

MIL'MAN, D.I.; SMIRNOV, Yu.B.

Automation of the operations of chromate solution pickling in the
production of sodium dichromate. Khim.prom. 41 no.7:540-542 JI '65.
(MIRA 18:8)

MILMAN, D.P.

Normiruyemost' topologicheskikh kolets. DAN, 47 (1945), 166-168.
Zametka o bazise v prostranstve Banach'a. Khark: Zap. matem. T-va (4), 16 (1940), 106-108.
ob Nekotorykh priznakakh regul'yarnosti prostranstv tipa (v), DAN, 20 (1938), 243-246.
ob odnom svoystve regul'yarnykh prostranstv. DAN, 22 (1939), 394-398.
Kharakteristikh ekstremal'nykh tochek regul'yarno vypuklogo mnozhestva. DAN, 57 (1947),
119-121.

SO: Mathematics in the USSR, 1917-1947
edited by Kurosh, A.G.,
Markushevich, A.I.,
Rashevskiy, P.K.
Moscow-Leningrad, 1948

KREYN, M.G.; KRASHOSL'SKIY, M.A.; MIL'MAN, D.P.

Defective numbers of linear operators in Banach space and certain
geometrical problems. Zbir.prats' Inst.mat.AN URSS no.11:97-112
'48. (MLRA 9:9)
(Operators (Mathematics)) (Topology)

MIL'MAN, D. (P.)

PA47T19

USSR/Communications
Systems, Electric

Mar 1948

"Functional-Determining Dynamic Systems, and Invariant Measures in Them," D. Mil'man, Odessa Electrotech Communications Inst, 2 pp

"Dok Akad Nauk SSSR, Nova Ser" Vol LIX, No 8

Introduces new terminology including: Q , abstract combination of elements; E , linear combination of substantial and organic functions in Q consisting of function equal to exactly one unit; Q , half group with unit of well-defined reflections of Q .

47T19

MIL'MAN, D. P.

M
USSR/Mathematics - Numbers, Properties of Apr 1948

"A More Exact Theorem Concerning the Amplitude of a System of Extremal Points of a Regular Convex Number,"
D. P. Mil'man, Odessa Pedagogical Inst imeni Ushinskiy;
M. A. Rutman, Odessa Higher Nautical School, 5 pp

1 BID
~~USSR - Math - Numbers, Properties of~~, *69* ~~USSR~~, No 1, 1948;

Deals with two lemmata: 1) that each supporting group is contained within a certain maximum supporting group and 2) that any extremal period $K(N)$ of a regular convex limited number K from B^* is itself a regular convex number, the extremal points of which are extremal points for K . Submitted by Academician A. N. Kolmogorov 14 Jan 1948.

6742

MILMAN D. P.

SUBJECT USSR/MATHEMATICS/Functional analysis CARD 1/3 PG - 809
 AUTHOR MIL'MAN D.P.
 TITLE Some theorems of non-linear functional analysis and their application in the theory of local groups.
 PERIODICAL Uspechi mat.Nauk 12, 1, 222-226 (1957)
 reviewed 6/1957

Let G be a set in the Banach space E and $f(x)$ a function being defined on G with the range of values in the Banach space E_1 . Let the function $f(x)$ be differentiable in $x \in G$ in a certain sense, where $f'(x)$ is a linear operator on E . Let G be a local group with the unity a the topological space of which is a set of E . If for $x \in G, y \in G$ the composition $x * y = F(x, y)$ is defined, then 1) let $F(x, y)$ be continuously differentiable with respect to x and y , 2) let exist the inverse operator $F_1'(a, x)^{-1}$ in $E, x \in G$ and 3) let exist $F_{12}''(x, y)$ as well as $F_{21}''(x, y)$ - both continuous. Let further E_x be the totality of elements $\xi \in E$ for which $\lim_{\tau \rightarrow 0} \left\| \frac{\tilde{x}(\tau) - x}{\tau} - \xi \right\| = 0$, where $\tilde{x}(\tau)$ lies in G

Uspechi mat.Nauk 12, 1, 222-226 (1957)

CARD 2/3

PG - 809

and has a continuous derivative: $\tilde{x}'(\tau)$, $0 \leq \tau < 1$, $\tilde{x}(0) = x$. Let $\chi(x) = F_1'(a, x)^{-1} F_2'(x, a)$ and $\bar{1}$ be the unity operator in E . If these and still some further assumptions are satisfied, then there holds the theorem: E_x is a linear subspace of E and $E_x = F_1'(a, x)E_a = F_2'(x, a)E_a$. The operator function $\chi(x)$ is a linear representation of G on E_a , i.e.:

$$\chi(a) = \bar{1}, \quad \chi(x*y)\zeta = \chi(x) \cdot \chi(y)\zeta, \quad \zeta \in E_a, \quad x \in G, \quad y \in G.$$

The kernel of the homomorphism $\chi(x)$ consists of the points x for which

$$\lim_{\tau \rightarrow 0} \frac{\tilde{a}(\tau)*x - x*\tilde{a}(\tau)}{\tau} = 0,$$

where $\tilde{a}(\tau)$ is an arbitrary, on G continuously differentiable line which arises from the point a : $\tilde{a}(\tau) \in G$, $0 \leq \tau < 1$, $\tilde{a}(0) = a$. Theorem 2: If $F(x, y)$ besides has continuous third derivatives and $\chi'(a)$ denotes a linear operator being the derivative of $\chi(x)$ in a , then it holds: E_a is a Lie algebra with respect to the operation $[u, v] = \chi'(a)uv$, $u \in E_a$, $v \in E_a$.

Uspechi mat.Nauk 12, 1, 222-226 (1957)

CARD 3/3

PG - 809

If $x(t)$ is a local one-parametric subgroup of G , then for real t in the neighborhood of zero holds: $\chi[x(t)] = e^t \chi'(a)x'(a)$. A further theorem contains assertions of existence and uniqueness on the solutions of the equation

$$y'_x u = f(x,y)u \quad u \in E_x, \quad x \in G \quad y|_{x=a} = y_0.$$

The theorem is a generalization of the well-known criterion for complete integrability of systems of partial differential equations of first order which are solved with respect to the derivatives, to the infinite-dimensional case. If G is a sphere in E , see also Michal and Elconin (Acta Math. 68, 72-107 (1957)). Finally the author gives the condition that the linear representation of the local group G in E_1 , which is established by a differential equation, is exact (i.e. that the homomorphism is an isomorphism).

SOV/142-58-4-12/30

AUTHOR: Breskin, V.A., Lev, A.Yu., Mil'man, D.P.

