴ information readout

ABSTRACT: This Author Certificate presents a device for remote-controlled transmission of measured parameters. The device contains primary parameter detectors, an intermediate storage, pulse shapers, a synchronous-cophased readout system, a communication line, and a receiving unit with a synchronous-cophased readout and register system. To simplify the design of the intermediate storage, electrical (electrochemical) current integrators are used (see Fig. 1 on the drawing). The integrator inputs are connected to the primary measured parameter detectors, and the outputs are connected to the intermediate storage units. Orig. art. has: 1 diagram.

ASSOCIATION: none

Card 1/3

L 1648-66

ACCESSION NR: AP5021634

SUBMITTED: 21Nov62

ENCL: 01

SUB CODE: EC, DP

NO REF SOV: 000

OTHER: 000

Card 2/3

L 1648-66

ACCESSION NR: AP5021634

ENCLOSURE: 01

0

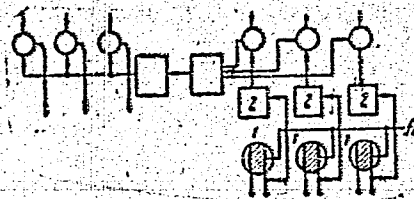


Fig. 1. 1- electrolytic (electrochemical)
current integrators; 2- intermediate
storage units

Card 3/3

RP

I. 09333-67

ACC NR: AP6029523

SOURCE CODE: UR/0432/66/000/004/0059/0061

AUTHOR: Vasil'yov, V. M.; Yevtushenko, I. N.; Pelikh, Yu. V.; Privalov, L. N.;
Tolkachev, V. Yu. (Candidate of technical sciences)

55

ORG: None

TITLE: An arrangement for remote-controlled selection

SOURCE: Mekhanizatsiya i avtomatizatsiya upravleniya, no. 4, 1966, 59-61

TOPIC TAGS: computer circuit, computer control system, computer center, data processing,
signal coding, telemetry

ABSTRACT: A description of a telecontrolled selector system devised by the Zaporozhskiy Branch of the Institute of Automation is presented. It is designed for selection of sampled signals of telemetering and coding types. The system consists of a main control center connected by many communication lines to various branch centers as shown in a diagram. The branch decoding selectors are controlled from the center by means of binary codes. The collected data are transmitted from the branches through the intermediate storage to the central storage memory matrices. The central selector circuit composed of ferrite-diode elements is fed from a pulse source of 30 kc. The circuit arrangement is shown in a diagram including diodes, a dynamic flip-flop, a coincidence cell and a repeater. The control of gate pulses and their frequencies (rated at 468 cycles) is explained. The arrangement of the branch-center circuits is also diagrammatically illus-

Cord 1/2

UDC: 621.398

L 09333-67

ACC NR: AP6029523

trated. The basic element of this circuit is a decoding selector of magnetic type. Being also equipped with ferrite diodes, memory storage cells and other elements the circuit has an output that can reach a number of 512. The processes of collecting and transmitting data by means of flip-flops and blocking oscillators are discussed. The main control center is connected by means of multichannel telephone cables to 16 branch centers. The total capacity of the system is rated at 2048 binary signals. The arrangement was successfully applied to industrial processes at the Zaporozhskiy Refractory Materials Plant. Orig. art. has: 3 diagrams.

SUB CODE: 09/ SUBM DATE: None/ ORIG REF: 004

Card

2/2/1992

L 06218-67 EWT(d)/EEC(k)-2

ACC NR: AP6029783

SOURCE CODE: UR/0119/66/000/008/0009/0010

AUTHOR: Yevlushenko, I. N. (Engineer); Pelikh, Yu. V. (Engineer); Skiba, V. A. (Engineer); Tolkachev, V. Yu. (Candidate of technical sciences)

ORG: none

TITLE: Use of the electrolytic integrator in multichannel telemetry systems for collecting statistical information

