KOZINENKO, D.Ye., inzh.; KIRZHBAUM, A.Ya., inzh.

Problems of power engineering in petroleum refining plants. Prom. energ. 19 no.3:16-17 Mr '64. (MIRA 17:4)

20-119-4-30/60

AUTHORS:

Kozinenko, I. K., Shilov, Ye. A., Member AS Ukrainian SSR

TITLE:

The Kinetics and the Mechanism of the Oxidation of Alcohols and Aldehydes by Active Chlorine (Kinetika i mekhanizm okisleniya

alkogoley i al'degidov aktivnym khlorom)

PERIODICAL: Doklady Akademii Nauk SSSR, 1958, Vol. 119,

Nr 4, pp. 737 - 740 (USSR)

ABSTRACT:

In the course of the present work meta-sulfcbenzyl alcohol and meta-sulfobenzaldehyde are used (in form of sodium salts), because these compounds make the observation of the oxidation of the alcohol group of the aldehyde group by active chlorine in an aqueous solution in a pure state possible. The first chapter deals with the oxidation of meta-sulfobenzyl alcohol. In the case of a constant pH value and a larger surplus of meta-sulfobenzyl alcohol the decrease of the titer of active chlorine in the presence of buffer salt obeys the monomolecular equation, which fact points in the direction of a logarithmic anamorphosis. On the other hand, reaction velocity is nearly exactly proportional to the concentration of sulfoalcohol and can, in the general

Card 1/3

The Kinetics and the Mechanism of the Oxidation of Alcohols and Aldehydes by Active Chlorine

20-119-4-30/60

case, be expressed by the equation $-dC/dt = k_2AC$ in the case of constant pH. Here A denotes the concentration of the alcohol and C the concentration of active chlorine. The maxima and minima of this curve are mainly connected with the composition of the solutions of the active chlorine. The data of the experiments discussed are given in form of a table. The experimentally determined as well as the calculated constants agree well with one another within the limits of a considerable interval of pH values. The author believes the following mechanism to be most probable: The oxidation of alcohol passes through the stage of the production of ether of hyperchlorous acid. This hypothesis is, for the time being, of only qualitative character because mathematical utilization of results is difficult. The second chapter deals with the oxidation of meta-sulfobenzaldehyde. The dependence of the velocity of oxidation on the pH value in the presence of a buffer mixture is shown by a diagram. In the acid domain at pH values of from 0 to 5 the curve takes a course similar to that in meta-sulfobenzylalcohol. In the highly acid domain oxidation is brought about by molecular chlorine, and the free

Card 2/3

The Kinetics and the Me hanism of the Oxidation of Alcohols and Aldehydes t/ Active Chlorine

20-119-4-30/60

hyperchlorous acid acts as a weakly oxidizing agent. After pH~ 4 the velocity of reaction at first increases, but, in contrast to the oxidation of alcohol, it does not pass through a maximum but attains a constant value which does not change within the interval of pH values from 8 to 13. The anions of the salts of the buffer mixture catalyze the reaction. The general kinetic equation for this reaction is explicitly written down and is discussed in short. The last part of this work contains some data concerning the production of samples and the carrying out of experiments. There are 2 figures, 1 table and 9 references, 5 of which are Soviet.

ASSOCIATION: Kiyevskiy politekhnicheskiy institut (Kiyev Polytechnic Institute) Institut organicheskoy khimii Akademii nauk USSR

(Institute of Organic Chemistry AS Ukrainian SSR)

SUBMITTED:

November 10, 1957

じむご ノノジ

KOZINENKO, I.K.; SHILOV, Ye.A.

Kinetics and mechanism of reactions between active chlorine and organic compounds. Part 13: Oxidation of the metasulf obenzyl alcohol ion. Ukr. khim. zhur. 26 no.2:206-217 160. (MIRA 13:9)

1. Kiyevskiy politekhn icheskiy institut organicheskoy khimii AN USSR.

(Benzyl alcohol)

KOZINER, A. B.

"The Raising of Large White Breed Replacement Piglets on Semiconcentrated and Concentrated Types of Feeding, Utilizing Udder Massage." Cand Agr Sci, All-Union Sci Res Inst of Animal Husbandry, Moscow, 1953. (RZhBiol, No 2, Sep 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (10)

So: Sum. No. 481, 5 May 55

BELIK, V.F., kand. biolog. nauk; KOZINER, E.P.

Some physiological characteristics of hybrid cucumbers. Agrobiologiia no.6:940-941 N-D '63. (MIRA 17:2)

1. Nauchno-issledovatel'skiy institut ovoshchnogo khozyaystva, Moskovskaya oblast'.

KOZINER, V. B.

FA 1T80

USSR/Medicine - Physiology Biometrics Feb 1947

"The Constancy of Carbo-anhydrase Activity of the Blood in Physical Labor of Maximum Power and Endurance," V B Koziner, 3 pp

"Byul Eksper Med I Biol" Vol XXIII, No 2

Statistical account

1T80

KOZINER, V. B.

KOZINER, V. B. -- "Carbonic (Acid) Anhydrase in the Blood During Muscular Work and Under Altered Respiration Conditions." Sub 12 May 52, Second Moscow State Medical Inst imeni I. V. Stalin. (Dissertation for the Degree of Candidate in Medical Sciences.)

So: <u>Vechernaya Moskva</u> January-December 1952

KOZINER, V.B., kandidat meditsinskikh nauk

Blood plasma substitutes. Edorov'e 2 no.12:4-5 D '56. (MLRA 9:12) (BLOOD PLASMA SUBSTITUTES)

KOZINER, V. B.

"Work on the Experimental Therapy of Acute Blood Loss With a Solution of Polyvinylpyrrolidone," by Prof V. B. Koziner, Byulleten' Eksperimental'noy Biologii i Meditsiny, No 3, Mar 56, pp 58-62

Experiments were conducted both on healthy animals and on those with blood loss at the Central Order of Lenin Institute of Hematology and Blood Transfusion, Academy of Medical Sciences USSR. In both cases, arterial blood pressure and respiration (recorded by a kymograph), the activity of the heart (registered by electrocardiograph), and the volume of the circulating blood (recorded with the aid of dye T1824-Evan's blue) were observed. The basic goal of the experiments was to discover if the infusion of the solution of polyvinylpyrrolidone can save the life of an animal deprived of blood to such a degree that death will result without effective treatment. According to the conclusions of the author, the above-mentioned solution is more effective that other similar agents, and the results of the experiments were positive.

The experiments showed that polyvinylpyrrolidone does not cause pathological changes in the work of the cardiovascular system, and even has a stimulating effect on the heart. A solution of it possesses sufficient colloid-osmotic pressure, is retained well in the blood stream, and leads to an increased pressure in the arterial system. Gradual recovery of the normal rhythm and depth of breathing was observed as a result of transfusion. The content of hemoglobin after blood loss and the introduction of sion. The content of hemoglobin after blood loss and to introduction of the solution was significantly lowered; later it rose and continued to mainthe solution was significantly lowered; later it rose and continued to mainthe a constant level during the experiment. The hematocrit reading changes in a manner which parallels the change in the hemoglobin level. Experiments showed that 2 hours of observation was sufficient time for the determination of the basic characteristics of the blood substitute in relation to its action on the hemodynamics.

Jun 1239

Synthetic blood plasma substitutes. Voen.-med.zhur. no.7:19-25
J1 '56. (MLRA 9:11)

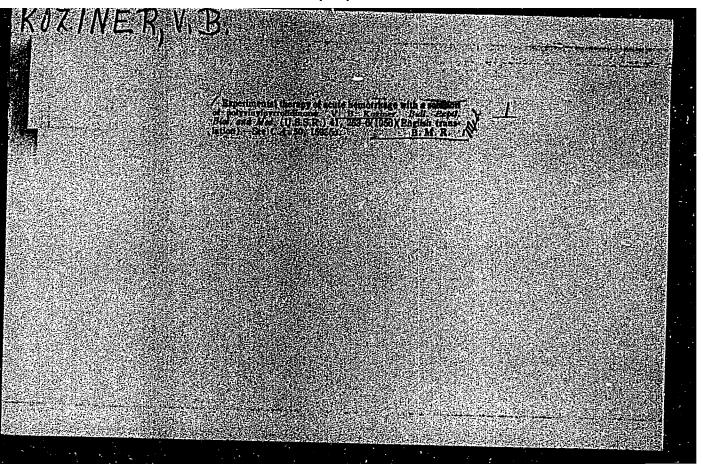
(BLOOD PLASMA SUBSTITUTES)

KOZINER, V.B.

