

Spatial distribution of earthquake...

S/166/62/000/003/002/010
B142/B101

72.0° of longitude and at 38° of latitude, and a narrow zone in the North and East of the Fergana valley center are free of earthquakes. The Turkestanskiy and Zeravshanskiy ranges had only few. The Dushanbe-Tashkent zone has a great epicentral density. In the Chatkal'skiy range and the Andizhan region a much lower density was found to prevail now than in previous years. In the Hindukush the depth distribution of earthquake centers was found to follow the same trend as in the past few years (N. A. Vvedenskaya, "Izv. AN SSSR", seria geofiz., 1954, No. 6) and showed the existence of a deep fault. Recurrences of earthquakes have been recorded and the scattering R was calculated as 1.3, proving the stability of seismic activity in Soviet Central Asia. γ_M was calculated to be 0.92 ± 0.06 and $\gamma_k = 0.48$. There are 4 figures.

ASSOCIATION: Institut Matematiki im. V. I. Romanovskogo AN UzSSR (Institute of Mathematics imeni V. I. Romanovskiy of the AS UzSSR)

SUBMITTED: January 20, 1961

Card 3/3

L 16796-63

EWI(1) EWG(a)/EWP(q)/EWT(m)/BDS/REC(b)-2

AFPTC ANI 5.1

IJP(C)

Pz-4

JD/AT

ACCESSION NR: A3306-64

S/0109/63/003/03-1602-1606

AUTHOR: Yesina, N. P.; Zotova, N. V.; Nasledov, D. N.

TITLE: p-n junctions made from InAs

SOURCE: Radiotekhnika i elektronika, v. 8, no. 9, 1963, 1602-1606

TOPIC TAGS: indium arsenide p-n junction, p-n junction, tunnel p-n junction, indium arsenide

ABSTRACT: Properties of diffused p-n junctions made from InAs are discussed. Single-crystal n-type indium arsenide with a Hall constant of $10 \text{ cm}^3/\text{coulomb}$ and an electron mobility of approximately $20,000 \text{ cm}^2/\text{v-sec}$ at 300K was the initial material. Following polishing and etching, the specimens ($3 \times 3 \times 0.6 \text{ mm}$) were placed together with a batch of cadmium in a quartz cupul, where the diffusion process took place at 750C. Saturated vapor pressure was fixed by the lowest temperature of the system (i.e., 600C). After diffusion, the average concentration of acceptors in the p layer was between 6×10^{17} and $8 \times 10^{17} \text{ e/cm}^3$; the p-region thickness

Card 1/2 63

L 16796-63

ACCESSION NR: AP3006464

was 30 to 40 μ . Ohmic contacts were deposited on both sides of the specimens, indium in the n-region, and In with Zn in the p-region. It was found that 1) indium fused in p-type InAs produces a tunnel p-n junction, 2) that InAs p-n junctions, which in reverse direction have currents of a few milliamperes at 300K, make possible currents of a density up to 30 amp/cm² in the forward direction, and that 3) at 77K current in the forward direction is exponentially dependent on voltage in the 150 to 300 mv range. The inverse current value is less than 10⁻⁷ amp/cm² without saturation; the cut-off voltage, about 350 mv; and the breakdown voltage, 7 to 8 v. Orig. art. has: 2 formulas and 6 figures.

ASSOCIATION: none

SUBMITTED: 23Jul63

DATE ACQ: 30Sep63

ENCL: 00

SUB CODE: SD

NO REF SOV: 003

OTHER: 005

Card 2/2

YESINOVSKAYA, G.N.

The technic of pneuencephalography. Vop. psikh. i nevr. no.3:
276-280 '58. (MIRA 12:3)

1. Iz kliniki nervnykh bolezney Voenno-meditsinskoy ordena Lenina
akademii im. S.M. Kirova.
(ENCEPHALOGRAPHY)

YESINOVSKAYA, O.N.