SOURCE: Priborostroyeniye, no. 8, 1966, 9-10

TOPIC TAGS: solion integrator, telemetry equipment, *PULSE INTEGRATOR*

ABSTRACT: The development of an integral pulsed converter at the Zaporozh'ye Branch, Institute of Automatics, is reported; the converter is designed with a solion integrator. The temperature-compensated converter (its principal circuit diagram shown) has these characteristics: integrator time constant, 100 msec; output-pulse current through 1 kohm, 12 ma; output-pulse duration, 100--200 msec; tolerable ambient temperature, 0--50C; basic error, 1%; temperature error, 0.2% per 10C. The converter is intended for collecting averaged values of various parameters, for storing analog signals, etc. Orig. art. has: 2 figures and 1 formula.

SUB CODE: 09 / SUBM DATE: none / ORIG REF: 003

Card 1/1 *LC*

UDC:621.3.082.75:621.3.083.722

ACC NR: AP6035741 (A,N) SOURCE CODE: UP/0413/66/000/019/0103/0103

INVENTOR: Yevtushenko, I. N.; Tolkachev, V. Yu.; Guglin, I. N.; Privalov, L. N.

ORG: none

TITLE: Decoder of parallel bipolar binary code for remote control systems.
Class 42, No. 186769

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 19, 1966, 103

TOPIC TAGS: digital decoder, telemetry equipment, telemetry receiver, BINARY CODE,
MAGNETIC CORE

ABSTRACT: A parallel bipolar binary code decoder which is based on magnetic cores and uses transistor/magnetic gating is described. Two-cycle transistor/magnetic gates have been added to control code reception in the decoder writing circuits. These are connected in series to the primary of a current control transformer: a code reception control unit is connected to the control transformer's secondary. Orig. art. has: 1 figure.

SUB CODE: 09/ SUBM DATE: 12Nov64/

Card 1/1

UDC: 681.142:621.867:621.398

YEVTUSHENKO, K.I. [IEvtushenko, K.I.]

Improvements in the "Tiniakov Clothing Factory" in Kharkov.
Leh. prom. no.2:52-53 Ap-Je'64 (MIRA 17:7)

YEVTUSHENKO, L.A.; LEVITIN, R.Z.

Anomalies of the shear modulus in MnO , CoO , Cr_2O_3 antiferromagnetic materials. Fiz. met. i metalloved. 12 no.1:155-157 J1 '61.

(MIRA 14:8)

1. Fizicheskiy fakul'tet Moskovskogo gosudarstvennogo universiteta.
(Ferromagnetism) (Shear (Mechanics))

YEVTUSHENKO, L. M.

"Studying Heteropoly Compounds of Phosphorus and Silicon and Their Reduction Reactions." Cand Chem Sci, Inst of General and Inorganic Chemistry, Acad Sci Ukrainian SSR, Kiev, 1954. (KL, No 9, Feb 55)

SO: Sum. No. 631, 26 Aug 55-Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (14)

YEVYUSHENKO, L.M.

Two cases of mediastinal cyst originating from the dura mater.
Sov.med. 22 no.11:139-140 B'58 (MIRA 11:11)

1. Iz kafedry obshchey khirurgii (zav. - dots. A.I Bogatov)
Astrakhanskogo meditsinskogo instituta (dir. I.N. Alandarov).
(DURA MATER, neoplasms.
causing mediastinal cyst (Rus))
(MEDIASTINUM, cysts
originating from tumor of dura mater (Rus))

YEVFUSHANKO, L.M.

Problem of regeneration in the pancreaticogastric anastomosis.
Eksp. khir. 4 no. 4:9-12 J1-Ag '59. (MIRA 12:11)

1. Iz kafedry obshchey khirurgii (zav. - dotsent A.I. Bogatov
Astrakhanskogo meditsinskogo instituta (dir. - dotsent S.V.
Zakharov).