Experimental therapy of acute blood loss with a polyvinylpyrrolidone solution. Biul. oksp.biol. i med. 41 no.3:58-62 Mr '56. (MIRA 9:7)

1. Iz patofiziologicheskoy laboratorii (zav. prof. N.A.Fedorov)
TSentral'nogo ordena Lenina instituta gematologii i perelivaniya
krovi (dir. chlen-korrespondent AMN SSSR prof. A.A.Bagdasarov)
Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR S.Ye.
Severinym.

(HEMORRHAGE, exper.
eff. of polyvinylpyrrolidone on acute blood loss)
(POLYVINYLPYRROLIDONE, eff.
on exper. acute blood loss)



"APPROVED FOR RELEASE: 06/14/2000

KOZINEK, VIB.

45. Gas Exchange, Respiration, and Hemodynamics Studied Following Transfusion with Blood Substitutes

"Gas Exchange, Respiratory Function of the Blood, and Hemodynamics Following Partial Replacement of the Blood with Blood Substitutes," by G. V. Derviz, V. B. Koziner and S. A. Lazarevskiy (Moscow), Central Order of Lenin Institute of Hematology and Blood Transfusion (director, Prof A. A. Bagdasarov, Corresponding Member, Academy of Medical Sciences USSR), Patologicheskaya Fiziologiya i Eksperimental'naya Terapiya, Vol 1, No 2, Mar/Apr 57, pp 48-56

Colloidal blood substitutes polyglyukin (a dextran preparation), isoserum, and a heterogeneous protein blood substitute (Belenkiy's therapeutic serum) were injected into dogs following copious bleeding, gas exchange,

respiratory rate, and the hemodynamics were studied. The gas exchange, disturbed by severe blood loss, returns to normal following transfusion by blood substitutes. Polyglyukin and iso-serum restore the disturbed hemodynamics very effectively. (U)

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KOZIERR, V.B. (Moskva)

Carboxylmethylcellulose as a plasma substitute in acute hemorrhage. Patefiziol. i eksp. terap. 2 no.3:45-46 Ky-Je '58 (MIRA 11:7)

1. Is patofiziologicheskoy laboratorii (zav. - chlen-korrespondent AMN SSSR prof. N.A. Fedorov) TSentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (direktor - deystvitel'nyy chlen AMN SSSR A.A. Bagdasarov).

(BLOOD PLASMA SUBSTITUTES)

(CELLULOSE)

KOZ INTROVED (MARKE) EASE: 06/14/2000 CIA-RDP86-00513R000825820005

Synthetic blood substitute polyvinylpyrrolidone; review of the literature. Pat.fiziol. i eksp.terap. 2 no.6:53-57 N-D '58.

(MIRA 12:1)

(POLYVINYLPYRROLIDONE review (Rus))

ROZENBERG, O.Ya.; POKIDOVA, N.V.; KOZINER, V.B.

New synthetic plasma substitute from a cellulose preparation [with summary in English, p.61-62]. Probl.gemat. i perel. krovi 3 no.1: 35-37 Ja-F '58.

(MIRA 11:3)

1. Iz TSentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A.Bogdassrov)

Ministerstva zdravockhraneniya SSSR.

(PIASMA SUBSTITUTES, preparation of, carboxymethyl cellulose prep. (Rus))

(CELIULOSE related compounds, carboxymethyl cellulose prep. as plesma substitute (Rus))

KOZINER, V.B., RODIONOV, V.M.

Use of T-1824 dye in determining the volume of circulating blood. Inb.delo 4 no.3:19-21 My-Je 158 (MIRA 11:5)

Iz Instituta biologicheskoy i meditsinskoy khimii (dir. - prof. V.N. Orekhovich) AMN SSSR, Moskva.
 (BLOOD VOLUME)

KOZINER, V.B.

Beview of R.A. Dymshits' book "Agute blood loss." Pat.fiziol. 1 eksp.
terap. 3 no.6:82-83 N-D '59. (MIRA 13:3)
(HEMORRHAGE) (DYMSHITS, R.A.)

KOZINER, V.B.

Refrect of polyglucin on certain indicators of blood coagulation in dogs. Problemat.i perel.krovi 4 no.12:39-44 D 159.

(MIRA 13:4)

1. Iz patofiziologicheskoy laboratorii (zaveduyushchiy - chlenkorrespondent AMN SSSR prof. N.A. Fedorov) TSentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (direktor deystvitel'nyy chlen AMN SSSR prof. A.A. Bagdasarov) Ministerstva zdravookhraneniya SSSR.

(DEXTRAN pharmacol.)
(BLOOD COAGULATION pharmacol.)

ECZIHER, V.B., kand.med.nauk; MURAZYAN, R.I., kand.med.nauk

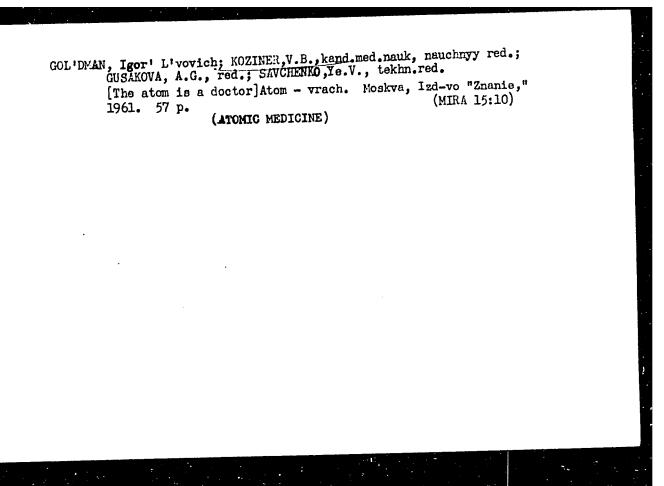
Plasma substitute polyglucin. Voen.-med.zhur. no.6:51-55
Je '59. (MIRA 12:9)

(DEXTRAN, related cpds.
polygucin (Rus))

KOZINER, V.B. (Moskva)

Polyglucin circulation rate and means of the administration. Pat. fiziol.i eksp.terap. 4 no.4:47-52 Jl-Ap 160. (MIRA 14:5)

1. Iz patofiziologicheskoy laboratorii (zav. - chlen-korrespondent AMN SSSR prof. N.A.Fedorov) TSentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A.Bagdasarov) Ministerstva zdravookhraneniya SSSR. (DEXTRAN)



KOZINER, V.B.; GOL'IMAN, I.L.

Histamine in the blood following transfusion of polyglucin.

Problegemetai perelakrovi no.5:41-44 161. (MIRA 14:9)

1. Iz TSentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A. Bagdasarov) Ministerstva zdravockhraneniya SSSR. (DEXTRAN) (HISTAMINE)

KOZINER, V.B. (Moskva)

Restoration of colloid-osmotic pressure, blood volume and serum proteins following hemorrhage and the administration of polyglucin. Pat.fiziol. i eksp. terap. 5 no.3:54-60 My-Je '61. (MIRA 14:6)

1. Iz patofizicneskoy laboratorii (zav. - chlen-korrespondent AMN SSSR prof. N.A.Fedorov) TSentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A.Bagdasarov) Ministerstvo zdravookhraneniya SSSR.