Tropic disturbances of the bones following injuries of the nerve trunks of the extremities. Vop. psikh. i nevr. no.5:299-300 '59.
(MIRA 14:5)

1. Iz kafedry nervnykh bolezney i kafedry rentgenologii Voenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova (nachal'nik - prof. S.I.Karchikyan).

(BONES--DISEASES)
(EXTREMITIES (ANATOMY)--WOUNDS AND INJURIES)

AVDEYEV, Gennadiy Alekseyovich; ABRAMOV Sh.I. prof.red.; YESENOVSKAYA,
G.N., red.
[Cranial tomography] Tomografiia cherepa. Leningrad,
Meditsina, 1965. 195 p. (MIRA 18:2)

YESINOVSKAYA, G.N.; GALKIN, I.P.

Two cases of tuberculosis of the bones of the cranial vault. Probl.
tub. 42 no.11:71-72 '64. (MIRA 18:8)

1. Ob'yedineniya zheleznodorozhnaya bol'nitsa (glavnyy vrach Ye.P.
Belova) st. Velikiye Luki.

YESINOVSKAYA, Ye.N.

Case of late traumatic abscess of the brain. *Vop. psikh. nevr.*
no.10:378-381 '64. (MIRA 18:12)

1. Nervnoye otdeleniye (nauchnyy rukovoditel' - doktor med.nauk
Kh.L.Bel'man) Leningradskogo nauchno-issledovatel'skogo
psikhonevrologicheskogo instituta imeni V.M.Bekhtereva (direktor -
B.A.Lebedev).

YESINOVSKAYA, V.N.

Studying tulip and lily collections of the Estonian S.S.R.
Biul.Glav.bot.sada no.35:53-57 '59. (MIRA 13:2)

1. Institut eksperimental'noy biologii AN Estonskoy SSR.
(Estonia--Tulips--Varieties)
(Estonia--Lilies--Varieties)

YESINOVSKAYA, Ye.N.

Peculiar symptom complex of tick-borne encephalitis. Vop. psikh.
i nevr. no.5:69-71 '59. (MIRA 14:5)

1. Iz nervnogo otdeleniya (nauchnyy rukovoditel' - doktor med.nauk
Kh.L.Bel'man) Psikhonevrologicheskogo inatituta imeni V.M.Bekhtereva
(direktor - chlen-korrespondent Akademii pedagogicheskikh nauk
RSFSR prof. V.N.Myaishchev).
(ENCEPHALITIS)

YESINOVSKAYA, Ye.N.

Clinical aspects of neurobrucellosis. Vop.psikh.i nevr. no.7:95-99
'61. (MIRA 15:8)

1. Iz nervnogo otdeleniya (nauchnyy rukovoditel' - doktor med.nauk
Kh.L.Bel'man) Psikhonevrologicheskogo Instituta imeni V.M.Bekhtereva
(dir. - chlen-korrespondent Akademii pedagogicheskikh nauk RSFSR
prof. V.N.Myasishchev).
(BRUCELLOSIS) (NERVOUS SYSTEM--DISEASES)

YESIPCHUK, K.Ye.; IVANUSHKO, A.S.; LYUL'YEV, Yu.B.

Age of the Kingirskaya series. Sbor, nauch. rab. Kiev, un.
no. 1:47-50 '63. (MIRA 18:11)

YESIPCHUK, P.P.; GORBACHEVSKIY, V.A.; BALOBANOV, A.S., red.; OSOKINA, A.M.,
red. izd-va; KARASIK, N.P., tekhn. red.; VOLKHOVER, R.S., tekhn.
red.

[L-47 single drum winch for the S-80 tractor; "Forestry and Lumber"
pavilion] Odnobarabannaia lebedka L-47 dlia traktora S-80; Pavil'-
on lesnaia promyshlennost' lesnoe khoziaistvo. [Moskva] M-vo
lesnoi promyshl. SSSR [1956] 6 p. (MIRA 11:10)

1. Moscow. Vsesoyuznaya promyshlennaya vystavka.
(Winches)

YESIPCHUK, P.P.; NOVIKOV, G.P.; GAVRIKOV, V.P.; KALENIK, I.I., red.;
PITERMAN, Ye.L., red. izd-va.; BACHURINA, A.M., tekhn. red.