(PANCREAS surg)
(STOMACH surg)

YEVTUSHENKO, L.M.; SLUTSKAYA, M.P.

Ulceration of benign stomach tumors of nonepithelial origin. Klin.
khir. no.6:80-81 Je '62. (MIRA 16:5)

1. Kafedra obshchey khirurgii (zav. - dotsent A.I. Bogatov)
Astrakhanskogo meditsinskogo instituta i khirurgicheskoye
otdeleniye Basseyenovoy klinicheskoy bol'nitsy imeni Z.P.
Solov'yeva.

(STOMACH--TUMORS)

YEVTUSHENKO, M. G. Cand Tech Sci -- (diss) ^{The} "Engineering organization of
~~public services in~~ urban territories (Problems of the organization of surface
~~discharge~~ ^{drainage})." Mos, 1957. 15 pp with graphs. (Min of Higher Education USSR.
Mos Order of Labor Red Banner Construction Engineering Inst im V. V. Kuybyshev),
110 copies (KL, 4-58, 83)

YEVTUSHENKO, M.G., inzhener.

Draining surface water during engineering preparations in
construction areas. Gor.khoz.Mosk. 31 no.6:24-27 Ja '57.

(MIRA 10:7)

(Drainage)

YEVTUSHENKO, N.M. [IEvtushenko, N.M.], aspirant

Diagnosis and therapy of Listeria infection in pregnant women.
Pediat. akush. ginek. no.3:42-44 '63 (MIRA 17&1)

1. Kafedra akusherstva i ginekologii vrachebnogo fakul'teta
(zav. -- prof. I.I.Grishchenko) [Hryshchenko, I.I.] Khar'kov-
skogo meditsinskogo instituta (rektor -- dotsent B.A.Zadorozhnyy).

YEVTUSHENKO, N.P.

Infrared spectra and structure of diethyldithiocarbamate complexes of metals.
Ukr. khim. zhur. 31 no.6:618-620 '65. (MIRA 18:7)

1. Institut obshchey i neorganicheskoy khimii AN UkrSSR.

USSR/General Problems of Pathology - Tumors. Comparative
Oncology. Tumors of Man.

U

Abs Jour : Ref Zhur Biol., No 5, 1959, 22873

Author : Yevtushenko, N.T.

Inst :

Title : Angiosarcoma of Ovary in a 7-Year-Old Girl.

Orig Pub : Akusherstvo i ginekologiya, 1958, No 4, 105

Abstract : In a 7-year-old girl who entered the hospital with manifestations of chronic intestinal obstruction, a tumor in the right iliac region was discovered on palpation. During surgery a dense tumor with a weight of 1500 g was removed, which originated from the right ovary. On dissection the surface of the tumor was homogenous, dark-red in color. Histological diagnosis - angiosarcoma. Two months after surgery the patient is practically healthy.

Card 1/1

*Surgical Dept, Gor'kov clinic of children's
diseases, & chair of children's surgery
Gorkovskogo Med. Inst.*

1. YEVUSHENKO, N. YE.

2. USSR (600)

4. Agricultural Machinery

7. Mounted ditching machine D-295. Sel'khoz mashina no. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

YEVUSEENKO, N.Ye., in honor.

The DPA-52 high-pressure sprinkler. Sel'khozashina no.5:9-11 Ky '54.
(MLRA 7:5)

(Sprinklers)

YEVTUSHENKO, N.Ye.

KSYNKIN, G.K., inzh.; YEVTUSHENKO, N.Ye., inzh.

Results of testing DH-115 mounted sprinklers. Sel'khoz mashina
no.7:6-7 J1 '57. (MIRA 11:1)

(Sprinklers--Testing)

YEVTUSHENKO, N.Ye., inzhener; NESTERVODSKIY, B.V., inzhener.

