

L 27122-66

ACC NR: AP6016865

Orig. art. has: 1 figure, 24 formulas and 2 tables. [JPRS]

SUB CODE: 13, 09 / SUBM DATE: 27Apr65 / ORIG REF: 003

Card *h*

L 06223-67 EWT(d)/EWT(m)/EWP(w)/EWP(t)/ETI IJP(c) JD/EM

ACC NR: AP6024189

SOURCE CODE: UR/0424/66/000/002/0044/0053

AUTHORS: Ambartsumyan, S. A. (Yerevan); Khachatryan, A. A. (Yerevan)

ORG: Institute of Mathematics and Mechanics, AN Armenian SSR (Institut matematiki i mekhaniki AN Armyanskoy SSR)

TITLE: Basic equations of the theory of elasticity for materials resisting both extension and compression

SOURCE: Inzhonorny zhurnal. Mekhanika tverdogo tela, no. 2, 1966, 44-53

TOPIC TAGS: elastic theory, Hookes Law, stress analysis, material deformation, material strength

ABSTRACT: An attempt is made to derive the basic equations and relationships of the theory of elasticity for materials resisting both extension and compression. It is noted that the modulus of elasticity may differ for the same material in compression and in tension and that the Poisson coefficients for each case may also differ. A Cartesian coordinate system is used to state the problem. For example, the stress equilibrium condition is given as

$$\begin{aligned} \sigma_{x,x} + \tau_{xy,y} + \tau_{xz,z} + X &= 0, & \tau_{xy} &= \tau_{yx} \\ \tau_{yx,x} + \sigma_{y,y} + \tau_{yz,z} + Y &= 0, & \tau_{xz} &= \tau_{zx} \\ \tau_{zx,x} + \tau_{zy,y} + \sigma_{z,z} + Z &= 0, & \tau_{yz} &= \tau_{zy} \end{aligned}$$

Card 1/2

ACC NR: AP6024189

where σ_i, τ_{ik} are normal and tangential stresses, and X, Y, Z are global force components. Cyclic permutation of these equilibrium conditions allows the remaining conditions to be written in xyz. Additional equations are given in definition of deformation and geometric relationships. Hooke's Law is applied to the analysis of a volume element, and the deformation of the element is studied for the case of compressive principal stresses and for tensile tertiary stress. Deflections are analyzed in reference to a rotated coordinate system. The Lamé equations are derived, and the solution for these equations stems from consideration of the strain continuity leading to the Beltram relationships. An analytic expression for the shear modulus is found. The analysis is also extended to the case of a hollow cylinder in torsion. Orig. art. has: 65 equations and 2 figures.

SUB CODE: 11, 12, 20/ SUBM DATE: 09Dec65/ ORIG REF: 004

Card 2/2 LC

ACC NR: AP7002693

given in another form by using the Green and Castigliano formulas. It is also indicated how it is possible to prove the validity of the Clapeyron theorem, the Lagrange and Castigliano equations in variations for the discussed "bi-modular" materials. Orig. art. has: 29 formulas.

SUB CODE: 20/ SUBM DATE: 27Jun66/ ORIG REF: 004/
ATD PRESS: 5113

Card 2/2

BAKCHYAN, E.S., dotsent; KHACHATRIAN, A.A., kand. med. nauk

Echinococcosis of the biliary tract. Sov. med. 47 no.11:
134-137 N '63 (ISSN 18:1)

1. Iz gosptal'noy khirurgicheskoy kliniki (sov. - nasluchennyy
deyatel' nauki prof. I.Kh.Gevorkyan) Terovskogo meditsinskogo
instituta.

KHACHATRYAN, A.A., kand. med. nauk

So-called pricholedochal lymphadenitis. Azerb. med. zhur. 41
no.2:37-42 F '64 (MIRA 18:1)

1. Iz kafedry gospital'noy khirurgii (zav. - chlen-korrespondent
AN Armyanskoy SSR, zasluzhennyy deyatel' nauki, prof. I. Kh.
Gevorkyan) Yerevanskogo meditsinskogo instituta (rektor - dotsent
S.S. Oganesyan).

KHACHATRYAN, A. B.

27293: KHACHATRYAN, A. B. Infektsionnyy ostryye Hepatit kozlyat. Veterin Ariya, 1949,
No. 2, s. 33-34.

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

Translation "Infections Acute Hepatitis of Young Goats,"
Armenian Sci. Res. Vet. Inst.

USSR/Diseases of Farm Animals. Diseases Caused by Bacteria and Fungi R-1

Abs Jour : Ref Zhur - Biol., No 7, 1958, No 31085

Author : Ayrapetyan, V.G., Khachatryan A. ^B

Inst : -

Title : On the Diagnosis of Experimental Tularemia of Sheep Intra Vitam

Orig Pub : Veterinariya, 1956, ³³ No 11, 34-38

Abstract : Experiments showed that the mechanical application of the methods of intravital diagnosis of tularemia in man, to farm animals, is unfounded. The agglutination titer of the sheep serum increased sharply during the first days following infection with tularemia, and attained up to 1:1,600 elimination of the bacteria of tularemia (BT) from the organism of sheep, the agglutination titer of serum decreases, beginning with 15th-30th day following the infection. The titer over 1:200 with simultaneous rapid onset (0.5 min.) of blood-drop agglutination reaction points out the presence of BT in the organism. The combination of both techniques for effecting

Card : 1/2

Armenian Sci Res. Vet Inst.

USSR/Diseases of Farm Animals. Diseases Caused by Viruses and Rickettsiae. R-1

Abs Jour : Ref Zhur-Biol., No 20, 1958, 92699

Author : Ayrapetyan, V. G., ~~Khachatryan, A. B.~~

Inst : Armenian Scientific Research Institute for Animal Husbandry and Veterinary Science.

Title : Concentrated Erythrocyte-Glycerin Vaccine for Intracutaneous Vaccination of Swine Against Plague.

Orig Pub : Byul. nauchno-tekhn. inform. Arm. n.-i. in-ta zhivotnovodstva i veterinarii, 1957, No 1, 52-56

Abstract : The vaccine is prepared from the blood erythrocytes of animals having plague without preliminary lysis in distilled water. The

Card : 1/3

EXCERPTA MEDICA Sec 17 Vol 5/2 Public Health Feb 59

427. DURATION OF PRESERVATION OF INFECTIVE AGENT OF TULARAEMIA IN FROZEN CARCASSES (Russian text) - Ahrapetyan V. G., Khachatryan A. B. and Pogosyan A. A. Erevan - ZH. MIKROB. EPID. I IMMUNOBIOLOG. 1957, 6 (21-25) Tables 2

Sheep were infected s.c. with Bact. tularensis. Twelve hours after injection the temperature rose to 42°C.; on the 2nd-3rd day the superficial lymph nodes enlarged. On the 10th day the symptoms disappeared. Sheep were destroyed on the 7th, 12th, 13th, 30th day and 2, 3, 4 and 5 months after infection and blood, lymph nodes, liver, spleen, lung, kidney, muscle and skin were injected s.c. into white mice. Every carcass was separately preserved in a cold storage. Once in 15 days samples were taken from carcasses and injected into mice. It was established that on the 7th day after infection nearly all organs of the sheep were infectious, but subsequently the bacteria disappeared. In the frozen carcasses Bact. tularensis were found in muscles for 60-75 days, in the organs up to 120 days and in the skin for 15 days.