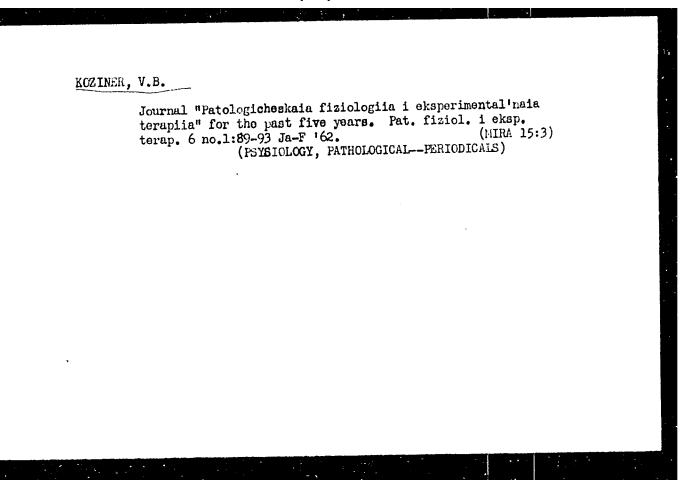
(DEXTRAN) (HEMORRHAGE) (BLOOD VOLUME)
(BLOOD PROTEINS) (BLOOD PRESSURE)

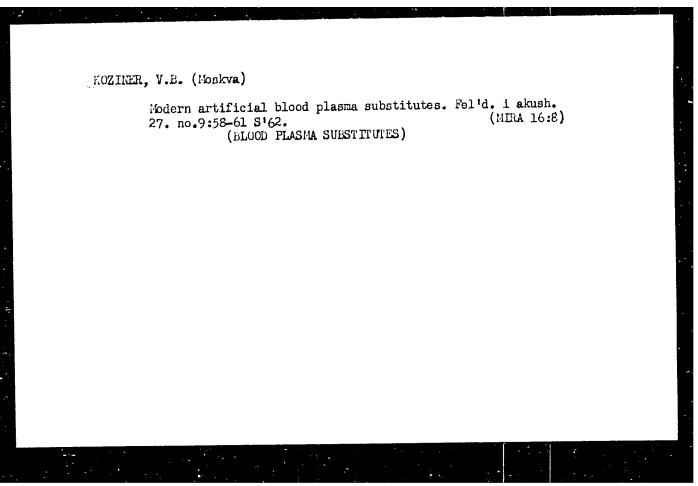
GUREVICH, I. B.; KOZINER, V. B. (Moskva)

Action of polyglucin on the heart and the hemodynamics during plethoric transfusion and during acute hemorrhage. Arkh. pat. no.2:42-49 *62. (MIRA 15:2)

1. Iz patofiziologicheskoy laboratorii (zav. - chlen-korrespondent AMN SSSR prof. N. A. Fedorov) i rentgenovskogo otdeleniya (zav. - doktor meditsinskikh nauk I. B. Gurevich) TSentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A. A. Bagdasarov[deceased]) Ministerstva zdravookhraneniya SSSR.

(HEMORRHAGE) (DEXTRAN—PHYSIOLOGICAL EFFECT)
(BLOOD—CIRCULATION) (HEART)





KOZINER, V.B.

Coronary blood flow following transfusion of blood and blood substitutes. Kardiologiia 3 no.4:83-87 VI-Ag '63. (MIRA 17:3)

1. Iz patofiziologicheskoy laboratorii (zav. - chlen-korrespondent AMN SSSR prof. N.A. Fedorov) TSentralinogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - deystvitelinyy chlen AMN SSSR prof. A.A. Ragdasarov [deceased]).

KOZINER, V.B.; LAZAREVSKIY, S.A. (Moskva)

Coronary circulation and myocardial gas exchange in replacement of blood loss by polyglucin and blood. Pat. fiziol. eksp. ter. 7 no.5:22-29 S-0:63 (MIRA 17:2)

1. Iz patofiziologicheskoy laboratorii (zav. - chlen-korrespondent AMN SSSR prof. N.A. Fedorov) i biokhimicheskoy laboratorii (zav. - prof. G.V.Derviz) TSentral'nogo ordena Lenina
instituta gematologii i perelivaniya krovi (direktor - dotsent
A.Ye.Kiselev).

KOZIHER, V.B.

Vascular tone in different types of hemotherary for some inested for blood. Proble gement, i perel, krowl 9 no. Liste-51 i 161 (Misc. 1881)

1. faboratoriya patulogicheskoy fiziclogri (sav. - sepatriteltnyy chlen AMM SSSR prof. N.A. Fedorow) TS-niralinogo oriena Lenina instituta gematulogii i pereliveniya krovi (dicekto - dotsent A.Ye. Kiselev) Ministerstva niraveckhraneniya SACK Microsa.

KOZINER, V.B.; KOVALENKO, Ye.A.

Oxygen tension in brain tissues in acute hemorrhage and its therapy with blood substitutes and blood. Pat. fiziol. i eksp. terap. 8 no.1:56-58 Ja-F '64. (MIRA 18:2)

1. Laboratoriya patologicheskoy fiziologii (zav. - deystvietl'nyy chlen AMN SSSR prof. N.A.Fedorov) TSentral'nogo instituta gematologii i perelivaniye krovi (dir. - dotsent A.Ye.Kiselev), Moskva.

KCZINER, V.B.

Some characteristics of the blood supply of the brain in substituting the loss of blood with polyglucian and blood. Pat. fixed. i eksp. terap. 9 no.1:11-16 Ja-F 165.

(MIRA 18:11)

chlen AMN SSSR prof. N.A. Fedorov) TSentral nogo ordena lenina instituta gematologii i perelivaniya krovi (direktor - dotsent A. Ye. Kiselev), Makva.

KOZINER, V.B.; PAPUSH, N.D.

Plasma protein fractions following polyglucin substitution in hemorrhage. Probl. gemat. i perel. krovi 10 no.2:37-44 F '64. (MIRA 19:1)

1. TSentral'nyy ordena Lenina institut gematologii i perelivaniya krovi (dir. - dotsent A.Ye. Kiselev) Ministeratva zdravookhraneniya SSSR, Moskva.

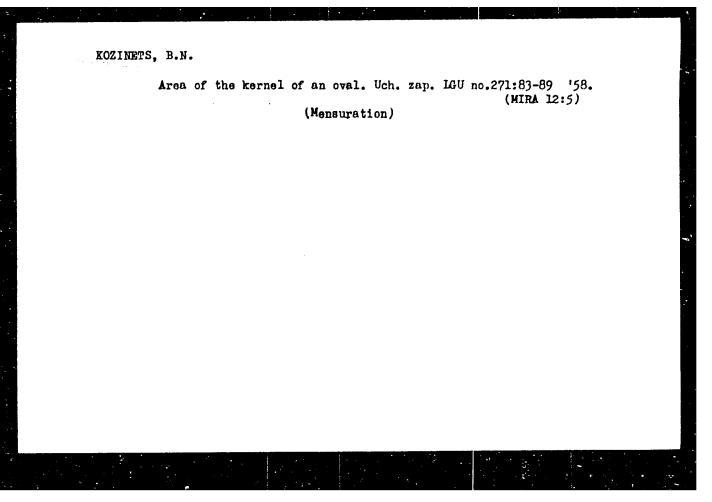
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<u>L 52229-65</u> ENC(3)/ENC(*)/ENC(*)/ANC(2)-2/ENC(2)/ENC(1)/FG(*)-3	16-4 DD /005/0547/0553
	28
AUTHOR: Koyalenko, te. AG Kosiner, V. Bi	27
TIPLE: Oxygen supply of the brain during circulatory hypoxia	
TOPIC TAGE: hypoxia, Hemodynamica, Brain oxygen supply; directator hemodynamics, dog	
ABSTRACT: The dynamics of oxygen tension in brain tissus during Coward studied. Twelve dogs with playing electrodes implanted in the Oxygen tension was determined material raphically. Catheters were in the oxygen tension was determined materials.	nserted into the
acrts, the internal curotic array, and the legicity very nemic hypoxia were created by drawing off blood in batches, thereby hemic hypoxia were created by drawing blood pressure: It was	y requeing the growth that the
amount of production of productions of the blood pressure; lagging a L po of brain tissue gropped along with blood pressure; due to compensa (especially during abrupt drops in blood pressure) due to compensa It is interesting that a similar drop and equalization of po in b observed during rotation in a centrifuge; When still more blood we have a contracted to the contra	rain tisaue is
logical cardiovascular symptoms appeared. A number of the struggle between pathological and compensatory pr	
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hemodynamics Comparison of cladowed that the policif brain terial blood. The experimental tissue is lowered 40% by deorginestoration of the policific the brain. Protonged lowering panied by blood pressure lowering bareathing pure oxygenican rais instance. One of the chief factorist tissue and approximationic, art. has, 3 figures and	ighte derends more of the state of the state of loving of the state of	ne po or veneus diant of an ordinations hen po in brain od in circulation, independent nature of the blood supply of po in brain tissue; accomitian is not compensated ension in brain tissue in this g hypoxia is payen tension in venous blood.	
ASSOCIATION: Laboratoriya pat gematologii i pereliyaniya kro Central Instituta of Hematolog	AT MOSCON TROOLS OLA	OUT FRANCOUVEN BETTER THE STATE OF	
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Mechanized poultry section on the Zhdanov Collective Farm.
Sel'.stroi. 11 no.10:3-5 0 '56. (MLRA 9:12)

1. Kurskiy filial "Rosgiprosel'stroya."
(Belgorod Province---Poultry houses and equipment)



L 27783-66 EWT(d)/T/EWP(1) IJP(c) GG/BB/JXT(CZ)

ACC NR: AP6012911

SOURCE CODE: UR/0020/66/167/005/1008/1011

AUTHOR: Kozinets, B. N.; Lantsman, R. M.; Yakubovich, V. A.