~~_____~~
KZU-0, 3 universal ditcher-grader. Sel'khoz mashina no.8:14-16
Ag '57. (MLRA 10:8)

1.Gosudarstvennoye spetsial'noye konstruktorskoye byuro.
(Excavating machinery)

YEVTUSHENKO, O.I.

Effect of interoceptive impulses on mono- and polysynaptic responses of flexor motor neurons. Fiziol. zh. SSSR Sechenov 49 no.6:706-710 '63 (MIRA 17:1)

1. From the Department of Zoology, Pedagogic Institute, Ordjenikidze.

YEVYUSHENKO, O.I. [Ivvtushenko, O.I.]

Improvements at the Tiniakov Clothing Factory in Kharkov.
Leh. prem. no. 1:58-60 Ja-Mr '65. (MIRA 18:4)

YEVTUSHENKO, O.I. [Evtushenko, O.I.]

Improvements in the "Tintakov" Clothing Factory in Kharkov.
Leh. prom. no.3:72-74 JI-S '65. (MIRA 18:9)

L 31868-66 EWP(k)/EWT(m)/EWC(f)/T/ENP(e)/ENF(v)/ENW(w)/ENX(x)
 ACC NR: AT6013554 (A) SOURCE CODE: UR/0000/65/000/000/0076/0080

AT/WH/WW/JD/HM/JG/GD

AUTHOR: Burykina, A. L.; Yevtushenko, O. V.

ORG: Institute of Materials Science Problems, AN UkrSSR (Institut problem materialovedeniya AN UkrSSR)

TITLE: In vacuo diffusion welding of infusible compounds containing high temperature metals

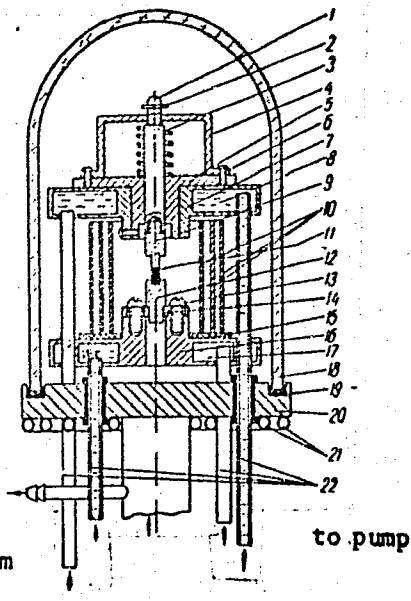
SOURCE: AN UkrSSR. Institut problem materialovedeniya. Vysokotemperaturnyye neorganicheskiye soyedineniya (High temperature inorganic compounds). Kiev, Naukova dumka, 1965, 76-80

TOPIC TAGS: zirconium, niobium, tantalum, carbide, tungsten, molybdenum, nonferrous metal

ABSTRACT: The conditions for diffusion welding of zirconium, niobium, and tantalum carbides with niobium, tantalum, molybdenum, and tungsten, and of titanium/molybdenum, and tungsten between themselves and of molybdenum and tungsten alone were investigated. The experiments were conducted at 1200°-2000°C, 5-15 Newtons/mm² pressure, and 10-60 min duration using the apparatus shown in the figure. The summary of the result is shown in a table. The authors thank Professor N. F. Kozakov, Doctor of technical sciences, for making available the apparatus and for help in conducting the experiments. Orig. art. has: 1 figure, 2 tables.

Card 1/2

ACC NR: AT6013554



1--molybdenum bar; 2--plug; 3--molybdenum spring; 4--copper clamp; 5--copper bushing; 6--copper bolt; 7--external copper gasket; 8--water-cooling jacket; 9--top molybdenum holder; 10--molybdenum housing; 11--sample; 12--bottom molybdenum holder; 13--copper bolt; 14--molybdenum gasket; 15--ceramic support; 16--lower copper gasket; 17--water-cooling jacket; 18--glass housing; 19--elastic support; 20--steel plate; 21--cooling coil; 22--electrodes.

