IL'YENKO, V.G., inzh.

Question of reviewing mine lighting standards. Svetotekhnika 4 no.4:15-16 Ap '58. (MIRA 11:4)

1. Nauchno-issledovatel'skiy gornorudnyy institut.
(Mine lighting--Standards)

IL'YENKO, Vasiliy Grigor'yevich; KOROBKO, Vasiliy Grigor'yevich; KONOGRAY, Boris Yakovlevich; KOVSHULYA, Fedor Andreyevich; LISTROV, Oleg Fedorovich; D'YACHENKO, I., red.; GUSAROV, K., tekhn.red.

[Safety techniques in Krivoy Rog Basin mines] Tekhnika bezopasnosti na shakhtakh Krivbassa. Kiev, Gos.izd-vo tekhn.lit-ry USSR, 1959. 133 p. (MIRA 13:4)
(Krivoy Rog—Mining engineering—Safety measures)

PISANKO, K.S., kand.tekhn.nauk; IL'YENKO, V.G., inzh.

Combined solution of problems connected with technological processes in mining engineering. Bezop.truda v prom. 5 no.9:6-7 S '61. (MIRA 14:10)

(Mining engineering)

USSR / Virology--Viruses of Man and Animals; Viruses of Transmission Infections

Abs Jour: Ref Zhur-Biologiya, no 21, 1958, 94852

Author : Il'yenko, V. I.

Inst : Institute of Experimental Medicine, Academy of Medical Sciences USSR

Title : Materials for the Study of Role of Milk in Virus Transmission of Diphasic Meningoencephalitis

Orig Pub: Yezhegodnik, In-t eksperim. med. Akad. med. nauk SSSR, 1955, L., 1956, 248-252

Abstract: In two foci of diphasic meningoencephalitis (DME), 850 milk samples were examined and 15 strains of DME virus were isolated. The growth in the titer of neutralizing antibodies was established in goats

Card 1/3

IL'YENKO, V. I. and A. A. SMORODINTSEV

"Epidemiological Variants of Tick-Borne Spring-Summer Encephalitis Infections in European USSR."

report submitted at the Sixth International Congress of Tropical Medicine and Malaria, Lisbon, 5-13 September 1958.

Inst. affil.: Inst. of Experimental Medicine, Leningrad.

USSR / Virology. Human and Animal Viruses. General Problems. D

Abs Jour: Ref Zhur-Biol., No 2, 1959, 5281.

Author : Lenkevich, M. M.; Il'yenko, V. I.
Inst : Not given.
Title : Experimental Pharmacotherapy of Some Viral Infections.

Orig Pub: Vopr. virusologii, 1958, 3 No 1, 50-52.

Abstract: The therapeutic effects of the inhibitors of the cholinesterase, phosarbin (tetraethyl monothiopyrophosphate), of preparation No. 83 (carbethoxymethylamide diethylphosphoric acid), and also of the quinolites diphacyl and IIM-22 (ester of diethylaminoethanol and phenylglycollic acid)

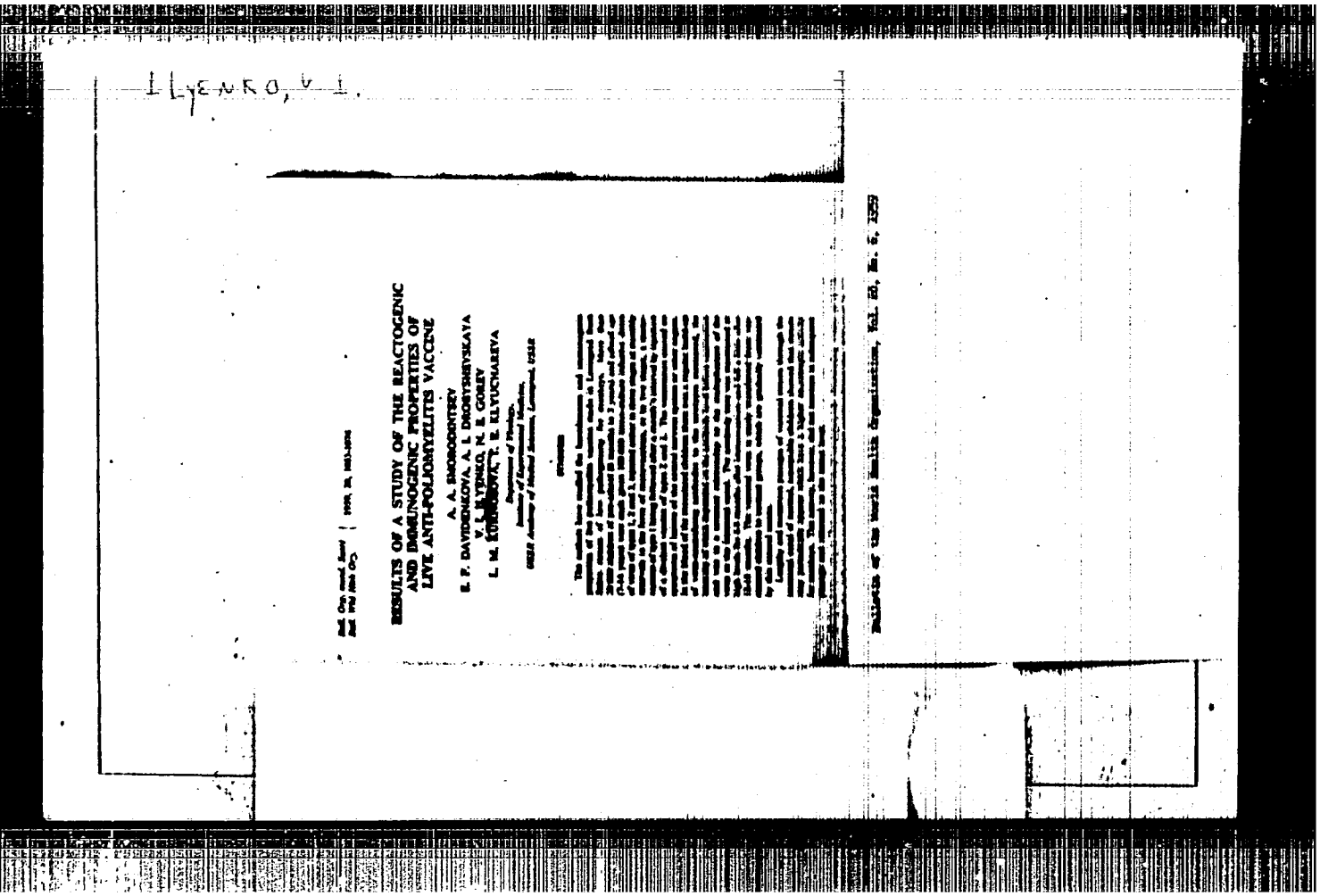
Dept Pharmacology & Dept. Virusology
Inst. Epidl. Med AMS, USSR

Card 1/3

DAVIDENKOVA, Ye.F.; IL'YENKO, V.I.; SAVEL'YEVA-VASIL'YEVA, Ye.A.

Data on Coxsackie virus diseases. Zhur. nevr. i psikh 59 no.3: 280-287 '59. (MIRA 12:4)

1. Klinika nervnykh bolezney Leningradskogo pediatricheskogo meditsinskogo instituta iotdel virusologii Instituta eksperimental'noy meditsiny.
(COXSACKIE VIRUS, infections, in child. (Rus))



ILYENKO, V. I.

RESULTS OF A STUDY OF THE REACTOGENIC AND IMMUNOGENIC PROPERTIES OF LIVE ANTI-POLIOMYELITIS VACCINE

A. A. SMORODINTSEV
E. F. DAVIDENKOVA, A. I. DROBYSHEVSKAYA
V. I. ILYENKO, N. E. GOREV
L. M. KUNDASOVA, T. E. ELYUCHAREVA

Bulletin of the World Health Organization, Vol. 25, No. 5, 1961

ILYENKO, V.I.

A contribution to the methods of producing a tissue culture formolized vaccine against tick-borne encephalitis. Acta virol. Engl. Ed., Praha 4 no.1:37-46 Ja '60

1. Department of Virology, Institute of Experimental Medicine U.S.S.R. Academy of Medical Sciences, Leningrad.
(ENCEPHALITIS EPIDEMIC immunology)
(TISSUE CULTURE)

ILYENKO, V.I.;POKROVSKAYA, O.A.

Characteristics of the course of experimental infection in monkeys inoculated with tick-borne and bi-phasic encephalitis and louping III viruses. Acta virol. Engl. Ed., Praha 4 no.2:75-81 Mr '60.

1. Department of Virology, Institute of Experimental Medicine, U.S.S.R. Academy of Medical Sciences, and Nervous Diseases Clinics, State Institute for Post-Graduate Training of Physicians, Leningrad.
(ENCEPHALITIS EPIDEMIC exper.)

11 YEARS V. 1

Immunological and Epidemiological Effectiveness of Live Poliomyelitis Vaccine in the USSR*

A. A. SMORODINTSEV, A. I. DROZDOVSKAYA, N. P. BUSLOVICH, G. K. CHALKINA, G. M. GRODNAN, V. I. KUZNETSOV, R. A. RANTSEVICH, L. K. SUKHOVA, K. G. VASILYEV, V. I. VOTYAKOV, A. G. P. ZHILOVA

Bulletin of the World Health Organization, Vol. 23, No. 6, 1960.

*From the Virus Department, Inst. of Experimental Medicine, USSR Acad. Med. Sci.

IL'YENKO, V.I.

Fate of biundulant meningoencephalitis virus in the tick body as influenced by the feeding of the vector on immune animals. Vop. virus. 6 no.5:521-525 S-O '60. (MIRA 14:7)

1. Otdel virusologii Instituta eksperimental'noy meditsiny AMN SSSR, Leningrad.

(ENCEPHALITIS)

IL'YENKO, V.I.; KOVALEVA, G.A.