TITLE: On the Compression of the Frequency Spectrum of Binary Communications with Small Probability of One of the States (O szhatii chastotnogo spektra dvoichnykh soobshcheniy s maloy veroyatnost'yu odnogo iz sostoyaniy)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy - Radiotekhnika, 1958, Nr 4, pp 466-473 (USSR)

ABSTRACT: The author discusses a method for increasing the effectiveness of communications channels to allow binary communication transmission. He suggests decreasing the necessary number of distinguishable levels by dropping certain unlikely combinations of binary symbols. A probability evaluation is made of the interference arising from this method of communication transmission. The paper deals first with the method of transmission and then evaluates the distortions by constructing a theoretical problem of probability. This is solved by

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SOV/142-58-4-12/30

On the Compression of the Frequency Spectrum of Binary Communications
with Small Probability of One of the States

constructing a complete manifold of minimally-sufficient regions adjacent to isolated wrong zero with $n = 3$, by determining $P(\psi)$ where $n = 2$, by reduction to an isolated wrong zero where $n = 3$ and by determining $p(\psi)$ where $n = 3$. Finally a computational example follows and as a supplement the formulation of $p(\psi)$ from the minimum amount of data. There are 2 Soviet references.

ASSOCIATION: Kafedra teorii elektricheskoy svyazi i dal'ney svyazi
Odesskogo elektrotekhnicheskogo instituta svyazi
(Chair of Electro-Communications and Long Distance
Communications Theory, Odessa Electro-Engineering
Institute of Communications)

SUBMITTED: February 24, 1958
Card 2/2

M. T. N. A. N. D. P.

16(1) VEESOUZNY MATEMATICHESKIY S'YED. 3rd, Moscow, 1956 307/2660

Труды, т. 3: Доклады академиче- ских докладов. Доклады Института математики (Transactions of the 3rd All-Union Mathe- matical Conference in Moscow, vol. 3: Summary of Sectional Reports, Reports of Foreign Scientists) Moscow, Izd-vo M SSSR, 1959, 207 p. 2,200 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Matematicheskii Institut.

Тех. ред. Г.Н. Шевченко; Editorial Board: А.А. Абрамов, В.О. Шаталов, И.И. Шварцман, В.К. Морозов, А.Д. Кычкин, С.М. Шапиро, П.К. Шиллер, В.А. Успенский, М.О. Четаев, Г.Я. Шиллер, and А.Т. Шапиро.

FOREWORD: This book is intended for mathematicians and physicists.

CONTENTS: The book is Volume IV of the Transactions of the Third All-Union Mathematical Conference, held in June and July 1956. The book is divided into two main parts. The first part contains summaries of the papers presented by Soviet scientists at the Conference that were not included in the first two volumes. The second part contains the text of reports submitted to the editor by foreign scientists. In this case, the editor has included the text of the report as cited and if the paper was printed in a previous volume, reference is made to the appropriate volume. The papers, both Soviet and non-Soviet, cover various topics in number theory, algebra, differential and integral equations, function theory, functional analysis, probability theory, topology, mathematical problems of mechanics and physics, computational mathematics, mathematical logic and the foundations of mathematics, and the history of mathematics.

Медета, М.И. (Makryevam). Topological equivalence of cer- tain Markov spaces	54
Мас'лин, Yu. A. (Maslov). On the character of the spectrum of certain classes of matrices in analytic space	55
Морозов, В.К. (Morozov). A generalization of the Wiener theorem and the spectrum of rapidly increasing functions	56
Миллер, Р.П. (Miller). Certain theorems of nonlinear func- tional analysis and their application to the theory of local groups	58
Шаболов, В.И. (Shabolev). On semiorde- reded rings	59
Шапиро, С.М. (Chernomoray). Local equivalence of ordinary linear-differential operators of equal rank (see Uspokhi matematicheskikh nauk, XIII, Nr 1(79) (1958), pp 207-210)	60

Section on Probability Theory
Card 12/34

MIL'MAN, D.P.; MIL'MAN, V.D.

Some geometric properties of nonreflexive spaces. Dokl. AN SSSR
152 no.1:52-54 S '63. (MIRA 16:9)

1. Odesskiy elektrotekhnicheskiy institut svyazi i Fiziko-
tekhnicheskiy institut nizkikh temperatur AN UkrSSR. Predstavleno
akademikom S.L.Sobolevym.

(Banach spaces)

MIL'MAN, D.P. (Odessa); MIL'MAN, V.D. (Khar'kov)

Some properties of nonreflexive Banach spaces. Mat. sbor. 65
no.4:486-497 D '64. (MIRA 18:5)

MIL'MAN, D.P. (Odessa); MIL'MAN, V.D. (Khar'kov)

Geometry of inclusions with empty intersections. Structure of a
unit sphere of nonreflexive space. Mat. sbor. 66 no.1:109-118
Ja '65. (MIRA 18:4)

MIL'MAN, D.P.

Formulation and methods of solution of the general boundary value problem in the theory of operators in the aspect of functional analysis. Cauchy and Dirichlet problems. Dokl. AN SSSR 161 no.6: 1278-1281 Ap '65. (MIRA 18:5)

1. Odesskiy elektrotekhnicheskiy institut svyazi. Submitted November 14, 1964.

MIL'MAN, D.P.

Divisions of nonlinear functionals and their linear extensions.
Izv. AN SSSR. Ser. mat. 27 no.6:1189-1210 N-D '63. (MIRA 17:1)

1. Odesskiy elektrotekhnicheskiy institut svyazi.

POPOVA, N.I.; MILMAN, F.A.; STUKOVA, R.I.; ZEDANOVA, K.P.

Studying the process of catalytic oxidation of propylene. Report .
No.5. Izv.Sib.otd.AN SSSR no.12:70-82 '60. (MIRA 14:2.

1. Vostochno-Sibirskiy filial Sibirskogo otdeleniya AN SSSR.
(Propylene) (Oxidation)

S/200/61/000/007/005/006
D238/D302

AUTHORS: Popova, N.I., Mil'man, F.A., and Latysheva, L.E.

TITLE: The oxidation of isobutylene to methylacrolein in the presence of copper catalysts

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Sibirskoye otdeleniye, no. 7, 1961, 77 - 82

TEXT: The object of this work was the more detailed investigation of the formation of methylacrolein by the catalytic oxidation of isobutylene, using copper catalysts and its identification and analysis. Difficulties were the highly exothermic nature of the reaction and the great polymerizability of methylacrolein which at room temperature polymerizes completely in two hours. Methylacrolein is of great value in the plastics industry as a source of many products. Two basic methods of preparation are outlined - that already mentioned and the croton condensation of formaldehyde and propionic aldehyde. Detailed results of the oxidation of isobutylene are

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S/200/61/000/007/005/006
D238/D302

The oxidation of isobutylene ...

shown, revealing a high yield of carbonyl compounds and selectivity of the reaction. The catalyst undergoes partial reduction to cuprous oxide reaching a steady state composition of about 70 % monovalent copper and 30 % divalent copper. Comparative results are given for the oxidation of isobutylene and propylene. In both cases the carbonyl compounds have a high unsaturated aldehyde content and as the carbon monoxide content in the gases at the end of the reaction is zero there appears to be no aldehyde dissociation on the catalyst. The yield of isobutylene at a volume speed of 6000 reaches 413 gr from a liter of catalyst per hour. Methylacrolein was synthesized by the croton condensation of formaldehyde and propionic aldehyde in the presence of a boron fluoride and water complex working to data taken from Wm.F. Gresham (Ref. 6: Patent SShA(USA Patent) 2549457, 1951) but elaborated and made more accurate during the course of the work. An increase in the formaldehyde-propionic aldehyde ratio to ascertain the level increases the yield of methylacrolein, of which 53 gr. were obtained, after fractional distillation, with physical constants in accord with those given in the literatu-