Chakhava - Moscow (IV, 17)

AYRAPTYAN, V.G.; KHACHATRYAN, A.B.

Spreading of the tularemia microbe in the organism of the sheep. Izv. AN
Arm. SSR. Biol. i sel'khoz. nauki 10 no.10:99-102 0 '57.

(MIRA 10:12)

1. Institut zhivotnovodstva i veterinarii Ministerstva sel'skogo khozyaystva
ArmSSR.

(Sheep—Diseases and pests) (Tularemia)

AYRAPETYAN, V.G.; KHACHATRYAN, A.B.; POGOSYAN, A.A.

Prolonged survival of *Pasteurella tularensis* in frozen carcass.
Zhur.mikrobiol.epid. i immun. 28 no.6:21-25 Je '57. (MIRA 10:10)

1. Iz Armyanskogo nauchno-issledovatel'skogo veterinarnogo
instituta.

(PASTEURELLA TULARENSIS,

survival in frozen meat (Rus))

(MEAT, microbiology,

Pasteurella tularensis, survival after freezing (Rus))

AYRAPETYAN, V.G.; KHACHATRYAN, A.B.

Susceptibility of baby rabbits to the virus of swine plague.
Vop. virus 5 no.4:484-487 Je-Ag '60. (MIRA 14:1)

1. Armyanskiy nauchno-issledovatel'skiy institut zivotnovodstva
i veterinarii, Yerevan.
(SWINE PLAGUE)

AYRAPETYAN, V.G., doktor veterinarnykh nauk; KHACHATRYAN, A.B., kand.-
veterinarnykh nauk; MARTIROSYAN, G.G., starshiy laborant

Studying virus vaccine against chicken cholera from B₁ strain
for mass immunization of chicken. Trudy Arm. nauch.-issl. inst.-
zhiv. i vet. 4:239-245 '60. (MIRA 15:5)
(Chicken cholera) (Immunity)

AYRAPETYAN, V.G., prof.; KHACHATRYAN, A.B., kand. veterin. nauk;
BOYADZHANYAN, G.K., kand. veterin. nauk

Characteristics of the virus of hog cholera grown in tissue
cultures. Veterinariia 40 no.10:29-30 0'63. (MIRA 17:5)

1. Armyanskiy nauchno-issledovatel'skiy institut zhivotnovodstva
i veterinarii.

AYRAFETYAN, V.G.; KHACHATYAN, A.B.; POGOSYAN, A.A.

Biological properties of some viruses cultivated in tissue
culture. Izv. AN Arm. SSR. Biol. nauki 17 no.5:39-50 My '64.
(MIRA 17:9)

KHACHATRYAN, A.B.; POGOSYAN, A.A.; MARTIROSYAN, G.G.

Immunobiological characteristics of the virus of Newcastle disease
grown in tissue culture. Veterinaria 41 no.4:25-27 Ap '65.
(MIRA 18:6)

1. Armyskiy nauchno-issledovatel'skiy institut zhivotnovodstva i
veterinarii.

KHACHATRYAN, A. G.

Struyenaravlyayushchiye sistemy (Flow regulator systems, by) V. A. Shauryan i
A. G. Khachatryan. Moskva, Sel'khozgiz, 1953. 127 p. illus., diags., tables.

SO: N/5
623.32
.55

К И Д С И Н Т Р И А В, А. 6

... size of transported substances ...

Name: KHACHATRYAN, Aram Gevorkovich

Dissertation: Regular pattern of alluvial movement
and methods of designing settling
tanks for irrigation systems

Degree: Doc Tech Sci

Affiliation: [not indicated]

Defense Date, Place: 13 Dec 55, Council of the Sci Res
Inst of Hydraulic Engineering and
Improvement

Certification Date: 26 May 56

Source: BMVO 4/57

12

KHACHATRYAN, A. G. Dr. Eng.

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721620015-7"

"Carrying Power of a Flow and the Dynamics of Silt Sedimentation in a
Settling Basin," paper presented at the Third International Congress on Irrigation
and Drainage, San Francisco, 29 April-May 1957

C-3,800,020

KHACHATRYAN, Aram Gevorkovich, doktor tekhn.nauk; ORLOVA, V.P., red.;
PEVZNER, G.I., tekhn.red.; ZUBRILINA, Z.P., tekhn.red.

[Sedimentation tanks in irrigation systems] Otstoiniki na orositel'-
nykh sistemakh. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1957. 341 p.
(Sedimentation and deposition) (MIRA 11:4)
(Irrigation canals and flumes)

KHACHATRYAN, A.G., doktor tekhn.nauk

Transporting capacity of streams and sedimentation dynamics of
settling tanks. Trudy VNIIGIM 32:141-152 '59.

(MIRA 13:8)

(Irrigation canals and flumes)

KHACHATRYAN, A.G., doktor tekhn.nauk; ABAL'YANTS, S.Kh., prof. (g.Tashkent);
NURIYEV, Ch.G., inzh. (g.Baku)

Calculating the sedimentation in irrigation settling basins;
concerning F.Sh.Mukhamedzhanov's article. Gidr. i mel. 16
no.3:57-62 Mr '64. (MIRA 17:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrotekhniki i
melioratsii im. Kostyakova (for Khachatryan).

GABRIYELYAN, G.K.; KHACHATRYAN, A.G.

Showers in the Ararat Plain as a factor in the formation of
mudflows. Izv. AN Arm. SSR. Nauki o zem. 7 no.1:35-40 '64.
(MIRA 17:6)

1. Yerevanskiy gosudarstvennyy universitet i Upravleniye
gidrometeorologicheskoy sluzhby pri Sovete Ministrov
Armyanskoy SSR.

L 27990-66 EWP(k)/EWT(m)/T/EWP(e)/EWP(w)/EWP(t)/ETI IJP(c) JD

ACC NR: AR6005800

SOURCE CODE: UR/0137/65/000/010/G036/G036

AUTHOR: Khachatryan, A. G.

32
B

TITLE: Production methods and physical and mechanical properties of copper powder

16

SOURCE: Ref. zh. Metallurgiya, Abs. 10G254

REF SOURCE: Sb. Poroshk. metallurgiya i metalloobrabotka. Yerevan, 1965, 154-163

TOPIC TAGS: metal powder, copper, copper powder, powder metal production, powder metal property

ABSTRACT: Characteristics are given of the basic industrial methods for obtaining Cu powders (grinding in vortex mills, pulverization, reduction of oxides, electrolysis, and hydrogen reduction of ammonia solutions). Physical and chemical properties of Cu powders, technological processes for obtaining the products, and certain of their properties are briefly described. Bibliography of 8 titles. A. Epik. [Translation of abstract]

[NT]

SUB CODE: 11/

SUBM DATE: none/

Card 1/1 *CE*

UDC: 669.3-492:621.762

2

KHACHATRYAN, A. L.

