AYRAPETYAN, G.; YEPISKOPOSYAN, M.

Using the acidic method for producing selenium and tellurium of anode slime at the Alverdi Copper Chemical Works. Prom.Arm. 4 no.10:32-36 O '61. (MIRA 14:11)
(Alaverdi—Tellurium—Metallurgy)
(Alaverdi—Selenium—Metallurgy)

ADONTS, G.T.; AYRAPETYAN, G.A.; AKOPDZHANYAN, G.D.; GAMBURYAN, K.A.

Investigation of the stability of the Transcaucasian Electric Power System in conjunction with the introduction of Mingechaur-Atarbekyan intersystem electric power transmission. Izv. AN Arm.SSR.Ser.tekh. nauk 13 no.6:19-38 '60. (MIRA 14:3)

1. Institut elektrotekhniki AN Armyanskoy SSR.
(Transcaucasia—Interconnected electric utility systems)

AYRAPETYAN, G.A.

One method for increasing the accuracy of the calculation of a.c. networks using analog computers. Izv. AN Arm. SSR. Ser. tekh. nauk 18 no.1:71-72 '65. (MIRA 18:7)

AYRAPETYAN, G.A.

Equations of a synchronic generator with damping stages for calculating the electromechanical transitions in power systems. Izv. AN Arm. SSR. Ser. tekh. nauk 17 no.6:17-22 '64. (MIRA 18:7)

1. ArmNIIE.

AYRAPETYAN, G.A.

Some problems of nonsynchronous automatic reclosures of intersystem electric lines. Izv. AN Arm. SSR. Ser. tekh. nauk 16 no.6:23-30 '63. (MIRA 16:12)

1. Institut energetiki AN Armyanskoy SSR.

AYRAPETYAN, G.A.

Some problems of nonsynchronous automatic reclosures in interconnected power transmission lines of unified electric power systems. Izv. AN Arm. SSR. Ser. tekh. nauk 17 no.1:17-22 '64
(MIRA 17:3)

1. Institut energetiki AN ArmSSR.

AYRAPETYAN, G.Ye.

Results of using drilling mud in rotary drilling of artesian wells in porous rock. Razved. i okh. nedr. 20 no.6:53-57 N-D '54. (MLRA 9:2)

(Artesian wells) (Boring)

AYRAPETYAN, Georgiy Ivanovich; VOZDVIZHENSKIY, B.I., redaktor; NEMANOVA, G.F., redaktor izdatel'stva; POPOV, N.D., tekhnicheskiy redaktor.

[Experience in drilling for water] Opyt bureniia skvazhin na vodu. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr, 1957. 86 p. (MIRA 10:11)

(Boring)

AYRAPETYAN, G.M., inzh.

Using cored gravel filters. Transp. stroi. 7 no.12:26-27 D '57.
(Artesian wells) (Filters and filtration) (MIRA 11:2)

AYRAPETYAN, G.E.

Concerning the article of P.IA. Avrov and I.B. Dal'ian "Using applied geophysics in drilling for water by the rotary drilling method." Razved. i okh. nedr 23 no.4:62-64 Ap '57. (MIRA 11:1)

1. Trest "Transvodstroy."
(Boring) (Water, Underground)
(Avrov, P.IA.) (Dal'ian, I.B.)

AYRAPETYAN, G.E.

Using gravel in filling wells drilled by the percussion method. Transp.stroi. 9 no.7:38-40 Jl '59. (MIRA 12:12)

1. Glavnyy inzhener burovogo uchastka No.1 Transvodstroya. (Artesian wells) (Filters and filtration)

AYRAPETYAN, O.E.

Gravel fills for rotary-drilled wells. Transp. stroi. 10 no.9:32-33 S '60. (MIRA 13:9)

1. Glavnyy inzhener burovogo uchastka No.1 Transvodstroya.
(Filters and filtration) (Arthesian wells)

AYRAPETYAN, G.E., inzh.

Using clay muds in rotary drilling for water. Transp.stroi. 13 n.9:38-39 S '63. (MIRA 16:12)

AVRAMENKO, G.K., inzh.

Artesian water from soft chalk horizons. Transp. stroi. 13 no.1: 26-28 Ja '63 (MIRA 18:2)

SOV/137-58-9-18774

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 9, p 89 (USSR)

AUTHOR: Ayrapetyan, G.M.

TITLE: Development of a Process for Extracting Copper and Molybdenum From the Oxidized Ores of the Kadzharan Deposit (Razrabotka tekhnologii izvlecheniya medi molibdena iz okislennykh rud kadzharanskogo mestorozhdeniya)

PERIODICAL: Izv. AN ArmSSR. Ser. geol. i geogr. n., 1957, Vol 10, Nr 5-6, pp 95-99

ABSTRACT: Investigations are conducted of a combined-process flow sheet involving hydrometallurgy and flotation. The comminuted ore is treated with H_2SO_4. The pulp is filtered and washed with water. Multi-stage precipitation of sulfides from the filtrate is performed with the aid of Na_2S, the precipitate containing Cu and traces of Mo. After sulfate treatment the ore is subjected to sulfidation with Na_2S and then to flotation in accordance with the conditions existing at the plant. The resultant product is subjected to secondary cleaning. The concentrate has the following % contents: Cu 14.5, Mo 0.52, and Co 0.1. 91% of the Co and 70% of the Mo are extracted. The Mo and Co are separated from the Cu by hydrometallurgical methods. 1. Ores--Oxidation 2. Ores--Flotation 3. Copper--Separation 4. Molybdenum--Separation

Card 1/1 O.B.

AYRAPETYAN, G.M.

Pincers for holding small objects. Lab.delo 8 [i.e.9] no.1: 54:55 Ja '63. (MIRA 16:5)

1. Voyenno-meditsinskaya ordena Lenina akademiya imeni S.M. Kirova.

(FORCEPS)

AID Nr. 996-7 24 June

RADIOPROTECTION OF THYMOCYTES IN RATS WITH INDOLE DERIVATIVES (USSR)

Ayrapetyan, G. M. Radiobiologiya, v. 3, no. 2, 1963, 262-264.
S/205/63/003/002/017/024

Young rats weighing 100 to 120 g were decapitated, and their thymuses removed and placed in a Ringer solution (pH 7.0) and further processed. The thymus suspension contained 200 cells per 0.1 mm^3. Indole preparations were added to the thymus suspensions in test tubes so that each test tube contained 0.2 ml of solution with a concentration of 1:4000 or 1:40,000. The control samples contained Ringer solution instead of the amine preparation. The test tubes were irradiated with 1300 r from an РУМ-3 apparatus (15 ma, 180 kv; filter, 0.5 Cu; dosage, 80 r/min). After exposure the test tubes were suspended in a Varburg apparatus and incubated for eight hours at 37° C (shaken 80 to 100 times per min); an eosin solution (1:1000) was added, the mixture was shaken two minutes, and the number