SUB CODE: 11, 13/ SUBM DATE: 03Jul65/

ORIG REF: 006/

OTH REF: 002

Cerd 2/2 Welding of dissimilar metals

YEVTUSHENKO, T. N. Cand Med Sci -- (diss) "The clinic and treatment of chronic
~~infectious~~ infectious polyarthrititis in children in the Crimea." Simferopol', 1957.
13 pp (Crimean State Med Inst im Stalin), 200 copies (KL, 5-58, 103)

L 32635-66 FBD/EWT(1)/EWP(e)/EWT(m)/EEG(k)-2/T/ENP(k) IJP(c) WH/HG
 ACC NR: AP6013740 SOURCE CODE: UR/0057/66/036/006/1115/1117
 AUTHOR: Yevtushenko, T.P.; Malyshev, G.M.; Ostrovskaya, G.V.; Semenov, V.V.
 ORG: Physicotechnical Institute im. A.F.Ioffe, AN SSSR, Leningrad (Fiziko-tekhnichesk-
 iy institut)
 TITLE: Investigation of a spark in air with the aid of two synchronized lasers
 SOURCE: Zhurnal tekhnicheskoy fiziki, v. 36, no. 6, 1966, 1115-1117
 TOPIC TAGS: ruby laser, laser application, spark shock wave, shadowgraph photography
 ABSTRACT: The spark produced in air by focusing the 0.5 J giant pulse from a ruby laser was investigated by casting its shadow with the synchronized giant pulse from a second similar laser. Synchronization of the giant pulses from the two lasers was accomplished by employing the same rotating prism to modulate the regeneration of both lasers. The two lasers were mounted approximately at right angles; one laser viewed the rotating prism directly and the other laser viewed it through a 90° reflecting prism which was mounted above the axis of the first laser. The delay between the two laser pulses was varied from about 30 nanosec to 3-4 microsec by adjusting the angle between the axes of the two lasers. The scatter of the delay times was 20 to 100 nanosec and is ascribed mainly to instability of the 25,000 rpm angular velocity of the rotating prism. It is suggested that this technique for synchroniz-

Card 1/2 UDC: 537.523.4

L 32635-66

ACC NR: AP6018740

3
ing the giant pulses of two ruby lasers may be useful in other investigations. The beams from the two lasers were both so deflected through 90° as to cross at right angles. The beam from one laser was focused with a 2.5 focal length lens to produce the spark, and the beam from the other laser was so focused with a 25 cm focal length lens as to shadow the spark region with a magnification of 2 onto a photographic plate. The shadowgraphs showed an almost spherical shock wave expanding from the region of the spark. This shock wave expanded more rapidly along the laser beam that produced the spark than at right angles to it; the rate of expansion of the shock wave decreased with time in approximate agreement with the calculations of A.Sakurai (J. Phys. Soc. Japan, 9, 256, 1954) for a spherical shock wave. Light vertical bands were perceptible on the shadowgraphs. It is suggested that these may be due to shock fronts produced as a result of release of energy at several points along the laser beams. The authors thank V.I.Vladimirov for discussions, and I.I.Komissarova and Ye. L.Burunov for assistance with the work. Orig. art. has: 4 figures. [15]

SUB CODE: 20/
ATD PRESS: 5025

SUBM DATE: 20Nov65/

ORIG REF: 002/

OTH REF: 003

Card 2/2 90

L 41090-66 EMP(1)/EMP(m)/FBD/REC(k)-2/EMP(k)/T/EMP(t)/ETI IJP(c) WG/JD
ACC NR: AP6028628 SOURCE CODE: UR/0057/66/036/008/1506/1513

AUTHOR: Yeytushenko, T. P.; Zaydel', A. N.; Ostrovskaya, G. V.; Chelidze, T. Ya.