Cand Agr Sci - (diss) "Use of calcium fertilizers in vineyards of the Araratskaya Plain." Yerevan, 1961. 23 pp; (Committee of the Council of Ministers Armenian SSR for Higher and Secondary Specialist Education, Armenian Agr Inst); 150 copies; price not given; list of author's works at end of text (10 entries); (KL, 7-61 sup, 253)

GAMBARYAN, G.S., kand.sel'skokhoz.nauk; KHACHATRYAN, A.L., nauchnyy sotrudnik

Foliar nutrition and grapevine diseases. Zhashch.rast.ot vred. i bol.
4 no.4:28 J1-Ag '59.

(MIRA 16:5)

(Armenia-Grapes-Disease and pest resistance)
(Plants-Nutrition)

KHACHATRYAN, A.L.; KHIZANTSIAN, S.M.

Effect of potash fertilizers on the quality of raisins. Kons. i
ov.prom. 18 no.9:22-23 S '63. (MIRA 16:9)

1. Armyanskiy nauchno-issledovatel'skiy institut vinogradarstva,
vinodeliya i plodovodstva.
(Raisins) (Grapes--Fertilizers and manures)

KHACHATRYAN, A.L.; AZIZYAN, L.G.

Effect of potassium fertilizers on the crop, quality and keeping
quality of grapes. Kons. i ov.prom. 19 no.1:29-31 Ja '64.

(MIRA 17:2)

1. Armyanskiy nauchno-issledovatel'skiy institut vinogradarstva, vi-
nodeliya i plodovodstva.

KHACHATRYAN, A. M.

34204. Zubovrachevaniye v Armenii po Amirdovlatu. [XV V.] Trudy sektora istorii arm. meditsiny i biologii (Akad. nauk Arm. SSR), No. 2, 1949, s. 193-200.-- Na arm. yaz.--Rezyume na rus. yaz.

SO: Knizhnaya Letopis' No. 6, 1955

KNACONAIRYAN, H.M.

PAGE I BOOK EXCERPTION 80M/A292

Theoretical and experimental observations
Tudy, 1979, 11 (Transactions of the Central Aerological Observatory, No. 11)
Moscow, 1979. 91 p. 650 copies printed.

Additional Sponsoring Agency: USSR, Otkrytoye upravleniye elektrotekhnologicheskoy
sluzhby.

Re: (Title page); S.M. Shumov; Ed. (Inside book); K.I. Borokhin;
Year. Ed.: S. V. Zverev.

NOTE: This publication is intended for aerologists and aircraft instrument
engineers.

COMMENT: This collection of 11 articles deals mainly with the problem of finding
the best method of measuring atmospheric turbulence from aircraft. A detailed
description of the aerological instruments used for this purpose is given.
Wind observation by means of radio Doppler is discussed. References accom-
pany individual articles.

Yimulobov, S.K., and G.K. Filip. Operating the Battery Spectrum of the
Stationary Random Process (second originally) 38

Zarubka, A.A. Electrical Integrator of d-Forces on a Constant Voltage
Multiplier With an Electrochemical Converter 50

Shur, G.P. Electrical Counter of d-Forces 51

Demilly, A.G., and A.A. Chumakov. Investigation of Turbulence
in Cloud by Radar 61

Pytkovskiy, I.M., S.M. Spector, and G.K. Shur. Improved Airborne
Electromechanical 67

Andronov, L.N. Effect of the Turbulence of Temperature Perturbations of
Aerological Instruments Upon the Results of the Investigation of
Inversion Layers 71

Parfomov, Yu. F., and G.P. Dushkagina. Some Data on the Structure
of Atmospheric Turbulence Causing Aircraft Sinking 79

Jaferov, J.I., and A.K. Chokhomaev. Accuracy of the Determination
of Wind Direction and Velocity at Different Altitudes by Means of
the "Mashin" Radio Theodolite 89

20/Gen/Jan
10-33-60 (2)

Card 1/1

YEFIMOV, P.L.; KHACHATRYAN, A.M.

Accuracy of determining the direction and velocity of winds
at different altitudes by the "Malachita" radiotheodolite. Trudy
TSAO no.31:83-92 '59. (MIRA 12:9)
(Winds) (Radio meteorology) (Theodolites)

WELLS, A.R., (and for Sci-^{detts}) " ~~the~~ ^{the} ~~effects~~ ^{effects} of ~~seed~~ ^{seed} ~~treatment~~ ^{treatment} ~~upon~~ ^{upon} field and improve-
ment of quality of summer wheat seeds of the land's variety." ~~the~~ ^{the} ~~vol.~~ ^{vol.}, 1950.
Bull. (Agr. Expt. Sta. ~~Ill.~~ ^{Ill.}), 1950, (12, 31-5), 105

51

Khachatryan, A.S.

AID P - 627

Subject : USSR/Electricity
Card 1/1 Pub. 27 - 31/35
Author : Khachatryan, A. S. and several others
Title : Professor A. Ya. Ter-Khachaturov. To His 70th Birthday
and 45 years of Engineering and Educational Activity.
(Current News).
Periodical : Elektrichestvo, 8, 90, Ag 1954
Abstract : A short biographical sketch and description of
scientific activity is given.
Institution : Not given
Submitted : No date

VAZHNOV, Aleksandr Nikolayevich; YEGIAZAROV, I.V., redaktor; KHACHATRYAN, A.S.,
redaktor izdatel'stva; KAPLANYAN, M.A., tekhnicheskiiy redaktor

[Multiannual mean flow of rivers of the Armenian S.S.R. and the annual
mean stream] Srednii mnogoletnii stok rek Armianskoi SSR i ego vnutri-
godovoe raspredelenie. Brevan, Izd-vo Akademii nauk Armianskoi SSR,
1956. 154 p. (MLBA 10:1)
(Armenia--Rivers)

DAR'YAN, Bagram Arsen'yevich; DAR'INYAN, G.S. otvetstvennyy redaktor;
ALLAKHVERD'YAN, G.O., otvetstvennyy redaktor; KHACHATRYAN, A.S.,
otvetstvennyy redaktor; AZIZBEKYAN, L.A. tekhnicheskiy redaktor

[Silk industry in Armenia; a brief account] Shelkovaia
promyshlennost' Armianskoi SSR; kratkii ocherk. Brevan, Izd-vo
Akad. nauk Armianskoi SSR, 1956. 162 p. (MLRA 10:5)
(Armenia--Silk Manufacture)

MARUJHYAN, A.O., prof., red.; KHACHATRYAN, A.S., red.; AZIZBEKYAN, L.A.,
tekh.red.

[Restoration of the national economy of the Armenian S.S.R.;
papers and documents for 1921-1928] Vosstanovlenie narodnogo
khoziaistva Armianskoi SSR; materialy i dokumenty za 1921-1928
gg. Pod red. A.O.Marukhian; Erevan, Izd-vo AN Armianskoi SSR,
1958. 511 p. (MIRA 12:2)

1. Armenian S.S.R. Glavnoye arkhivnoye upravleniye.
(Armenia--Economic conditions)

24(5)

SOV/56-35-5-37/56

AUTHORS:

Ter-Mikayelyan, M. L., Khachatryan, B. V.