Card 1/2

AID Nr. 996-7 24 June

RADIOPROTECTION OF THYMOCYTES IN RATS [Cont'd] S/205/63/003/002/017/024

of stained and unstained lymphocytes counted (200 cells per sample). The protective action of 5-methoxytryptamine (an effective radioprotector), 6-methoxytryptamine (a weak radioprotector), and δ-3-indolylbutylamine (no radioprotective properties) were studied in the experiments. 5-Methoxytryptamine and 6-methoxytryptamine exerted a radioprotective effect on thymocytes in rats when used in concentrations of 1:4000 (85.3% and 88.8%, respectively, against 53.1% in the controls) and 1:40,000 (75.2 and 73.5% against 66.4 and 67.8% in the controls), while δ-3-indolylbutylamine showed no protective effect in a concentration of 1:4000 (17.5% against 67.9% in the controls) because of its toxicity. In a concentration of 1:40,000 it had about the same effect as the other indole derivatives (80.3% against 66.7% in the controls). The rather slight radioprotective effect of the indolylalkylamines apparently does not depend on the chemical structure of the preparations. It may be assumed that the different action of these preparations *in vivo* and their identical effect *in vitro* are brought about by the manner in which they are distributed in the organism of the irradiated animals. It is also probable that the mechanism of the radioprotective action of the preparations is different *in vivo* and *in vitro*.

[SGM]

Card 2/2

AYRAPETYAN, G.M.; ZHEREBCHENKO, P.G.

Some characteristics of the radioprotective properties of the monosodium salt of β-aminoethylphosphorothioic acid.
Radiobiologiia 4 no.2:259-265 '64. (MIRA 18:3)

AYRAPETYAN, G.M.

Isolation of molybdenum compounds from strong acid solutions containing iron and calcium. Izv. AN Arm. SSR. Khim. nauki 16 no.6:581-587 '63 (MIRA 17:8)

1. Nauchno-issledovatel'skiy gorno-metallurgicheskiy institut Soveta narodnogo khozyaystva Armyanskoy SSR.

ZHEREBCHENKO, P.G.; AYRAPETYAN, G.M.; KRASNYKH, I.G.; SHEVCHENKO, A.N.

Effect of radioprotective preparations on neutral red distribution and hemoglobin content in the organs of mice and rats.
Radiobiologiia 4 no.1:136-143 '64. (MIRA 17:4)

L 41616-65 EWG(j)/EWT(m) GS

ACCESSION NR: AT5008045 S/0000/64/000/000/0193/0211

AUTHOR: Zherebchenko, P. G.; Ayrapetyan, G. M.; Krasnykh, I. G.; Suvorov, N. N.; Shevchenko, A. N.

TITLE: The mechanism of the radiation-protective action of indolylalkylamines and certain other compounds

SOURCE: Patogenez, eksperimental'naya profilaktika i terapiya luchevykh porazheniy (Pathogenesis, experimental prevention, and therapy of radiation injuries); sbornik statey. Moscow, Izd-vo Meditsina, 1964, 193-211

TOPIC TAGS: radiation protection, radiation sickness, indolylalkylamine

ABSTRACT: An investigation was made involving the use of new compounds to determine the significance of the position and nature of substitutions in the manifestation of the radiation-protective properties of amines of the indole series. The previously discovered relation of the anti-radiation action of indolylalkylamines to their chemical structure was confirmed. The introduction of substitutions in the fifth position of the indole ring of the tryptamine molecule is accompanied by reinforcement and in the other positions by weakening of the radiation-protective

Card 1/2

L 41616-65
ACCESSION NR: AT5008045

activity. The ability of indole compounds to compete for free radicals is practically unrelated to the presence of substitutions, but is based on the specific properties of the indole ring. The vessel-constricting action of amines of the indole series depends on the chemical structure, indicating a causal link between it and the radiation protection effect. Indolylalkylamines which are effective for radiation protection cause a reduction in the accumulation of a neutral red in the blood-forming organs, skin, and testes of rats and mice. Adrenalin has about the same action. Of the aminothioles, cystamine causes the clearest changes in blood formation. The combined use of cystamine with 5-methoxytryptamine or unithiole increases the survival rate of irradiated mice. This is not observed if 5-methoxytryptamine is given to the animals together with unithiole. Orig. art. has: 1 figure, 13 tables.

ASSOCIATION: none

SUBMITTED: 19Aug64 ENCL: 00 SUB CODE: LS, OC

NO REF SOV: 017 OTHER: 030

me
Card 2/2

ACCESSION NR: AP4027977 S/0205/64/004/002/0259/0265

AUTHOR: Ayrapetyan, G. M.; Zherebchenko, P. G.

TITLE: Certain characteristics of radioprotective properties of beta-aminoethylthiophosphoric acid monosodium salt

SOURCE: Radiobiologiya, v. 4, no. 2, 1964, 259-265

TOPIC TAGS: beta-aminoethylthiophosphoric acid monosodium salt, radioprotective action, mercapto group, cystamine, mercamine, X-irradiation, gamma-irradiation, oral administration, subcutaneous administration, intramuscular administration, combined radioprotective effect, 5-methoxytryptamine

ABSTRACT: This study investigates only those characteristics of beta-aminoethylthiophosphoric acid monosodium salt which can be compared with the characteristics of other mercaptoamines. White mice, white rats, and dogs were used to test the efficacy of this preparation administered orally, subcutaneously, intramuscularly, and intraperitoneally at different times before irradiation. Mice and rats were X-irradiated (RUM-3 unit, 180 kv, 15 ma, focal length

Card 1/3

ACCESSION NR: AP4027977

35 cm) with single 700-900-r doses, and dogs were gamma-irradiated (EGO-2 unit, 260-280 r/min) with single 300 r-doses. Preparation efficacy was determined by survival of rats and mice at the end of 30 days and of dogs at the end of 45 days. Additional experiments were conducted to determine the combined radioprotective effect of beta-aminoethylthiophosphoric acid monosodium salt and 5-metoxytryptamine administered to mice in a 900-r dose at different time sequences before irradiation. Results show that beta-aminoethylthiophosphoric acid monosodium salt is an effective radioprotective administered orally, subcutaneously, intramuscularly, or intraperitoneally. Also, in the case of subcutaneous and intramuscular use, it does not cause inflammatory and necrotic reactions, as cystamine and AET do. It is superior to cystamine in radioprotective action when administered orally, and it is twice as effective as the mercapto groups when administered in doses of the same quantity. In combination with 5-metoxytryptamine, its radioprotective action is most effective when it is administered first. "The authors express their sincere gratitude to Academician I. L. Knunyanets, Doctor of Chemical Sciences, O. V. Kil'dy*sheva, Candidate of Chemical Sciences, M G. Lin'kova, and also to Z. V. Benevolenskaya for the preparations." Orig. art has: 6 tables.

Card 2/3

ACCESSION NR: AP4027977

ASSOCIATION: None

SUBMITTED: 11Mar63 DATE ACQ: 28Apr64 ENCL: 00

SUB CODE: AM NO REF SOV: 006 OTHER: 010

Card 3/3

Ayrapet'yan, G. P.