On conditioned reflex regulation of immunological reactions. Zhur. mikrobiol. epid. i immun. 31 no.7:108-113 Jl '60. (MIRA 13:9)

1. Iz Instituta eksperimental'noy meditsiny AMN SSSR.
(CONDITIONED RESPONSE) (VACCINATION)
(ESCHERICHIA COLI) (INFLUENZA)

ILYENKO, V. I., POKROVSKAYA, O. A., Leningrad:

"Clinical picture in M. rhesus monkeys infected with various strains of tick-borne encephalitis virus. (With film projection.)"

report submitted for the Symposium on the Biology of Viruses of Tick Borne Encephalitis Complex, Smolenice Czechoslovakia, 11-14 Oct 60.

Inst. of Experimental Medicine, USSR, Academy of Medical Sciences, Leningrad, USSR.

ILYENKO, V. I., SMORODINTSEV, A. A., Leningrad:

"Problems of vaccination against tick-borne encephalitis. (Introductor lecture.)"

SMORODINTSEV, A.A.; DROBYSHEVSKAYA, A.I.; BULYCHEV, N.P.; VASIL'YEV, K.G.; VOTYAKOV, V.I.; GROYSMAN, G.M.; ZHILOVA, G.P.; IL'INSKO, V.I.; KANTOROVICH, R.A.; KURNOSOVA, L.M.; CHALKINA, O.M.

Material on the immunological and epidemiological effectiveness of live poliomyelitis vaccine. Vest. AMN SSSR 15 no.6:45-58 '60. (MIRA 14:4)

1. Otdel virusologii Instituta eksperimental'noy meditsiny AMN SSSR.
(POLIOMYELITIS)

IL'YENKO, V.I.

Method of preparing the reaction of hemagglutination inhibition with the tickborne encephalitis virus. Vop. virus 6 no.4:495-499 Jl-Ag '61. (MIRA 14:11)

1. Otdel virusologii Instituta eksperimental'noy meditsiny AMN SSSR, Leningrad.
(ENCEPHALITIS) (BLOOD--AGGLUTINATION)

IL'YENKO, V.I.; POKROVSKAYA, O.A.

Materials on the differentiation of viruses of the tick-borne encephalitis group. Och.klin.nevr. no.1:183-194 '62. (MIRA 15:9)
(ENCEPHALITUS VIRUSES)

ILYENKO, V. I.

Preparation of a vaccine against tick-borne encephalitis from brains of newborn mice and rats. Acta virol. (Praha)[Eng]6 no.2:187 Mr '62.

1. Dept. of Virology, Institute of Experimental Medicine, U.S.S.R. Academy of Medical Sciences, Leningrad.

(ENCEPHALITIS EPIDEMIC immunol) (VACCINES)

ILYENKO, V.I.; MIRZOYEVA, N.; DANIYAROV, O.; AMINOVA, M.G.; DAVIDENKO, Z.B.; SMORODINTSEV, A.A.

Experiences with serological research on transmissible infections in the southern republics of the U.S.S.R. J. hyg. epidem. (Praha) 8 no.2:229-236 '64.

1. Institute of Experimental Medicine, Academy of Medical Sciences of the U.S.S.R., Virology Department; Institute of Epidemiology, Microbiology and Hygiene, Baku; Institute of Epidemiology and Microbiology, Frunze; Institute of Epidemiology and Microbiology, Dushambe.

L 39089-66 EWT(m)/EWP(j)/EWP(t)/ETI IJP(c) RM/JD/JW/JG

ACC NR: AP6022877 (N) SOURCE CODE: UR/0186/66/008/002/0189/0197

37
B

AUTHOR: Nikol'skiy, B. P.; Il'yenko, Ye. I.

ORG: none

TITLE: Study of the hydrolysis of nitrate complexes of nitrosoruthenium

SOURCE: Radiokhimiya, v. 8, no. 2, 1966, 189-197

TOPIC TAGS: ruthenium compound, organic nitroso compound, hydrolysis

ABSTRACT: The hydrolysis of nitrate complexes of nitrosoruthenium was studied in the 1-11 pH range by potentiometric titration. The Ru^{106} radioisotope was used for the radiometric analysis of ruthenium. The hydrolysis was found to take place in two steps. The first (fast) step forms new Ru species corresponding to new conditions in the medium and is associated with a sharp change of the pH. The second (slow) step involves the polymerization of those Ru species which were formed by the first step. The redistribution and formation of new Ru species in the second step occur to a much lesser degree than in the first. Hydrolysis at both room temperature and higher temperatures forms products of similar composition, the difference lying chiefly in the degree of polymerization, and hence in the solubility of the products; the composition of the basic units from which the polymers are built is the same in both cases at the same pH values. No hydrolytic precipitates are formed at room temperature, but at the

Card 1/2 UDC: 546.96'172.6'175:542.938

water bath temperature, nitrosoruthenium precipitates out. The composition of the hydrolytic precipitate varies with the pH and the time; the pH determines the composition of the polymer units, and the time determines the degree of polymerization. Cationic and anionic forms of nitrosoruthenium complexes were found to exist in the 2-6 pH range. A diagram of the formation of hydrolytic forms of nitrate complexes of nitrosoruthenium is shown in Fig. 1. Orig. art. has: 9 figures.

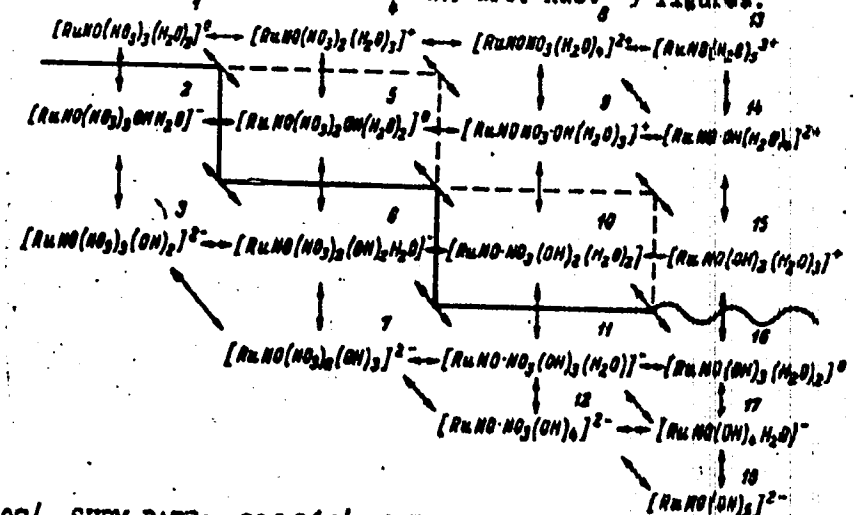


Fig. 1.

SUB CODE: 07/ SUBM DATE: 20Jul65/ ORIG REF: 007/ OTHER REF: 006

5(2); 21(5) PHASE I BOOK EXPLOITATION SOV/1900

Akademiya nauk SSSR. Komissiya po analiticheskoy khimii

Primeneniye radioaktivnykh izotopov v analiticheskoy khimii (Use of Radioactive Isotopes in Analytical Chemistry) Moscow, Izd-vo AN SSSR, 1958. 366 p. [Series: Its: Trudy, t. 9 (12)] Errata slip inserted. 3,000 copies printed.

Resp. Ed.: I.P. Alimarin, Corresponding Member, USSR Academy of Sciences; Ed. of Publishing House: A.N. Yermakov; Tech. Ed.: T.V. Polyakova.

PURPOSE: The book is intended for chemists and chemical engineers concerned with work in analytical chemistry.

COVERAGE: The book is a collection of the principal papers presented in Moscow at the Second Conference on the Use of Radioactive Isotopes. The problems discussed at the Conference included coprecipitation, aging, and solubility of precipitates, determination of the instability constants

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of complex compounds, separation of rare earth metals, and ion-exchange chromatography. No personalities are mentioned. There are 351 references, 175 of which are Soviet, 33 German, 19 French, 8 Swedish, 2 Hungarian, and 2 Czech.

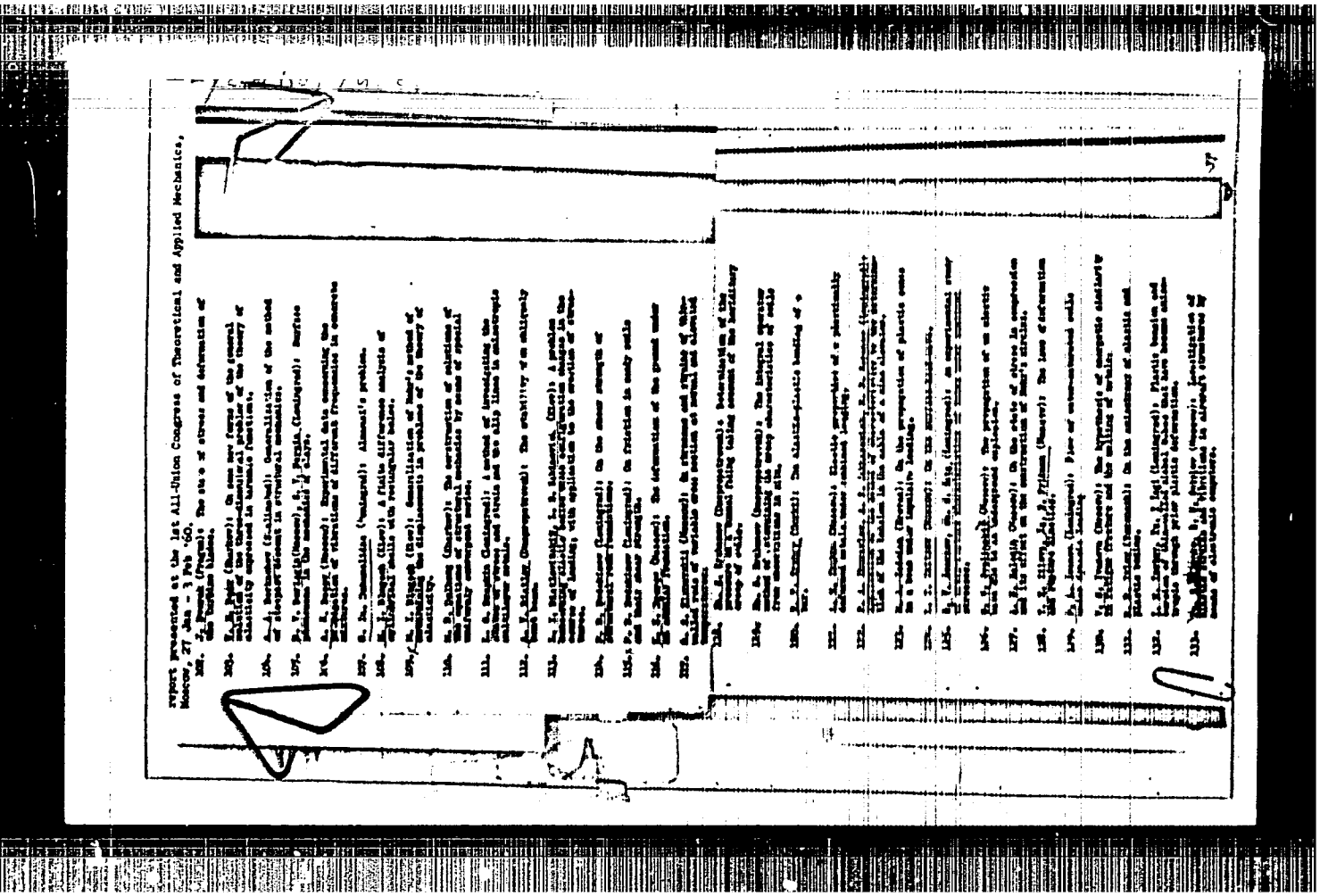
TABLE OF CONTENTS:

Use of Radioactive Isotopes (Cont.) SOV/1900

Card 5/10

IL'YENKO, Ye.I.; NIKO'SKIY, B.P.; TROFIMOV, A.M.

Adsorption of ruthenium from aqueous solutions by ion-exchanging resins. Trudy kom.anal.khim. 9:148-160 '58. (MIRA 11:11)
(Ion exchange) (Ruthenium) (Adsorption)



IL'YENKO-PETROVSKAYA, T.P., dots.

Microflora of the inner tissues of potato tubers. Nauch. trudy Samark. inst. sov. torg. 8:207-209 '57. (MIRA 12:7)
(Bacillus mesentericus) (Bacillus subtilis) (Potatoes)

IL'YENKO-PETROVSKAYA, T.P.

Free amino acids in milk following kefir fermentation.
Prikl. biokhim. i mikrobiol. 1 no.2:246-247 Mr-Ap '65.
(MIRA 18:11)

1. Institut sovetskoy torgovli imeni F.Engel'sa, Leningrad.

IL'YENKOV, A.I.; KLISTORIN, I.F.; SOBOLEV, V.S.; SHALINA, L.V., red.; VYALYKH, A.M., tekhn. red.

[Transistor voltage regulators] Poluprovodnikovye stabilizatory napriazheniia. Novosibirsk, Izd-vo sibirskogo otd-niia AN SSSR, 1962. 51 p. (MIRA 16:7)
(Voltage regulators)

24 7700

S/200/62/000/011/006/008
D234/D308

AUTHOR: Il'yenkov, A. I.

TITLE: Accumulation of non-basic carriers in semiconductor diodes

PERIODICAL: Akademiya nauk SSSR. Sibirskoye otdeleniye. Izvestiya, no. 11, 1962, 130-134

TEXT: The author takes into account the duration of the front of forward current pulse. The transition from p- to n-domain is assumed to be plane and sharp. The equilibrium concentration of holes in the base p_{n0} is neglected. The current pulse has a linearly increasing front. The problem is solved by the method of superposition, using 2-dimensional Laplace-Carson transformation. The solution is

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$$p(X, T_0, T_1) = \frac{p_0}{2T_0}\left[\left(T_1 - \frac{X+1}{2}\right)e^{-X}\operatorname{erfc}\left(\frac{X}{2\sqrt{T_1}} - \sqrt{T_1}\right) - \right.$$

$$\left. - \left(T_1 + \frac{X-1}{2}\right)e^{X}\operatorname{erfc}\left(\frac{X}{2\sqrt{T_1}} + \sqrt{T_1}\right) + 2\sqrt{\frac{T_1}{\pi}}\, e^{-\frac{X^2}{4T_1} - T_1}\right] -$$

$$- \frac{p_0}{2T_0}\left[\left(T_2 - \frac{X+1}{2}\right)e^{-X}\operatorname{erfc}\left(\frac{X}{2\sqrt{T_2}} - \sqrt{T_2}\right) - \right.$$

Card 2/4

$$-\left(T_2+\frac{X-1}{2}\right)e^{X}\operatorname{erfc}\left(\frac{X}{2\sqrt{T_2}}+\sqrt{T_2}\right)+2\sqrt{\frac{T_2}{\pi}}\,e^{-\frac{X^2}{4T_2}-T_2}\Bigg] \qquad (11)$$

If p_{n0} is not neglected and assumed to be independent of X, the solution differs from (11) by p_{n0} added to the right-hand side.

Conclusions: The front of the pulse can be disregarded if the duration of the pulse peak exceeds $2\tau_p$, or if $T_1 < 1$ and $T_0/T_1 \leqslant 0.2$ If $T_0 > 3$ the accumulation of charge in the base practically follows the current increase. An expression for the voltage in the p-n junction is derived. There are 2 figures.

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Accumulation of non-basic ...

S/200/62/000/011/006/008
D234/D308

ASSOCIATION: Institut avtomatiki i elektrometrii Sibirskogo otdeleniya AN SSSR, Novosibirsk (Institute of Automation and Electrometry, Siberian Branch of the AS USSR, Novosibirsk)

SUBMITTED: April 17, 1962

Card 4/4

IL'YENKOV, A.I.

Accumulation of minority carriers in semiconductor diodes.
Izv. Sib. otd. AN SSSR no. 11:130-134 '62. (MIRA 17:9)

1. Institut avtomatiki i elektrometrii Sibirskogo otdeleniya AN SSSR, Novosibirsk.

IL'YENKOV, A.I.

Nomographs for calculating voltage regulators having stabilising tubes. Izm.tekh. no.5:38-40 My '63. (MIRA 16:10)

IL'YENKOV, A.I.

Comments on S.A.Eremin and M.I.Shchevelev's brief article "Device for measuring pulse characteristics of semiconductor diodes." Izv.vys.ucheb.zav.; prib. 7 no.6:121-122 '64.

(MIRA 18:2)

L 10266-63
ACCESSION NR: AP3000565 S/0109/63/008/005/0830/0833

44

AUTHOR: Il'yenkov, A. I.

TITLE: Transients during the sudden reversal of a semiconductor diode

SOURCE: Radiotekhnika i elektronika, v. 8, no. 5, 1963, 830-833

TOPIC TAGS: semiconductor diodes, transients in semiconductor diodes

ABSTRACT: Hitherto available approximate solutions for transients in semiconductor diodes have described either the initial or the final stage of the transient. The article deals with a general solution describing the entire transient occurring in a junction-type diode upon passage of a forward-current finite-duration pulse. Assuming that the p-region conductivity greatly exceeds that of the n-region, that the junction between p- and n-region is abrupt, and that the minority-carrier injection level is low, the problem is mathematically analyzed for both the unlimited and the limited reverse-current cases. It is claimed that earlier solutions contained a "considerable error" in the reverse-current curve and that the new formulas are in good agreement with experimental data for germanium diodes with a rather broad base and a low p-n junction capacitance: the leading-edge pulse time is 30-50 times shorter than the effective life of minority carriers. "I am using

Card 1/2

L 10266-63
ACCESSION NR: AP3000565

this opportunity to express my sincere thanks to F. A. Zhurnavel' who carried out a great many calculations in plotting the graphs." Orig. art. has: 13 equations and 2 figures.

ASSOCIATION: none

SUBMITTED: 03May62 DATE ACQD: 30May63 ENCL: 00

SUB CODE: CO NO REF SOV: 006 OTHER: 002

ja/ah
Card 2/2

L 10244-63

ACCESSION NR: AP3001000 S/0109/63/008/006/1019/1023

AUTHOR: Il'yenkov, A. I.

TITLE: Transients in semiconductor diodes with an allowance for switching-pulse front

SOURCE: Radiotekhnika i elektronika, v. 8, no. 6, 1963, 1019-1023

TOPIC TAGS: switching transients, DGTs-27 semiconductor diode

ABSTRACT: Transients in a semiconductor junction diode when the current is reversed by a switching pulse are described by the methods of operational calculus. A theoretical linear pulse front is considered. It is assumed that the current is realized by the holes injected from the p-region whose conductivity considerably exceeds that of the n-region. Thickness of the depletion layer and its capacitance are neglected. The resulting formula allows more accurate determination of minority-carrier life. Calculated reverse-current characteristics are compared with those of the DGTs-27 diode taken experimentally. Orig. art. has: 3 figures and 13 formulas.

ASSOCIATION: none

Card 1/2

ACCESSION NR: AP4017393 S/0185/64/009/002/0139/0149

AUTHOR: Il'yenkov, A.L.; Tkhory*k, Yu. O.

TITLE: Measurement of short lifetimes of current carriers in semiconductor devices by the pulse method

SOURCE: Ukrayins'ky*y fizy*chny*y zhurnal, v. 9, no. 2, 1964, 139-149

TOPIC TAGS: semiconductor, semiconductor lifetime, pulse method, current carrier effective lifetime, diode, transistor

ABSTRACT: The effective lifetime τ_e of the minority carriers in the base region of a semiconductor device is the most important parameter which determines the frequency characteristics and the transient response of the device. Many methods for measuring τ_e in diodes have been proposed but the most practical and direct method is based on the investigation of the transient process which arises during diode switching. For values of $\tau_e \simeq 10^{-7}$ sec, the measurements can be performed on an oscilloscope. When a p-n diode is switched from forward to reverse, the reverse current is established in two stages t_{lim} or phase of constant reverse current (when the diode resistance is small compared to the external circuit resistance) and the phase of current decay (which begins when the minority carrier concentration near the p-n junction goes to zero). The forward current pulse length t_i, its magnitude I_f, as well as the magnitude of the reverse current

Card 1/4

I_r which flows during t_{lim}, are related to γ_e by the formula:

$$\operatorname{erf}\sqrt{\frac{t_{lim}}{\gamma_e}} = \frac{1}{B_0 + 1} \operatorname{erf}\sqrt{\frac{t_i + t_{lim}}{\gamma_e}} \qquad (1)$$

where $B_0 = \frac{Iv}{If}$ and $B_0 \geq 0.5$.