[L-47 single-drum winch for the S-80 tractor; "Lumber industry
and forestry" pavilion] Odnobarabannaia lebedka L-47 dlia traktora
S-80; pavil'on "Lesnaia promyshlennost' i lesnoe khoziaistvo."
[Moskva] M-vo lesnoi promyshl. SSSR [1957] 6 p. (MIRA 11:11)

1. Moscow. Vsesoyuznaya promyshlennaya vystavka.
(Winches)

YESIPENKO, A.

A complex plan helps to open up unused capacities. Mir, first part
no. 12:13-14 B '64. (MIRA 1964)

1. Zamestitel' sekretarya partiznoy organizatsii turbokhoda "Mir".

S/270/63/000/001/013/024
A001/A101AUTHORS: Yesipenko, A. Ye., Zorin, V. Ye.

TITLE: An investigation of the TB-1 (TB-1) optical theodolite

PERIODICAL: Referativnyy zhurnal, Geodeziya, no. 1, 1963, 33, abstract 1.52.217
("Sb. nauchn. tr. Krivorozhsk. gornorudn. in-t", 1962, no. 12,
221 - 227)

TEXT: The authors present the principal technical characteristics of the TB-1 theodolite and report on the results of investigating the value of division of its cylindrical level on the horizontal circle, micrometer scale, precision of sighting and superposition of images of the limb lines, as well as accuracy of measuring horizontal and vertical angles. The following values of rms error have been obtained: superposition of limb lines $\pm 0''53$; sighting $\pm 1''2$; measuring a horizontal direction by one observation $\pm 2''6$, measuring a vertical angle by one observation $\pm 4''8$. In order to test the possibility of using the TB-1 theodolite for the three-stand observational method, three polygons were run with the same number of vertices but different lengths of sides (3, 10 and

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An investigation of the...

S/270/63/000/001/013/024
A001/A101

20 m). In the first polygon the misclosure turned out to be 20"7, in the second - 4"7 and in the third one - 4"6. The conclusion has been drawn that the TB-1 theodolite can be used in running polygonometric traverses of all classes, forming triangulation networks of the 3rd and 4th classes and surveys in underground conditions.

V. Sinyagina

[Abstracter's note: Complete translation]

Card 2/2

YESIPENKO, B. E.

USSR/Human and Animal Physiology. Digestion. V

Abs Jour: Ref. Zhur.-Biol., No 6, 1958, 26967.

Author : B.E. Esipenko.

Inst : The University of Kiev.

Title : Salivation and Diuresis Associated with a Water Load
in Dogs Deprived of Renal Innervation.

Orig Pub: Nauk. zap. Kiivs'k. un-t, 1956, 15, No 12, 81-84.

Abstract: Complete denervation of dogs' kidneys altered the reaction to a water load not only by the kidneys but also by the salivary glands. The usual reduction in salivation associated with a water load was not observed after denervation of the kidneys. Consequently in intact animals it arises reflexly from the interoceptors of the kidneys.

Card : 1/1

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YESIPENKO, B. E.

USSR/Human and Animal Physiology. Digestion. V

Abs Jour: Ref. Zhur-Biol., No 6, 1958, 26969.

Author : B.E. Esipenko.
Inst : The University of Kiev.
Title : The Effect of a Water Load on Salivation in
the Human.

Orig Pub: Nauk. zap. Kiiiv'sk. un-t, 1956, 15, No 12, 85-89.

Abstract: In the majority of cases (41) a water load (500 ml. of boiled water at 36-39°) for a short time depressed salivation from the human parotid induced by food stimuli. This reaction of the salivary glands to a water load was less marked and of shorter duration in the human than in the dog.

Card : 1/1

YESIPENKO, B.Ye.