MAYSKIY, I.N., professor; AYRAPET'YAN, G.P.

The problem of longevity. Biol. v shkole no.5:83-89 S-O '57.
(MLRA 10:9)

1. Institut eksperimental'noy biologii Akademii meditsinskikh nauk SSSR.

(Longevity)

AYRAPET'YAN, G.P.

Comparative studies on the antigenic properties of certain mouse tumors following their inoculation in pure strains [with summary in English]. Biul.eksp.biol. i med. 44 no.11:85-92 N'57 (MIRA 11:11)

1. Iz laboratorii neinfektsionnoy immunologii (zav. - prof. I.N. Mayskiy) i laboratorii biologii antigenov (zav. kand.med.nauk M.M. Kapichnikov) Instituta eksperimental'noy biologii (dir. - prof. I.N. Mayskiy) AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR N.N. Zhukovym-Verezhnikovym.

(NEOPLASMS, immunology
antigenic properties of mouse tumors after transpl. in pure strains (Rus))

AYRAPET'YAN, G.P.

Antibody formation in rabbits during Brown-Pearce tumor growth.
Biul.eksp.biol. i med. 48 no.7:76-80 Jl '59. (MIRA 12:10)

1. Iz laboratorii neinfektsionnoy immunologii (zav. - prof. I.N.Mayskiy) Instituta eksperimental'noy biologii (dir. - prof.I.N.Mayskiy) AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR N.N.Zhukovym-Vereshnikovym).
(CARCINOMA - immunology)
(ANTIBODIES)

AYRAPET'YAN, G.P.

Reactivity of rabbits with implanted Brown-Pearce tumors and vaccinated with live antitumor vaccines. Biul. eksp. biol i med. 50 no.12:69-72 D '60. (MIRA 14:1)

1. Iz laboratorii neinfektsionnoy immunologii (zav. - prof. I.N. Mayskiy) Instituta eksperimental'noy biologii (dir. prof. I.N. Mayskiy) AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR N.N. Zhukovym-Verezhnikovym.
(TUMORS) (VACCINES)

AYRAPET'YAN, G.P.

Change in the biological properties of three transplanted tumors simultaneously inoculated during passages through one inbred animal. Biul.eksp.biol.i med. 53 no.6:63-65 Je '62.
(MIRA 15:10)

1. Iz laboratorii neinfektsionnoy immunologii (zav. - prof. I.N.Mayskiy) Instituta eksperimental'noy biologii (dir. - prof. I.N.Mayskiy) AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR N.N.Zhukovym-Verezhnikovym.
(TUMORS)

MAYSKIY, I.N.; AYRAPET'YAN, G.P.

International Cancer Research Congress. Biol. v shkole no.1: 80-82 Ja-F '63. (MIRA 16:6)

1. Institut eksperimental'noy biologii AMN SSSR.
(ONCOLOGY—CONGRESSES)

MAYSKIY, I.N.; AYRAPET'YAN, G.P.; KOZLOVA, N.A.; NILOVSKIY, M.N.; SUVOROVA, G.V.; SUKHORUKIKH, S.V.; KHUNDANOVA, L.L. (Moskva)

Therapeutic and cytotoxic action of antibodies and their role in the pathogenesis of cancer. Usp. sovr. biol. 55 no.2: 219-238 '63. (MIRA 17:8)

KHEROBYAN, P.A., starshiy nauchnyy sotrudnik; MARTIROSYAN, G.I.;
AYRAPETYAN, L.A.

Pneumoretroperitoneum in tumors of the abdominal cavity. Vop.
rent.i onk. 6:85-94 '61. (MIRA 16:2)
(ABDOMEN--TUMORS) (PNEUMOPERITONEUM, ARTIFICIAL)

AYRAPETYAN, L.N., inzh.

Pneumatic proportioning of reagents. Energetik 9 no.4:16-17 Ag '61. (MIRA 14:8)
(Chemical tests and reagents)
(Pneumatic machinery)

AYRAPETYAN, L.N., inzh.

Phosphate drum-mixer with a filter. Energetik 10 no.11:21-22 N '62. (MIRA 15:12)
(Feed-water purification)

SARUKHANYAN, V.O., prof.; MINASYAN, A.O., kand.med.nauk; SARKISYAN, Ya.Kh., kand.med.nauk; MIRZA-AVAKYAN, G.L.; TATKALO, I.V.; AYRAPETIAN, L.N.

Stomach cancer as per data of Erevan clinics and the Institute of Roentgenology and Oncology of the Academy of Sciences of the Armenian S.S.R. for 1949-1957. Vop.rent.i onk. 6:221-231 '61.
(MIRA 16:2)

(ERIVAN--STOMACH--CANCER)

DANIYELYAN, G.A., kand. med. nauk; AYRAPETYAN, I.N.

Experience in the use of mechanical suture apparatus. Vop. kurort. i fizioter. 28 no. 2:178-179 '63 (MIRA 16:8)

DANIYELYAN, E.Ye.; MIRAKYAN, M.Ye.; AYRAPETYAN, M.A.

Occupational skin aspergillosis. Vest. derm. i ven. 38 no.4:83-85 Ap '64. (MIRA 18:4)

1. Kafedra kozhnykh i venericheskikh bolezney (zav. - dotsent G.D.Ter-Grigoryan) Yerevanskogo meditsinskogo instituta i Institut gigiyeny truda i professional'nykh zabolevaniy (dir. R.A. Aydinyan) Ministerstva zdravookhraneniya Armyanskoy SSR.

AYRAPETYAN, M. A.

Petroleum Engr

c. '61

1963

L 41080-66 EWT(m)/EWP(t)/ETI IJP(c) JD/JG

ACC NR: AR6008636 (N) SOURCE CODE: UR/0397/65/000/019/0043/0043

AUTHOR: Babayan, E. A.; Ayrapetyan, M. A. 35 B

TITLE: Occupational skin injuries of workers engaged in flotation of copper-molybdenum ores

SOURCE: Ref. zh. Farmakologiya. Toksikologiya, Abs. 19.54.323

REF SOURCE: Sb. Materialy 2-y Itog. nauchn. konferentsii in-ta gigiyeny truda i profzabolevaniy, posvyashch. vopr. gigiyeny truda i profpatol., 1963. Yerevan, 1964, 73-75

TOPIC TAGS: industrial medicine, dermatology, skin physiology, copper, molybdenum

ABSTRACT: 170 workers of a copper-molybdenum flotation plant were examined. Various changes of the skin and its appendages were noted in 68 cases. Most of the patients (52) suffered loss of hair and 42 patients had dry cracked skin. Dystrophic change of nails and nail bed was found in 14 cases, teleangiectasia was found in 35 cases and injury of the sebaceous follicle apparatus was found in 19 cases. 7 persons suffered from eczema, 18 persons had dermatitis and 3 persons had toxicoderma. S. K. [Translation of abstract].