Equation (1) is valid when the base region is much longer than the diffusion length of the minority carriers and when the switching pulse has zero rise time. When the finite rise time in the leading edge of the switching pulse is taken into account the use of equation (1) may lead to serious errors. For a planar p-n junction diode switched by a trapezoidal pulse, when the forward and reverse resistances in the external circuit may be unequal (Fig. 1 of the Enclosure), the following formula is derived, which gives the desired minority lifetime γ in terms of measurable parameters:

ACCESSION NR: AP4017393

$$1 = \frac{2(a+b+c)-1}{2a}\operatorname{erf}\sqrt{a+b+c} + \frac{\sqrt{a+b+c}}{a\sqrt{\pi}}e^{-(a+b+c)} + \frac{aB_0-b}{b}\left[\frac{2(b+c)-1}{2a}\operatorname{erf}\sqrt{b+c} + \frac{\sqrt{b+c}}{a\sqrt{\pi}}e^{-(b+c)}\right] - \frac{B_0}{b}\left(\frac{2c-1}{2}\operatorname{erf}\sqrt{c} + \frac{\sqrt{c}}{\sqrt{\pi}}e^{-c}\right). \quad (2)$$

where $a = \frac{t_f}{\tau}$, $b = \frac{t_r}{\tau}$, $c = \frac{t_e}{\tau}$, and the intervals t_f, t_p and t_r are defined in Fig. 2 of the Enclosure. Equation (2) can be simplified considerably if the constant reverse current interval, t_{lim}, is shorter than the duration of the leading edge of the switching pulse (Fig. 2b). A general Laplace transform equation from which an expression analogous to Eq. (2) can be derived for any switching pulse shape, is also derived. The errors which can be encountered in calculation, when the finite duration of the leading edge of the trapezoidal pulse is neglected (as in Eq. 2), are summarized in Fig. 3 of the Enclosure. Some experimental data which support the conclusions reached in this paper are tabulated in the original. It is evident that for large B_0 values the values of τ_1 are too low. The

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ACCESSION NR: AP4017393

error $\frac{\gamma_e - \gamma_1}{\gamma_e}$ is systematic and ranges from 13.6-21.6% for $B_0 = 0.2$, from 7.2 to 17.7% for $B_0 = 0.459$ and from 22.2 to 42.4% for $B_0 = 1$. The accuracy in the estimate of γ_e is 6.6% and also $\gamma_2 < \gamma_e$ even though the error in γ_2 is smaller than in γ_1. "The authors thank E. M. Ly*tvy*noviy for construction of the diodes." Orig. art. has: 3 figures, 1 table and 31 formulas.

ASSOCIATION: Insty*tut avtomaty*ky* ta elektrometriyi, SV AN SSSr, Novosibirsk (Institute of Automation and Electric Measurement); Insty*tut napivprovidny*kiv AN URSR, Kiev (Semiconductor Institute)

SUBMITTED: 05Aug63 DATE ACQ: 19Mar64 ENCL: 03

SUB CODE: PH NO REF SOV: 014 OTHER: 004

Card 4/4

Il'yenkov, A.I.; ZHURAVEL', F.A.; RAKITYANSKIY, D.F.

Device for the automatic check of the parameter stability of semiconductor devices. Trudy Inst. avtom. i elektrometr. SO AN SSSR no.9:88-93 '64. (MIRA 17:11)

L 3374-66 EWT(1)/EWA(h) GS

ACCESSION NR: AT5020461 UR/0000/64/000/000/0344/0361

AUTHOR: Il'yenkov, A. I. 25

TITLE: The effect of pulse shape on transients in semiconductor diodes

SOURCE: Mezhvuzovskaya nauchno-tekhnicheskaya konferentsiya po fizike poluprovodnikov (poverkhnostnyye i kontaktnyye yavleniya). Tomsk, 1962. Poverkhnostnyye i kontaktnyye yavleniya v poluprovodnikakh (Surface and contact phenomena in semiconductors). Tomsk, Izd-vo Tomskogo univ., 1964, 344-361

TOPIC TAGS: pulse shape, semiconductor, diode, transient flow, pn junction

ABSTRACT: Transients in junction diodes under the influence of square pulses and pulses with linear and exponential fronts are examined, and expressions describing various transient responses are obtained by the operational method. The purpose of the work was to determine the effect of a pulse front on the nature of transients in junction diodes. A one-dimensional model of a junction diode with a semi-infinite n-type base region is examined, without taking into account the capacitance of the p-n junction. The charge accumulation in a forward-current pulse with a linear front is shown in Fig. 1 on the Enclosure. The distribution

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of injected holes in the base of a diode for forward-current pulses of various durations with exponential fronts is shown in Fig. 2 on the Enclosure. Expressions are derived for determining the effective lifetime of minority carriers, for example

$$A\operatorname{erf}\sqrt{T_{cl}}+k\operatorname{erf}\sqrt{T_b+T_{cl}}-A\frac{e^{-aT_{cl}}}{\sqrt{1-a}}\operatorname{erf}\sqrt{T_{cl}(1-a)}+(k-1)\frac{e^{-aT_{cl}}}{\sqrt{1-a}}\operatorname{erf}\sqrt{(T_f+T_{cl})(1-a)}=I_s,$$

where T_{cl} is the clipping time; T_b the cutoff time, and T_f the forward-current time. Orig. art. has: 9 graphs, 1 diagram, and 52 formulas.

ASSOCIATION: none

SUBMITTED: 06Oct64 ENCL: 02 SUB CODE: EC

NO REF SOV: 008 OTHER: 005

Card 2/4

L 3374-66

ACCESSION NR: AT5020481

ENCLOSURE: 01 0

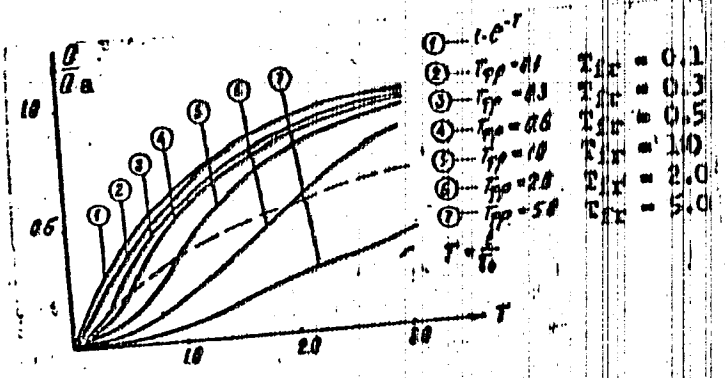

Fig. 1. Charge accumulation in forward-current pulse with linear front. Dotted line joins points corresponding to end of front.

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L 3374-66
ACCESSION NR: AT5020481

ENCLOSURE: 02

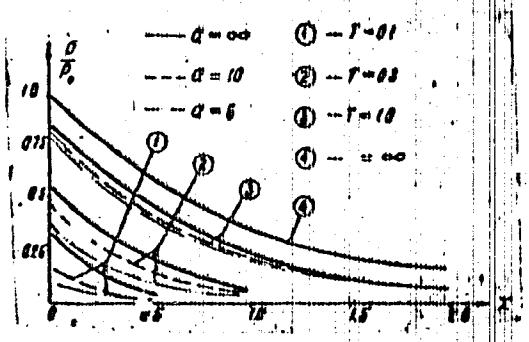


Fig. 2. Distribution of injected-hole concentration in base of diode for forward-current pulses of various durations with exponential fronts

Card 4/4 pd

L 39539-66 EWT(l)/EWA(h) IP

ACC NR: AP6007536 SOURCE CODE: UR/0410/65/000/006/0005/0018

AUTHOR: Il'yenkov, A. I. (Novosibirsk); Tsapenko, M. P. (Doctor of technical sciences, Novosibirsk)

ORG: none

TITLE: Measuring equipment and microminiaturization

SOURCE: Avtometriya, no. 6, 1965, 5-18

TOPIC TAGS: electric measuring instrument, circuit microminiaturization

ABSTRACT: Based on 1956-65 Soviet and a few 1959-65 Western sources, this review covers the following points: Packing density of components, thin-film circuits, and functional units; Methods of microminiaturization of measuring instruments (module structures, micromodules, thin-film circuits, integral units, prospects); Principal characteristics of microminiature elements (resistor tolerances, capacitor tolerances, thin-film transistor, cryotron characteristics, cryosar, cryosistor, photoconducting layers, chemotron, miniature power supplies); Specific measuring elements (thin-film strain gages, electrochemical pressure sensors, Hall sensors, semiconductor photocells, microthermoresistors, SHF and IR receivers); Presumed advantages of microminiaturization of measuring equipment (smaller size and weight, higher reliability, lower cost, information processing). Orig. art. has: 2 figures and 1 table.