TITLE:

On the Limits of Applicability of Target Parameters (O granitsakh primenimosti metoda pritsel'nykh parametrov)

PERIODICAL:

Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1958, Vol 35, Nr 5, pp 1287-1289 (USSR)

ABSTRACT:

When investigating radiation processes both the usual perturbation theory and the method of target parameters (pritsel'nyy parametr) are employed. H. Ueberall (Yuberall) (Ref 1) expressed the opinion that the method of target parameters furnishes results of insufficient accuracy. The authors of this paper compare the results obtained by this method. First, bremsstrahlung on an atom is investigated. For this purpose the bremsstrahlung cross section is written down according to Ueberall, and the corresponding cross section determined by the target parameter method is written down. The formula obtained by the method of target parameters agrees with the exact formula only in the range $q_1^2 \ll 1$. (The meaning of q_1 has apparently been defined in the aforementioned earlier paper by Ueberall). This corresponds to periods of time (pritsel'noye rasstoyaniye) which are greater

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SOV/56-35-5-37/56

On the Limits of Applicability of Target Parameters

than h/mc . An analogous investigation is possible also for the formation of pairs. The authors then deal with the radiation and formation of pairs in periodic structures. The formulae applying in this case differ from the corresponding formulae for a single atom by a factor which takes the interference phenomena in radiation and formation of pairs in an atomic chain into account. The analogous formulae can also easily be determined by the method of target parameters. Also in this case a factor is added to the formulae for a single atom. The authors of this paper express the opinion that the formulae derived by the target parameter method are in full agreement with those derived by Ueberall. A similar investigation can also be carried out for collisions between charged particles and the electrons of the atomic shell (ionization losses). There are 3 references, 2 of which are Soviet.

ASSOCIATION: Yerevanskiy gosudarstvennyy universitet
(Yerevan State University)

Card 2/3

KHACHATRYAN, B.V.

Radiation from an oscillator moving in an inhomogeneous medium.
Izv. vys. ucheb. zav.; radiofiz. 6 no.5:904-909 '63. (MIRA 16:12)

1. Yerevanskiy gosudarstvennyy universitet.

1974-65 EWT(1) ESD(gs)/BSD/ESD(t)/ASD(a)-5/AS(mp)-2/PPG(b)
ACCESSION NR: AP4049205 S/0022/64/017/009/0103/017

AUTHOR: Khachatryan, B. V.

TITLE: Radiation spectrum due to periodic motion in a periodically-
inhomogeneous medium 3

AN ArmSSR. Izvestiya. Seriya fiziko-matematicheskikh nauk,
v. 17, no. 5, 1964, 103-107

TOPIC TAGS: oscillator motion, emission spectrum, inhomogeneous
medium, periodic structure

ABSTRACT: In an earlier paper (Izvestiya vyssh. uch. zav., Radio-
fizika v. 6, 1963, 904) the author derived the spectrum for uniform
motion of an oscillator in a medium with a sinusoidally varying
permittivity constant. In this paper the calculations are repeated
for an arbitrarily periodic medium, starting from an expression given
by B. Ter-Mikayelyan (Izv. AN ArmSSR, ser. fiz.-mat. nauk v. 4,

Card 1/2

L 16348-65

ASSOCIATION NR: AP4049205

no. 2, 1961, 103) for the vector potential in an inhomogeneous medium. The final expression for the spectrum is similar to that obtained in the earlier paper, and the two spectra are identical when the direction of the oscillator is parallel to that of the periodicity of the inhomogeneity of the medium. "In conclusion, I thank B. M. Bolotovskiy and M. L. Ter-Mikayelyan for discussions." Orig. art. Nos: 14 formulas.

ASSOCIATION: Yerevanskiy gosudarstvennyy universitet (Yerevan State University)

SUBMITTED: 30Jan64

ENCL: 00

SUB CODE: EM

NR REF SOV: 005

OTHER: 000

Cord 2/2

S/0057/64/034/004/0637/0644

ACCESSION NR: AP4028951

AUTHOR: Khachatryan, B.V.

TITLE: Radiation of cylindrical electron bunches in an inhomogeneous medium

SOURCE: Zhurnal tekhnicheskoy fiziki, v.34, no.4, 1964, 637-644

TOPIC TAGS: electromagnetic waves, inhomogeneous medium radiation, bunched electron beam radiation

ABSTRACT: The radiation is calculated of a sequence of identical charged cylinders moving uniformly on the z axis of a rectangular coordinate system x y z in a medium in which the dielectric constant is a periodic function of z. The calculations were undertaken because of the possible application of a bunched electron beam in an inhomogeneous medium to microwave generation. The radiation is calculated twice: once in what the author calls a "quasiclassical approximation" in which the wavelength is assumed to be short compared with the period of variation of the dielectric constant and once by a perturbation method in which this condition need not be assumed. Abstracter's note: Both calculations of course are entirely classical. Both calculations start with a straightforward expansion of the current in a Fourier integral

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ACCESSION NR: AP4028951

in $z - vt$ (v is the velocity, and t is the time) and a Fourier-Bessel integral in the cylindrical coordinate $r = (x^2 + y^2)^{1/2}$. In each case an approximate solution of Maxwell's equations is written without explanation, and the reader is referred to a paper of M.L.Ter-Mikayelyan (Izv.AN Arm.SSR,Ser.fiz.-mat.nauk 14,103,1961). For the case of a single small moving charged cylinder, the formulas obtained for the intensity and distribution of the radiation reduce to those previously given by Ter-Mikayelyan (loc.cit.) for the radiation of a point charge. When there are many moving cylinders, the spectrum of the radiation is discrete. The frequencies radiated are harmonics of the frequency with which successive cylinders pass a fixed point in space, and the relative line widths are of the order of the reciprocal of the number of cylinders. The effect of random fluctuations of the lengths and separations of the cylinders is calculated. If the fluctuations are large, the line spectrum is smeared into a "thermal background". If the fluctuations are small, the lines are broadened asymmetrically. "In conclusion I express my gratitude to M.L. Ter-Mikayelyan for suggesting the problem and for his constant interest in the work, and to E.M.Laziyev for discussions." Orig.art.has: 48 formulas and 1 table.

Card 2/3

ACCESSION NR: AP4028951

ASSOCIATION: Yerevanskiy gosudarstvennyy universitet (Yerevan State University)

SUBMITTED: 20May63

DATE ACQ: 28Apr64

ENCL: 00

SUB CODE: PH

NR REF SOV: 004

OTHER: 000

3/3

Card

KHACHATRYAN, B.V.; ELBAYAN, S.S.

Radiation from a charge in an inhomogeneous medium. *Izv. AN Arm. SSR*,
Ser. fiz.-mat. nauk 17 no.5:127-129 '64. (MIRA 17:12)

1. Yerevanskiy gosudarstvennyy universitet i Fizicheskiy institut
Gosudarstvennogo komiteta po ispol'zovaniyu atomnoy energii SSSR.