Card 2/4

S/200/61/000/007/005/006
D238/D302

The oxidation of isobutylene ...

re. The possibility of polarographic analysis of aqueous solutions of methylacrolein was shown; calibration curves plotted its dissociation potential worked out for the first time. To identify the unsaturated aldehydes their physical properties were studied. Aqueous solutions of methylacrolein obtained by each method gave identical curves with similar potential. Similarly, aqueous solutions of these aldehydes and alcoholic solutions of their 2:4 dinitrophenylhydrazones have the same absorption maxima in the ultraviolet spectrum. After distillation a group of aldehydes was obtained containing 82.5 % methylacrolein and since part of the latter is polymerized the content is in fact higher. After describing the experiments on oxidation of isobutylene -- relatively pure isobutylene was obtained by the dehydration of isobutyl alcohol, the authors conclude that: isobutylene oxidizes selectively to methylacrolein in the presence of copper catalysts; carbonyl groups formed during the reduction contain 82.5 % of methylacrolein: The syntheses of methylacrolein by the croton condensation of formaldehyde and propionic aldehyde was investigated; certain physical constants of methylacrolein were

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The oxidation of isobutylene ...

S/200/61/000/007/005/006
D238/D302

determined for the first time, in particular the half wave dissociation potential and the absorption spectra in ultraviolet light of aqueous solutions of the methylacrolein. There are 5 tables, 4 figures and 10 references: 2 Soviet-bloc and 8 non-Soviet-bloc. The references to the 4 most recent English-language publications read as follows: I. Ballard, H. Finch, E.A. Peterson, USA Patent 2767221, 1950; H. Finch, A.D. Benedictis, USA Patent 2779801, 1957; Smit, Holms, USA Patent 2774928, 1950; W.F. Forbes, R. Shilton, J. Am. Chem. Soc., 81, 787, 1959.

ASSOCIATION: Institut khimii vostochno-sibirskogo filiala SO AN SSSR, Irkutsk (Chemical Institute of the East Siberian Section, Siberian Branch AS USSR, Irkutsk)

SUBMITTED: July 26, 1960

Card 4/4

POPOVA, N.I.; VERMEL', Ye.Ye.; MIL'MAN, F.A.

Oxidation of some unsaturated hydrocarbons on copper catalysts.
Kin.1 kat. 3 no.2:241-246 Mr-Ap '62. (MIRA 15:11)

1. Institut nefte- i uglekhimicheskogo sinteza Sibirskogo
otdeleniya AN SSSR, Irkutsk.
(Hydrocarbons) (Oxidation) (Catalysts, Copper)

S/200/62/000/011/002/008
D204/D307AUTHORS: Popova, N. I. and Mil'man, F. A.

TITLE: A study of the oxidation kinetics of isobutylene on copper catalysts

PERIODICAL: Akademiya nauk SSSR. Sibirskoye otdeleniye. Izvestiya, no. 11, 1962, 59-65

TEXT: The aim of the present work was to study the oxidation kinetics of isobutylene to methylacrolein and CO_2 in the presence of various concentrations of the catalyst (0.1 - 1.5% CuO) on the carrier (silite). The reaction did not take place in the absence of catalyst, even at 370 - 400°C. In the presence of catalyst (0.5 and 0.1% CuO), at 320°C, the rates of the formation of methylacrolein and CO_2 did not depend on the concentration of isobutylene (between 20 and 80% iso-C₄H₈) but were of first order w.r.t. oxygen, in the region 7 - 25% O_2 . The variation of first order rate

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S/200/62/000/011/002/008
D204/D307

A study of the oxidation ...

constants with temperature, ($\sim 250 - 400^\circ\text{C}$) was determined for catalysts containing 1.5 and 0.1% CuO on the carrier, for the mixture 40% iso-C₄H₈, 10% O₂, 50% N₂. The results are compared with those of the oxidation of propylene into acrolein and CO₂, taken from the literature. The kinetic constants and activation energy (E_A) depended on the catalyst; thus E_A was 13 - 14 kcal for the 1.5% CuO and 20 - 22 kcal for the 0.1% CuO catalyst. This is explained by the fact that the ratio of various Cu oxides formed on the carrier during the reaction depends on the concentration of CuO. The selectivity of the process w.r.t. O₂ decreased strongly at 340 - 350°C for silite catalysts containing 1.5% CuO (I), 0.10% CuO (II) and 0.5% CuO (III). The decrease was from ~ 40 to $\sim 20\%$ for I, from ~ 50 to $\sim 30\%$ for III, and from ~ 70 for II, no constant lower value being attained in the latter case. This fall of selectivity is ascribed to a change from the initial mechanism, in which methylacrolein and CO₂ are produced side by side, to one in which the methylacro-

Card 2/3

A study of the oxidation ...

S/200/62/000/011/002/008
D204/D307

lein is further oxidized to CO_2 . For catalysts I - III the selectivity w.r.t. the olefin increases and the percentage conversion decreases with decreasing concentration of CuO on the carrier. There are 3 figures and 4 tables.

ASSOCIATION: Institut nefte- i uglekhimicheskogo sinteza Sibirskogo otdeleniye AN SSSR, Angarsk (Institute of Petro- and Carbochemical Synthesis of the Siberian Branch of the AS USSR, Angarsk) ✓

SUBMITTED: October 12, 1962

Card 3/3

POPOVA, K.I.; KABAKOVA, N.V.; MEL'NAN, P.A.; VERMOL', Yo.Ye.

Some features of the gas-phase oxidation of hydrocarbons on copper catalysts. Dokl. AN SSSR 155 no.1:149-152 Mr '67. (MIRA 17:4)

1. Institut nefte- i uglekhimicheskogo sinteza pri Irkutskom gosudarstvennom universitete. Predstavleno akademikom B.A.Kazanskim.

POPOVA, M.I.; MIL'MAN, F.A.

Certain features of the oxidation of n-butenes and their
mixtures over copper catalysts. *Kin. i kat.* 6 no. 5:944-947
S-O '65. (MIRA 18:11)

I. Institut ugle- i neflekhimicheskogo sinteza, Mgarek.

MIL'MAN, G.B.

MAZURIN, S.A., salushennyy agronom Uzbekskoy SSR; MIL'MAN, G.B., agronom

White durra is a valuable feed crop. Zemledelie 5 no.12:88 D '57.
(MIRA 11:1)

(Sorghum)

MIL'MAN, G.S.

Aluminum radiators. Vod. i san. tekhn. no.7:28-29 J1 '62.
(MIRA 15:9)

(Radiators)

MIL'MAN, G.S.

Conference on problems of heating, ventilation and air
conditioning (from "Installateur," nos. 229, 230, 1962).
Vod. i san. tekhn. no.12:28 D '62. (MIRA 15:12)
(France--Domestic engineering)

MIL'MAN, G.Ya.; BEYU, V.K.

One track-skeleton assembly point for two tracklaying machinery stations. Put' i put.khos. no.7:8-10 '62. (MIRA 15:7)

1. Nachal'nik Putevoy dorozhnoy mashinnoy stantsii No.9, st. Sinezerki, Moskovskoy dorogi (for Mil'man). 2. Glavnyy inzhoner Putevoy dorozhnoy mashinnoy stantsii No.9, st. Sinezerki, Moskovskoy dorogi (for Beyu).