ORG: Physicotechnical Institute im. A. F. Ioffe, AN SSSR, Leningrad (Fiziko-
tekhnicheskiy institut AN SSSR)

TITLE: Spectroscopy of a laser spark.¹⁵ I. Spark in helium.¹ 763

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 36, no. 8, 1966, 1506-1513

TOPIC TAGS: nonlinear optics, laser induced breakdown, gas breakdown, helium, argon, hydrogen, air breakdown, laser beam, spectroscopy, laser radiation spectrum, spectrum analysis

ABSTRACT: Laser induced breakdown in pure and hydrogen-doped helium under pressures from 1 to 10 atm and in air and Ar-H₂ mixtures was investigated spectroscopically. The laser "spark" was generated by means of a 0.5—1.0-j giant pulse (30—40 nanosec) ruby laser which was Q-switched by means of a rotating prism. The laser beam was focused by means of an f:25 mm lens into a metal chamber equipped with quartz windows which could be filled with gases at pressures up to 10 atm. The spark could be observed in the direction perpendicular to the laser beam. The magnified (1.6 times) spark image was focused onto the slit of an ISP-51 spectrograph by means of a Jupiter-3 objective. Spectra obtained in this manner indicate the spatial distribution of the spark emission. The temporal distribution of the spark was observed by means of an SPR photorecorder. A spectral analysis of the laser-induced spark in an

Card 1/3

L 41090-66

ACC NR: AP6028623

He-H₂ mixture was made and photographs with the time resolution of various stages of the spark development were analyzed. The dependence of the H_β line halfwidth on the distance from the spark axis was shown. Tabulated data indicate the effect of pressure and the corresponding electron concentrations on linewidth broadening (see Table 1). The relative error of tabulated data was 20—30%. The preliminary results

Table.1. Linewidths in a laser spark spectrum in pure and hydrogen-doped helium at a pressure of 2 atm

Line, λ	$\Delta\lambda$, Å	$n_e \cdot 10^{19}$, cm ⁻³	Line, λ	$\Delta\lambda$, Å	$n_e \cdot 10^{19}$, cm ⁻³
He I 6678	12	2	He I 4471	25	0.5
He I 5876	10	3	He II 4686	90	60
He I 5016	9	1.6	H _α	10	1.8
He I 4713	5	0.5	H _β	60	1.2

indicate that the spark plasma goes through two stages. During the first stage (=100 nanosec), the plasma has a high electron temperature and density ($\sim 10^{19}$ cm⁻³), during which an intensive continuous spectrum is emitted and a considerable line broadening of the neutral and ionized atom occurs. The second stage, which lasts tens of μsec, corresponds to a gradual cooling of the plasma, during which only the neutral atoms radiate. The electron concentration in the initial development stage of a spark in He was found to be similar to that obtained for air breakdown elsewhere

Card 2/3

L 41090-66

ACC NR: AP6028628

(S. A. Ramsden and W. E. R. Davis, Phys. Rev. Lett., 13, 227, 1964 ($5 \cdot 10^{17} \text{ cm}^{-3}$); and S. I. Mandel'shtam, P. P. Pashinin, A. V. Prikhindeyev, A. M. Prokhorov, and N. K. Sukhodrev, ZhETF, 47, 2003, 1964). A refined treatment of the present work will appear shortly. Orig. art. has: 7 figures and 2 tables. [YK]

SUB CODE: 20/ SUBM DATE: 22Mar66/ ORIG REF: 002/ OTH REF: 003/ ATD PRESS: 5057

Card 3/3 hs

YEVTUSHENKO, V. (g. Krasnodar)

Device for locating windings. Radio no.6:37 Je '61. (MIRA 14:10)
(Radio--Equipment and supplies)

86038

S/020/60/135/003/020/039
B019/B077

6.8000 (3201, 1099, 1162)

AUTHORS:

Erekhovskikh, L. M., Corresponding Member of the AS USSR,
Yevtushenko, V. A., Makarov, S. S., and Pisarenko, V. F.