56

ORG: Lithuanian Scientific Research Institute for Forensic Examinations, Vilnius (Litovskiy Nauchno-issledovatel'skiy institut sudebnoy ekspertizy)

9 3

TITLE: Criminalistic examination of similar handwriting by means of electronic computers

SOURCE: AN SSSR. Doklady, v. 167, no. 5, 1966, 1008-1011

TOPIC TAGS: computer application, adaptive pattern recognition, electronic computer,

digital computer

ABSTRACT: One of the most difficult tasks in criminalistic examination is the identification of similar handwriting. The present authors developed a program for a learning digital computer which bases the recognition process on learning according to the algorithm which follows a training sequence. The graphical object is first converted into digital form by means of characteristic features. The processing of data is carried out by associating to the stereotype of the handwriting of a given person a sampling of convex sets. Computer recognition of true and forged signatures of the personnel of the Lithuanian Scientific Research Institute for Forensic Examinations (Litovskiy nauchno-issledovatel'skiy institut sudebnoy ekspertizy) was compared with the results of identifications by experts of the Leningrad Scientific Research Laboratory of Forensic Examinations (Leningradskaya nauchno-issledovatel'skaya laboratoriya sudebnoy ekspertizy), of the scientific technical department

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UDC: 519.95

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of the UM UOOPLO (nauchno-tekhnicheskiy otdel), and the scientific-technical group of the highway department of the militia MOOP RSFSR (nauchno-tekhnicheskaya gruppa dorozhnogo otdela militsii). Results are shown in Table 1.

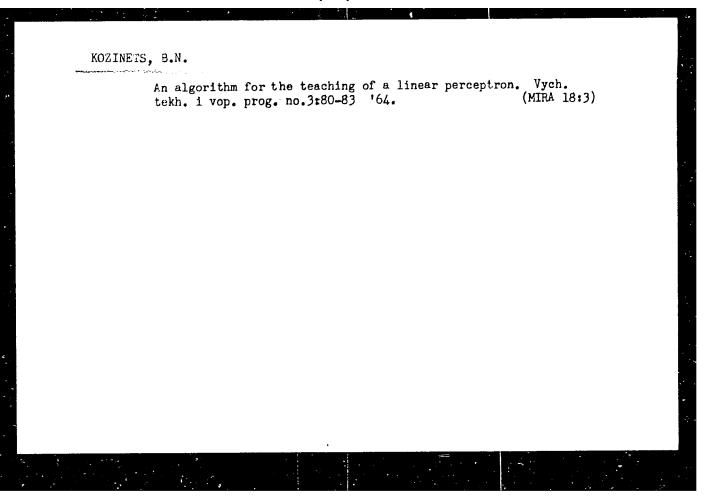
Table 1 Handwriting recognition

	Recognition, percent		
Signature	Experts	Machine	
Metsyavichyus	58, 3; 68, 3; 70	88	
Shtromas	75.4; 78.9; 80.7	91.2	
Chyapas	75.0; 80	84.2	
Poshkyavichyus	90.0; 92	100	

A more detailed account of the investigation will appear in Symposium No. 2 of the Lithuanian Scientific-Research Institute for Forensic Investigation which planned the study in conjunction with the Computer Center of Leningrad University (Vychislitel'nyy tsenter Leningradskogo universiteta). The authors express their gratitude to the experts of abovementioned institutions. The paper was presented by Academician Smirnov, V. I., 20 Jul 65. Orig. art. has: 1 table.

SUB CODE: 05, 09 / SUBM DATE: 17Jul64 / ORIG REF: 001

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825820005-1

ARTEMOV, Yu.V.; KOZINETS, B.N.; YAKUNOVICH, V.A.

Effect of impact on a multimass system. Metod. vych. no.2275-90
(MIRA 18:11)

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825820005-1

GG/BB/JXT(BF)/GD EVIT(d)/EWP(1)L 04900-67 SOURCE CODE: UR/0000/66/000/000/0021/0028 ACC NRI AT6022670 AUTHOR: Kozinets, B. N.; Lantsman, R. M.; Sokolov, B. M.; Yakubovich, V. A. ORG: none TITLE: Handwriting recognition and discrimination by means of electronic computers SOURCE: Moscow. Institut avtomatiki i telemekhaniki. Samoobuchayushchiyesya avtomaticheskiye sistemy (Self-instructing automatic systems). Moscow, Izd-vo Nauka, 1966, 21-28 TOPIC TAGS: pattern recognition, automaton, character recognition, computer application ABSTRACT: The general problem of machine recognition and discrimination of handwriting, the development of the necessary algorithms, and the theoretical principles underlying the process of teaching an automaton handwriting analysis are discussed. The discussion is based primarily on certain theoretical work in this area that has been carried out at the VTs LGU. A detailed explanation is given of the manner in which the handwriting or "graphic" material is converted into a system of numbers suitable for computer processing, and several different metrization techniques are described. The principle of the "dynamic stereotype of writing" (a fundamental assumption of the method proposed) is introduced as a means of neutralizing 1/2Card

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ACC NR: AT6022670

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random or deliberate handwriting deviations from an established and quantized standard. The necessary and sufficient conditions for the validity of this hypothesis are stated, and it is shown that algorithms based on this assumption are in all cases much simpler than those which disregard it. Examples are given and an analysis is made of the results of certain machine experiments using the general techniques outlined, including a comparison of the algorithm adopted with others founded on different approaches. The theoretical considerations and experiments described substantiate the possibility in principle of employing computers for the differentiation of similar handwriting styles. Orig. art. has: 8 figures.

SUB CODE:09,06 / SUBM DATE: 02Mar66/ ORIG REF: 003

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CIA-RDP86-00513R000825820005-1"

BURTMAN, R.I.; GROMOVA, R.V.; KOZINETS, E.A.

Case of congenital cutaneous reticulosis. Pediatriia no.7:79-82 161. (MIRA 14:9)

1. Iz kafedry pediatrii (zav. - prof. G.N. Sperenskiy) TSentral'nogo instituta usovershenstvovaniya vrachey i patologoanatomicheskogo otdeleniya Detskoy bol'nitsy imeni Dzerzhinskogo (glavnyy
vrach A.N. Kudryashova).

(RETICULO-ENDOTHELIAL SYSTEM-DISEASES)

KOZINETS, G. I.; SUKYASYAN, G. V.

Study on the adaptation of bone marrow cells of the red series transplanted in acute radiation sickness. Med. rad. no.12: 36-40 161. (MIRA 15:7)

1. Iz radiobiologicheskoy laboratorii (zav. - prof. M. O. Raushenbakh) TSentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi Ministerstva zdravookhraneniya SSSR.

(MARROW_TRANSPLANTATION) (RADIATION SICKNESS)

RAUSHENBAKH, M.O.; SUKYASYAN, G.V.; KOZINETS, G.I.; TSESSARSKAYA, T.P.;
NOVIKOVA, M.N.; KAZANOVA. L.I.; CHERNOV, G.A.; LAGUTINA, N.Ia.;
CHERTKOV, I.L.

Mechanism of action of the transplantation of bone marrow in

Mechanism of action of the transplantation of bone marrow in irradiated dogs and monkeys. Probl. gemat i perel. krovi 6 no.2:12-20 '61. (MIRA 14:1) (MARROW—TRANSPLANTATION) (RADIATION SICKNESS)

KOZINETS, G.I.

Use of thymidine labeled with tritium in determining bone marrow cell viability. Med.rad. 6 no.4:55-58 '61. (MIRA 14:12) (THYMIDINE) (TRITIUM)

KOZINETS, G.I.; FERTUKOVA, N.M.; SHITIKOVA, M.G.

Radioautography of the blood and hemotopoietic organs. Problegemat.i perelekrovi no.7:9-13 '61. (MIRA 14:9)

1. Iz tsentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A. Bagdasarov) Ministerstva zdravookhraneniya SSSR. (HEMATOPOIETIC SYSTEM-RADIOGRAPHY) (AUTORADIOGRAPHY)

ILYUKHIN, A. V.; KOZINETS, G. I.