(Railroads--Maintenance and repair)

(Railroads--Tracklaying machinery)

MIL'MAN, G.Ya.

Increasing the operative efficiency in track laying during an
"interval." Put' i put. khoz. 7 no.11:10-12 '63. (MIRA 16:12)

1. Nachal'nik Putevoy mashinnoy stantsii No.99, stantsiya
Pochep, Moskovskoy dorogi.

MTL 1000, G. 100.

We found 5,000 meter tracks during on-traffic intercepts.
Put' 1 put. Photo. 8 no. 10:9-11 100.

(MIRA 17:12)

1. Stantsiya Bryansk-II, Moskovskoy orodgi.

MIL'MAN, G.Ya.

Traffic interval time saving. Put' 1 put.khoz. 9 no.6:16 '65.
(MIRA 18:6)

1. Nachal'nik putevoy mashinnoy stantsii No.99, stantsiya
Bryansk II, Moskovskoy dorogi.

MIL'MAN, Il'ya Borisovich; POBEREZHNYI, I.V., red.; KUROCHKIN,
A.Ye., red.;

[Manual for the training of harbor workers of the fourth
class] Uchebnoe posobie dlia podgotovki portovogo rabocheho
IV klassa. Moskva, Izd-vo "Transport," 1964. 182 p.
(MIRA 17:6)

MIL'MAN, I. I.

Telo cheloveka i ukhod za nim [Human body and its care]. Posobie diia uchitelei.
Moskva, Izd. In-ta san. prosveshcheniia, 1953. 128 p.

SO: Monthly List of Russian Accessions, Vol. 6 No. 7 October 1953

MIL'MAN, I. I.

[The human body and its care; material for the first and second grades of elementary schools manual for teachers] Telo cheloveka i ukhod sa nia; material dlia raboty v I i II klassakh nachal'noi shkoly, posobie dlia uchitelei. Izd. 3. Moskva, Medgiz, 1954. 162 p.

(MLRA 8:11)

(HYGIENE--STUDY AND TEACHING)

MIL'MAN, Iosif Isaakovich

[The subject of "Health Preservation"; materials for work
in the fourth grade of the primary school] Tema "Okhrana
zdorov'ia"; materialy dlia raboty v IV klasse nachal'noi
shkoly. Moskva, Medgiz, 1955. 108 p. (MIRA 13:4)
(HEALTH EDUCATION)

MIL'MAN, I. I.

AID P - 2482

Subject : USSR/Medicine
Card 1/1 Pub. 37 - 11/19
Author : Mil'man, I. I., Kand. of Med. Sci.
Title : Fundamental problems of the advancement of sanitary education in village schools
Periodical : Gig. i san., 7, 43-46, J1 1955
Abstract : Describes the work in improvement of the qualifications of teachers teaching hygiene in schools of Moscow, Leningrad, Tula, Saratov, Tbilisi, and other cities. The methods, as well as the manuals, were improved. More attention should be given to hygiene courses in village schools, including special instruction in sanitary measures in agriculture. The chief sanitary inspector of each district and other physicians must be helpful in the hygienic education of school children.
Institution: Institute of Sanitary Education, Ministry of Health, USSR
Submitted : July 19, 1954

MIL'MAN, Iosif Isakovich, kandidat meditsinskikh nauk; RYBAKOVA, M.F.,
redaktor; SMIRNOV, G.I., tekhnicheskiy redaktor

[Health education and training in grade school; manual for
teachers of grades one to four] Gigenicheskoe vospitanie i
obuchenie v nachal'noi shkole; posobie dlia uchitelei I-IV
klassov. Moskva, Gos. uchebno-pedagog. izd-vo M-va prosv.
RSFSR, 1956. 215 p. (MLRA 10:4)
(HEALTH EDUCATION)

ILINEN, I.I.

"Urgent problems of sanitary education at school."

report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists
and Infectionists, 1959.

MIL'MAN, I.I., kand.med.nauk (Moskva)

Health education in schools in the new era. Sov.zdrav. 20 no.2:
30-36 '61. (MIRA 14:5)

1. Iz Tsentral'nogo instituta sanitarnogo prosveshcheniya.
(HEALTH EDUCATION)

MIL'MAN, I.I., kand.med.nauk

Basic tasks of the nurse in the area of sanitary instruction in school.
Med. sestra 20 no.11:9-14 N '61. (MIRA 15:2)

1. Iz Tsentral'nogo nauchno-issledovatel'skogo instituta sanitarnogo
prosveshcheniya Ministerstva zdravookhraneniya SSSR, Moskva.
(SCHOOL HYGIENE)

MIL'MAN, I.Sh.

Rapid device for grinding small holes. Med.prom. 10 no.4:33-34
O-D '56. (MIRA 10:2)

1. Kiyevskiy zavod meditsinskogo oborudovaniya.
(GRINDING AND POLISHING)

MIL'MAN, Kh.M.

Pneumatic removal of waste products in plastics cutting.
Mashinostroenie no.1:109-110 Ja-F '62. (MIRA 15:2)
(Plastics cutting)
(Pneumatic tube transportation)

LUR'YE, S.I., inzh.; MIL'MAN, L.I., inzh.; Prinimali uchastiye: AGEYEVA,
L.V.; TSIMBEROV, Yu.A.

Mechanical properties of cardboard used in electric transformer.
Vest. elektroprom. 34 no.1:46-50 Ja '63. (MIRA 16:1)
(Electric transformers)

LUR'YE, S.I., inzh.; MIL'MAN, L.I., inzh.

Mechanical characteristics of the insulating materials of transformer windings. *Elektrotehnika* 35 no.4:29-32 Ap '64. (MIRA 17:4)

MIL'MAN, L.I., Inzh.; LUR'YE, S.I., Inzh.

Calculation of the strength of external windings of transformers
subject to the action of radial short-circuit conditions. Elektri-
chestvo no.8:77-83 Ag '65. (MIRA 18:9)

1. Vsesoyuznyy elektrotekhnicheskiy Institut imeni V.I.Lenina.

NARAKIDZE, N.M.; MIL'MAN, L.M., red.

[Conquest of space; list of scientific and popular literature in Russian for 1957-1963 on Soviet space flights] Zavoevanie kosmosa; spisok nauchno-populiarnoi literatury na russkom iazyke za 1957-1963 gg. o sovetskikh kosmicheskikh poletakh. Moskva, 1963. 21 p. (MIRA 17:10)

1. Moscow. Publ'ichnaya biblioteka.

ZBARSKIY, I.B.; RAMENSKAYA, G.P.; MUL'MAN, L.S.; YERMOLAYEV, L.P.