SUB CODE: 09 / SUBM DATE: 07Aug65 / ORIG REF: 016 / OTH REF: 008

Card 1/1 vmb UDC: 681.20

L 18806-66
ACC NR: AP6007540 SOURCE CODE: UR/0410/65/000/006/0045/0051

AUTHOR: Il'yenkov, A. I.(Novosibirsk)

ORG: none

TITLE: Prospects in designing measuring instruments with thin-film transistors

SOURCE: Avtometriya, no. 6, 1965, 45-51

TOPIC TAGS: thin film transistor, measuring instrument

ABSTRACT: An elementary description of the thin-film transistor (TFT) operation is offered; principal characteristics of insulated-gate enriched-layer and depleted-layer TFT's are shown. High input resistance and low noise level of TFT's promise their successful use in measuring instruments in combination with conventional transistors. TFT's can also be used in logical circuits. The article is, in fact, a short review based on ten well-known American 1962-64 papers. Orig. art. has: 5 figures.
[03]

SUB CODE: 09/SUBM DATE: 30Jul65 / OTH REF: 010/ ATD PRESS: 4217

Card 1/1 UDC: 681.204621.382.32

L 39720-66 UR/0410/65/000/006/0019/0027

ACC NR: AP6007537

AUTHOR: Il'yenkov, A. I. (Novosibirsk); Kudryashov, M. I. (Novosibirsk)

ORG: none

TITLE: Possibility of improving measuring circuits by using thin-film resistors

SOURCE: Avtometriya, no. 6, 1965, 19-27

TOPIC TAGS: electric measurement, thin film circuit, resistor

ABSTRACT: Based on 1932-65 Soviet and 1963-65 Western published sources, this brief review covers the following points: Formation of thin films (vacuum vaporization, cathode spraying); Electric characteristics of thin-film resistors (volume resistivity of Pt, Au, Al, nichrome vs. thickness and thermal treatment; resistivity vs. backing temperature; temperature coefficient of resistance vs. Au, Pt, Rh, Ni film thickness; same , vs. Pt thermal treatment; same, of various alloys, vs. sheet resistivity; thin-film resistors are applicable for radio frequencies; aging characteristics); Tolerance of thin-film resistors is limited by their production techniques. Generally known advantages of thin-film are listed. Orig. art. has: 10 figures and 1 table.

SUB CODE: 09 / SUBM DATE: 23Jul65 / ORIG REF: 006 / OTH REF: 007

Card 1/1

UDC: 681.20+621.316.84

AUTHOR: Il'yenkov, D., and Danilov, Ye. 2-58-6-13/16

TITLE: To Improve Preparations for the Population Census in the Uzbek SSR (Uluchshit' podgotovku perepisi naseleniya v Uzbekskoy SSR)

PERIODICAL: Vestnik statistiki, 1958, Nr 6, pp 85-86 (USSR)

ABSTRACT: Members of the TsSU USSR Administration for the Population Census have gone to Uzbekistan to control the preparatory work for the forthcoming census. Local authorities have been advised to prepare maps of communities, villages and cities and lists of houses. The inspection team discovered many deficiencies and inaccuracies so that part of the preparatory work had to be done all over again.

Card 1/1

KRIVITSKIY, I.A.; IL'YENKOV, E.T.

Behavior of bank swallows during cold spells. Priroda 50 no.8:127 Ag '61. (MIRA 14:7)

1. Kurgal'dzhinskiy zapovednik (Tselinogradskaya obl.)
(Kurgal'dzhin region—Swallows) (Birds—Behavior)

USSR/Medicine - Tissue Aug 48
Medicine - Transplantation

"Krauze's Method in the Use of Preserved Tissues," S. I. Il'yenkov, Capt, Med Corps, Surg Dept, Nth Hosp, 3½ pp

"Khirurgiya" No 8

Favorable report on above method applied by author in 60 cases.

1A/49T50

USSR/Medicine - Otorhinolaryngology Mar/Apr 49
Medicine - Ozena

"The Problem of Treating Ozena," Capt S. I. Il'yenkov, Med Corps, 1 p

"Vest Oto-Rino-Laringol" Vol XI, No 2

Describes four successful treatments of ozena by injection of preserved periovular membranes. Method was discovered accidentally in treatment of nonhealing cuts and sores.

[redacted] 42/49T69

ILIYENKOV, S. I.

Penicillin - Therapeutic Use

Penicillin-novocaine infiltration of appendiceal wound, Sov. med. 16, No. 5, 1952.

Monthly List of Russian Accessions, Library of Congress, October 1952. Unclassified.

IL'IENKOV, S.I.

Surgical technic in closed perforated gastric and duodenal ulcers. Khirurgiia, Moskva no. 2:81-82 Feb 1953. (CIML 24:2)

1. Ostrov.

IL'YENKOV, S.I.

Intramedullary metallic osteosynthesis in clavicle fracture [with summary in English]. Vest.khir. 80 no.6:17-20 Je '58 (MIRA 11:7)

1. Iz kafedry voyenno-polevoy khirurgii (nach. - prof. A.N. Berkutov) Voyenno-meditsinskoy ordena Lenina akademii im. S.M. Kirova. Adres avtora: Leningrad, 9, Pirogovskaya nab., 3, klinika voyenno-polevoy khirurgii.

(CLAVICLE, fract.
intramedullary metallic osteosynthesis (Rus))

IL'YENKOV, S.I.

Treatment of humeral fractures using an intramedullar metal nail [with summary in English]. Vest.khir. 81 no.10:75-80 O '58 (MIRA 11:11)

1. Iz kliniki voyenno-polevoy khirurgii (nach. - prof. A.N. Berkutov) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova. Adres avtora: Leningrad, Pirogovskaya naberezhnaya, d.3, klinika voyenno-polevoy khirurgii.
(HUMERUS, fract.
intramedullary nailing (Rus))

IL'YENKOV, S.I.

Medullary nailing in bilateral fracture of the clavicle. Ortop. travm. i protez. 20 no.1:73-74 Ja '59. (MIRA 12:3)

1. Iz kliniki voyenno-polevoy khirurgii (nach. - prof. A.N. Berkutov) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova.
(CLAVICLE, fract.
bilateral, intraosseous metallic osteosynthesis (Rus))

IL'YENKOV, S.I.; BARASHKOV, G.A.

Outpatient treatment of fractures of the phalanges and metacarpal bones of the hand by intramedullary fixation with a steel nail. Vest.khir. 83 no.7:73-82 Jl '59. (MIRA 12:11)

1. Adres avtorov: Leningrad, Pirogovskaya nab., 3, klinika voyenno-polevoy khirurgii.
(EXTREMITIES, UPPER--FRACTURE)

IL'YENKOV, S.I.

Intraosseous osteosynthesis with an intramedullary nail in fractures of the forearm. Khirurgiia 35 no. 5:59-65 My '60. (MIRA 13:10)

1. Iz Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova.
(ARM--FRACTURE)

IL'YENKOV, S.I.

Treatment of fractures of the metacarpal bones by intraosseous fixation with a metal nail. Ortop. travm. i protez. 21 no. 10:24-26 '60. (MIRA 14:1)

(HAND—FRACTURE) (INTERNAL FIXATION IN FRACTURES)

BERKUTOV, A.N., prof.; IL'YENKOV, S.I., kand.med.nauk

Use of metallic osteosynthesis in multiple (associated) fractures of the bones of the upper extremities. Ortop., travm.i protez. no.7:10-14 '61. (MIRA 14:8)

1. Iz kafedry voyenno-polevoy khirurgii (nach. - prof. A.N. Berkutov) Voyenno-meditsinskoy ordena Lenina akademii im. S.M. Kirova.
(INTERNAL FIXATION IN FRACTURES)
(EXTREMITIES, UPPER--FRACTURE)

BERKUTOV, A.N., prof.; IL'YENKOV, S.I.

Treatment of fractures of the olecranon by means of intraosseous fixation with a steel nail. Khirurgiia no.9:21-23 '61. (MIRA 15:5)

1. Iz kafedry voyenno-polevoy khirurgii (nach. - prof. A.N. Berkutov) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova.

(ELBOW--FRACTURE)

IL'YENKOV, S.I.

Treatment of fractures of bones of the upper extremity by intramedullary nailing. Vest.khir. 86 no.2:57-61 '61. (MIRA 14:2)

1. Iz kliniki voyenno-polevoy khirurgii (nach. - prof. A.N. Berkutov) Voyenno-meditsinskoy ordena Lenina akademii im. S.M. Kirova.

(ARM--FRACTURE)

BERKUTOV, A.N., prof.; IL'YENKOV, S.I., kand.med.nauk

Errors and complications in the intramedullary osteosynthesis of fractures of bones of the upper extremity. Nov.khir.arkh. no.4:35-38 '62. (MIRA 15:5)

1. Klinika voyenno-polevoy khirurgii (nachal'nik - prof. A.N. Berkutov) Voyenno-meditsinskoy ordena Lenina akademii im. S.M. Kirova.
(INTERNAL FIXATION IN FRACTURES)
(EXTREMITIES, UPPER--FRACTURES)

BERKUTOV, A.N., prof.; IL'YENKOV, S.I., kand.med.nauk

Technique for intramedullary fixation of clavicle fractures with a steel pin. Klin.khir. no.12:30-33 D '62. (MIRA 16:2)

1. Klinika voyenno-polevoy khirurgii (nachal'nik - prof. A.N. Berkutov) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova.
(CLAVICLE—FRACTURE) (INTERNAL FIXATION IN FRACTURES)

BERKUTOV, A. N.; IL'YENKOV, S. I.

Late result of surgical treatment of sarcoma of the clavicle (one observation). Vop. onk. 8 no.4:80-83 '62. (MIRA 15:4)

1. Iz kliniki Voyenno-polevoy khirurgii (nach. - prof. A. N. Berkutov) Voyenno-meditsinskoy ordena Lenina akademii im. S. M. Kirova. Adres avtorov: Leningrad, Pirogovskaya nab., 3, klinika Voyenno-polevoy khirurgii Voyenno-meditsinskoy ordena Lenina akademii imeni S. M. Kirova.

(CLAVICLE--CANCER)

BERKUTOV, A. N., prof.; IL'YENKOV, S. I., kand. med. nauk

Use of metal osteosynthesis in treating open fractures of the bones of the upper extremity. Khirurgiia 38 no.5:81-85 My '62.

1. Iz kliniki voyenno-polevoy khirurgii (nach. - prof. A. N. Berkutov) Voyenno-meditsinskoy ordena Lenina akademii imeni S. M. Kirova.

(EXTREMITIES, UPPER--FRACTURES)
(INTERNAL FIXATION IN FRACTURES)

BERKUTOV, A.N., prof.; IL'YENKOV, S.I., kand. med. nauk

Metal osteosynthesis in complicated fractures of the humerus. Sov. Med. 26 no.9:128-130 S '62. (MIRA 17:4)

1. Iz kliniki voyenno-polevoy khirurgii (nachal'nik - prof. A.N. Berkutov) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova.