Study of the phagocytic activity of transfused leucocytes in the body of the recipient. Probl. gemat. i perel. krovi no.10:54-56 (MIRA 14:12)

1. Iz TSentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A. A. Bagdasarov [deceased]) Ministerstva zdravookhraneniya SSSR.

(BLOOD-TRANSFUSION) (PHAGOCYTOSIS) (LEUCOCYTES)

BAGDASAROV. A. M. [deceased]; SHITIKOVA, M. G.; POLUSHINA, T. V.; KOZINETS, G. I.; LAGUTINA, M. Ya.; RAUSHENBAKH, M. C., prof.

Comparative study of the action of polyglucin of various molecular weights on the course of acute radiation sickness. Report No. 1: Effect of polyglucin infusions on some blood coagulation indices and hemopoletic processes. Probl. gemat. 1 perel. krovi no.4:3-8 (MIRA 15:4)

1. Iz TSentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A. A. Bagdasarovideceased)) Ministeratva zdravookhraneniya SSSR.

(DEXTRAN) (RADIATION SICKNESS)
(BLOOD...COAGULATION) (HEMOPOIETIC SYSTEM)

BARKAYA, V. S.; KOZINETS, G. I.

Study of erythropoiesis in thermal burns using radioactive indicators. Probl. gemat. i perol. krovi no.4:51-52 162.

(MIRA 15:4)

1. Iz patofiziologicheskoy laboratorii (zav. - chlen-korrespondent AMN SSSR prof. N. A. Fedorov) TSentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - dotsent A. Ye. Kiselev) Ministerstva zdravookhraneniya SSSR.

(BURNS AND SCALDS) (HEMOPOIETIC SYSTEM)
(RADIOACTIVE TRACERS)

40628

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S/241/62/007/002/004/004 I015/I215

AUTHOR:

Bagdasarov, A. A. (Deccased), Sukyasyan, G. V., Bogoyavlenskaya, M. P., Kozinets, G. I.,

Hyukhin, A. V., and Rausehenbakh, M. S.

TITLE:

Bone marrow transfusion for treatment of depressed hemopoiesis following irradiation

PERIODICAL

Meditsinskaya radiologiya, v 7, no. 2, 1962, 68-71

TEXT: The necessity to continue radiation therapy in cases of malignant neoplasms forces one to look for efficient rapidly-acting hemopoiesis-stimulating means. Transfusion of homologous bone marrow was tried first on dogs and monkeys after induction of acute radiation sickness. 80-95% of cells preserved their ability for further division and that hemopoiesis subsequently improved markedly. This method was then tried on 40 patients who received 70 transfusions of homologous bone marrow. This treatment had a marked therapeutic effect in most of the patients, particularly among those with the subacute varieties of hypo- and aplastic anemia. The authors conclude, however, that the small number of cases examined is insufficient for definite evaluation of the therapeutic effect of this method.

SUBMITTED.

November 20, 1961

Card 1/1

X

27.122C 27.3400

40659 S/241/62/007/007/002/006 1015/1215

AUTHOR:

Kozinets, G. I., Tsessarskaya, T. P. and Bogoyavlenskaya, M. P.

TITLE:

The study of proliferative capacity of hematopoietic cells be means of radioisotopes

during radiotherapy

Meditsinskaya radiologiya, v. 7, no. 7, 1962, 50-57

TEXT: The effect of chronic irradiation on cell proliferation has not been sufficiently studied. Radioactive P32 and C14 in glycine were employed for the study of DNA and RNA synthesis, and Fe59 for the study of haemoglobin synthesis. Bone marrow from 16 patients subjected to chronic irradiation of 8000-41,000 r was studied "in vitro". Haematologic data obtained from 20 healthy persons served as control. Autoradiography of bone marrow smears showed a decreased incorporation of the labelled atoms in the irradiated individuals. This indicates a decreased synthesis of the nucleic acids and haemoglobin and, consequently, a decreased proliferating capacity of the cells. Similar results were obtained "in vivo" with dogs subjected to chronic daily irradiation at 10 r/day, up to a total dose of 2500-3000 r. Variable impairment of maturation of cells was also apparent. There are 2 figures and 4 tables.

ASSOCIATION: Radiobiologicheskaya laboratoriya zav.-prof. M.O. Raushenbakh Tsentral'nogo ordena

Lenina institute gematologii i perelivaniya krovi (Laboratory of Radiobiology (headed by Prof. M. O. Raushenbakh) Order of Lenin Institute of Hematology and Blood Transfusion)

October 20, 1961 SUBMITTED:

Card 1/1



27,2400

11581 S/241/62/010/010/003/007 D296/D307

Shitikova, M.G., and Kozinets, G.I.

AUTHORS: Determination of the survival time of transfused platelets labelled with Cr51 in acute radiation sickness TITLE:

PERIODICAL: Meditsinskaya radiologiya, v. 10, no. 10, 1962, 41-44

TEXT: In recent years, hemorrhages caused by radiation injuries have been treated by platelet transfusion. The optimal interval between repeated transfusions will depend on the survival time of the platelets in the circulation. The author measured the survival time by labelling platelets with Cr51 by means of Na₂Cr⁵¹⁰₄. Using the

chloride of Cr51 leads to loss of radioactivity as the trivalent Cr51 has a great affinity for plasma proteins; labelling with P32 is time consuming and leads to damage to the platelets. All manipulations were carried out in siliconized glassware. 500 ml of stabilized blood were centrifuged, at 1000 rpm, for 30 min. at 2°C, and 150 - 400 uC Na₂Cr⁵¹⁰₄ were added to the supernatant liquid contain-

ing the platelets. 1 % of the activity became fixed to the plate-Card 1/3

5/241/62/010/010/003/007 D296/D307

Determination of the survival time ...

lets. The specific activity of the preparation used varied between 1.7 and 1 mC per mg Cr51. The mixture was incubated at room tempera-. ture for 40 - 50 min and was centrifuged at 200 for 15 min at 2500 rpm. To eliminate Cr51 present in the plasma the centrifugate was resuspended in 10 - 15 ml of fresh plasma and injected into 13 dogs, on the 2nd - 3rd and on the 9th - 10th day after exposure to x-rays (LD₉₅), i.e. before and after the development of hemorrhages caused

by the acute ra iation sickness. In healthy dogs transfused platelets circulate or 5 - 8 days. When injected 2-3 days after irradiation, the plate ets disappear within 3 - 4 days, and platelets injected after the development of hemorrhages (9 - 10th day) circulate for only 2 - 3 ays. On the basis of these findings the author holds that for the to atment of hemorrhages accompanying acute radiation sickness, platelet transfusions should be given at intervals not exceeding 2 - 3 days. There are 2 figures.

ASSOCIATION: Radiobiologicheskaya laboratoriya i izotopnaya laboratoriya Tsentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (Radiobiological and Isotope Laboratory, Central Institute of Hematology and Blood Transfusion, 'Order of Lenin')

Card 2/3

KOZINETS, G.I.

Study of the proliferation properties of hematopoietic cells using radioactive indicators; a survey of the literature.

Probl.gemat.i perel.krovi no.ll:41-48 '62. (MTRA 15:11)

1. Iz radiobiologicheskoy laboratorii (zav. - prof. M.O. Raushen-bakh) TSentral'nogo ordena Lenina instituta gematologii i pereli-vaniya krovi (dir. - dotsent A.Ye. Kiselev) Ministerstva zdra-vookhraneniya SSSR.

(HEMOPOIETIC SYSTEM) (RADIOACTIVE TRACERS)

LAYTA, L.G.[La1tha, L.G.]; SHEPSHELEVICH, L.L.[translator]; SHITIKOVA, M.G.[translator]; KCZINTS, G.I.[translator]; RAUSHENBAKH, M.O., prof., red.; OMEL'YANENKO, L.M., red.; BUKOVSKAYA, N.A., tekhn. red.

[Use of isotopes in hematology] Primenenie izotopov v ge-matologii. Moskva, Medgiz, 1963. 101 p. Translated from the English.

(MIRA 16:7)

(HEMATOLOGY) (RADIOACTIVE TRACERS)

KOZINETS, G.I.; OSECHENSKAYA, G.V.

Inclusion of C¹⁴ labeled glycine in the hematopoietic cells of patients with leukemia. Med. rad. 7 no.11:53-59 N¹62.