Concentration and nucleotide composition of nucleic acids in the ontogeny of the silkworm *Bombyx mori*. Zhur.ob.biol. 20 no.6:428-438 N-D '59. (MIRA 13:4)

1. Institut morfologii zhivotnykh im. A.N. Severtsova AN SSSR.
(SILKWORMS) (NUCLEIC ACIDS)

MIL'MAN, L.S. (Moskva)

Photosynthetic phosphorylation. Usp.sovr.biol. 48 no.2:155-165
3-0 '59. (MIRA 13:3)

(PHOTOSYNTHESIS)
(PHOSPHATES metab.)
(METABOLISM TISSUE)

MIL'MAN, L. S.

"Content of RNA in the Mitochondria of Normal Tissues and Certain Tumors."

report submitted for the First Conference on the problems of Cyto and
Histochemistry, Moscow, 19-21 Dec 1960.

Group of the Biochemistry of Cellular Structures, Institute of Morphology of
Animals Imeni A. N. Severtsov, Academy of Sciences USSR, Moscow.

MIL'MAN, L.S.

Concentration and composition of high-polymeric and low-polymeric
fractions of ribonucleic acids in the organs of rats. *Biochimia*
25 no.5:796-802 S&O '60. (MIRA 14:1)

1. Institute of Animal Morphology, Academy of Sciences of the
U.S.S.R., Moscow. (NUCLEIC ACIDS)

MIL'MAN, L.S. (Moskva)

Some problems in studying ribonucleic acids in cells. Usp. sovr.
biol. 49 no.3:285-304 My-Je '60. (MIRA 13:7)
(NUCLEIC ACIDS) (CELL METABOLISM)

RAMENSKAYA, G.P.; ZBARSKIY, I.B.; MIL'MAN, L.S.

Nucleic acids in silk-secreting glands of the silkworm *Bombyx mori*. Dokl. AN SSSR 132 no.5:1206-1209 Je '60.
(MIRA 13:6)

1. Institut morfologii zhivotnykh im. A.N. Severtsova Akademii nauk SSSR. Predstavleno akademikom A.I. Oparinym.
(SILKWORMS) (NUCLEIC ACIDS) (GLANDS)

SPIRIN, A.S.; MIL'MAN, L.S.

Effect of temperature on the state of macromolecules of highly polymerized ribonucleic acid from animal tissues. Dokl. AN SSSR 134 no.3: 717-720 S '60. (MIRA 13:9)

1. Institut biokhimi i im. A.N. Bakha Akademii nauk SSSR i Institut morfologii zhiwotnykh im. A.N. Severtsova Akademii nauk SSSR. Predstavleno akad. A.I. Oparinym.
(NUCLEIC ACIDS) (TEMPERATURE--PHYSIOLOGICAL EFFECT)

MIL'MAN, L. S., Cand Bio Sci -- "Study of ~~the~~ ribonucleinic
acids ~~of the~~ ^{in the cytoplasm of a} living cell ~~cytoplasm.~~" Mos, 1961. (Acad Sci
USSR. Inst ^{of} Biochem im A. N. Bakh) (KL, 8-61, 237)

-158-
- 157 -

MILMAN, L. S. (USSR)

"The Fractionation of Cytoplasmic RNA with Phenol."

Report presented to the 5th International Biochemical Congress,
Moscow, 10-16 August 1961

MIL'MAN, L.S.

Characteristics of the cytoplasm RNA fraction not extractable
with phenol. Vop. med. khim. 7 no.2:212-214, Mar-Apr '61.
(MIRA 14:6)

1. Institut morfologii zhivotnykh imeni A.N.Severtsova AN SSSR,
Moskva.

(NUCLEIC ACID)

MILMAN, L.S.

Content of ribonucleic acid not extractable with phenol in the
cytoplasm of animal cells. Biokhimiia 26 no.6:1082-1089 N-D
'61. (MIRA 15:6)

1. Institut morfologii zhivotnykh imeni A.N. Severtsova
Akademii nauk SSSR, Moskva.
(NUCLEIC ACIDS) (CELLS) (PHENOLS)

ODINTSOVA, M.S. Primalni uchastiye: MALKOVA, M.G.; KOSAREVA, Ye.A.
BASS, I.A. [translator]; BEKINA, R.M. [translator]; GVOZDEV, V.A.
[translator]; GEORGIYEV, G.P. [translator]; GUMILEVSKAYA, N.A.
[translator]; KUVAYEVA, Ye.B. [translator]; MIL'MAN, L.S.
[translator]; MIKHAYLOVA, Ye.S. [translator]; MOSOLOVA, I.M.
[translator]; PINUS, Ye.A. [translator]; SAL'KOVA, Ye.P.
[translator]; SAMARINA, O.P. [translator]; CHENTSOV, Yu.S.
[translator]; VETROVA, I.B., red.izd-va; DOROKHINA, I.N., tekhn.red.

[Functional biochemistry of cell structures; symposium 2]
Funktsional'naya biokhimiya kletochnykh struktur; simpozium II.
1962. 314 p. (MIRA 16:1)

1. International Congress of Biochemistry. 5th, Moscow, 1961.
(BIOCHEMISTRY—CONGRESSES)

MIL'MAN, L.S.; KUZAYEVA, V.A.

Amount of ribonucleic acid in the mitochondria of normal and tumoral tissues. *Sitologia* 4 no.1:42-51 Ja-F '62. (MIRA 15:4)

1. Gruppya biokhimi kletochnykh struktur Instituta morfologii zhiivotnykh AN SSSR, Moskva.
(NUCLEIC ACIDS) (MITOCHONDRIA)

MILMAN, L.S.; ZBARSKY, I.B.

Technique of separating nucleic acids in Ehrlich ascites
cancer cells. Vop. med. khim. 8 no.4:412-417. Ji-Ag '62.
(MIRA 17:11)

1. Institut morfologii zhivotnykh imeni A.N. Severtsova
AN SSSR, Moscow.

ZBARSKIY, I.B.; MIL'MAN, L.S.

State of DNA in the unfertilized frog ovum. Zhur. ob. biol.
24 no.5:380-382 S-O '63. (MIRA 17:1)

1. Institut morfologii zhivotnykh imeni Severtsova AN SSSR,
Moskva.

MIL'MAN, L.S.; DANYUKOV, Yu.G.

Presence of antephase in the cleavage of loach eggs.

Cytologia 7 no.6:731-733 N-D '65.

(MIRA 19:1)

1. Gruppya biofiziki razvitiya Instituta morfologii zhivotnykh
AN SSSR, Moskva. Submitted June 8, 1964.

L 24696-66 ENT(1)/T JK

ACC NR: AP6015825

(A)

SOURCE CODE: UR/0321/65/026/005/0546/0554

AUTHOR: Zotin, A. I.; Mil'man, L. S.--Milman, L. S.; Khaustov, V. S.--Faustov, V. S.ORG: Institute of Animal Morphology im. A. N. Severtsov, AN SSSR, Moscow (Institut morfologii zhivotnykh AN SSSR)

TITLE: Alteration in ATP content in sea urchin eggs caused by cell division inhibitors

SOURCE: Zhurnal obshchey biologii, v. 26, no. 5, 1965, 546-554

TOPIC TAGS: organic phosphorus compound, phosphorylation, biosynthesis, protein, nucleic acid, biologic reproduction, RNA, DNA, drug effect