SUB CODE: 06

Card 1/1 11b UDC: 615.92

AYRAPETYAN, M.Kh., mladshiy nauchnyy sotrudnik

Clinical and punctural diagnosis of the tumoral processesof lymph nodes. Vop.rent.i onk. 6:279-286 '61. (MIRA 16:2)
(PUNCTURES (MEDICINE)) (LYMPHATICS--TUMORS)

AYRAPETYAN, M.Kh., mladshiy nauchnyy sotrudnik

Two cases of cancer of the carotid body. Vop.rent.i onk. 6: 321-323 '61. (MIRA 16:2)

(CAROTID BODY--CANCER)

AYRAPETYAN, M.Kh., mladshiy nauchnyy sotrudnik

Some functional changes in the liver in acute and subacute cases of radiation sickness. Vop. radiobiol. [AN Arm. SSR] 3,4:261-268 '63. (MIRA 17:6)

AYRAPETYAN, M.Kh.

Surgical treatment of local forms of lymphogranulomatosis.
Zhur. eksp. i klin. med. 2 no.6:89-94 '62.
(MIRA 18:10)

1. Khirurgicheskoye otdeleniye Instituta rentgenologii i onkologii ArmSSR.

AYRAPETYAN, M. Kh.

Aberrant goiters simulating tumorous diseases. Vop. rent. i onk. 7:321-325 '63 (MIRA 17:7)

AYRAPETYAN, M.T.

Rapid method of installing a gravel filter. Transp. stroi. 15 no.2:10-14 F '65. (MIRA 18:3)

ATROSHCHENKO, V.I.; SHCHEDRINSKAYA, Z.M.; ZAVRYA, N.A.; Prinimali uchastiye: AYRAPETYAN, M.T.; ABDULAYEVA, G.A.; TIMOKHINA, M.O.; RUD', A.A.

Catalysts for oxidation processes of natural gas to form formaldehyde and methanol. Zhur.prikl.khim. 38 no.3:643-649 Mr '65. (MIRA 18:11)

1. Submitted Febr. 27, 1963.

AYRAPETYAN, N.A.

Armenian S.S.R. Prom.koop. no.1:17-18 Ja '57. (MLRA 10:4)

1. Predsedatel' pravleniya Armpromsoveta.
(Armenia--Cooperative societies)

AYRAPETYAN, N. A.

Some tasks of producers' cooperatives of Armenia. Prom. koop. 12 no.8:32 Ag '58. (MIRA 11:9)

1. Predsedatel' pravleniya Armpromsoveta (Yerevan').
(Armenia--Cooperative societies)

AYRAPETYAN, N. A.

New articles manufactured by the artels of Armenia. Prom.koop. 13 no.9:25 S '59. (MIRA 13:1)

1. Predsedatel' pravleniya Armpromsoveta, g.Yerevan.
(Armenia--Manufactures)

AYRAPETYAN, R., starshiy leytenant

Result of collective work. Voen.vest. 41 no.10:100-102 O '61.
(MIRA 15:2)
(Chemical warefare--Safety measures)

AYRAPETYAN, R.I.

Spontaneous disintegration of bladder calculi. Urologiia 28 no.5:62-64 S-O'63 (MIRA 17:4)

1. Iz urologicheskoy kliniki (zav. - prof. A. Ya. Abramyan) Moskovskogo oblastnogo nauchno-issledovatel'skogo klinicheskogo instituta.

GAMBARYAN, L. S.; GEZALYAN, L. S.; GARIBYAN, A. A.; AYRAPETYAN, S. A.

Role of the cortical section of the vestibular analysor in the mechanisms of statokinetic coordination. Izv. AN Arm. SSR. Biol. nauki 15 no.4:59-65 Ap '62. (MIRA 15:7)

1. Fiziologicheskaya laboratoriya Nauchno-issledovatel'skogo instituta akusherstva i ginekologii Ministerstva zdravookhraneniya Armyanskoy SSR i fiziologicheskaya gruppa Sektora radiobiologii AN Armyanskoy SSR.

(LABYRINTH(EAR.))

ACC NR: AP6021447 (A) SOURCE CODE: UR/0413/66/000/011/0073/0073

INVENTORS: Zavlin, P. M.; Ayrapetyan, S. G.

ORG: none

TITLE: A method for obtaining polyphosphonates. Class 39, No. 182328 [announced by Leningrad Electrotechnical Institute of Communications im. Professor M. A. Bonch-Bruyevich (Leningradskiy elektrotekhnicheskiy institut svyazi)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 11, 1966, 73

TOPIC TAGS: phosphorus compound, ester, ethyl, phosphinic acid

ABSTRACT: This Author Certificate presents a method for obtaining polyphosphonates by homopolycondensation of heated aminoethyl esters of phosphinic acids. To enlarge the assortment of polyphosphonates with self-extinguishing properties, N-β-hydroxyethyl β-aminoethyl ester of β-chlorethyl-phenylphosphynic acid is used.

SUB CODE: 07/ SUBM DATE: 28Apr65

Card 1/1 UDC: 678.675'1.678.85

L 22191-66 EWP(j)/EWT(m)/ETC(m)-6/T RM/WW

ACC NR: AP6012109 SOURCE CODE: UR/0413/66/000/007/0015/0015

INVENTOR: Sokolovskiy, M. A.; Ayrapetyan, S. G.; Lagunova, V. N.

ORG: none

TITLE: Preparative method for a phosphorus-containing polyester. Class 12, No. 180193

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 7, 1966, 15

TOPIC TAGS: polyester, phosphorus containing polyester, fire resistant material

ABSTRACT: An Author Certificate has been issued for a preparative method for a phosphorus-containing polyester, involving the thermal homopolycondensation of a phenylphosphonic ester, viz., N-phenyl-2-aminoethyl [(2-chloroethyl)phenyl]phosphonate. [SM]

SUB CODE: 07, 11/ SUBM DATE: 19Jun64/ ATD PRESS: 4228

Card 1/1 nst UDC: 547.26'118.07.678.699:678.85

DONTSOV, K.M.; POLYAKOV, G.G.; AYRAPETYAN, S.M.

Method for estimating fluid overflow when the well column is not airtight. Izv.vys.ucheb.zav.; neft' i gaz 6 no.11:51-56 '63.
(MIRA 17:9)

1. Groznenskiy neftyanoy institut.

KHARCHIA, S. T.

Dissertation: Sen'Instructor -- "Drawing With Anaglyphic Projections." Sand Tech Sci, Georgian Polytechnic Inst imeni S. M. Kirov, 30 Jun 54. (Zarya Vostoka, Tbilisi, 18 Jun 54)

SO: Sum 317, 23 Dec. 1954

AYRAPETYAN, S.S., inzh.

Geometric investigation of anaglyphic projections. Sbor. nauch. trud. ErPI no. 20:161-167 '59. (MIRA 14:5)
(Geometry, Projective)

AYRAPETYAN, T.M., inzhener.