.....
KRAMHATRYAN, B.V.

Mathematical proof of fast particles. Izv. AN Arm. SSR 40
(MIRA 18:7)
1965.

- 1. Ch"yedinennaya radiatsionnaya laboratoriya Yerevanskogo gosudarstvennogo universiteta i Akademii nauk ArmSSR.
 - 2. Korr. korr. korrespondent AN ArmSSR (for Ter-Mkayalyan).
- 1964 July 14, 1964.

.....
KRAMHATRYAN, B.V.

Mathematical proof of some diffraction relation formulae. Izv.
AN Arm. SSR. Ser.fiz.-mat. nauk 18 no.2:132-139 1965. (MIRA 18:6)

- 1. Ch"yedinennaya radiatsionnaya laboratoriya AN ArmSSR Yerevanskogo gosudarstvennogo universiteta.

YAKOSH, P. Ya.; KHACHATURYAN, E.A.

Interrelationship of ore and nonmetallic minerals in the Akhtala
and Shamlug deposits. Izv. AN Arm.SSR Nauki o zem. 17 no.6:29-36
'64 (MIRA 18:2)

1. Institut geologii Ural'skogo filiala AN SSSR i Institut
geologicheskikh nauk AN ArmSSR.

✓
~~BNACHATURYAN, R.A.~~

Altaite and petzite in ores of the Kafan deposit. Dokl. AN Arm.
SSR 26 no.3:177-180 '58. (MIRA 12:10)

1. Institut geologicheskikh nauk AN Armyanskoy SSR. Predstavleno
I.G. Magak'yanov.
(Kafan region--Altaite) (Kafan region--Petzite)

KHACHATRIAN, E.A.

State of the mucosa of upper respiratory paths in acute
experimental radiation sickness. Izv.AN Arm.SSR.Biol.
i sel'khoz.nauki 11 no.11:91-97 N '58. (MIRA 11:12)

1. Sektor radiobiologii AN ArmSSR.
(RADIATION SICKNESS) (MUCOUS MEMBRANE) (RESPIRATORY ORGANS)

SAGATELYAN, E.A.; KHACHATRYAN, E.A., otv. red.; VARTANESOVA, A.A.,
red. izd-va; SAROYAN, P.A., tekhn. red.

[Mineralogy of lead and antimony ores of the Azatek deposit in
the Armenian S.S.R.] Mineralogiia svintsovo-sur'mianykh rud
Azatekского mestorozhdeniia Armianskoi SSR. Erevan, Izd-vo
Akad. nauk Armianskoi SSR, 1961. 119 p. (MIRA 15:1)
(Azatek region (Armenian S.S.R.))--Lead ores)
(Azatek region (Armenian S.S.R.))--Antimony ores)

NASTEVICH, G.S.; KHACHATRYAN, F.

Sodium metasilicate. Tekst.prom. 20 no.8:82 Ag '60.
(Bleaching agents) (Sodium silicates) (MIRA 13:9)

VOROB'YEV, I.; KHACHATRYAN, G., inzhener.

Specialization of enterprises. Stroi. mat., idzel. 1 konstr. 2 no.
7:9-12 J1 '56. (MLRA 9:10)

1. Direktor Moskovskogo zavoda shlakoblokov No. 21 (for Vorob'yev).
(Moscow--Reinforced concrete construction)

KHACHATRIAN, G. A.

Khachatrian, G. A. and Kirakosyan, A. V. "Virus Diseases of Potatoes in Armenia," Izvestiia Akademii Nauk Armianskoi SSR, vol. 3, 1950, pp. 33-334.
20 Erl

SO: SIRA S. 19-53, 15 DEC 1953

KHACHATRYAN, G.A.

The stolbur wilt of potatoes in Armenia and its transmission by grafting. Izv.AN Arm.SSR.Biol.i sel'khoz.nauki. 3 no.12:1113-1120 '50.
(MLRA 9:8)

1. Institut fitopatologii i zoologii Akademii nauk Arm.SSR.
(Armenia--Potatoes--Diseases and pests)

1. KIRAKOSYAN, A.V., KOCHARYAN, T.P., KHACHATRYAN, G.A.

2. USSR (600)

7. "Virus Diseases of Sesame", Mikrobiolog. Sbornik Akad. Nauk Arm. SSR
(Micro-Biology Symposium of the Acad Sci Armenian SSR), No 5, 1950, pp 115-121.

9. Mikrobiologiya, Vol XXI, Issue 1, Moscow, Jan-F^{eb} 1952, pp 121-132, Unclassified.

21. A. Khachatryan, G.A.
GEVORGYAN, Ye.A.; KHACHATRYAN, G.A.

Effect of the location of the bolls on the plant on some quantitative and qualitative indexes of raw cotton [in Armenian with summary in Russian]. Izv.AN Arm. SSR. Biol. i sel'khoz. nauki 10 no.2:57-66 F '57. (MIRA 10:4)

(Cotton)

KHACHATRYAN, G.

Some problems in the development of the electric equipment industry in Armenia. Prom.Arm. 4 no.2:8-10 F '61. (MIRA 14:6)

1. Armyanskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta elektromekhaniki.
(Armenia--Electric industries)

KHACHATRYAN, G.

Potentialities for increasing labor productivity in the Armenian shoe industry. Prom.Arm. 4 no.5:27-30 My '60. (MIRA 14:8)

1. Upravleniye legkoy promyshlennosti Sovnarkhoza Armyanskoy SSR.
(Armenia—Shoe industry)

KHACHATRYAN, G.

Analysis of production and economic operations of the Shoe Factory
No.1. Prom.Arm. 4 no.8:15-20 Ag '61. (MIRA 14:8)

1. Normativno-issledovatel'skaya laboratoriya, Upravleniye legkoy
promyshlennosti Sovnarkhoza Armyanskoy SSR.
(Erivan--Shoe industry)

KHACHATRYAN, G.

New wage systems in the Armenian shoe industry. Prom.Arm. 5 no.5:52-
56 My '62. (MIRA 15:7)

1. Normativno-issledovatel'skaya laboratoriya Kambol'no-sukonnogo
kombinata Upravleniya legkoy promyshlennosti Sovnarkhoza Armyanskoy
SSR.

(Armenia--Wages--Shoe industry)

KHACHATRYAN, G., kand.ekonomicheskikh nauk

Specialization of the electric equipment industry in Armenia. Prom.-
Arm. 5 no.6:13-15 Je '62. (MIRA 15:7)

1. Armyanskiv filial Vsesoyuznogo nauchno-issledovatel'skogo instituta elektromekhaniki.
(Armenia--Electric equipment industry)

GULKANYAN, V.O.; KHACHATRYAN, G.G.

Similarity of the effect of low temperature and gibberellin
on plants. Izv. AN Arm. SSR. Biol. nauki 17 no.12:3-11 D '64.
(MIRA 18:3)

1. Nauchno-issledovatel'skiy institut zemledeliya Ministerstva
proizvodstva i zagotovok sel'skokhozyaystvennykh produktov
ArmSSR.