BERKUTOV, A.N., prof.; IL'YENKOV, S.I., kand. med. nauk

Treatment of clavicular fractures by the method of intraosseous fixation with a steel nail. Ort. travm. i protez. 23 no.10: 34-38 O '62. (MIRA 17:10)

1. Iz kliniki voyenno-polevoy khirurgii (nachal'nik - prof. A.N. Berkutov) Voyenno-meditsinskoy ordena Lenina akademii imeni Kirova. Adres avtorov: Leningrad, Pirogovskaya naberezhnaya, d.3. Klinika voyenno-polevoy khirurgii.

BARANOV, A.F., redaktor; BIZYUKIN, D.D., redaktor; VAKHNIN, M.I., otvetstvennyy redaktor toma, professor, doktor tekhnicheskikh nauk; VEDENISOV, B.N., redaktor; IVLIYEV, I.V., redaktor; MOSHCHUK, I.D., redaktor; RUDOY, Ye.F., glavnyy redaktor; SOKOLINSKIY, Ya.I., redaktor; SOKOGUBOV, V.N., redaktor; SHILEVSKIY, V.A., redaktor; ALFEROV, A.A., inzhener; AMASHKIN, B.T., inzhener; AFANAS'YEV, Ye.V., laureat Stalinskoy premii, inzhener; BELENKO, K.M., dotsent; BORISOV, D.P., dotsent, kandidat tekhnicheskikh nauk; ZHIL'TSOV, P.N., inzhener; ZRAR, N.R., inzhener; IL'YENKOV, V.I., dotsent, kandidat tekhnicheskikh nauk; KAZAKOV, A.A., kandidat tekhnicheskikh nauk; KRAYZMER, L.P., kandidat tekhnicheskikh nauk; KOTLYARENKO, N.F., dotsent, kandidat tekhnicheskikh nauk; MAYSHEV, P.V., professor, kandidat tekhnicheskikh nauk; MARKOV, M.V., inzhener; NELEPETS, V.S., dotsent, kandidat tekhnicheskikh nauk; NOVIKOV, V.A., dotsent; OKHOV, N.A., inzhener; PETROV, I.I., kandidat tekhnicheskikh nauk; PIVKO, D.M., inzhener; POGODIN, A.M., inzhener; RAMLAU, P.N., dotsent, kandidat tekhnicheskikh nauk; ROGINSKIY, V.N., kandidat tekhnicheskikh nauk; RYAZANTSEV, B.S., laureat Stalinskoy premii, dotsent, kandidat tekhnicheskikh nauk; SNARSKIY, A.A., inzhener; FEL'DMAN, A.B., inzhener; SHASTIN, V.A., laureat Stalinskoy premii, inzhener; SHUR, B.I., inzhener; GONCHUKOV, V.I., inzhener, retsenzent; NOVIKOV, V.A., dotsent, retsenzent; AFANAS'YEV, Ye.V., laureat Stalinskoy premii, retsenzent;

[Technical handbook for railroad men] Tekhnicheskii spravochnik zheleznodorozhnika. Vol. 8. [Signaling, central control, block system, and communication] Signalizatsiia, tsentralizatsiia, blokirovka, sviaz'. Red. kollegiia A.F.Baranov [i dr.] Glav.red. E.F.Rudoi. Moskva, Gos. transp. zhel-dor. izd-vo, 1952. 975 p. (Continued on next card)

BRYLEYEV, A.M., laureat Stalinskoy premii, inzhener; GAMBURG, Ye.Yu., inzhener, retsenzent; GOLOVKIN, M.K., inzhener, retsenzent; KAZAKOV, A.A., kandidat tekhnicheskikh nauk, retsenzent; KUT'IN, I.M., dotsent, kandidat tekhnicheskikh nauk, retsenzent; LEONOV, A.A., inzhener, retsenzent; SEMENOV, N.M., laureat Stalinskoy premii, inzhener, retsenzent; CHEBYSHEV, V.B., inzhener, retsenzent; VALUYEV, G.A., inzhener, retsenzent; METTAS, N.A., laureat Stalinskoy premii, inzhener, retsenzent; NOVIKOV, V.A., dotsent, retsenzent; PIVOVAROV, A.L., inzhener, retsenzent; POGODIN, A.M., inzhener, retsenzent; KHODOROV, L.R., inzhener, retsenzent; PIVOVAROV, A.L., inzhener, retsenzent; POGODIN, A.M., inzhener, retsenzent; KHODOROV, L.R., inzhener, retsenzent; SHUPLOV, V.I., kandidat tekhnicheskikh nauk, retsenzent; KLYKOV, A.F., inzhener, retsenzent; YUDZON, D.M., tekhnicheskiy redaktor; VERINA, G.P., tekhnicheskiy redaktor.

[Technical handbook for railroad men] Tekhnicheskii spravochnik zheleznodorozhnika. Vol. 8. [Signaling, central control, block system, and communication] Signalizatsiia, tsentralizatsiia, blokirovka, sviaz'. Red. kollegiia A.F.Baranov [i dr.] Glav.red. E.F.Rudoi. Moskva, Gos. transp. shel-dor. izd-vo, 1952. 975 p. (Card 2) (MLRA 8:2)
(Railroads--Signaling) (Railroads--Communication systems)

Ильичев, Виктор Иванович

VAKHNIN, Mikhail Ivanovich; VLODAVSKIY, Moisey Il'ich; IL'YICHEV, Viktor Ivanovich; KOTLYARENKO, Nikolay Fedorovich; MAYSHEV, Petr Vladimirovich; BRYLEYEV, A.M., doktor tekhn.nauk, retsenzent; RAKITO, M.I., redaktor; CHERKASOV, N.M., redaktor; VERINA, G.P., tekhnicheskiy redaktor.

[Automatic control and telemechanics for railroad lines] Avtomatika i telemekhanika na peregonakh] Avtomatika i telemekhanika na peregonakh. Pod obshchei red. M.I.Vakhnina. Moskva, Gos.transp.zhel-dor.izd-vo, 1957. 435 p. (MIRA 10:12)

(Railroads--Signaling--Block system)

BAUMAN, Vladimir Eduardovich; IL'YENKOV, Viktor Ivanovich, dotsent, kand. tekhn.nauk; YANKIN, Petr Maksimovich; MARENKOVA, G.I., insh., red.; BOBROVA, Ye.N., tekhn.red.

[Operating characteristics in the design of automatic control and telemechanics systems for railroads] Ekspluatatsionnye osnovy proektirovaniia ustroistv zheleznodorozhnoi avtomatiki i telemekhaniki. Pod obshchei red. V.I.Il'enkova. Moskva, Vses.izdatel'sko-poligr.ob"edinenie M-va putei soobshcheniia, 1960. 168 p. (MIRA 13:5)

(Railroads--Signaling)

MAYSHEV, P.V., prof.; IL'YENKOV, V.I., dotsent; MANOSHIN, N.K., inzh.; TSETSURA, I.A., inzh.

"Electric rail networks" by N.F.Kotliarenko. Reviewed by P.V.Mailshev and others. Avtom., telem. i sviaz' 6 no.3:47-48 Mr '62. (MIRA 15:3)

(Railroads--Signaling) (Kotliarenko, N.F.)

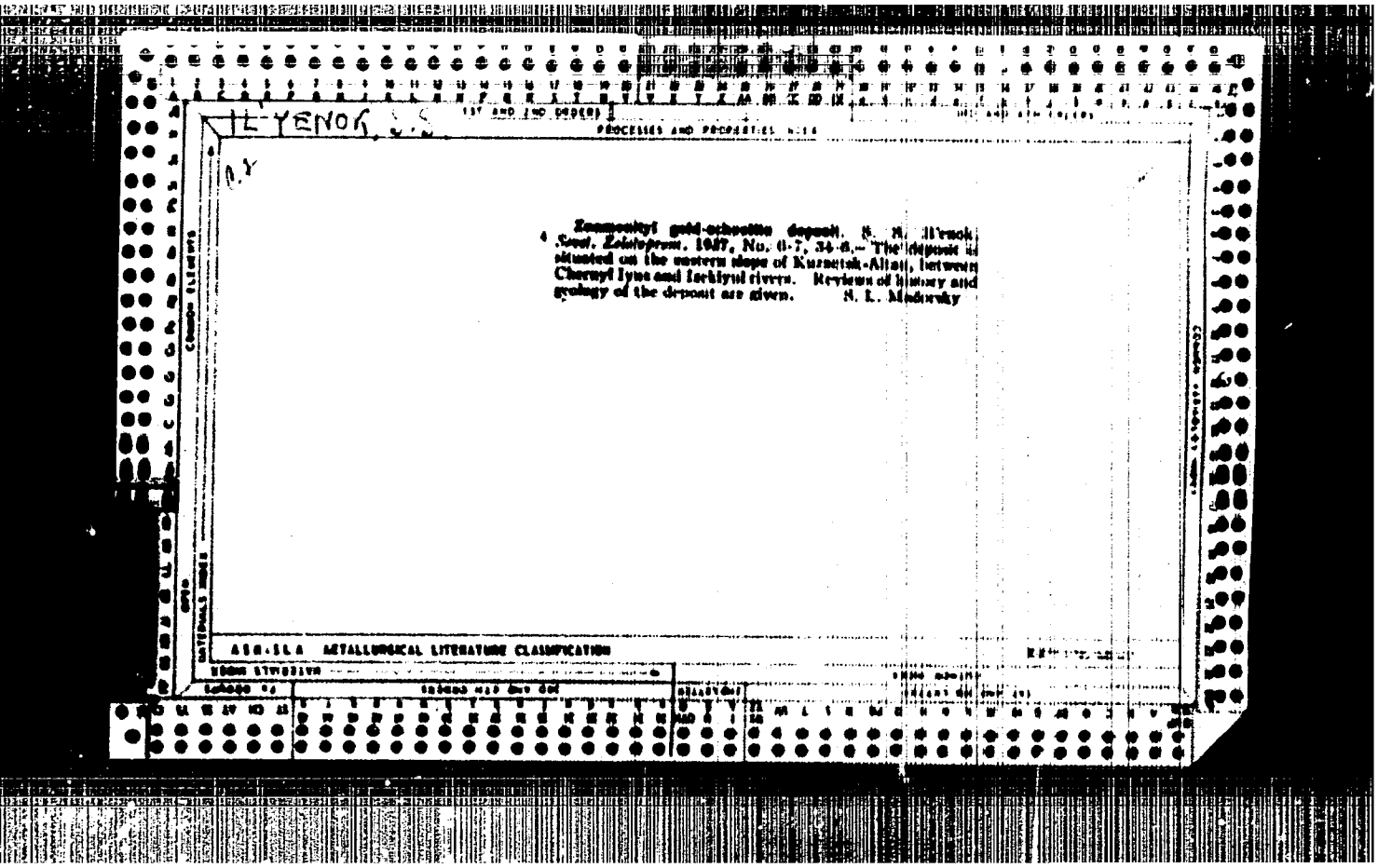
IL'YENKOV, Ye.I., kandidat tekhnicheskikh nauk.