Hodographs of reflected waves from cylindrical surfaces of separation of a constant curvature. Trudy Akad.neft.prom. no.1:165-176 '54. (Hodograph)(Waves)(Prospecting--Geophysical methods) (MIRA 8:2)

S/006/60/000/008/001/001
B012/B051

AUTHOR: None given

TITLE: Chronicle

PERIODICAL: Geodeziya i kartografiya, 1960, No. 8, pp. 72-77

TEXT: From May 10-14, 1960 the shestoye Mezhduvedomstvennoye soveshchaniye po gravimetrii (Sixth Interdepartmental Conference on Gravimetry) was held in Moscow. It was convened by the geodezicheskaya sektsiya Komiteta geodezii i geofiziki Akademii nauk SSSR (Section for Geodesy of the Committee of Geodesy and Geophysics of the Academy of Sciences USSR) and the Aerogravimetricheskaya laboratoriya Instituta fiziki Zemli AN SSSR (Laboratory for Aerogravimetry of the Institute of Physics of the Earth of the AS USSR). 216 representatives of 64 organizations took part in this conference: production organizations, research centers, testing and construction organizations, educational institutions, and organizations of the Akademiya nauk SSSR (Academy of Sciences USSR), Sibirskoye otdeleniye AN SSSR (Siberian Department of the

Card 1/6

AS USSR), Akademii nauk Ukrainskoy, Gruzinskoy, Litovskoy i Azerbaydzhanskoy SSR (Academies of Sciences of the Ukrainskaya, Gruzinskaya, Litovskaya, and Azerbaydzhanskaya SSR), Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya SSSR (Ministry of Higher and Secondary Special Education of the USSR), Ministerstvo geologii i okhrany nedr SSSR (Ministry of Geology and Preservation of Mineral Resources), Komitet standartov, mer i izmeritel'nykh priborov pri Sovete Ministrov SSSR (Committee on Standards, Measures, and Measuring Instruments of the Council of Ministers USSR), NII VTS, Gosudarstvennyy Komitet Soveta Ministrov SSSR po avtomatizatsii i mashinostroyeniyu (State Committee on Automation and Machine Construction of the Council of Ministers USSR), as well as representatives of the factories of the Moskovskiy sovnarkhoz (Moscow Sovnarkhoz) and the Leningradskiy sovnarkhoz (Leningrad Sovnarkhoz) that produce gravimetric apparatus. 70 lectures were held. I. D. Zhongolovich (Institut teoreticheskoy astronomii AN SSSR (Institute of Theoretical Astronomy of the AS USSR) spoke about the "Experience With Determining Some Parameters of the Gravitational Field of the Earth From Observations of the Second and

Card 2/6

Third Artificial Satellites". B. K. Yanovskiy (VNIIM) spoke about "The Determination of the Absolute Value of Gravitational Acceleration of the Point of VNIIM in Leningrad". M. Ye. Kheyfets spoke about the "High-precision Pendulum Apparatus of the TsNIIGAiK", V. A. Tulin about "[illegible]", [illegible] about "Questions of Time Recording in Pendulum Measurements", [illegible], T. V. [illegible], and M. S. Davydov about the "Portable Gravimeter-altimeter [illegible] (GVP-[illegible])", K. Ye. [illegible] about the "Design of a High-precision Gravimeter", Yu. D. Bulanzhe (IFZ AN SSSR (IFZ AS USSR)) about "The Main Working Directions in the Field of Determining Gravitational Acceleration on the Sea", Ye. A. [illegible] about "The Theory of Determining Gravitational Acceleration on the Sea by Means of Gravimeters", A. M. [illegible] about "String Sea Gravimeters". M. S. Molodenskiy (TsNIIGAiK) investigated in his lecture tolerable errors already published in reports or submitted for publication by some authors. Among these are papers by [illegible] (L'vovskiy politekhnicheskiy institut (L'vov Polytechnic Institute)), A. K. Malovichko (Permskiy Gosudarstvennyy universitet (Perm' State University)), and S. V. [illegible] (Leningradskiy Gosudarstvennyy universitet

Card 3/6

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102710003-7"

Chronicle

S/006/60/000/006/001/001
B012/B051

(Leningrad State University)). L. A. [illegible] spoke about "The Errors of Interpolation of Gravity Anomalies and the Accuracy of Determining Gravimetric Deflections of the Vertical". [illegible] ([illegible]) about "Errors of the Representation and Interpolation of Gravitational Anomalies". S. N. Shcheglov reported on "Preliminary Results of Geodetic and Gravimetric Work in the Antarctica". Yu. N. Avsyuk on the "Structure of the Earth Crust in the Antarctica According to [illegible] Gravitational Data". S. A. [illegible] on "The Structure of the Earth Crust in the Antarctica According to Gravimetric Data". [illegible] ([illegible]) spoke about the "Preparation and Use of Gravimetric Reports". The recommendations given by the Conference are mentioned. From April 19 to 22, 1960 a Scientific and Technical Conference of the Workers of the Topographic-geodetic and the Surveying Service of the Glavnoye Upravleniye geologii i okhrany nedr pri Sovete Ministrov Ukrainskoy SSR (Main Administration of Geology and Preservation of Mineral Resources of the Council of Ministers Ukrainskaya SSR) was held in Artemovsk. There, the state of the topographic-geodetic and surveying work in the organizations of the Glavgeologiya USSR (Glavgeologiya UkrSSR) and the introduction of new

Card 4/6

techniques and technology in production were discussed. At the Conference it was stated that the extent of the work mentioned will be considerably increased within the next seven years. Furthermore, the following drawbacks were pointed out: The methods applied are too extensive and expensive, the geological organizations are insufficiently equipped with new apparatus; in geological observations the aero-photographs and topographic plans available on a large scale are not sufficiently used. This state is explained by inefficient technical direction, inefficient technical and material supply, by a lack of suitable direction in the Glavgeologiya UkrSSR and the Ministerstvo geologii i okhrany nedr SSSR (Ministry of Geology and Preservation of Mineral Resources of the USSR). Recommendations are given to improve this situation. For improving the qualifications of the workers the Conference suggested to convene scientific and technical conferences at regular intervals. For improving information and for the exchange of experience the editorial board of the present periodical was asked to furnish a section for topographic and geodetic work in geological observations. The participants in the Conference appealed to the workers

Card 5/6

of the topomarksheyderskaya sluzhba Glavgeologii USSR (Topographic and Surveying Service of the Glavgeologiya UkrSSR) to do everything possible in order to carry out the resolutions of the 21st Party Congress of the CPSU and the Plenum of the Central Committee of the CPSU in June.

Card 6/6

9.6160

40220
S/169/62/000/007/046/149
D228/D307

AUTHORS: Mininzon, G. M., Davydov, M. S. and Ayrapetyan, T. M.