ABSTRACT: The article contains data on the effect of inhibitors of respiration, oxidative phosphorylation, glycolysis, and protein and nucleic acid synthesis on ATP content and cleavage of sea urchin eggs (*Strongylocentrotus drobachiensis*). During the first three cleavages no patterned change in ATP content, which on the average is 1.5 mcg for 1,000 eggs of this species and constitutes 0.27% of dry weight, takes place. Sodium cyanide, 2,4-dinitrophenol, sodium azide and monoiodacetate reduced ATP content and halted cleavage. The degree of the drop in ATP content depended on the concentration and time of effect of the inhibitors. Malonate and sodium fluoride in concentrations that halted cleavage did not reduce ATP content. There is a linear relation between the degree of drop in ATP content and the percentage of egg cleavage. The first cleavage is completely blocked with an ATP content in the eggs of less than 58% of normal and takes place

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UDC: 591.31:591.16:001.5

L 21095-66 EWT(1)/T JK

ACC NR: AP6015825

normally with an ATP content 93% of normal or higher. Actinomycin D⁶ and 5-fluorodeoxyuridine in concentrations blocking RNA⁶ and DNA synthesis, respectively, evoke an increase in ATP content during the first hours after the eggs are placed in solutions of these substances. The ATP content then returns to normal. Puromycin in a concentration blocking proteins synthesis and egg cleavage does not affect the ATP content in sea urchin eggs. Orig. art. has: 6 figures, 1 formula, and 2 tables. [JPRS]

2

SUB CODE: 06, 07 / SUBM DATE: 16Feb65 / ORIG REF: 009 / OTH REF: 014

Card 2/2 FW

L 3902-66

ACCESSION NR: AP5023486

UR/0221/65/060/001/0003/0027

AUTHOR: Mil'man, L. S. (Moscow)

17
B

TITLE: ATP metabolism and its regulation in the animal cell

SOURCE: Uspekhi sovremennoy biologii, v. 60, no. 1, 1965, 3-27

TOPIC TAGS: biologic metabolism, adenosinetriphosphate, biochemistry, cytology, mitochondria, glycolysis

ABSTRACT: The author presents a review of the literature (the appended bibliography contains some 200 Soviet and non-Soviet references) on the processes that regulate the rate of ATP formation and on the processes that generate ATP in metabolism. The speed required for metabolism of ATP can be calculated either from the kinetics of cell respiration and the mean values of the P:O ratio or by the isotopic-kinetic method. The low time values obtained by the latter are inconsistent with the results derived from calculating the rate of ATP formation by other methods. A possible explanation of this inconsistency is that the cytoplasm, nucleus, and mitochondria contain relatively independent reserves of ATP with different metabolic rates. The author then analyzes some modern views on self-regula-

Card 1/2

L 3902-66

ACCESSION NR: AP5023486

tion of the processes of ATP formation in the cytoplasm and mitochondria, chiefly, the relationship between the oxidative system of the mitochondria and glycolysis in the cytoplasm. Orig. art. has: 2 figures.

ASSOCIATION: Institut morfologii zhivotnykh im. A. N. Severtsova AN SSSR (Institute of Animal Morphology, AN SSSR)

SUBMITTED: 00

ENCL: 00

SUB CODE: LS

NO REF SOV: 037

OTHER: 137

Beh
Card 2/2

YUROVITSKIY, Yu.G.; MIL'MAN, L.S.

Study of glycolysis-limiting factors in the embryos of Teleostei.
Dokl. AN SSSR 163 no.3:781-783 J1 '65. (MIRA 18:7)

1. Institut morfologii zhivotnykh im. A.N.Severtsova AN SSSR. Submitted October 15, 1964.

MIL'MAN, Leonid Yakovlevich; FRIDMAN, A.P., red.; KHARASH, G.A.,
tekh. red.

[Clinical aspects and treatment of impotence; sexual
neuroses] Klinika i lechenie impotentsii; seksual'nye nevrozy.
Leningrad, Medgis, 1960. 134 p. (MIRA 15:1)
(IMPOTENCE)

MIL'MAN, Leonid Yakovlevich; ROZHDESTVENSKIY, V.I., red.; FRIDMAN,
A.M., red.

[Impotence; etiology, prevention and treatment] Impotentsiia;
etiologiya, profilaktika i lechenie. Izd.2., perer. i dop.
Leningrad, Meditsina, 1965. 222 p. (MIRA 18:3)

L 4207-66 EWT(m)

ACCESSION NR: AP5014068

UR/0241/65/000/005/0066/0071
616.69-008.1-02 : 616-001.28

AUTHOR: Mil'man, L. Ya.; Mil'man, N. Ya.

TITLE: Effect of ionizing radiation on male sexual function

SOURCE: Meditsinskaya radiologiya, no. 5, 1965, 66-71

TOPIC TAGS: ionizing radiation, radiation injury, physiology, radiotherapy

ABSTRACT: From a study of the case histories of 6500 patients treated at their clinic, interrogation of 174 radiologists, 20 patients who received radium therapy, and a review of the literature, the authors concluded that low doses of direct irradiation of the gonads do not impair sexual activity; in fact, they sometimes intensify it. However, the large doses used in radiotherapy can alter the glandular tissue of the testes and injure Leydig's cells, resulting in atrophy of the prostate, other incretory changes, and ultimately impotence. Impairment of male sexual activity (decreased libido, erection, ejaculation, orgasm) that may be associated with chronic whole-body irradiation is not necessarily due to the direct effect of ionizing radiation. It may be one of the frequent symptoms of the asthenic syndrome

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L 4207-66

ACCESSION NR: AP5014068

accompanying certain diseases. Since various endocrine glands play a major role in regulating sexual activity, impotence may result from dysfunction of these glands caused by ionizing radiation. Male sexual function impaired either by direct or indirect exposure to sources of ionizing radiation may be restored by eliminating the cause through the use of various drugs, hormones, prostate massage, psychotherapy, and treatment of the symptoms of the asthenic syndrome.

ASSOCIATION: Poliklinika No. 1 i Tsentral'nyy nauchno-issledovatel'skiy rentgeno-radiologicheskii institut Ministerstva zdravookhraneniya SSSR, Leningrad (Polyclinic No. 1 and Central Research Institute of Radiology, Ministry of Health, SSSR)

SUBMITTED: 020ct64

ENCL: 00

SUB CODE: LS

NO REF SOV: 019

OTHER: 000

Card 2/2

DP

MIL'MAN, M. M.

PA 2GT102

USSR/telegraphy

Sep 1947

Communications

"Undertakings of Vasil' Matrosov," M. M. Mil'man,
Director of the Kiev Telegraph, 5 pp

"Vestnik Svyazi, Elektro-Svyaz'" Vol VII, No 9 (90)

Discusses work of establishing the Stakhanovite
method of work at the Kiev Telegraph. Contains some
data on communications conditions at Kiev.

207102

MIL'MAN, M. M.

PA 20/49T34

USSR/Electricity
Telegraphy
Telegraph Equipment

Oct 48

"Telegraphers Study Supplementary Trades," M. M.
Mil'man, Dir, Cen Teleg USSR, $\frac{1}{2}$ p

"Vest Svyazi - Elektrosvyaz'" No 10

Describes recent developments at Kiev telegraph
office, where 221 operators are learning to use
apparatus other than their own. At same time 228
nonoperators are studying Bodo, 61, the T-15, and
26, the ST-35.