(MIRA 16:9)

l. Iz radiobiologicheskoy laboratorii (zav. - prof. M.O. Raushenbakh) i gematologicheskoy kliniki (zav. - prof. M.S. Dul'tsin) TSentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi.

(LEUKEMIA) (HEMOPOIETIC SYSTEM) (GLYCINE)

KOZINETS, G.I.; TSESSARSKAYA, T.P.

Proliferation and maturation of bone marrow cells in acute radiation sickness. Med. rad. 7 no.12:43-49 D'62.

(MIRA 16:10)

1. Iz radiobiologicheskoy laboratorii (zav. - prof. M.O. Raushenbakh) TSentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi.

KAZANOVA, L.I.; KOZINETS, G.I.

Cytochemical and radioautographic study of nucleic acids in leukemic cells. Probl. gemat. i perel. krovi 8 no.4:19-22 Ap'63 (MIRA 17:2)

l. Iz tsitologicheskoy laboratorii (zav. - prof. E.I. Terent'yeva) i radiobiologicheskoy laboratorii (zav. - prof. M.O. Raushenbakh) TSentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - dotsent A.Ye. Kiselev) Ministerstva zdravookhraneniya SSSR.

Study of the dynamics of erythropolesis using taymidine 4, Fe⁵⁹ and erythropoletin. Ned. rad. 6 no.666-63 Je '63. (MRA 17:7)

1. 1z TSentral 'nogo ordena Lem'na instituta genatologii i perelivaniya krovi Ministeratva zdravookhrunoniya SSSR i Instituta Gustava Russi, Frantsiya.

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825820005-1

REGETIVE SHERMAR, M.P.; MOTIKOV. Ye.4.; HINUMPIN, A.T.; FROM HERMAR, C.I.;

Mechanism of the requirement of home merces tree below in the treatment of religion, ictness. New Year. State 10.

1. Is redicted by Interesting the recent (rev. - pr. T. N. Remained by Dentral nogo orders Leafna institute general ingil I peralivaniya hermai.

ILYUKHIN, A.V.; KOZINETS. G.I.; SUKYASYAN, G.V.

Distribution of transfused leucocytes and cells of the bone marrow in the organs and tissues of the recipient. Probl. gemat. i perel. krovi 8 no.7:46-51 J1 163. (MIRA 17:10)

1. Iz radiobiologicheskoy laboratorii (zav. -prof. M.C.Raushenbakh) TSentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. -dotsent A.Ye.Kiselev) Ministerstva zdravookhraneniya SSSR.

FAYNSHTEYN, F.E.; KOZINETS, G.I.; KAZANOVA, L.I.

Radioautographic and cytochemical examination of hemopoietic cells in aplastic and hypoplastic anemias. Probl. gemat. i perel krovi no.10:19-24 *63 (MIRA 18:1)

1. Iz gematologicheskoy kliniki (zav. - prof. M.S. Dil'tsin), radiobiologicheskoy laboratorii (zav. - prof. M.O. Raushenbakh) i tsitologicheskoy laboratorii (zav. - prof. E.I. Terent'yeva) TSentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - dotseni A. Ye. Kiselev) Ministerstva zdravockhrancniya SSSR.

FEDOROVA, L.I.; GRIGOR'YEVA, O.V.; KOZINETS, G.I.

Preparation of plasma by formation of increased pressure in flasks. Probl. gemat. i perel. krovi 9 no.3:57-58 Mr '64.

l. TSentral'nyy ordena Lenina institut gematologii i perelivaniya krovi (dir.- dotsent A.Ye. Kiselev) Ministerstva zdravookhraneniya SSSR.

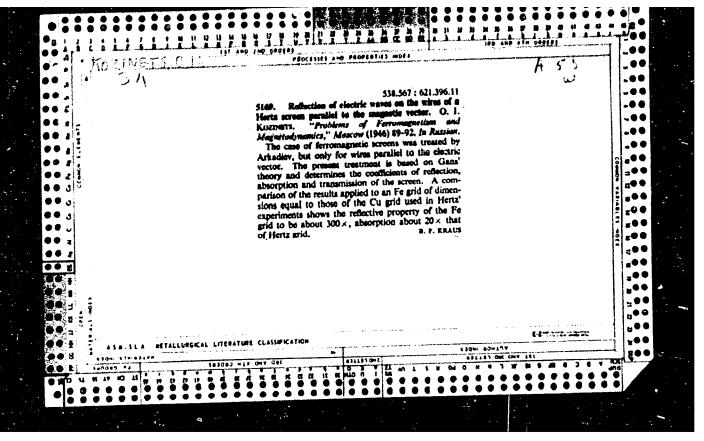
"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825820005-1

KIRTBAYA, Yu.K., doktor tekhn. mauk; KUINMETS. M.F., Inch.: VEHER, G., ekonomist

Economic effectiveness of the ""uganrozheta" delf-propolled chassis. Trukt. i gel'khozmash. no.11:23-26 N '65.

1. Parainskaya seliskoknonyayatuannaya akasaniya.

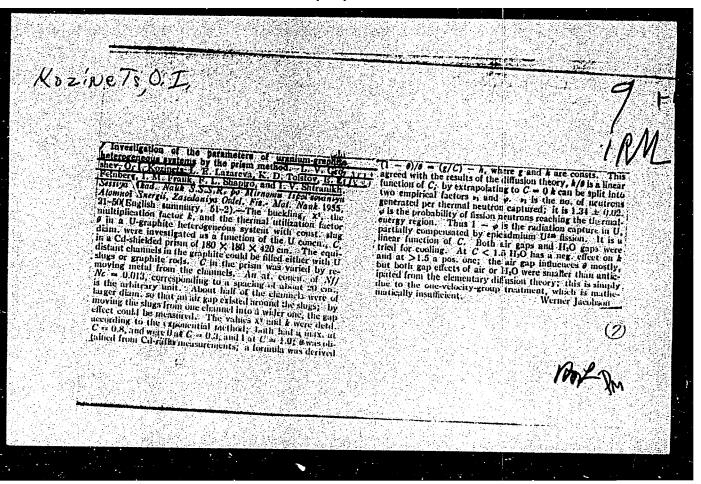
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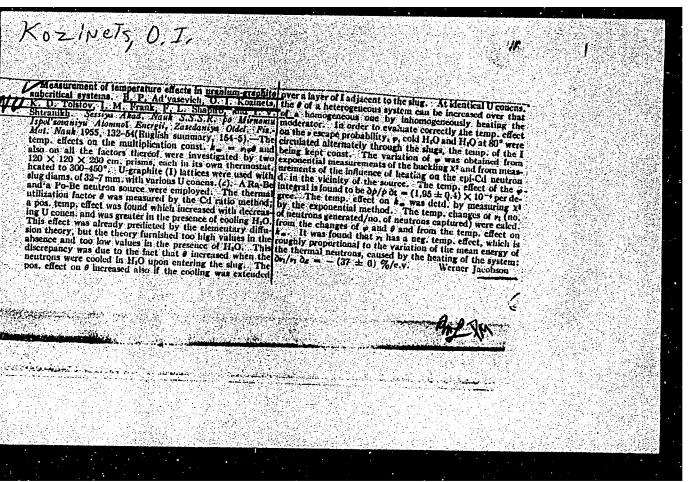
"Determination of the Mass of Nuclear Fragments Released by Retarded Neutrons," Usp. Fiz. Nauk, 35, No.4, 1948

KOZINETS, O. I.

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825820005-1



"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825820005-1



41432

24 67/2

S/120/62/000/005/003/036 E032/E314

AUTHORS: Kozinets, O.I., Shapiro, F.L. and Shtranikh, I.V.

TITLE: A linear ion-buncher

PERIODICAL: Pribory i tekhnika eksperimenta, no. 5, 1962, 25 - 28

TEXT: This paper describes an ion-buncher in which a mono-energetic ion beam is converted into bunches of monoenergetic fons. The principle of the device is illustrated in Fig. 2. Suppose that ions of velocity V enter the buncher at x=0.

In order to bunch the ions between t=0 and $t=t_H$, the velocity of each ion must be increased by $V=V_0-V_0$ at the appropriate time t and the corresponding coordinate $x=V_0$ ($t-t_H$), where t_H is the instant at which the ion collection begins. This means that the electric field should travel along the axis of the buncher with the velocity V_0 .