Country : USSR
Category: Cultivated Plants. Grains.

M

Abstr Jour: RZhBiol., No 22, 1958, No 100254

Author : ~~Khachatryan, G.G.~~
Inst : Armenian Sci. Res. Inst. of Agriculture
Title : Acceleration of the Emergence of Stigmas in
Corn.

Orig Pub: Byul. nauchno-tekhn. inform. Arm. n.-i. in-t
zomled., 1957, No 2, 14-15

Abstract: In plants with removed tassels, stigmas
appear 4-9 days earlier than in the control.
Stigmas of the ears, the first ones from
the top, appear 6-9 earlier than in the
control; in the second ears - 4-7 days earlier.

Card : 1/2

M-34

KHACHATRYAN, G.G.

Effect of the removal of panicles on the growth and develop-
ment of corn. Izv. AN Arm.SSR.Biol.nauki 19 no.10:35-42 0
'65. (MIRA 18:12)

OGANESYAN, A.K.; KHACHATRYAN, G.M.

Increase in the production of polyvinyl acetate emulsion. Prom.energ.
16 no.5:14 My '61. (MIRA 14:7)

(Vinyl acetate)

~~KHACHATRYAN, G. S.~~

Absorption of glucose and pyruvic acid by the brain and muscle tissues during food and conditioned food excitations and internal inhibition. Izv.AN Arm.SSR,Biol i sel'khoz.nauki 9 no.11:13-26 N'56. (MIRA 10:1)

1. Kafedra biokhimii Yerevanskego meditsinckogo instituta.
(GLUCOSE) (PYRUVIC ACID) (BRAIN) (MUSCLE)

KHACHATRYAN G. S.

KHACHATURYAN, G. S. Doc Cand Med Sci -- (dids) " Cortical regulation of the content of glucose and pyruvic acid ^{the} in blood during alimentary hyperglycemia." Yerevan, 1957. 41 pp 21 cm. (Yerevan State Medical Inst. Department of Biochemistry), 200 copies
(KL, 21-57, 107)

-122-

KHACHATRYAN, G.S.

USSR /Human and Animal Physiology. The Nervous System. T

Abs Jour: Ref Zhur-Biol., No 8, 1958, 36854.

Author : Khachatryan, G.S.

Inst :

Title : Absorption of Glucose and Pyruvic Acid by the Brain and Muscle Tissue and the Blood Flow Velocity in the Brain under Conditions of Alimentary, and Alimentary-Conditional Stimulation and Internal Inhibition.

Orig Pub: Jzv. AN Arm SSR, Biol. i s-kh. n. 1957, 10, No 6, 25-26.

Abstract: The velocity of the blood flow in the brain in dogs and the intensity of absorption by the brain and muscle tissue of glucose and pyruvic acid increased during alimentary (sugar feeding) alimentary-condi-

Card : 1/2

Chair Biochem, Yerevan Med Inst.

KHACHATRYAN, G. S. (USSR)

"Changes in Some Aspects of Carbohydrate Metabolism in the Brain
during its Various Functional States."

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

BUNYATYAN, G.Kh.; KHACHATRYAN, G.S.

Hexokinase activity and concentration of individual glycogen fractions in the brain tissue during conditioned alimentary hyperglycemia and conditioned inhibition. Vop. biokhim. 1:101-117 '60. (MIA 14:12)

1. Department of Biochemistry, Medical Institute, Erevan.
(GLYCOGEN) (BRAIN) (HEXOKINASE)

KHACHATRYAN, G.S.

Glucose and pyruvate absorption and lactate secretion by the brain after insulin and conditioned insulin stimulation and in amytal-induced sleep. Izv. AN Arm. SSR. Biol. nauki 15 no.5:51-62 My '62. (MIRA 17:6)

1. Kafedra biokhimi Yerevanskogo meditsinskogo instituta.

KHACHATRYAN, G.S., kand.med.nauk

Absorption of glucose, pyruvate and lactate by muscle tissue during insulin, conditioned insulin stimulation and amytal sleep. Trudy Erev.med.inst. no.11:49-58 '60. (MIRA 15:11)

1. Iz kafedry biokhimii (zav. kafedroy.. akademik AN Armyaskoy SSR G.Kh.Bunyatyan) Yerevanskogo meditsinskogo instituta.
(INSULIN) (AMDBARBITAL) (MUSCLE)
(ABSORPTION (PHYSIOLOGY)) (CONDITIONED RESPONSE)

KHACHATRYAN, G.S.

Changes in the activity of glucose-6-phosphate dehydrogenase and 6-phosphogluconic dehydrogenase in the brain in its various functional states. Vop.blokhim. 2:73-86 '61. (MIRA 15:12)

1. Department of Biochemistry, Medical Institute, Erevan.
(Glucose Phosphate dehydrogenase)
(Phosphogluconic dehydrogenase)
(Brain)

KHACHATRYAN, G.S.

Content of galactolipids in the brain of white rats in various functional states of the brain. Vop. med. khim. 8 no.3:260-263 My-Je '62. (MIRA 15:7)

1. Chair of Biochemistry, State Medical School, Erevan.
(BRAIN) (LIPIDS)

KHACHATRYAN, I.K.

School year has started in an organized manner. Tekst.prom.14
no.1:55 Ja '54. (MLRA 7:2)

1. Direktor Yerevanskogo tekhnikuma legkoy promyshlennosti.
(Textile schools)

KHACHATRYAN, I.O.

SUBJECT USSR/MATHEMATICS/Theory of functions CARD 1/2 PG -567
 AUTHOR CHACATRJAN I.O.
 TITLE On a parameter representation and some extremal properties of entire functions of several variables.
 PERIODICAL Izvestija Akad. Nauk Armjansk. SSR 9, 3-14 (1956) reviewed 2/1957

Let $f(z_1, z_2) = \sum_{n,m=0}^{\infty} \frac{a_{nm}}{n!m!} z_1^n z_2^m$ be an entire function. Let $M_f(r_1, r_2) =$

$= \max_{|z_1|=r_1} |f(z_1, z_2)|$. Let W_{σ_1, σ_2} be the class of those entire functions which

$|z_2|=r_2$
 satisfy the conditions 1. $M_f(r_1, r_2) < c \cdot e^{\sigma_1 r_1 + \sigma_2 r_2}$, $r_1 \geq 0$, $r_2 \geq 0$, c being

a constant depending on f , 2. $\int_{-\infty}^{+\infty} \int_{-\infty}^{+\infty} |f(x_1, x_2)|^2 dx_1 dx_2 < +\infty$.