Role of the cerebral cortex in the correlated activity of salivary
glands and kidneys..Nauk zap..Kyiv..un. 16 no.17:87-92 '57.
(MIRA 13:2)

(CEREBRAL CORTEX) (SALIVARY GLANDS) (KIDNEYS)

~~YESIPENKO, B.Ye.~~ [I~~E~~sypenko, B.IE]; YAREMENKO, M.S. [I~~A~~remenko, M.S.]

Stalagmometric method for determining bile acids in bile [with
summary in English]. Fiziol.zhur. [Ukr] 4 no.4:558-561 J1-Ag '58
(MIRA 11:10)

1. Institut fiziologii im. A.A. Bogomol'tsa AN SSSR.
(BILE--ANALYSIS)

~~YESIPENKO, B.Ye.~~ [I~~E~~sypenko, B.IE]; YAREMENKO, M.S. [I~~A~~remenko, M.S.]

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962920014-7"

Using the method of refractometry to determine the amount of dry
residue in saliva, bile, and urine. Fiziol. zhur. [Ukr.] 7 no.5:
708-709 S-0 '61. (MIRA 14:9)

1. Laboratoriya fiziologii videlennya Institutu fiziologii im.
O.O.Bogomol'tsa Akademii nauk URSR, Kiyv.
(REFRACTOMETRY) (BODY FLUIDS)

YESIPENKO, D.

Youth on village construction sites. Sel'. stroi. 13 no.10:
1-3 0 '58. (MIRA 11:10)

1. Zaveduyushchiy otdelom po rabote sredi sel'skoy molodezhi,
TSentral'nyy komitet Vsesoyuznogo Leninskogo Kommunisticheskogo
Soyuza Molodezhi.
(Farm Buildings) (Communist Youth League)

ADILOV, G.; AKOPYAN, A; DASHKOV, K. (g.Kirov); RETSEPTOR, Ya.(g.Moskva);
YESIPENKO, G.; KOLOBRODOV, G. (g.Moskva)

Editor's mail. Sots.trud 4 no.8:134-136 Ag '59.
(MIRA 13:1)

1. Rekovoditel' normirovochnogo punkta pri Agdashskoy Remontno-
tekhnicheskoy stantsii Azerbaydzhanskoy SSR (for Adilov).
2. Inzhener otдела truda Yerevanskogo zavoda (for Akopyan).
3. Zamestitel' nachal'nika otдела kapital'nogo stroitel'stva
tresta "Dzerzhinskruza" (for Yesipenko).
(Efficiency, Industrial)

YRSIPENKO, G.

For large participation and mastering of radio matters. Radio
no.4:21 Ap '60. (MIRA 13:8)

1. Načhal'nik Leningradskogo gorodskogo radiokluba Vsesoyuz-
nogo dobrovol'nogo obshchestva sodeystviya armii, aviatsii
i flotu.

(Radio clubs)

YESIPENKO, G.I., gornyy inzhener.

Response to the article "New method of upraise driftage" Gor. zhurn.
no.1:79-80 Ja '57. (MLRA 10:4)

1. Tsentral'naya laboratoriya organizatsii proizvodstva i truda
Ukrglavrudy.
(Mining engineering)

YESIPENKO, G.I.
BOCHKOVSKAYA, I.V., gornyy inzhener; YESIPENKO, G.I., gornyy inzhener;
SHTUNDER, I.I., gornyy inzhener.

Testing rock ammonite in the Krivoy Rog Basin. Gor. zhur. no.7:37-
39 JI '57. (MLBA 10:8)

(Krivoy Rog--Explosives--Testing)

Yessipenko, G.I.
YUGOVSKIY, S.I., prof., doktor tekhn. nauk; KANDYBA, M.I., kand. tekhn. nauk;

YESSIPENKO, G.I., gornyy inzh.; STARIKOV, N.I., gornyy inzh.