20/49T34

SAMSONOV, P.F., prof.; MIL'MAN, M.Sh.

Bacteriological diagnosis of Perez bacilli and related bacteria
in otorhinolaryngology. Vest.otorin. 21 no.3:63-68 My-Je
'59. (MIRA 12:9)

1. Iz kafedry bolezney ukha, gorla i nosa (zav. - prof.I.Yu.
Laskov) i kafedry mikrobiologii (zav. - prof.P.F.Samsonov)
Tashkentskogo meditsinskogo instituta.

(RHINITIS, ATROPHIC, etiol. & pathogen.

Coccobacillus foetidus ozaenae Perez, bacteriol.
diag. (Rus))

MIL'MAN, M.Sh.

Microflora of the nose in atrophic rhinitis. Med. zhur.
Uzb. no.5:73-75 My '60. (MIRA 15:3)

1. Iz kafedry bolezney ukha, gorla i nosa (zav. - prof. I.Yu. Laskov) i kafedry mikrobiologii (zav. - prof. P.F. Samsanov) Tashkentskogo gosudarstvennogo meditsinskogo instituta.

(NOSE--DISEASES)
(NOSE--MICROBIOLOGY)

LASKOV, I.Yu., prof.; BUSSEL', L.G., assistant; MIL'MAN, M.Sh.

Use of some antibiotics and sulfanilamide preparations in
practical otorhinolaryngology. Med. zhur. Uzb. no. 9:53-59
S '60. (MIRA 13:10)

1. Iz kliniki bolezney ukha, gorla i nosa Tashkentskogo
gosudarstvennogo meditsinskogo instituta.
(ANTIBIOTICS) (SULFONAMIDES) (OTOLARYNGOLOGY)
(BACTERIA, EFFECT OF DRUGS ON)

MIL'MAN, M.Sh.

Lysozyme in nasal secretions and its significance in atrophic
rhinitis. Vest. otorin. 22 no.4:50-54 Ja-Ag '60. (MIRA 13:12)
(LYSOZYME) (NOSE-DISEASES)

MIL'MAN, M. Sh., Cand Med Sci -- "^{and}Clinical bacteriological
study ^{is on} ~~as~~ the ^{problem of the} pathogenic ~~problem~~ of atrophic rhinitis."
Alma-Ata, 1961. (Kazakh State Med Inst) (KL, 8-61, 263)

NIKOLAYEV, A.I.; MIL'MAN, M.Sh.; MORZOVA, G.A.

Changes in the immunological specificity of tissue proteins in white mice under the effect of penicillin. Antibiotiki 10 no.6:547-550 Je '65.
(MIRA 18:7)

1. Nauchno-issledovatel'skiy institut rentgenologii, radiologii i onkologii Ministerstva zdravookhraneniya Uzbekskoy SSR, Tashkent.

MIL'MAN, N. Ya. and LINDENBRATEN, D. S.

"The Preparation of Special Capsules for the Introduction of Drugs Into the Small Intestine of Humans," Vrachebnoye Delo, No. 5, pp 455-456, 1952.

MIL'MAN, N.Ya.; DYUBINA, T.D.

Report on the activity of the Scientific Medical Society of
Roentgenologists and Radiologists of the Moldavian S.S.R. for
1952-1953. Vest. rent. i rad. no.6:89 N-D '54. (MLRA 8:1)
(MOLDAVIA--RADIOGRAPHY--SOCIETIES)

MIL'MAN, N.Ya., kandidat meditsinskikh nauk; FURMAN, M.Kh., subordinator

Case of calcified atypical papilloma of the vascular plexus of the
brain. Vest.rent.i rad. no.1:88-89 Ja-P '55. (MLRA 8:5)

1. Is rentgenovskogo tsentra (zav. kandidat meditsinskikh nauk
N.Ya.Mil'man) Respublikanskoy klinicheskoy bol'nitsy (glavnyy vrach
M.G.Zagaraskikh), Kishinev.

(BRAIN, neoplasms,

papilloma, atypical calcified of vasc. plexus)

(PAPILLOMA,

brain, atypical calcified of vasc. plexus)

MIL'MAN, N.Ya., kandidat meditsinskikh nauk; TSUKASOV, I.A.

Rare congenital monstrosity. Akush. i gin. 33 no.2:110-111
Mr-Apr '57. (MIRA 10:6)

1. Iz respublikanskogo rentgentsentra (sav. L.Ye.Kishinevskiy)
i Faleshtskoy rayonnoy bol'nitsy Moldavskoy SSR (glavnyy vrach
I.A.TSukasov.
(MONSTERS)

MIL'MAN N. Ya.

GRINBERG, I.M.; MIL'MAN, N.Ya., kand.med.nauk

Calcification of the gall bladder; "porcelain gall bladder." Vest.
rent. i rad. 33 no.2:91-92 Mr-Ap '58. (MIRA 11:6)

1. Iz 2-y gorodskoy bol'nitsy (glavnyy vrach L.Kh.Penskiy) i
Respublikanskoy klinicheskoy bol'nitsy (glavnyy vrach N.A.Testemi-
teanu), Kishinov.

(GALL BLADDER, dis.
calcification (Rus))

MIL'MAN, N.Ya. kand.med.nauk, KOPERKO, F.F.

A case of calcified echinococcus. Vest.rent. 1 rnd. 33 no.4:78-79
Jl-Ag '58 (MIRA 11:8)

1. Is rentgenotsentra (zav. L.Ye. Kishinevskiy) Respublikanskoy klini-
cheskoy bol'nitsy (glavnyy vrach N.A. Testemitsanu), Kishinev.
(KIDNEY DISEASES, case reports
calcified echinococcosis (Rus))
(ECHINOCOCCOSIS, case reports
calcified, of kidneys (Rus))

MIL'MAN, N.; KHONELIDZE, G.

Republic conference of Moldavian oncologists, roentgenologists, and radiologists. Zdravookhraneniye 2 no.5:3 of cover S-0 '59.

(MIRA 13:4)

1. Glavnyy rentgenolog i radiolog Ministerstva zdravookhraneniya Moldavskoy SSR (for Mil'man). 2. Glavnyy vrach Respublikanskogo onkodispensera (for Khonelidze).

(MOLDAVIA--ONCOLOGY)

MIL'MAN, N.Ya.

Some characteristics of the course and healing of bone fractures
in elderly and senile persons in X-ray representation. Trudy
Kish.gos.med.inst. 12:87-92 '60. (MIRA 16:4)

1. Kafedra gospi'tal'noy khirurgii i kafedra rentgenologii i
radiologii.

(GERIATRICS)

(FRACTURES)

MIL'MAN, N.Ya.

Development and tasks of the medical radiological service in
the Moldavian S.S.R. Zdravookhranenie 4 no. 1:11-14 Ja-F '61.
(MIRA 14:2)

1. Glavnyy radiolog i rentgenolog Ministerstva zdravookhraneniya
Moldavskoy SSR.
(MOLDAVIA—RADIOLOGY, MEDICAL)

MIL'MAN, N.Ya., kand. med. nauk; KISHINEVSKIY, I.Ye.