Then the following theorem is valid: the class W_{σ_1, σ_2} is identical with the

~~KHACHATRYAN, I.O. CHACATRJAN, I.O.~~
 KHACHATRYAN, I.O.
 SUBJECT USSR/MATHEMATICS/Theory of approximations CARD 1/3 PG -672
 AUTHOR DZRBASJAN M.M., CHACATRJAN I.O.
 TITLE On the completeness of the function system $\{z^{\lambda_n}\}$ in the complex domain for a weighted quadratic approximation.
 PERIODICAL Doklady Akad.Nauk 110, 914-917 (1956)
 reviewed 4/1957

Let the sequence of positive numbers $\{\lambda_n\}$ satisfy the condition $\lambda_{n+1} - \lambda_n \geq h > 0$.
 Then for $r \rightarrow \infty$ holds (Malliavin, Acta Math. 93, 3-4 (1955)):

$$\lambda(r) \equiv 2 \sum_{\lambda_n < r} \lambda_n^{-1} < \frac{2}{h} \log r + C_1.$$

Let the function $P(r)$ which is defined on $(0, +\infty)$ for $r \geq 1$ admit the representation

$$P(r) = P(1) + \int_1^r \frac{\omega(t)}{t} dt,$$

where $\omega(t) \uparrow +\infty$ for $t \uparrow +\infty$. Let $\Delta(\alpha)$ be the angle $|\arg z| < \frac{\pi}{2\alpha}$, $\frac{1}{2} \leq \alpha < \infty$, in the z -plane cut along $(-\infty, 0)$. To the class $B_2^{(\alpha)} [P(r)]$ there belong all functions being holomorphic in $\Delta(\alpha)$ for which

$$\iint_{\Delta(\alpha)} e^{-P(r)} |f(z)|^2 dx dy < +\infty \quad (r=|z|).$$

- 2 (α):

Doklady Akad.Nauk 110, 914-917 (1956)

CARD 3/3

PG - 672

$\arg z = \pm \frac{\pi}{2\alpha}$ ($\frac{1}{2} < \alpha < \infty$) and for which $\int_{\mathcal{L}(\alpha)} e^{-P(r)} |\varphi(z)|^2 dr < +\infty$.

INSTITUTION: Institute for Mathematics and Mechanics, Acad.Sci.Arm. SSR.

16.6500

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S/020/62/145/004/006/024
B112/B102

AUTHOR: Khachatryan, I. O.

TITLE: Weighed approximation of zero-order integral functions by polynomials on the real axis

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 145, no. 4, 1962, 744 - 747

TEXT: The space of all the continuous functions $f(t)$ satisfying the condition $f(t)\varphi^{-1}(t) \rightarrow 0$ for $|t| \rightarrow \infty$, where $\varphi(t) \geq 1$ for $-\infty < t < \infty$ and $t^n \varphi^{-1}(t) \rightarrow 0$ for $|t| \rightarrow \infty$, is denoted by C_φ^0 . The set of all the polynomials is assumed not to be dense everywhere in C_φ^0 . The author derives a necessary and sufficient condition for φ , under which the set of all the polynomials is dense everywhere in a certain subspace $C^* \subset C_\varphi^0$. This condition reads $\sup_{f \in \mathcal{M}_1} |f(z)| = \sup_{P \in \mathcal{M}} |P(t)|$, $\text{Im } z \neq 0$, where \mathcal{M} is the set of all the polynomials $P(t)$ with $\|P(t)(t-i)^{-1}\| \leq 1$, and where

Card 1/2

Weighed approximation of zero-order ...

S/020/62/145/004/006/024
B112/B102

\mathcal{M}_1 is the set of all the zero-order integral functions $f(t)$ with $\|(t-i)^{-1}f(t)\| \leq 1$ and $f(t)(t-i)^{-1}\varphi^{-1}(t) \rightarrow 0$ for $|t| \rightarrow \infty$. Two explicit expressions for φ are derived.

ASSOCIATION: Institut matematiki i mekhaniki Akademii nauk ArmSSR
(Institute of Mathematics and Mechanics of the Academy of Sciences ArSSR)

PRESENTED: March 12, 1962, by S. N. Bernshteyn, Academician

SUBMITTED: February 20, 1962

KHACHATRYAN, I.O.

Weighed approximation of zero-order integral functions by polynomials on the real axis. Dokl.AN SSSR 145 no.4:744-747 Ag '62.

(MIRA 15:7)

1. Institut matematiki i mekhaniki AN Armyanskoy SSR. Predstavleno akademikom S.N.Bernshteynom.

(Functions, Entire)

AKH MATIYAN, I. I.

Weighted approximation of integral functions of zero degree
by polynomials on the real axis. Dokl. akad. nauk SSSR 1957, 29,
142-144.

(SERA 7:10)

LEVIN, B.Ya.; KHACHATRYAN, I.O.

Extension of a Wiener-Paly theorem to functions of arbitrary
integral order and normal type in a half-plane. Dokl. AN Arm.
SSR 41 no.1:3-9 '65. (MIRA 18:8)

1. Khar'kovskiy gosudarstvennyy universitet im. M.Ger'koga i
Institut matematiki i mekhaniki AN ArmSSR. Submitted January
15, 1965.

KHACHATRYAN, I.O.

Representation of meromorphic functions of infinite order in a
half-plane. Izv. AN Arm. SSR. Ser.fiz.-mat. nauk 18 no.2:15-25
'65. (MIRA 18:6)

1. Institut matematiki i mekhariki AN Armyanskoy SSR.

KHACHATRYAN, Kh. A.

Khachatryan, Kh. A. -- "Investigation of Soil Deformations in Plowing on Hillsides." Min Higher Education USSR. Armenian agricultural Inst. Yerevan, 1955. (Dissertation For the Degree of Candidate in Technical Sciences).

So: Knizhnaya Letopis', No. 11, 1956, pp 103-111.

KHACHATRYAN, K. M.

496 KAZARYAN, M. K. i KHACHATRYAN, K. M. Perekrestnyy
i uzkoryadnyy posev zernovykh kul'tur. Yerevan,
A ypetrat, 1954. 24 s. so skhem. 19 sm.
3.000 ekz. 25 k.- Na arm. yaz.- [54-55021]
633.1: 631.531.23

SO: Knizhnaya Letopis, Vol. 1, 1955

KHQA: ATRYOU, K.T.

R. 1.

TARAYAN, V.M.; OVSEPYAN, Ye.N.; KHACHATRYAN, L.G.

Composition of the rhodanide complex of rhenium. Report No.3. Dokl.
AN Arm. SSR 33 no.4:169-171 '61. (MIRA 15:1)

1. Yerevanskiy gosudarstvennyy universitet. 2. Chlen-korrespondent
AN Armyanskoy SSR (for Tarayan).
(Rhenium compounds)

KHACHATRYAN, Levon

[Armenian SSR; a story of the seven-year plan] Armianskaia SSR;
rasskaz o semiletke. Moskva, Proftekhizdat, 1960. 67 p.
(MIRA 14:11)

(Armenia--Economic policy)

KHACHATRYAN, L.D.

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721620015-7

USSR/Isotopes.