"Principles of mining by I.S. Volkov. Reviewed by S.I. Ingovskii
and others. Gor. zhur. no.2:77-78 F '58. (MIRA 11:3)

1. Krivorozhskiy gornorudnyy institut.
(Mining engineering)
(Volkov, I.S.)

YESIPENKO, G.Ye. (Novosibirsk)

One property of the parabola. Mat. v shkole no.6:72-73 N-D '59.
(Parabola) (MIRA 13:3)

YESIPENKO, Grigoriy Yefimovich; SHPAKOVSKAYA, L.I., red.

[Mathematics in every-day life] Matematika v zhizni.
Novosibirsk, Novosibirskoe knizhnoe izd-vo, 1960. 99 p.
(MIRA 17:5)

YESIPENKO, I.

Combining groups of decentralized setoffs. Den. i kred. 15 no. 2:44-45
F '57. (MIRA 10:5)

(Payment)

YESIPENKO, I.I.

From the practices of Kiev leather factories. Kozh.--obuv.prom. 3
no.11:11-14 N '61. (MIRA 15:1)

1. Zamestitel' predsedatelya Kiyevskogo sovnarkhoza.
(Kiev--Leather industry)

ACC NR: AM5017937

Monograph

UR/

Kozhevnikov, Sergey Nikolayevich (Corresponding Member, Academy of Sciences of the Ukrainian S.S.R.); Ysaipenko, Yakov Ivanovich; Raskin, Yakov Mikhaylovich

Mechanisms (Mekhanizmy) 3d ed., rev. and enl. Moscow, Izd-vo "Mashinostroyeniye", 65. 1058 p. illus., biblio. Errata slip inserted. 16,000 copies printed.

TOPIC TAGS: mechanical engineering, automatic machine, automatic control, durability

PURPOSE AND COVERAGE: This book contains descriptions of 2,030 mechanisms and their elements applied to present machines of different branches of industry. It also describes elements and apparatus of automatic devices. For most of the material the classification of mechanisms is principally functional. For many mechanisms the design formulas are given in finished form to facilitate planning. This book is useful as a manual for technical engineers in factories, technological and planning institutes as well as for students in design of mechanisms and machines. 14

TABLE OF CONTENTS (abridged):

Preface to third edition—6
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Ch. I. Survey of kinematics and dynamics of mechanisms—9
Ch. II. Links, kinematic pairs and bar mechanisms—73
Ch. III. Gears—174

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UDC:621.01

ACC NR: AM5017937

Ch. IV. ¹Cam mechanisms--302

Ch. V. Friction gears and variators. ¹Brakes--365

Ch. VI. Couplings--435

Ch. VII. Mechanisms with broken motion of driven links--504

Ch. VIII. Mechanisms with regulated motion, compensating, adjusting and safety mechanisms and devices--584

Ch. IX. Guiding mechanisms, mechanisms for conversion of rotating motion into reciprocating or vibrating, reversing mechanisms, mechanisms for automatic switching on and off--650

Ch. X. Mechanisms for performing mathematical operations and mechanisms for devices--716

Ch. XI. Mechanisms and machines of vibrating action--826

Ch. XII. Elastic metal parts--879

Ch. XIII. Mechanisms supplying automatic machines--914

Ch. XIV. Hydraulic and pneumatic gears and control apparatus--978

SUB CODE: 13 / SUBM DATE: 18Feb65/ ORIG REF: 068

Cord 2/2

BDZHOLA, Dmitriy Kirillovich; YESIPENKO, Ivan Maksimovich; ZVONKOVA,
Aleksandra Petrovna; PORTNYAGIN, Veniamin Pavlovich; SMIRNOV, N.,
otv.red.; NADZHDINA, A., red.izd-vs; TELEGINA, T., tekhn.red.

[Analysis of the administrative operations of industrial enter-
prises] Analiz khoziaistvennoi deiatel'nosti promyshlennykh
predpriatii. Moskva, Gosfinizdat, 1960. 154 p. (MIRA 13:4)
(Machinery industry--Finance) (Banks and banking)

YESIPENKO, L.