TITLE: Portable ГВП-1 (GVP-1) gravimeter-altimeter

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 7, 1962, 26, abstract 7A172 (V sb. Sostoyaniye i perspektivy razvitiya geofiz. metodov poiskov i razvedki polezn. iskopayemykh, M., Gostoptekhizdat, 1961, 413-419)

TEXT: A portable GVP-1 gravimeter-altimeter has been developed. It consists of two resilience systems: one compensated barometrically and the other with an increased barometric factor. The instrument's design is based on a system of astatic spring weights in which the lever is suspended on horizontally placed helical cylindrical springs of the alloy Н41 ХТ (N41 KhT). The device is thermostatically controlled at a temperature that is selected in accordance with the maximum temperature of the area in which it is being used (30, 35, or 45°). A bimetallic compensator is mounted on the instrument; by means of this it is possible to cool the tempe-

Card 1/2

AYRAPETYAN, V. G.

PA 161T85

USSR/Medicine - Vaccination Jun 50
Bacteria, Pasteurella

"Vaccination of Cattle, Goats, and Sheep Against Pasteurellosis," V. G. Ayrapetyan, Cand Vet Sci, Armenian Sci Res Vet Inst, 3 pp

"Veterinariya" No 6

Tabulates and discusses data compiled from tests on intramuscular and subcutaneous, single and double injections of formol vaccine to obtain immunity from pasteurellosis among subject animals. Immunity from single injection is quite weak but double injection provides minimum

161T85

USSR/Medicine - Vaccination (Contd) Jun 50

6-month immunity in sheep and about 6-month immunity in cattle. Includes three tables of data.

161T85

AYRAPETYAN, V.

AYRAPETYAN, V., Asiatic fowl plague and the measures of the fight against it. Yerevan. Aypetrat, 1952. 40 pages. Price 50 kopeks. 2,000 copies. In Armenian.

SO: Veterinariya; 30; (1); January 1953; Uncl. TABCON

AYRAPETYAN, Vazgen Grigor'yevich

(Inst of Animal Husbandry of the Ministry of Agriculture ArSSR), Academic degree of Doctor of Veterinary Sciences, based on his defense, 1 July 1954, in the Council of All-Union Inst of Experimental Veterinary Medicine, of his dissertation entitled: "Plague of hogs under the conditions of mountain hog breeding and its specific prophylaxis."

Academic degree and/or title: Doctor of Sciences

SO: Decisions of VAK, List no. 18, 10 Sep 55, Byulleten' MVO SSR, No. 17, Sep 56, Moscow, pp 9-16, Uncl. JPRS/NY-435

AYRAPETYAN, V.G.

Directed variability of bacteria of the Pasteurella group. Dokl. AN Arm. SSR 19 no.1:23-27 '54. (MLRA 8:7)

1. Armyanskiy nauchno-issledovatel'skiy veterinarnyy institut. Predstavleno M.A. Ter-Karapetyanom. (Pasteurella)

Translation W-31689, 27 Feb 55

USSR / Virology. Human and Animal Viruses. E-3

Abs Jour: Ref Zhur-Biol., No 10, 1958, 43069.

Author : Ayrapetyan, V. G.
Inst : Not given.
Title : Erythrocyte-Crystal-Violet-Glycerine (ECVG) Vaccine Against Hog Cholera.

Orig Pub: Tr. Arm. n.-i, in-ta zhivotnovodstva i veterinarii, 1956, 1, 5-24.

Abstract: The ECVG vaccine is prepared from distilled water-lysed erythrocytes, previously isolated from serum of pregnant sows, from which blood was taken on the 7-8 day after infection by cholera. To 80 parts of lysed erythrocytes 20 parts of stefile, chemically pure, neutral glycerine are added, and to 100 parts of this mixture 5 parts of a 1% sterile solution of crystal-violet. ECVG vaccine is used once

Card 1/2

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.V.
Inst : -
Title : On the Diagnosis of Experimental Tularemia of Sheep Intra Vitam

Orig Pub : Veterinariya, 1956, 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