Abs Jour : Referat Zhur - Khimiya, No 6, 1957, 18417
Author : V.F. Oreshko, L.D. Khachatryan, M.D. Kozlova.
Title : Synthesis of Pyrite Marked with Isotope S³⁵.
Orig Pub : Zh. neorgan. khimii, 1956, 1, No 4, 838-840

Abstract : A mixture of active S and powdered Fe is heated in a test tube until the reaction $Fe + S^* \rightarrow FeS^*$ starts; after cooling the melt is ground, and 3 to 5 g of the powder react 2 hours with vapors of inactive S in the atmosphere of dry N at 600 to 650° producing FeS₂^{*}. The activity yield is 69.1 to 78.1% of pyrite, the chemical yield is 78.6 to 83.8%, the pyrite content in the product is 96 to 98%.

L 53932-65 EWT(m)/EPF(c)/EHP(j) Pc-4/Pr-4 2M
ACCESSION NR: AP5017354 UR/0298/64/017/011/0063/0068

AUTHOR: Mkhitarian, V. G.; Khachatryan, L. L.

TITLE: Variations of hexokinase activity in the organs of white rats during chloroprene poisoning

SOURCE: AN ArmSSR. Izvestiya. Biologicheskkiye nauki, v. 17, no. 11, 1964, 63-68

TOPIC TAGS: experiment animal, toxicology, animal physiology, biochemistry

Abstract: To discover the effect of chloroprene on hexokinase activity, 30 adult white rats of both sexes, weighing from 150 to 270 grams, were poisoned in a chloroprene atmosphere (8mg/liter) for two hours every day for 150-150 days. Hexokinase activity was measured in homogenates of the brain, kidney, heart and skin according to the method of C. Long. The results demonstrate the high sensitivity of the hexokinase of these organs to chloroprene. Hexokinase activity was reduced 80% in the skin, 57.6% in the kidneys, 50.4% in the brain, and 50.4% in the heart. Orig. art. has 5 tables.

ASSOCIATION: Yerevanskiy meditsinskiy institut (Yerevan Medical Institute)
SUBMITTED: 29Jul64 ENCL: 00 SUB COMET LS
NO REF SOV: 008 OTHER: 020 JPRS

Card
pc 1/1

KHACHATRYAN, L.S.; RAUTENSHTEYN, Ya.I.

Comparative study of bacteriophages of *Bacillus cereus-thuringiensis* group cultures. *Mikrobiologiya* 32 no.5:813-818
S-0'63 (MIRA 17:2)

1. Institut mikrobiologii AN SSSR i Institut mikrobiologii AN
ArmSSR.

RAUTENSHTEYN, Ya.I.; MISYUREVA, N.G.; KHACHATRYAN, L.S.

Lysogenicity of *Bac. cereus* var. *Galleriae* cultures and the characteristics of phages contained in them. *Mikrobiologiya* 33 no.6:980-986 N-D '64. (MIRA 18:4)

1. Institut mikrobiologii AN SSSR, Moskovskiy zavod bakterial'nykh preparatov i Institut mikrobiologii AN Armyanskoy SSR.

SEMENOVA, T.V.; KHACHATRYAN, N.G.; SHTRAKHER, I.I.

Processing of nitron to yarn in the Sverdlovsk Woolen and Worsted
Combine. Tekst. prom. 25 no.8:82-84 Ag '65. (MIRA 18:9)

1. Zamestitel' glavnogo inzhenera Sverdlovskogo karvol'nogo kombinata (for Semenova).
2. Nachal'nik pryadil'noy fabriki Sverdlovskogo karvol'nogo kombinata (for Khachatryan).
3. Nachal'nik tekhnicheskogo oddela Sverdlovskogo karvol'nogo kombinata (for Shtrakher).

KHACHATRYAN, M. K.

1964

DECEASED

c. '64

KHACHATRYAN, Mkrtich Manukovich

~~[Principles of topography]~~ Osnovy topografii. Erevan, Izd-vo
Erevanskogo univ. 1958. 385 p. [In Armenian] (MIRA 12:2)
(Topography)

KHACHATRYAN, M.M.

Practice in the territorial differentiation of the geographical
medium using correlative coefficients. Izv.AN Arm.SSR. Geol.i
geog.nauki 15 no.6:49-57 '62. (MIRA 16:2)

1. Yerevanskiy gosudarstvennyy universitet.
(Physical geography)

KHACHATRYAN, M.R., kand. med. nauk

Some changes in the function of the blood circulation apparatus in patients with chronic nonspecific lung diseases working in machine manufacturing enterprises. Azerb. med. zhur. 41 no.11: 63-68 N '64. (MIRA 18:12)

1. Iz terapevticheskogo otdeleniya (zav. - G.M. Oganessian) Yerevanskogo 6-go medob"yedineniya (glavnyy vrach M.R. Khachatryan). Submitted April 10, 1964.

KHACHATRYAN, M.S.

Spinach diseases in the suburban zone of Erivan. Izv. AN Arm.
SSR, Biol. i sel'khoz. nauki 9 no.12:111-115 D '56. (MLRA 10:2)

1. Institut zemledeliya Ministerstva sel'skogo khozyaystva
Armenyanskoj SSR.
(Erivan--Spinach--Diseases and pests)

COUNTRY : USSR
CATEGORY : Plant Diseases. Cultivated Plants. 0
ABST. JOUR. : RZhBiol., No. 3, 1959, No. 11270
AUTHOR : Khachatryan, M. S.
INST. : Armenian Scientific Research Institute of Agriculture.
TITLE : A Test of New Preparations Against Ascochyta Blight
of Pea (*Cicer aristinum*).
ORIG. PUB. : Byul. nauchno-tekhn. inform. Arm. n.-i. in-t zemledeliya,
1957, No. 3, 35-36
ABSTRACT : Along with granosan, formalin and AV, there were tested
the tetramethylthiuramdisulphide (TMTD) and hexachloro-
benzene (HCB). A dry treatment with the fungicides was
performed immediately before the sowing. The extent of
the infection was considerably reduced as the result of
the treatment with TMTD which secured a yield in the
amount of 15.0 centners/ha. The seeds in the control did
not germinate at all.

CARD: 1/1

-5-

KHACHATRYAN, M.S.

Some problems of the biology and dynamics of gram blight caused
by *Ascochyta fabae* in the Armenian S.S.R. Izv. AN Arm. SSR. Biol.
nauki 15 no. 5:23-30 My '62. (MIRA 17:6)

1. Institut vinodeliya, vinogradarstva i plodovodstva Ministerstva
sel'skogo khozyaystva Armyanskoy SSR.

KHACHATRYAN, M.R.

Oxygen therapy in chronic nonspecific lung diseases. Zhur. eksp.
i klin. med. 5 no.2:54-59 '65. (MIRA 19:1)

KHACHATRYAN, M.T.

Through the taiga and across the mountains. Transp.stroi.
14 no.12:12-14 D '64. (MIRA 19:1)

MENZHOYAN, A.L.; AMOYAN, A.A.; KHACHATRYAN, N.Kh.

Benzofuran derivatives. Report No.2: Synthesis of aminoethers
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1. Institut tonkoy organicheskoy khimii AN Armyanskoy SSR.
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MEMORANDUM FOR: SUBJECT: N. A.; KHACHATRYAN, H. B.

Reference is made to some substituted benzene ring...
for, U. S. R. Kain, number 18 no. 7: 1970-1971.

1. ...
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