Useful work. Okhr. truda i sots. strakh. no.3:25-27 S '58.
(MIRA 12:1)

1. Predsedatel' Ukrainского respublikanskogo komiteta profsoyuza
medrabotnikov.

(Ukraine--Public health)

YESIPENKO, P., entomolog (Khabarovskiy kray); KHROLINSKIY, L., starshiy
nauchnyy sotrudnik

From the practices of using chemical poisons. Zashch. rast. ot vred.
i bol. 10 no.2:26-27 '65. (MIRA 18:4)

1. Vsesoyuznaya stantsiya po raku kartofelya, Chernovtsy (for
Khrolinskiy).

YESIPENKO, P.; FASTNEKO, V.

Build faster and cheaper. *STO*, 5 no.1:13-15 Ja '63.

(MIRA 16:5)

1. Predsedatel' soveta nauchno-tehnicheskogo obshchestva stroitel'no-montazhnogo tresta No.17 Dnepropetrovska (for Yesipenko).
2. Uchenyy sekretar' soveta nauchno-tehnicheskogo obshchestva stroitel'no-montazhnogo tresta No.17 Dnepropetrovska (for Fastneko).
(Dnepropetrovsk--Construction industry)

YESIFENKO, P. A.

Effective measures in controlling pear pests, Zashch. rast.
ot vred. i bol. 5 no.10:26 0 '60. (MIRA 16:1)

(Pear—Diseases and pests)
(Spraying and dusting in agriculture)

SHABLIOVSKIY, V.V., entomolog; GUSEV, G.V., entomolog; YESIPENKO, P.A.

Potato ladybird beetle. Zashch. rast. ot vrea. i bol. 9
no.2:24-25 '64. (MIRA 17:6)

1. Glavnyy agronom Khabarovskoy stantsii zashchity rasteniy
(for Yesipenko).

YESIPENKO, P.A.

Pear psylla. Zashch. rast. ot vred. i bol. 7 no.10:53-54
0 '62. (MIRA 16:6)

1. Glavnyy agronom Khabarovskoy krayevoy stantsii zashchity
rasteniy.

(Soviet Far East--Pear--Diseases and pests)

(Soviet Far East--Jumping plant lice--Extermination)

YESIPENKO, P. Ye., inzh.

Laying the foundations of industrial and public buildings
on hollow rubble concrete pilings. Sbor. nauch. trud. Dnepr.
inzh.-stroi. inst. no.31:143-149 '63 (MIRA 18:1)

YESIPENKO, V.D., inzh.; DUBINSKIY, A.Kh., inzh.

Making hard-alloy dies. Mashinostroenie no.6:68-70 N-D '65.
(MIRA 18:12)

ACC NR: AR6029300

SOURCE CODE: UR/0271/66/000/006/B046/B046

AUTHOR: ~~Yesipenko, V. D.~~; Savis'ko, P. A.; Gul'ko, I. F.; Zhelnitskiy, A. I.

TITLE: Some results of experiments with electroluminescent data display systems

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika, Abs. 6B348

REF SOURCE: Sb. Fiz.-tekhnol. vopr. kibernet. Seminar. Vyp. 1. Kiyev, 1965, 55-75

TOPIC TAGS: electric device, data readout, real time data display

ABSTRACT: The merits of this type of data display are noted. Parametrons are used in the control circuit of the data display unit. On the basis of the experimental results obtained the following conclusions are made: 1) such a display unit can operate successfully at an excitation frequency up to 10 kc, 2) an increase in the frequency makes it possible to reduce the electric field strength in order to obtain the same brightness, 3) with an increase in the frequency the brightness sensitivity to supply voltage also increases, 4) a sharp decrease in brightness in the initial periods of operation requires a preliminary conditioning of the display units, and 5) under conditions of constant brightness the operation of the display units is considered optimum. [Translation of abstract] 10 illustrations and bibliography of 9 titles.

A. F.

SUB CODE: 09

Card 1/1

UDC: 681.142.623

GALANINA, Ol'ga Dmitriyevna; MAKSIMOVA, Yuliya Alekseyevna; YBSIPENKO,
V.M., inzh., retsenzent; NADEZHEDINA, N.P., kand.tekhn.nauk,
nauchnyy red.; SOSULINA, V.M., red.; EL'KINA, E.M., tekhn.red.