The voltage front U(x) is at rest in the coordinate system moving with the velocity $V_{\frac{1}{2}}$ and if the height of this front eU Card $1/\frac{1}{2}$

S/120/62/000/005/003/036 E032/E314

A linear ion-buncher

is equal to $1/2~\text{mV}^2$, or somewhat less,then in this system of coordinates the ions are slowed down to zero or some small finite velocity, i.e. they are bunched on the crest of the voltage wave. The bunching coefficient is given by

$$V'/V = \sqrt{1 - eU_{max}}/E \; ; \; E = \frac{1}{2} mV^2$$
 (3)

where V' is the ion-drift velocity on the crest of the voltage wave. If the height of the voltage wave eU is greater than $1/2 \text{ mV}^2$, then the ions are reflected from it, the length of the beam is unaltered but the time spread is reduced by a factor equal to $2(V_0 V_0) - 1$. This type of buncher can be used with the aid of an axial set of apertures in which the axial field U is of the form

$$U = 0 \quad \text{for } x_{lab} > V_{\overline{Q}}(t - t_{H}),$$

$$U = U_{\text{max}}/C[x_{lab} - V_{\overline{Q}}(t - t_{H})] \quad \text{for } V_{\overline{Q}}(t - t_{H}) - d \leq x_{lab} \leq V_{\overline{Q}}(t - t_{H}),$$

$$U = U_{\text{max}} \quad \text{for } x_{lab} \leq V_{\overline{Q}}(t - t_{H}) - d \quad (6),$$

A linear ion-buncher

S/120/62/000/005/003/036 E032/E314

For deuterons of energies between 0.6 and 5 kV, linear bunching ratios of 6-7 can be obtained for $V_{\Phi} = 10^{\circ}$ cm/sec, initial

length of beam 10 cm, voltage "rise length" of 5 cm and initial energy spread of 50 eV. The corresponding time-bunching ratios are 25 - 9.5. Multiple bunching is also possible, at least, in principle. There are 2 figures and 1 table.

ASSOCIATION:

Fizicheskiy institut AN SSSR

(Physical Institute of the AS USSR)

SUBMITTED:

January 13, 1962

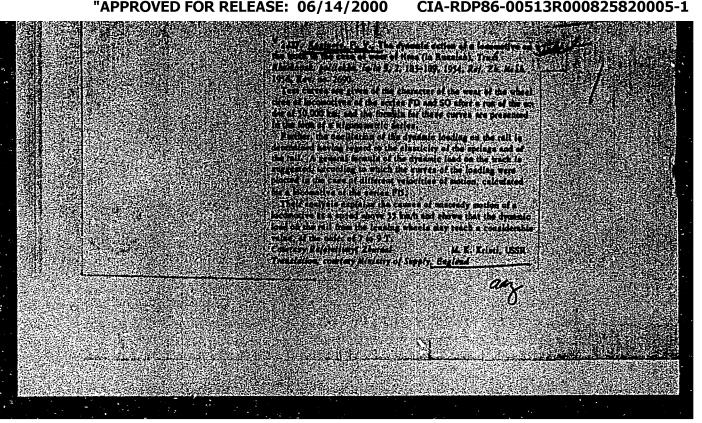
Card 3/1/3

KOZINETS, P.; ALLENDORF, A., glavnyy konstruktor

Using wooden shields in constructing trench silos. Sel'. stroi.
13 no. 9:13- S'58. (MIRA 11:10)

Direktor Vladimirskogo filiala "Rosgiprosel'stroya" (for Kozinets).
 (Silos)

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825820005-1



137-58-2-3121

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 2, p 127 (USSR)

AUTHORS: Kozinets, P.V., Dmitruk, Ya.N.

KOZINETS, P.V.

TITLE: Wear of Locomotive Tires and Repair by Hard Surfacing (Iznos parovoznykh bandazhey i ispravleniye ikh naplavkoy)

PERIODICAL Tr. Khar'kovsk. politekhn. in-ta, 1956, Vol 10, Nr 3, pp 91-99

Hard surfacing with a thin electrode wire, using a flexible-ABSTRACT: electrode semi-automatic PSh-5 welder, following a pre-heat to 300-350°C, is recommended for restoration of worm tires (T) to their full profile. On edging with Sv-10G2 electrode wire containing about 1.8 percent Mn, uniform resistance to wear of the weld metal and the T metal is provided. This method of repairing T prevents the formation of cracks in the fused-on metal and in the zone of heat effect. Employment of this method of hardsurfacing increases locomotive runs between overhauls by as much as 10 percent. The best results in surfacing local T wire is by a two-arc procedure employing 2-mm electrode wire, and also by multi-electrode automatic submerged sufacing, making it possible to regulate the chemical composition of the weld metal by the use of wires of different grades, while permitting high Card 1/1 rates of production.

1. Hard surfacing—Applications 2. Locomotive tires—Hard surfacing 3. Welding—Equipment

Kozinels, Pr.

SUBJECT:

USSR/Welding.

135-4-9/15

AUTHORS:

Kozinets, P.V., Engineer, Veretnik, L.D., Engineer, and Trubachev

V.A., Engineer.

TITLE:

Straightening the Body of Diesel Locomotive "T)-3" (Pravka

kuzovov teplovozovT3-3).

PERIODICAL:

"Svarochnoye Proizvodstvo", 1957, # 4, pp 24-25 (USSR).

ABSTRACT:

The article describes the new method for straightening out the bulges, caused by wel ing warpage, when the steel sheets of the body are welded to the frame of the diesel locomotive "T3-3", which is used at the Khar'kov Transport Machine Building Plant. The methods formerly applied, consist of corrugating the sheet edges or of symmetrical heating, or electric riveting instead of welding, had disadvantages that compelled to seek other solutions of the problem. It was found a better method to heat a bulge by torch to dark cherry-red in spots of 8-10 mm diameter 24-40 mm apart, depending on the size of the bulge, and cooling the heated spots by a stream of compressed air from the opposite side, but the new method, which is in use at the present time is still a better solution. It consists of spot-heating by a graphite electrode with a special holder connected to a "CT3-3"

Card 1/2

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000825820005-1"

135-4-9/15

TITLE:

Straightening the Body of Diesel Locomotive "79-3" (Pravka kuzovov teplovozov T9-3).

transformer. There is no need to cool the metal from the other side, the work is done fast and without any fixtures. The bulges disappear nearly completely, i.e. the bulging may be 1 mm in 1 m length, whereas 3 mm in 1 m is permissible by the technical conditions. The graphite electrode leaves no traces on the metal surface.

The method is recommended for the procuction of buses, allmetal railway cars and similar constructions.

The article contains 2 sketches.

ASSOCIATION: Khar'kovskiy Zavod transportnogo machinostroyeniya. (Khar'kov Transport Machine Building Plant).

PRESENTED BY:

SUBMITTED:

AVAILABLE: At the Library of Congress.

Card 2/2

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825820005-1

VERETNIK, Lev Davydovich, inzh.; KOZINETS. Pavel Jasil'yevich, kand. tekhn.
nauk; MEHINTSHV. Sergey Pavlovich, inzh.; KHUTORYANSKIY, M.M., red.;
BOBROVA, Te.N., tekhn. red.

[Compressors driven by diesel locomotives] Teplovoznye kompressory.
Moskva, Gos. transp. zhel-dor. izd-vo, 1958. 62 p. (MIRA 11:7)

(Compressors) (Diesel locomotives)

KOZINETS, P.V.; KARTASHOV, I.N.; KAGANOVSKIY, A.I.; GESYUK, Z.M.;

SASIN, I.F.; NAYMAN, G.M., inzh., retsenzent; LIFCHUK, A.M., kend. tekhn.nauk, red.; GALANOVA, M.S., red. izd. va; EL'KIND, V.D., tekhn. red.

[Technology of diesel locomotive construction] Tekhnologiia teplovozostroeniia. [By] F.V. Kezinets i dr. Moskva, Mashgir, 375 p. (MIRA15:10)

(Diesel locomotives -- Design and construction)

ZHUK, A.S.; GRES'-EDEL'MAN, V.Ye.; CHEROTAREVA, Ye.V.; KOZINETS, R.G.; ROZINA, Ts.S.; POLONSKAYA, Ts.L.