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

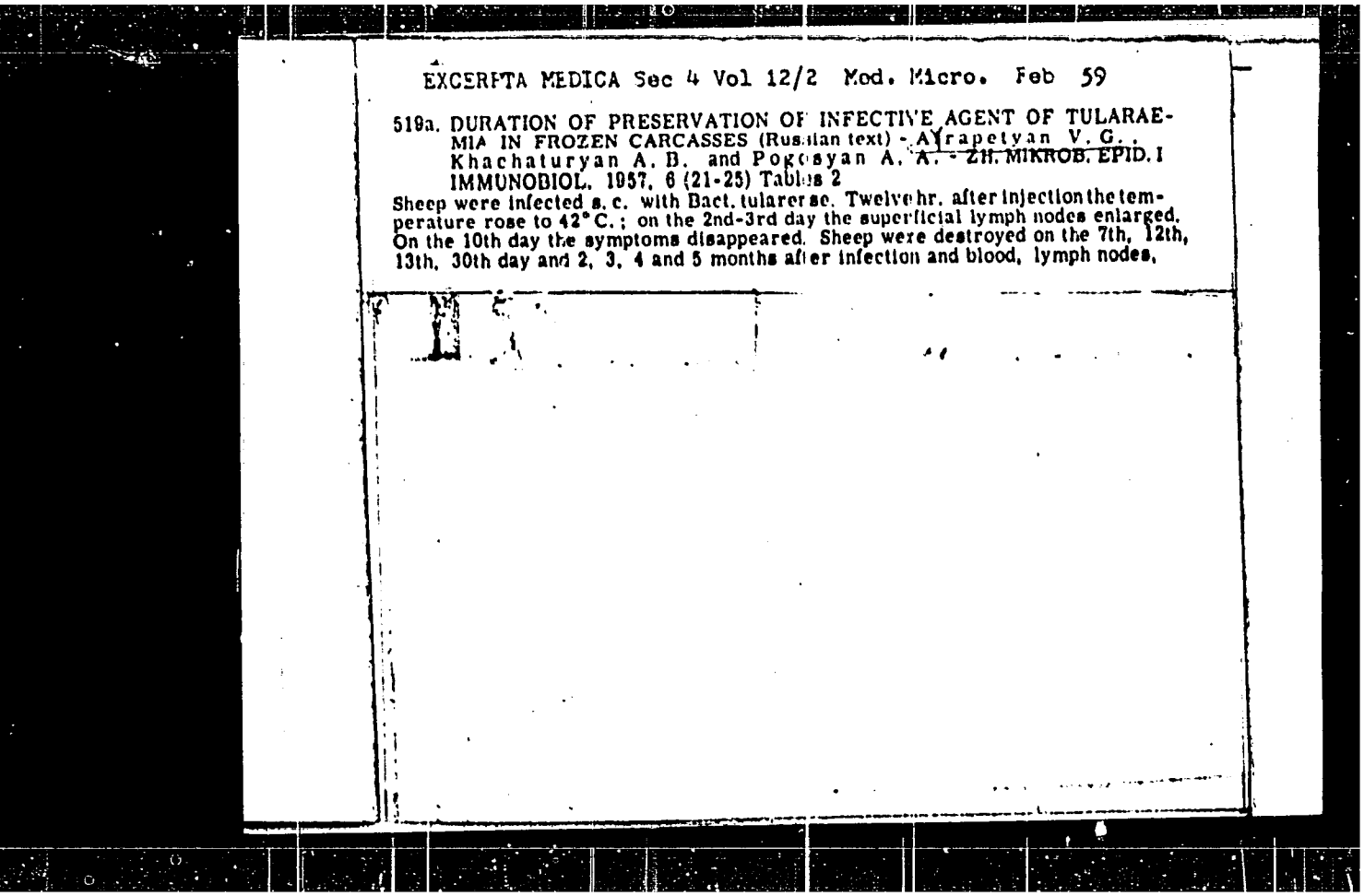
Card : 1/3

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

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

in a dosage of 3 milliliters. -- I. Ya. Panchenko

Card : 3/3



EXCERPTA MEDICA Sec 4 Vol 12/2 Mod. Micro. Feb 59

519a. DURATION OF PRESERVATION OF INFECTIVE AGENT OF TULARAEMIA IN FROZEN CARCASSES (Russian text) - Arapetyan V. G., Khachaturyan A. B. and Pogosyan A. A. - ZH. MIKROB. EPID. I IMMUNOBIOL. 1957, 6 (21-25) Tables 2

Sheep were infected s. c. with Bact. tularense. Twelve hr. 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. tularense 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)

AYRAPETYAN, 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 O '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, Vazgen Grigor'yevich, doktor veterin.nauk; TROITSKIY, G., otv.red.; MANUKYAN, A., tekhn.red.

[Hog cholera and its specific prevention.] Chuma svinei i ee spetsificheskaia profilaktika. Izd.2., dop. Erevan, Izd-vo glav.upr.sel'khoz.nauki MSKh Arm.SSR, 1959. 265 p. (MIRA 13:11)

(Hog cholera)

AYRAPETYAN, V.G., doktor veterinarnykh nauk; GAZARYAN, V.S., doktor veterinarnykh nauk; GRIGORYAN, G.A., kand.veterinarnykh nauk; MAMIKONYAN, M.M., kand.veterinarnykh nauk

Basic work results of the Institute of Animal Husbandry and Veterinary Medicine in the control of the communicable and infestation diseases of farm animals in Armenia. Trudy Arm. nauch.-issl. inst.zhiv. i vet. 4:211-231 '60. (MIRA 15:5)
(Armenia--Veterinary medicine)

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;
BOYADZHYAN, G.K., kand. veterin. nauk

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

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

AYRAPETYAN, Vazgen Grigor'yevich

"Notes on the mutatuion of hog cholera virus."

report to be submitted at the 17th World Veterinary Congress, Hanover, West Germany, 14-21 Aug 63.

AYRAPETYAN, V.S.; KHACHATRYAN, A.P.; 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)

CHOBANYAN, M.S., aspirant; AYRAPETYAN, V.G., nauchnyy rukovoditel', prof.

Inactivated vaccine against Aujeszky's disease from a virus grown in tissue culture. Veterinariia 42 no.7:19-20 Jl '65. (MIRA 18:9)

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

L 39918-66 EWT(1)/T JK

ACC NR: AP6029376 SOURCE CODE: UR/0427/66/019/002/0065/0070

AUTHOR: Ayrapetyan, V. G.; Abelyan, K. Ye.; Karapetyan, D. K. 28 B

ORG: Armenian Scientific Research Institute of Animal Husbandry and Veterinary Medicine (Armyanskiy nauchno-issledovatel'skiy institut zhivotnovodstva i veterinarii)

TITLE: Electron microscope study of the virus of Aujeszky's disease in tissue culture

SOURCE: Biologicheskiy zhurnal Armenii, v. 19, no. 2, 1966, 65-70

TOPIC TAGS: electron microscopy, virus, rabbit, histology, cytoplasm, virology, animal disease

ABSTRACT: The authors present data on the ontogenesis of the virus of Aujeszky's disease in a tissue culture of newborn rabbit kidney. The investigation showed that the virus of Aujeszky's disease was not observed in the course of the first 8-9 hours. Then in the nucleus of the cell the first stages of formation of viroplasts or virus "matrix" appear, and immature virus particles in their "crystalline" package form from them. The virus acquires an external lining as it passes through the nuclear membrane. In the cytoplasm mature virus particles are formed which soon leave the cell, destroying it in many places. This entire process lasts 16-18 h. Size of mature virus particles: 1500-1800 Å. Orig. art. has: 8 figures. [JPRS: 36,932]

SUB CODE: 06 / SUBM DATE: 29Oct65 / ORIG REF: 003 / OTH REF: 004

Card 1/1

AKRAPETYAN, Ye. M.

"The Soil Cover Characteristic of the Kolkhoz imeni Molotov in the Village of Solak in the Akhtinsk Region of the Armenian SSR." Cand Agr Sci, Armenian Agricultural Inst, Yerevan, 1953. (RZhBiol, No 6, Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No.521, 2 Jun 55

AJRAPETJANOVA, G. P.

EXCERPTA MEDICA Sec 16 Vol 7/7 Cancer July 59

2511. **A study of the antigenic specificity of tumours in homografts in inbred mice** Studium antigenní specifity nádorů při jejich homotransplantacích na inbredních liniích myší. AJRAPETJANOVÁ G. P. Inst. Eksp. Biol., AMN SSSR., Moskva *Čsl. Biol.* 1958, 7/4 (292–296) Tables 2

Prolonged transplantation experiments of Ehrlich's adenocarcinoma, Crocker's sarcoma and acridine sarcoma in inbred mice, revealed antigenic difference between tumour tissue and normal tissues. At the same time it was found that these 3 genetically different tumours possessed specific antigenic properties as well as common antigens.

Klein – Bratislava

SOV-26-58-8-40/51

AUTHOR: Ayrapet'yants, A.E., Fokin, I.M. (Town of Tashauz, Turkmenian SSR)

TITLE: The Jerboa of Bobrinskiy in the Kara-Kum (Tushkanchik Bobrinskogo v Karakumakh)

PERIODICAL: Priroda, 1958, Nr 8, p 119 (USSR)

ABSTRACT: The jerboa Allactaga bobrinskii Kolesnikov is one of the rarest rodents of the Soviet Union. It was described first in 1937, and only a small number were known to exist in the south and central parts of the Kyzyl-Kum. Privalov,V.N. observed that this jerboa lives in sandy and sandy-gravelly places. But the animal's ecology still remains largely unknown. Now the animal was seen far to the west from its assumed sole habitat, viz in the Zaunguzskiye Karakumy. There 2 male adult jerboas were caught in spring and fall 1957. In its habitat, half-bushes, such as Salsola rigida, Anabasis salsa and, in places, Haloxylon aphyllum are growing. The dimensions of the animals agree with those given in available literature: length of the body 119 and 120 mm, of the tail 164 mm, of the hind foot 58 to 59 mm, of the ear 22 to 24 mm. There are 3 Soviet references.