[Jacquard knitting] Risunchatyi trikotazh. Moskva, Gos.nauchno-
tekhn.izd-vo M-va tekstil'.promyshl. SSSR, 1955. 303 p.
(Knitting, Machine) (MIRA 12:3)

YESIPENKO, Vladimir Eymovich, inzh.; POTEMKIN, Dmitriy Mikhaylovich, kand.
tekhn.nauk; ZAGARINSKAYA, T.A., retsenzent; LIPKOV, I.A., nauchnyy
red.; MIKAYEVA, T.M., red.; KNAKIN, M.T., tekhn.red.

[Cardigan stitch and reversible machines and the technology of
weaving outer garments] Fangovye i oborotnye mashiny i tekhnologiya
verkhnego trikotazha. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po
legkoi promyshl., 1958. 408 p. (MIRA 11:5)
(Knitting machines)

YESIPENKO, V.N.

Conference of the readers of "Tekstil'naya promyshlennost'."
Tekst.prom. 22 no.10:98 0 '62. (MIRA 15:11)

1. Predsedatel' predmetnoy komissii spetsdistsiplin
Ivanteyevskogo mekhaniko-tekhnologicheskogo tekhnikum.
(Textile industry--Periodicals)

YESIPENKO, V.Ye.

Method of graphic registration of the secretion of gastrointestinal glands and of urination. *Fiziol.zhur.* 42 no.7:607-609 J1 '56.

(MIRA 9:10)

1. Otdel fiziologii pishchevareniya i krovoobrashcheniya Nauchno-issledovatel'skogo instituta fiziologii zhivotnykh pri Kievskom Gosudarstvennom universitete

(GASTROINTESTINAL SYSTEM

gastrointestinal glands secretion, registration (Rus))

(DIURESIS,

registration (Rus))

D'YACHENKO, Stepan Kuz'mich, kand. tekhn. nauk; S'OLBOVOY,
Sergey Zakharovich, kand. tekhn. nauk; RAYKO, M.V.,
kand. tekhn. nauk, retsenzent; YESIFENKO, Ya.I., kand.
tekhn. nauk, red.

[Design of machine parts] Raschet i proektirovanie deta-
lei mashin. Kiev, Tekhnika, 1964. 314 p. (MIRA 17:12)

D'YACHENKO, Stepan Kuz'mich, kand. tekhn.nauk; KIRKACH, Nikolay
Fedorovich, kand. tekhn.nauk; YESIPENKO, Ya.I., kand. tekhn
nauk, retsenzent; ~~KUDRYAVTSEV, G.P., red. izd-va;~~ VASILENKO,
M.A., red.izd-va; MATUSEVICH, S.M., tekhn. red.

[Safety clutches] Predokhranitel'nye mufty. Kiev, Gostekh-
izdat USSR, 1962. 119 p. (MIRA 16:5)
(Clutches (Machinery))

YESIFENKO, V.F., inzh.; DOBINSKIY, A.Kh., inzh.

Conveyor winding of coils. Energ. i elektrotakha, proc. no. 2145
Apr 1965. (MIRA 18:8)

VAYSBURD, F.M., inzh. VERIYENKO, V.D., inzh.

Decrease in the short-term start current of electrical systems.

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Izv.vys.ucheb.zav.; tekhn.prom. no.2:123-130 '61. (MIRA 14:5)

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USSR/Weeds and their Control.

N

Abs Jour : Ref Zhur-Biol., No 2, 1958, 6401

Author : Yesipov A. G.

Inst : Not given

Title : Effectiveness of Herbicides (2,4-DU and 2M-4Kh)
in Weed Control in Rice Fields in Primorskiy
Krai (Maritime province).