The effect of penicillin therapy on immunologic changes in scarlet fever. Pediatriia, no.5:23-26 S-0 '55. (MLRA 9:2)

1. Iz skarlatinoznoy laboratorii (zav.-kandidat meditsinskikh nauk B.Ye. Gres'-Edel'man) Khar'kovekogo nauchno-issledovatel'skogo instituta imeni Mechnikova (dir.-kandidat biologicheskikh nauk G.P. Cherkas) i 8-y infektsionnoy bol'nitsy (glavnyy vrach Ye. V. Chebotareva)

(SCARLET FEVER, ther.
penicillin, eff. on immunity)
(IMMUNITY
in scarlet fever, err. of penicillin)

MOZINETS, T. Ye., Cand Biol Sci -- (diss) "Comparative anatomic and microchemical study of the Bruchus-weevil of wheats growing under various conditions." L'vov, 1958. [1], 16 pp (Acad Sci UkSSR, Inst of Botahy), 120 copies (KL, 15-58, 114)

-22-

"APPROVED FOR RELEASE: 06/14/2000 CI

CIA-RDP86-00513R000825820005-1

L 0999Ц-67

ACC NR: AR6017576

SOURCE CODE: UR/0196/66/000/001/N008/N008

AUTHOR: Kozinets, V. P.; Tayts, N. Yu.

TITLE: Overheating of permanently fixed parts in electrical contact devices

SOURCE: Ref. zh. Elektrotekhnika i energetika, Abs. 1N3ô

REF SOURCE: Elektrotermiya. Nauchno-tekhn. sb., vyp. 44, 1965, 53-57

TOPIC TAGS: vacuum furnace, heat treating furnace

TRANSLATION: A universal method of calculating energy and thermal parameters in the overheating of permanently fixed materials of constant cross sections in high-temperature, direct-action vacuum furnaces is presented. This method can be used for calculations in the heat treatment of blanks of high melting alloys which oxidize readily. Differential equations and graphs are given to describe the accuracy of the calculations under various heating conditions with a maximum error of 5% in determining the applied potential and 3.5% in more exact calculations. V. Khristianovich.

SUB CODE: 13

UDC: 621.365.38:66.041.8

(Card 1/1

L 26392-66 EPF(n)-2/EWT(1)/ETC(m)-6

ACC NR: AP6007184 SOURCE CODE: UT/0170/66/010/002/0182/0187

AUTHORS: Kozinets, V. P.; Tayts, N. Yu.

ORG: All-Union Institute of the Pipe Industry, Depropetrovsk (Vsesoyuznyy institut trubnoy promyshlennosti)

TITLE: The heating of long objects in straight-through electric-contact apparatus SOURCE: Inzhenerno-fizicheskiy zhurnal, v. 10, no. 2, 1966, 182-187

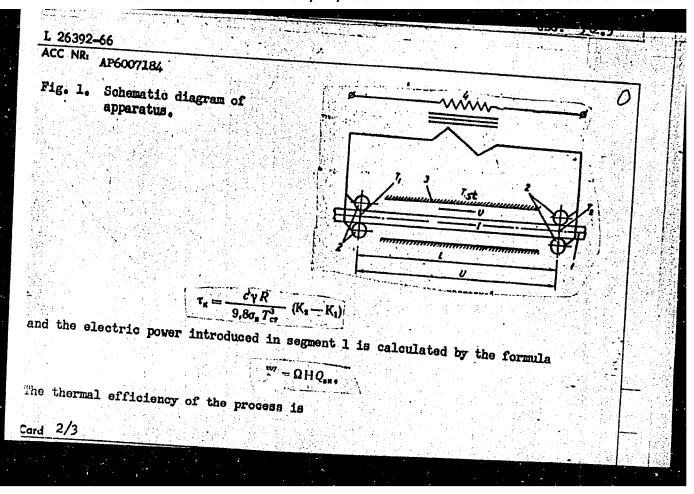
TOPIC TAGS: heating, heat balance, steel, heat loss, integral equation, resistivity, electric resistance

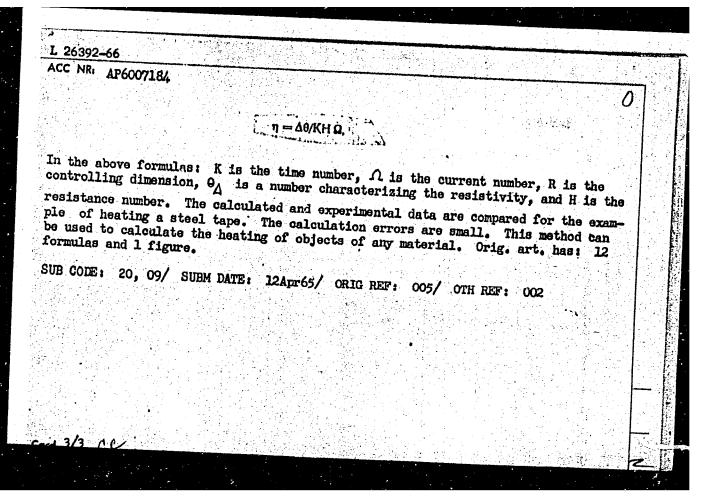
ABSTRACT: A method of calculating the electric and heat parameters in straight-through electric-contact apparatus is described (see Fig. 1). The equation $K \int_{0}^{\pi} = \frac{1}{g^4 + 2h^3} \left(\frac{g}{2} \ln \left[\frac{\theta^3 - g\theta + g^3/2 - h}{\theta^3 + g\theta + g^3/2 + h} \right] - \frac{g^2 - 2h}{Vg^2 + 4h} \times \frac{g^2 - 2h}{Vg^2 + 4h} \right)$ $\times \operatorname{arctg} \frac{2\theta + g}{g^2 + 2h} = \frac{g^2 + 2h}{(g^2 + g\theta + g^3/2 + h)} = \frac{g^2 - 2h}{Vg^2 + 4h} \times \frac{g^2 - g^2}{Vg^2 + g^2} = \frac{g^2 + 2h}{Vg^2 + g^2} = \frac{g^2 - g^2}{Vg^2 + g^2} = \frac{g^2}{Vg^2 + g^2} = \frac{g^2}{g^2} = \frac{g^2}{Vg^2 + g^2} = \frac{g^2$

is valid for most metals. The heating time is calculated by the formula

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L 36372-66 EWT(m)/T/EWP(t)/ETI IJP(c) JD

ACC NR: AR6009957

SOURCE CODE: UR/0137/65/000/012/D012/D012

AUTHOR: Kozinets, V. P.; Tayts, N. Yu.

52

TITLE: Heating rigidly fixed parts in an electrocontact unit

B

SOURCE: Ref. zh. Metallurgiya, Abs. 12D96

REF SOURCE: Elektrotermiya. Nauchno-tekhn. sb., vyp. 44, 1965, 53-57

TOPIC TAGS: mathematic method, electric equipment, vacuum furnace, metal heat treatment, refractory allay

ABSTRACT: A universal method has been proposed for calculating energy and thermal parameters in the heating of rigidly fixed parts with a constant cross section in high-temperature direct-action vacuum furnaces. The method is applicable for the calculation of heat treatment of different types of parts made of refractory and easily oxidized alloys of various grades. Differential equations and diagrams are given in the original article, providing the accuracy of approximate calculations with a maximum error of 5% and for more accurate calculations, 3.5%, for different heat treatments in determining the values of the voltage used. *(From RZh elektrotekin [Translation of abstract]

SUB CODE: /3,11/

Card 1/1

UDC: 621.771.2

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AUTHORS:

Gindin, I. A., Kozinets, V. V., and Starodabov, Ya. D.

TITLE

Comparison of structural changes in nickel caused by deformation at 4.2 and $300^{\circ} K$ and by subsequent creeping

PERIODICAL: Fizika tverdogo tela, v. 4, no. 2, 1962, 465-469

TEXT: Experiments with high-purity nickel (99.994%) tempered at 800°C and 3.10°6 mm Hg and subsequently deformed by 3.5% at 4.2 or 300°K by stretching are reported. Some of the specimens were subsequently kept at room temperature for 80 - 100 hrs and subjected to creep tests at 700°C and constant pressure (2.8 kg/mm²), while others were heated from 4.2°K to 700°C within 1.5 - 2 min and likewise subjected to creep tests. Both stretching and creeping were carried out with machines described in FMM, 1.794, 1959. A sharply focused X-ray tube, designed by B. Ya, Pines (Ostrofokusnyye rentgenovskiye trubki i prikladnoy rentgenostrukturnyy analiz (Sharply Focused X-ray Tubes and Applied X-ray Analysis) GITTL.