Card 1/1 1. Jerboa--Ecology--USSR 2. Rodents--USSR

P'TROV, G.V.; AYRAPET'YANTS, A.E.

Reproduction and the first stages of postembryonic development in the red-backed bank vole Clethrionomys rutilus Sehrb. under laboratory conditions. Vest LGU no.21:51-61 '61.
(MIRA 14:11)

(Field mice)

AYRAPET'YANTS, A.M.; [illegible], I.[illegible]

Jumping jerboa (Allactaga [illegible] Fort.), a new species in the rodent fauna of [illegible]. Vest LGU 16 no.21:131-132 '61.
([illegible] 14:12)

[illegible] (Tashauz District--Jerboas)

AYEAPET'YANTS, A.E.

Ecology of the flying squirrel (Pteromys volans) in Leningrad Province. Vest. LGU 18 no.21:151-155 '63 (MIRA 16:12)

AYRAPET'YANTS, A.E.

Stationed distribution of rodents and insectivorous animals in the southwestern part of Leningrad Province. Vest. LGU 19 no.15: 7-24 '64. (MIRA 17:11)

AUTHOR: AYRAPETYANTS, A.V., Kl Kl ,S.M. PA - 2114

TITLE: Germanium Electron-Hole Alpha Counter Characteristics and Operation Mechanism. (Kharakteristiki i mechnism deystviya germaniyevykh elektronno-dyrochnykh al'fa-schetnikov, Russian)

PERIODICAL: Zhurnal Tekhn.Fiz. 1957, Vol 27, Nr 1, pp 95-105 (U.S.S.R.)

Received: 2 / 1957 Reviewed: 4 / 1957

ABSTRACT: This paper deals with the results of the study of counting properties and of the mechanism of impulse-production in n-p-α counters. The wiring circuit of the counter is demonstrated by a drawing. The mode of operation of such a counter does not differ essentially from the mode of operation of a photodiode in the case of a "photo-diode-like" circuit. The n-p transition is connected in the barred direction. The α-particle forms electron-hole-couples in germanium. The unreal carriers (here the holes) diffuse to the n-p transition and are drawn into the p-domain by the field existing in this transition. An additional current hereby occurs in the exterior circuit and furthermore a voltage drop at the resistance R. This voltage drop is recorded. Since the unreal carriers occurring momentarily in the n-domain on the occasion of ionization rapidly flow off or recombine as a result of n-p transition, the duration of the signal occurring at the resistance R is not long.

The following conclusions can be drawn from the investigations carried out: Germanium n-p transitions of the here described

Card 1/2

Card 2/2 ... Congress

AYRAPETYANTS, A.V.

PA - 2175

AUTHOR: AJRAPETJANC, A.V., RYBKIN, S.M.

TITLE: On the Mechanism of the Influence of Illumination with Visible Light on the Strength of Impulses in Sulphur-Cadmium-α-Counters. (Russian)

PERIODICAL: Zhurnal Tekhn.Fiz. 1957, Vol 27, Nr 1, pp 106-112 (U.S.S.R.)
Received: 2 / 1957 Reviewed: 4 / 1957

ABSTRACT: This paper verifies the correctness of the assumption that the intensification of impulses in illumination is chiefly connected with the increase of the conductivity of crystals. The experimental problem was reduced to the comparison of the dependence of strength of impulse on the conductivity in the case of an illumination with different (visible) wave lengths and heating of the crystal. Furthermore, these dependencies are compared with expressions found in a previous work.

The experimental order: The CdS crystals were received by crystallization from the gaseous phase, a mixture of H_2S and cadmium vapors. The CdS monocrystals were stuck on to a glass base and then indium electrodes were steamed on in the vacuum. In the proximity of the crystal a thin copper-constantan-thermocouple was stuck on to the glass base. During measuring the sample was in a vacuum chamber the construction of which is discussed here. The wiring circuit of the measuring device is discussed on the basis of a drawing.

Card 1/2

AYRAPETYANTS, A. V.

AUTHORS: Ayrapetyants, A. V., Kogan, A. V., Reynov, N. M., Ryvkin, S. M., Sokolov, I. A. 57-27-7-29/40

TITLE: Concerning the Use of Germanium n-p-α-Counters at Low Temperatures (Ob ispol'zovanii germaniyevykh n-p-α-schetchikov pri nizkikh temperaturakh).

PERIODICAL: Zhurnal Tekhnicheskoy Fiziki, 1957, Vol. 27, Nr 7, pp. 1599-1600 (USSR)

ABSTRACT: With reference to the paper in Zhurnal Tekhnicheskoy Fiziki, 1955, Vol. 25, Nr 11 and 1957, Vol. 27, Nr 1 some preliminary results on the investigation of the counter-properties of germanium n-p-counters at helium temperatures are reported here. The scheme of the device is described. From the table of the comparative characteristics of the n-p counters at room temperature and at helium temperature is to be seen that at the temperature of liquid helium the signal-noise ratio strongly increases. At helium temperature (as well as at room temperature) the n-p counters have a good plateau in the counter-characteristic, as well as a saturation in the curve of the dependence of the amount of the impulse on the applied voltage. There are 2 figures, 1 table and 2 references, all of which are Slavic.

Card 1/2

- Concerning the Use of Germanium n-p-α-Counters at Low Temperatures 57-27-7-23/40

ASSOCIATION: Physico-Technical Institute AS USSR, Leningrad
(Fiziko-tekhnicheskiy institut AN SSSR, Leningrad)

SUBMITTED: January 9, 1957

AVAILABLE: Library of Congress

Card 2/2 1. Radiation counters-Low temperature properties 2. Germanium-Applications 3. Helium (Liquid)-Applications

AYRAPETYANTS, A.V., Cand Phys Math Sci -- (diss)

"Study of the calculating properties of ~~the~~ monocrystals of ~~sulpharous cadmium~~ cadmium sulfide and germanium p-r-~~transfers~~ transitions."

Len, 1958, 11 pp (Min of Higher Education USSR. Len Polytechnic Inst im M.I. Kalinin) 150 copies

(KL, 50-58, 119)

AYRAPETYANTS, A.V.; VOYTENKO, R.M.; DAVYDOV, B.E.; SEREBRYANIKOV, V.S.

On the so-called "compensation effect" in organic semiconductors.
Vysokom.soed. 3 no.12:1876 D '61. (MIRA 15:3)
(Semiconductors)

5

AYRAPETYANTS, A.V., VOYTENKO, R.M., DAVYDOV, B.E. KRENTSEL, B.A.

Conductance mechanism in organic semi-conductor polymers

Report submitted for the International Symposium of Macromolecular chemistry
Paris, 1.6 July 63

AYRAPETYANTS, Aleksandra Vasil'yevna; ROZENSHTEYN, Leonid Davidovich; FREGER, D.P., red.izd-va; BELOGUROVA, I.A., tekhn. red.

[Organic semiconductors] Organicheskie poluprovodniki. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1963. 32 p. (Seriia "Poluprovodniki, no.4) (MIRA 16:12)
(Semiconductors)

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