Experience in training physicians in roentgenology for rural district hospitals. Vesta. rent. i rad. 38 no.3:81-83 My-Je '63.
(MIRA 17:7)

1. Glavnyy rentgenolog Ministerstva zdravookhraneniya Moldavskoy SSR (for Mil'man). 2. Zaveduyushchiy rentgeno-radiologicheskim tsentrom Respublikanskoy klinicheskoy bol'nitsy (for Kishinevskiy).

VOROB'YEV, Ye.I.; MIL'MAN, N.Ya.

Results of improving the qualifications of roentgenologists
and radiologists in Leningrad. *Ved. rad.* 10 no.4:82-84 Ap '65.

(MIRA 18:7)

1. Tsentral'nyy nauchno-issledovatel'skiy rentgeno-radiologicheskiy
institut Ministerstva zdравookhraneniya SSSR, Leningrad.

VOMBYEV, Ya. I.; MALIMEN, N. Ya.; LYALIN, Ya. A.; STRASHININ, A. I.; PETROSYAN,
Yu. S.

Brief news. Med. rad. 13 no. 3:20-25 Apr '65.

(MIRA 13:6)

L 4207-66 EWT(m)

ACCESSION NR: AP5014068

UR/0241/65/000/005/0066/0071
616.69-008.1-02 : 616-001.28

AUTHOR: Mil'man, L. Ya.; Mil'man, N. Ya.

TITLE: Effect of ionizing radiation on male sexual function

SOURCE: Meditinskaya radiologiya, ¹⁰¹⁹no. 5, 1965, 66-71

TOPIC TAGS: ionizing radiation, radiation injury, physiology, radiotherapy

ABSTRACT: From a study of the case histories of 6500 patients treated at their clinic, interrogation of 174 radiologists, 20 patients who received radium therapy, and a review of the literature, the authors concluded that low doses of direct irradiation of the gonads do not impair sexual activity; in fact, they sometimes intensify it. However, the large doses used in radiotherapy can alter the glandular tissue of the testes and injure Leydig's cells, resulting in atrophy of the prostate, other incretory changes, and ultimately impotence. Impairment of male sexual activity (decreased libido, erection, ejaculation, orgasm) that may be associated with chronic whole-body irradiation is not necessarily due to the direct effect of ionizing radiation. It may be one of the frequent symptoms of the asthenic syndrome

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L 14207-66
ACCESSION NR: AP5014068

accompanying certain diseases. Since various endocrine glands play a major role in regulating sexual activity, impotence may result from dysfunction of these glands caused by ionizing radiation. Male sexual function impaired either by direct or indirect exposure to sources of ionizing radiation may be restored by eliminating the cause through the use of various drugs, hormones, prostate massage, psychotherapy, and treatment of the symptoms of the asthenic syndrome.

ASSOCIATION: Poliklinika No. 1 i Tsentral'nyy nauchno-issledovatel'skiy rentgeno-radiologicheskiy institut Ministerstva zdravookhraneniya SSSR, Leningrad
(Polyclinic No. 1 and Central Research Institute of Radiology, Ministry of Health, SSSR)

SUBMITTED: 020ct64

ENCL: 00

SUB CODE: LS

NO REF SOV: 019

OTHER: 000

Card 2/2 DP

L 23782-66 F I (a)

ACC NR: AP6015185

SOURCE CODE: UR/0241/65/010/003/0090/0092

AUTHOR: Vorob'yev, Ye. I.; Mil'man, H. Ya.; Lyalin, Ye. A.

ORG: none

TITLE: Clinical and experimental investigations in the field of radiation therapy

SOURCE: Meditsinskaya radiologiya, v. 10, no. 3, 1965, 90-92

TOPIC TAGS: rat, tumor, radiology, radiotherapy, chemotherapy, bremsstrahlung, radiation biologic effect, medical conference, x ray irradiation, bone marrow, radiation dosimetry

ABSTRACT: A scientific session that dealt with olinical and experimental problems pertaining to radiation therapy was held on 1-3 Jun 1964 at the Central Scientific Research Roentgeno-Radiological Institute of the Ministry of Health USSR at Leningrad.

Among the reports presented, one by A. S. Morozov contained data indicating that combined treatment of Pliss lymphosarcomas of rats with sarcolysin and local irradiation was more effective than chemotherapeutic or radiation treatment alone. The same conclusion was arrived at by Ye. I. Orlova with respect to treatment of experimental lymphosarcomas of rats with ribonuclease and by applying local X-ray irradiation. The biological effects of bremsstrahlung of 25 mev were discussed by V. I. Gordon. Prof. L. V. Funshteyn and E. I. Shcherban' found that Fe accumulated in various tissues and organs in amounts depending on the radiation dose applied in the treatment of malignant tumors. The Card 1/2

UFG: 615.849-07(063)

L 23782-66

ACC NR: AP6015185

luminescence of the blood also changed in a regular manner with the dose of radiation. It was proposed that data on the accumulation of Fe and the luminescence of the blood be used in evaluating the effectiveness of radiation therapy. According to a report by G. Ye. Reznik, inhalation of O₂ alleviated some harmful effects produced by radiation in connection with the radiation therapy of lung cancer. Several reports were presented on the autotransplantation of bone marrow from a bone shielded during irradiation. This method was applied both experimentally and in clinical work and found effective in the prophylaxis and therapy of radiation injuries to the blood-forming system. L. A. Mel'nikov, A. V. Kantin, and A. I. Starshinin reported on application of Au¹⁹⁸ in the treatment of cancers of the breast and of the tongue. A considerable amount of time at the session was devoted to problems of clinical dosimetry. Dosimetry in connection with the application of solutions containing Au¹⁹⁸ and P³² was discussed. A. A. Gabelov and L. M. Stukova presented a report on some clinical dosimetry prerequisites for the use of a linear accelerator in the treatment of cancer of the cervix. After the scientific session a colloquium on physical fundamentals of clinical dosimetry was held on 3-6 Jun 1964. [JPRS]

SUB CODE: 06 / SUBM DATE: none

Card 2/2

MIL'MAN, S.D., inzh., red.

[Supplements to part 10 of the Manual on consolidated indices of the cost of design and research work: electric and wind power plants, boilers. Approved by the State Committee on Construction of the Council of Ministers of the U.S.S.R. in 1961] Dopolneniia k chasti 10 Spravochnika ukрупnennykh pokazatelei stoimosti proektnykh i izyskatel'nykh rabot: elektricheskie i vozdukhoduvnye stantsii, kotel'nye. U'verzhdeno Gosudarstvennym komitetom Soveta Ministrov SSSR po delam stroitel'stva, 1961 g. Moskva, Gosstroizdat, 1961. 14 p. (MIRA 17:9)

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1. Iz sel'skogo vrachebnogo uchastka s. Kopanka (zav. sel'skim vrachebnym uchastkom - Sh.I.Mil'man) i orgmetodotdela Moldavskogo nauchno-issledovatel'skogo instituta tuberkuleza (direktor - kand. med.nauk V.G.Sokol).

(KOPANKA (BENDERY DISTRICT --TUBERCULOSIS--PREVENTION)