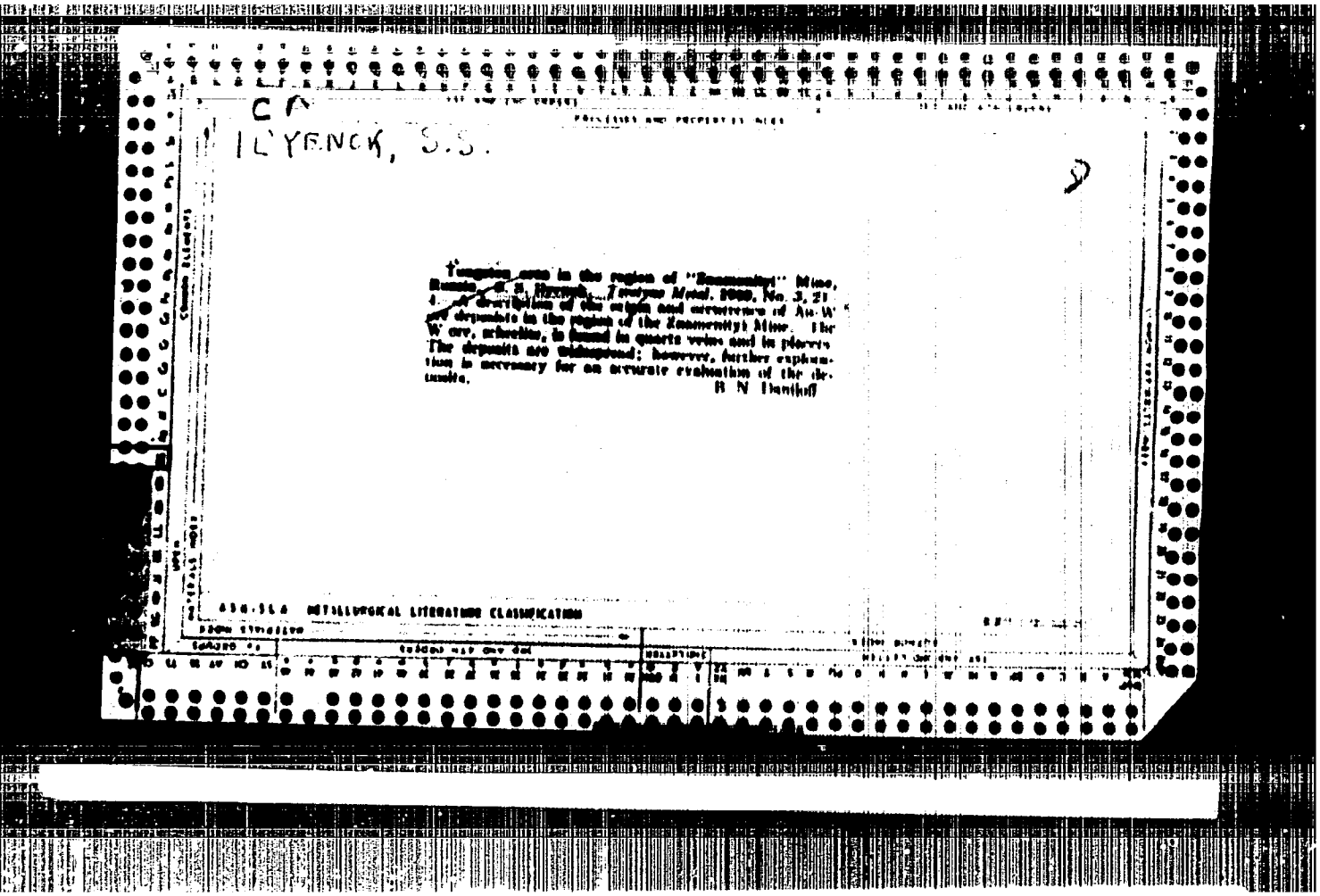
Calculation of the effect of frictional forces on the stability of pole foundations. Trudy MEMIIT no.63:142-153 '53. (MLRA 7:12)
(Electric lines--Poles) (Electric railroads)

IL'YENKOV, Ye.I., kandi dat tekhnicheskikh nauk.

Some errors in the methods of calculating soil compaction related to overhead power line poles. Trudy MEMIIT no.63:154-165 '53. (MLRA 7:12)

(Electric lines--Poles) (Electric railroads)





C
LYENOK, S.S.

Tungsten ores in the region of "Zmeinogorsk" Mine, Russian, S. Ilyenok, Tsvetnye Metal. 1958, No. 3, 21
A description of the origin and occurrence of Au-W ore deposits in the region of the Zmeinogorsk Mine. The W ore, scheelite, is found in quartz veins and in pegmatites. The deposits are widespread; however, further exploration is necessary for an accurate evaluation of the deposits.
B N Ilyenkoff

IL'YENOK, S.S.

Basic petrological characteristics of the Patyn massif. Geol. i geofiz. no.4:76-91 '60. (MIRA 13:9)

1. Tomskiy politekhnicheskiy institut.
(Patyn Mountain--Petrology)

IL'YENOK, S.S.

Boron mineralization in the Izekiyul Valley (Kuznetsk Ala-Tau).
Izv. TPI 90:96-99 '58. (MIRA 12:2)

1. Predstavleno professorom doktorom Yu.A. Kuznetsovym.
(Kuznetsk Ala-Tau--Boron)

IL'YENOK, S.S.; USOV, P.G.

Evidence of manganese ores in Gornaya Shoriya. Izv.vys.ucheb.zav.; geol.i razv. 3 no.4:86-88 Ap '60. (MIRA 13:7)

1. Tomskiy politekhnicheskiy institut.
(Gornaya Shoriya--Manganese ores)

IL'YENOK, S.S.

Alkali rocks in the Mount Kul'-Tayga section. Mat.po geol.Zap.Sib. no.64:216-226 '63.

Alkali rocks in the Mount Patyn section. Ibid.:226-242

(MIRA 17:4)

IL'YENOK, Sergey Sergeyevich; BAKIROV, A.G., dots., red.

[Petrology of the gabbro syenite complex of Gornaya Shoriya]
Petrologiia Gabbro-Sienitovogo kompleksa Gornoi Shorii.
Tomsk, Izd-vo Tomskogo univ., 1964. 128 p. (MIRA 18:9)

IL'YENOK, Vadim Alekseyevich; OKHRIMENKO, V.A., otv. red. izd-va; IL'INSKAYA, G.M., tekhn. red.

[Ventilation of long development workings]Provetrivanie podgotovitel'nykh vyrabotok bol'shoi dliny. Moskva, Gosgortekhizdat, 1962. 60 p. (MIRA 15:12)
(Mine ventilation)

VASILEVSKIY, I.M.; VISHNYAKOV, V.V.; ILIYESKU, E.; TYAPKIN, A.A.

Coefficient of spin correlation in pp-scattering at 310 Mev at 90 angle in the center-of-mass system. Zhur. eksp. i teor. fiz. 39 no.3:889-891 S '60. (MIRA 13:10)

1. Ob"yedinennyy institut yadernykh issledovaniy.
(Protons--Scattering)

SHILOV, V.N.; ZAKHAROVA, M.A.; IL'YEV, A.Ya.; PODZOROV, A.V.

Eruption of the Yuzhno-Sakhalinsk Mud Volcano in the spring of 1959. Trudy Sakh.kompl.nauch.-issl. inst. AN SSSR no.10:83-99 '61. (MIRA 15:6)

(Sakhalin—Volcanoes)

SHILOV, V.N.; IL'YEV, A.Ya.; PODZOROV, A.V.

Eruption in Sakhalin. Priroda 54 no.8:95-96 Ag '65.
(MIRA 18:8)

1. Sakhalinskiy kompleksnyy nauchno-issledovatel'skiy institut Sibirskogo otdeleniya AN SSSR, poselok Novo-Aleksandrovsk.

I L 'Ev F. V.

USSR / Farm Animals. Small Hornod Stock. Q-2

Abs Jour: Ref Zhur Biol., No 23, 1958, 105645.

Author : Il'yov, F. V.
Inst : Kishinov Agricultural Institute.
Title : A Brief Historical Review of the Development of Moldavian Sheep Breeding.

Orig Pub: Tr. Kishinovsk. s.-kh. in-t, 1957, 14, 3-24.

Abstract: The article deals with the history of the development of Moldavian sheep breeding (1870-1953), breeds, their peculiarities and number, and with organizational and breeding work for creating and developing Karakul sheep breeding. It is recommended to continue the work in order to improve further the Karakul sheep in Moldavia.
-- M.F. Domina

IL'YEV, I.L., instruktor (Borisoglebsk); PERSHIN, V.T. (Borisoglebsk)

The party organization of a plant struggles for progress. Zhel. dor.transp. 44 no.7:64-65 Jl '62. (MIRA 15:8)

1. Voronezhskiy oblastnoy komitet Kommunisticheskoy partii Sovetskogo Soyuza (for Il'yev). 2. Sekretar' partiynogo byuro Borisoglebskogo vagonoremontnogo zavoda (for Pershin).
(Communist Party of the Soviet Union—Party work)
(Railroads—Repair shops)

IL'YEV, L.