TITLE:

Vertical Profile of Sound Propagation Velocity in the Ocean

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 135, No. 3, pp. 581-583

TEXT: The authors describe a new method of determining the sonic velocity in dependence of the depth of the ocean, using the so-called "characteristic points". The ocean depth is divided into a certain number of layers, taking their physical and chemical characteristics into account. Each curve which characterizes the mutual dependence of sonic velocity and ocean depth is approximated by a broken line, where the dc/dz gradient is constant within each individual layer (c is the sonic velocity, z is the ocean depth). The salient points of this curve are the characteristic points in the c - z plane, for which the mean depth and the sonic velocity are determined. By changing in time the curve $c = c(z)$, a family of curves is obtained which describe the actual conditions much better especially

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Vertical Profile of Sound Propagation
Velocity in the Ocean

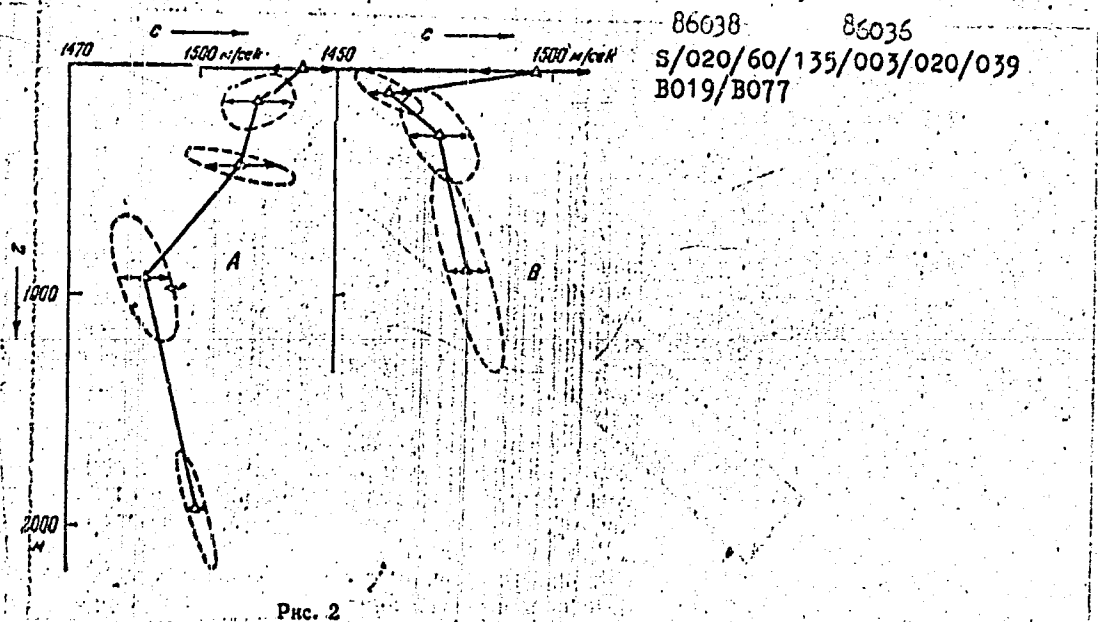
S/020/03/020/039
B019/B077

when there are sharp deviations of the dc/dz gradient. The new method is advantageous through these parameters used to analyze acoustic processes. The authors were able to determine two types of vertical distributions of the sonic velocity in a 10 degree square of the North-west Atlantic. The warm Gulfstream influences the first distribution type and can be divided into five layers. The cold Labradorstream influences the other distribution type and can be divided into four layers. Fig. 2 shows both distribution types. The authors thank V. Ya. Tolkachev, G. I. Merinova, N. P. Markova, and N. A. Smirnova for the calculations done. The Gosudarstvennyy okeanograficheskiy Institut (State Institute of Oceanography) is mentioned. Legend to Fig. 2: A is the first type of the velocity distribution and B the second. There are 2 figures and 4 Soviet references.