Orig Pub : Vopr. selsk. i sesn. kh-va Daln. Vostoka, 1956,
1 ed., 65-70

Abstract : From 1951 to 1954 a large number of experiments
were conducted at the Primorskiy Rice Experiment-
tal Station to test 2,4-D and 2M-4Kh in dosages
from 0,5-1,6 kilograms per hectare, and in spray-
ing from aircraft--1,5-1,6 kilograms per hectare
in 100 litres of water. Both preparations in do-
sages up to 2 kilograms were found to be toxic

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oblpromsoвета, г. Rostov-na-Donu.
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149-151 0 '63. (MIRA 16:12)

YESIPOV, V.; MIL'NER, M.

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Odesskoy oblasti (for Yesipov). 2. Glavnyy agronom Kominternovskogo
proizvodstvennogo upravleniya Odesskoy oblasti (for Mil'ner).

AUTHOR: Yesipov, V.D.

SOV/130-59-2-11/17

TITLE: Short Flame High-Pressure Atomisers (Korotkofakel'naya
forsunka vysokogo davleniya)

PERIODICAL: Metallurg, 1959, Nr 2, pp 28-31 (USSR)

ABSTRACT: The undermentioned modifications, including the use of specially designed atomisers, were made to regenerative re-heating furnaces, which had already been converted to firing by crude oil, owing to the shortage of mixed blast furnace and coke ovens gas at the Magnitogorsk Metallurgical Works. The calorific value of the available mixed gas was 2200 to 2500 k calories per cubic metre and the furnaces, which have a hearth area of 3.5 by 8.5 m, were designed for a maximum heat load of 7.5 to 8 million k calories per hour, for the purpose of re-heating ingots and forgings weighing 9 to 12 tons and slabs weighing 4 to 5.5 tons. Each furnace had been fitted with 10 atomisers (5 per side) which were of the high-pressure type, capable of atomising 125 kilos of filtered and pre-heated oil per hour, with the aid of steam at a pressure of 5 to 7 atm (see Fig 1 showing

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Short Flame High-Pressure Atomisers

cross-section of furnace and Fig 2 showing two-stage straight jet atomiser as originally fitted). The 10 combustion chambers in each furnace measured 472 mm long x 1298 mm wide x 490 mm high (as shown in Fig 5) and were planned to burn up to 600 kg/h of oil, but difficulties arose owing to the fact that the oil issuing from the straight jet atomisers did not have time to burn completely before striking the opposite wall of the chamber, where it coagulated into larger drops before being dispersed again by the action of the steam. This inefficient combustion resulted in the production of soot, which collected in large amounts within the furnace and the supply of oil fuel had to be restricted to between 150 and 175 kilos per hour with the use of 5 atomisers only. In order to improve this performance, special single stage high-pressure atomisers were developed which gave a smooth wide flame from a centrifugal jet with an included angle of 50 to 60° (see Fig 4 showing short flame atomiser with centrifugal sprayer: 1) steam pipe 1.25"dia; 2) steam nozzle; 3) needle; 4) oil nozzle; 5) steam pipe .5" dia;

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Short Flame High-Pressure Atomisers

6) nipple .5" dia; 7) threaded shank of needle;
8) baffle plate; 9) nut; 10) needle control plate;
11) nipple 1" dia; A) atomiser support:- 1) swivel
couplings; 2) atomiser body; B) oil nozzle;
C) steam nozzle.) This type of atomiser is capable of
burning up to 150 kilos of oil per hour and has the
valuable advantage of working satisfactorily with a
medium steam pressure of 2.5 to 3 atm, which need not
be constant. The slotted nozzles of these atomisers
also last much longer than the conventional type, which
frequently fails under the very hot working conditions
within regenerative furnaces. The body of the
atomiser is welded from 0.5" and 1.25" dia tube. The
oil nozzle (part 4) is made integral with the centrifugal
spray guide and is welded to the centre tube (part 5).
The steam nozzle (part 2) is crewed onto the outer tube.
The oil and steam are supplied through nipples which are
welded in the same axial alignment upon the atomiser and
are held in swivel couplings (see Fig 4a). The
atomiser can thus be positioned at any angle and by
turning through 180° its nozzle can be easily dismantled

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