Fruit and meat from auxiliary farms. Sov. torg. 36 no.11:29 N '62. (MIRA 16:1)

1. Instruktor Voronezhskogo oblastnogo komiteta Kommunisticheskoy partii Sovetskogo Soyuza.
(Voronezh Province--Part-time farming)

IL'YEV, L.I.

USSR/Farm Animals. Honey Bee. Q

Abs Jour: Ref Zhur-Biol., No 4, 1958, 16885.

Author : Il'yev L.I.
Inst :
Title : On the Honey Productiveness of the Forests.
(O medoproduktivnosti lesnykh ugodiy)

Orig Pub: Pchelovodstvo, 1957, No 6, 35-38.

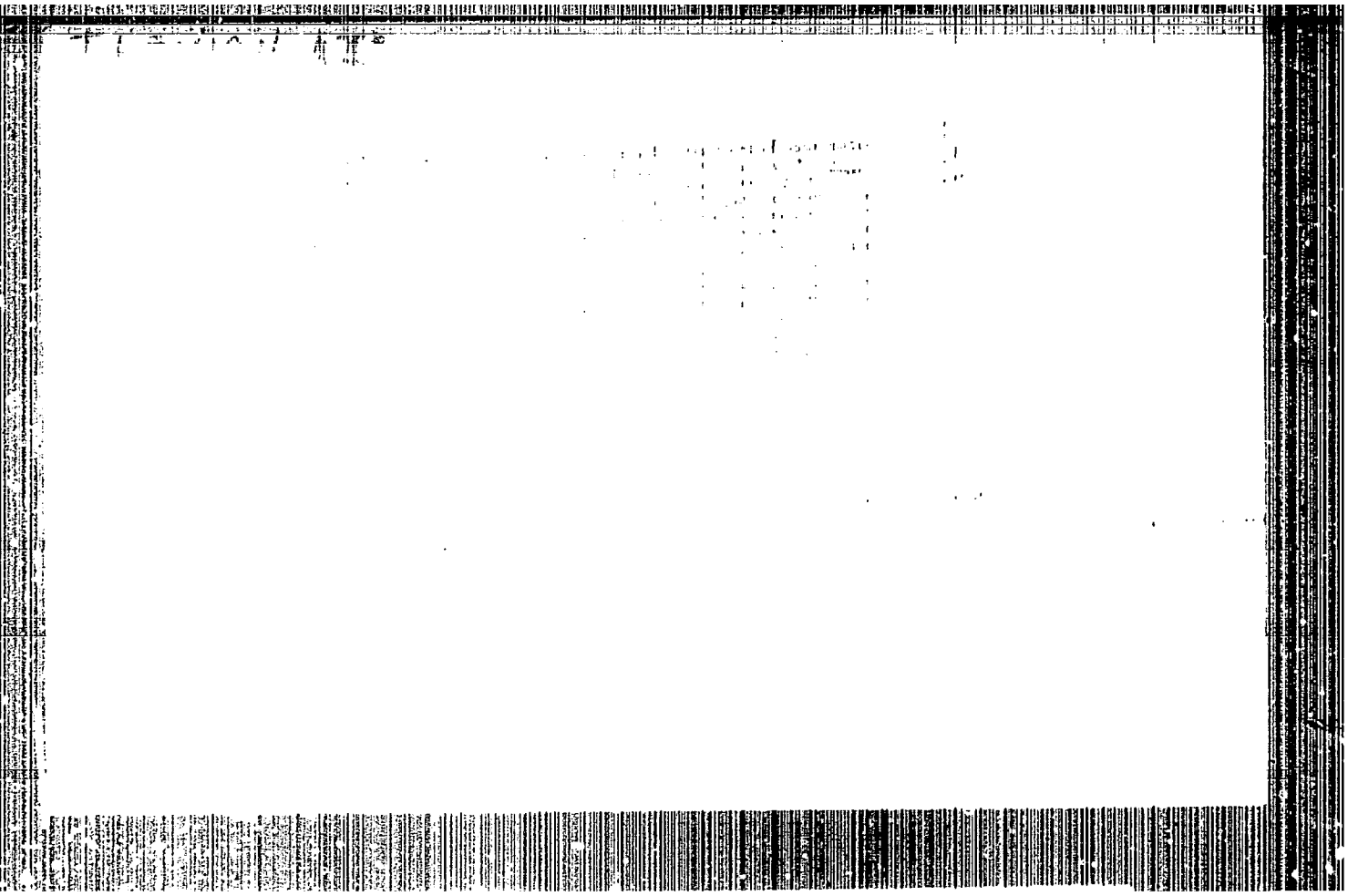
Abstract: Every 100 hectares of the Shipov Forest (Voronezh oblast') yields in the fresh part of it 300-350, and in the dry groves 20-23 kg of marketable honey.

Card : 1/1

IL'YEVICH, A.I.

Four cases of mycosis fungoides. Vest.ven.i derm. no.1:46-47 Ja-F '54. (MLRA 7:2)

1. Iz Ukrainskogo rentgeno-radiologicheskogo i onkologicheskogo instituta. (Skin--Diseases) (Medical mycology)



APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618520016-2"

5182. ILEVICH A.I., KANTOROVICH M.A., KRASTINA E.M. and RAPOPORT B.I.
*Data on the problem of combating pain in cancer (Russian text) VOP.ONKOL. 1956, 2/1 (66-71) Tables 3

Unilateral or bilateral resection of the external carotid was performed in 74 cases of cancer of the maxillo-facial regions, relieving the diffuse pain by converting it into a localized one. The operation was followed by an alcohol novocaine block of the corresponding branches of the trigeminal nerve. If the pains are of a localized character nerve block unaided may prove adequate. This treatment removed pain in 24 patients and alleviated them in 28. Repeated small doses of X-rays reduced pain in late cases of cancer of the uterus or of other internal organs.

Dikhno - Krasnojarsk (IX, 5, 16)

RAPAPORT, B.I.; IL'YEVICH, A.I.; KRASTINA, E.M. (Khar'kov)

Extrafocal radiotherapy for sympathetic pains in cancer.
Klin.med. 34 no.8:63-64 Ag '56. (MIRA 12:8)

1. Iz Ukrainskogo rentgeno-radiologicheskogo i onkologicheskogo instituta (dir. - dotsent Ye.A.Baslov).
(NEOPLASMS, ther.
radiother. in extrafocal synd.)

IL'YEVICH, A.I.; (Khar'kov, Faninskiy per., d. 3, kv. 38); SUKLINA, N.G. (ul. Oktyabr'skoy Revolyutsii, d. 37/39, kv. 2)

Radiophosphorus P-32, therapy of precancerous diseases of the skin. Vop. onk. 5 no.1:90-94 '59. (MIRA 12:3)

1. Iz Khar'kovskogo instituta meditsinskoy radiologii (dir.- dots. Ye. A. Bazlov)

(SKIN NEOPLASMS, ther.
precancer, radiophosphorus ther. (Rus))
(PHOSPHORUS, radioactive.
ther. of skin precancer (Rus))

IL'YEVICH, A.I., kand.med.nauk; TIKHOMIROVA, A.A., kand.med.nauk

Role of roentgenotherapy in the complex treatment of the eye and its adnexa. Vest.oft. 72 no.4:21-28 Jl-Ag '59. (MIRA 13:4)

1. Ukrainskiy rentgeno-radiologicheskiy i onkologicheskiy institut (dir. - dots. Ye.A. Baslov) i kafedra glaznykh bolezney (zav. - prof. M.Ye. Braunshteyn) Khar'kovskogo meditsinskogo instituta (dir. - dots. I.F. Kononenko).

(EYE DISEASES ther.)

L 16944-63 EWT(m)/ES(j)/BDS AFFTC/ASD AR/K

ACCESSION NR: AT3002377 S/2930/62/000/000/0169/0173

AUTHOR: Genes, V. S.; Il'yevich, A. I.; Kogan, A. I. (Kharkov) 56

TITLE: Early skin reactions of people exposed locally to acute X-irradiation and cobalt gamma irradiation

SOURCE: K voprosam ranney diagnostiki ostroy luchevoy bolezni; sbornik nauchnykh rabot. Kiev, Medgiz USSR, 1962, 169-173

TOPIC TAGS: irradiation skin reaction, X-ray, cobalt gamma ray, skin reaction index skin reaction identification

ABSTRACT: This study investigates the skin reactions of two groups of women (both groups totalling 32 women aged 31-60) being treated with X-ray and cobalt therapy for uterine cancer, the purpose of the study being to find the simplest methods of identifying early skin changes after irradiation. One buttock was exposed to a single dose of local irradiation (X-irradiation with energy of 200 kv for the first group, and Co^{60} gamma irradiation of 250 r for the second group), and both buttocks were observed 5 days before and after irradiation. Indices used were: 1) tactile and pain sensitivity (determined by a special selection of needles of equal weight), 2) skin sensitivity to electric

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ACCESSION NR: AT3002377 0

current (determined by a chronomaximeter-accomodator apparatus, 3) skin temperature (determined by an electronic thermometer), 4) perspiration (Korotkov's apparatus), 5) pilomotor reaction (ether cooling of skin), 6) capillary brittleness (Nesterov's apparatus), 7) leucocyte number in capillary blood of skin sections. Results show that both types of irradiation cause changes in all the indices. These changes often occur within the first hour after irradiation but are unstable (with the exception of the leucocyte decrease) and vary with the individual. Despite the fact that only one side of the body was irradiated, almost all the changes occurred on both sides of the body and in some cases occurred only in the non-irradiated side. It is impossible to identify skin sections exposed to 250 r with the methods used because the changes are primarily of a neuroreflectory origin. Orig. art. has: None.

ASSOCIATION: None	DATE ACQ: 28May63	ENCL: 00	
SUBMITTED: 00	DATE ACQ: 28May63	ENCL: 00	
SUB CODE: AM	NO REF SOV: 011	OTHER: 000	

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