ASSOCIATION: Akusticheskiy institut Akademii nauk SSSR (Institute of Acoustics of the Academy of Sciences, USSR)

SUBMITTED: August 20, 1960

Card 2/3



Card. 3/3

Hand
YEVTUSHENKO, V. A.: Master Med Sci (diss) -- "The sacral-coccygeal portion of
the human spinal column". Kiev, 1958. 17 pp (Min Health Ukr SSR, Kiev State
Order of Labor Red Banner Med Inst im Acad A. A. Bogomolets), 200 copies
(EL, No 4, 1959, 130)

SOV/21-58-10-23/27

AUTHOR: Yevtushenko, V.A.

TITLE: Sacralization and Lumbarization in the Evolution of the Human Spine (Sakralizatsiya i lyumbalizatsiya v evolyutsii pozvonochnika cheloveka)

PERIODICAL: Dopovidi Akademii nauk Ukrain's'koi RSR, 1958, Nr 10, pp 1124-1128 (USSR)

ABSTRACT: The author investigated some problems connected with the problems of sacralization and lumbarization in the human spine, with a particular stress on the frequency of these variations and their interrelation with peculiarities of the structure of vertebrae and changes in the articulate relief of the ham-sacrum joints. The investigation was conducted on 120 human spinal columns. The relatively large number (about one-third of the cases) of observed sacralizations as well as peculiarities of the form and interrelations of the first sacral vertebra with the sacrum and ileum in various forms of sacralization (complete, incomplete, unilateral, bilateral) furnish grounds for regarding this process as a result of natural, historically conditioned adaptations of the lumbosacral division

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Sacralization and Lumbarization in the Evolution of the Human Spine

SOV/21-58-10-23/27

of the human spine due to the vertical position of the body. It is noteworthy that during sacralization there is a change in the form and an increase in the size of the ileo-sacral articulation which aids the reinforcement of the pelvis. Lumbarization cases were not discovered in the investigated material. There are 2 photos and 5 references, 3 of which are Soviet, 1 German and 1 French.

ASSOCIATION: Kiyevskiy meditsinskiy institut im. A akademika Bogomol'tsa
(Kiyev Medical Institute imeni Academician Bogomolets)

PRESENTED: By Member of the AS UkrSSR, V.G. Kas'yanenko

SUBMITTED: March 7, 1958

NOTE: Russian title and Russian names of individuals and Institutions appearing in this article have been used in the transliteration

1. Bone--Physiology

Card. 2/2

YHVTUSEENKO, V.A. (Kiyev, ul. Chkalova, d.2, kv.21)

Structure of the sacrococcygeal segment of the vertebral column in
man. Arkh. anat. gist. i embr. 36 no.3:74-78 Mr '59. (MIRA 12:7)

1. Kafedra normal'noy anatomii (zav. - zasl.deyatel' nauki prof. M. S.
Spirov) Kiyevskogo meditsinskogo instituta.
(SACROCOCCYGEAL REGION, anat. & histol.
structure in man (Rus))

VOROB'YEV, B. M., dotsent; YEVTUSHENKO, V. A., starshiy prepodavatel';
YERSHOV, L. V., dotsent

Using linear programming methods to determine optimum rock
flowages in mines. Izv. vys. ucheb. zav.; gor. zhur. no.9:
77-79 '61. (MIRA 15:10)

1. Moskovskiy gornyy institut imeni Stalina. Rekomendovana
Laboratoriyey elektronnoy modelirovaniya.

(Mining engineering)

YEVTUSHENKO, V. A.

21798

YEVTUSHENKO, V. A. Khimicheskiye osnovy tekhnologii al'ginovoy
kisloty. Ryb. khoz-vo, 1949, No. 7, s. 44-48.

SO: Letopis' Zhurnal'nykh Statey, No. 29, Moskva, 1949