

HUNGARY

DENES, Ivan, Dr, AFRA, Denes, Dr; Institute of Postgraduate Medical Education, Department of Neurology (Orvostovabbkepzo Intezet, Ideggyogyaszati Tanszek), and National Neurosurgical Scientific Institute (Orszagos Idegsebeszeti Tudomanyos Intezet), Budapest.

"Intramedullar Epidermoid Tumor."

Budapest, Ideggyogyaszati Szemle, Vol XIX, No 8, Aug 66, pages 249-252.

Abstract: The case of a 61 year old man with an intramedullar epidermoid tumor is reported together with a brief literature survey of the subject. The anamnesis did not contain any data which may have pointed to the possibility of exogenous implantation. The intramedullar localization would also contradict an exogenous origin. In spite of the advanced age of the patient and the slow course of the disease, it must be classified as congenital, which lends added interest to the case. All 9 references are Western.

1/1

L 23258-66

ACC NR: AP6007623 (N) SOURCE CODE: UR/0229/66/000/001/0009/0011

AUTHOR: Aframeyev, E. A.

ORG: none

TITLE: Comparative characteristics of diagrams of hydrofoil vessels

SOURCE: Sudostroyeniye, no. 1, 1966, 9-11

TOPIC TAGS: ship design, hydrofoil

ABSTRACT: The article deals with the design of hydrofoil vessels whose hydrofoil diagram as a rule are based on the experimental results of model vessels and on individual hydrofoil vessels. Stabilization and rigidity coefficients serving as comparative characteristics of hydrofoil units are presented by the author in graphs for the stabilization coefficient as a function of immersion, the rigidity coefficient as a function of immersion, and the effect of immersion and angle of attack on the rigidity coefficient of a plane foil. Orig. art. has: 3 figures and 2 formulas. [Based on author's abstract.] [NT]

SUB CODE: 13/ SUBM DATE: none/ ORIG REF: 001/ OTH REF: 001/

Card 1/1 B.L.G.

UDC: 629.125.8

L 38681-66

ACC NR: AP6021494

(N)

SOURCE CODE: UR/0413/66/000/011/0144/0144

INVENTOR: Aframeyev, E. A.

ORG: none

TITLE: Hydrofoil attachment for a ship. Class 65, No. 182543

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 11, 1966, 144

TOPIC TAGS: hydrofoil, shipbuilding engineering, marine equipment

ABSTRACT: An Author Certificate has been issued for a foil attachment for a ship, which includes a hydrofoil with the suction side above and the pressure side below

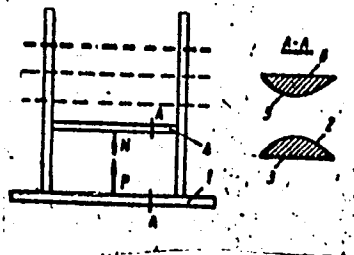


Fig. 1. Hydrofoil attachment

1 - Hydrofoil; 2 - suction side;
3 - pressure side; 4 - additional
hydrofoil; 5 - suction side; 6 -
6 - pressure side.

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UDC: 629.122.6

L 38681-66

ACC NR: AP6021494

(see Fig. 1). To increase the ship's stability in a swell, the attachment is equipped with an additional hydrofoil with the suction side below and the pressure side above. Orig. art. has: 1 figure. [GE]

SUB CODE: 13/ SUBM DATE: 14Jan65

Card 2/2 vmb

VENEDIKTOV, N.A.; AFRAMOVICH, P.Ya.; FURSAYEV, V.M.

Gas cock made of kapron. Gaz.prom. 5 no.6:32-35 Je '60.
(MIRA 13:6)

(Gas burners)

AFRAN, Gyorgyi (Budapest)

Lajos Kossuth's letters to his physician, Academician Pal Almasi
Balogh. Magy tud 67 no.10:633-638 0 '60. (EEAI 10:3)
(Kossuth, Lajos) (Balogh, Pal)
(Szechenyi, Istvan, graf)

ACC NR: AT6034609

SOURCE CODE: UR/3148/66/000/008/0031/0051

AUTHOR: Acraymovich, E. B.; Bazarzhapov, A. D.; Mishin, V. M.;
Nemtsova, E. I.; Osipov, N. K.; Platonov, M. L.; Urbanovich, V. D.

ORG: none

TITLE: Mean S_q -fields according to data for September 1958

SOURCE: AN SSSR. Mezhdudedomstvennyy geofizicheskiy komitet. III
razdel programmy MGG (Geomagnetizm i zemnyye toki). Sbornik statey,
no. 8, 1966. Geomagnitnyye issledovaniya (Geomagnetic research), 31-51

TOPIC TAGS: geomagnetic FIELD, algorithm, spheric harmonic,
geomagnetic coordinate, geographic coordinate, electroconductivity

ABSTRACT: The nature of the geomagnetic S_q -variations is unknown. Previous investigations made by the same authors are continued here using the same methods as before. A comparison was made between various groupings of stations and the systems of coordinates used for studying the magnetic variations during a quiet sun. The algorithm B used in earlier publications was insufficient for the solution of the problem of S_q -variations. The algorithm A was introduced which is analogous to that of Gauss and Shuster. The S_q -field was assumed to be equal to the magnetic field potential, and its components were

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ACC NR: AT6034609

expressed by sums of spherical harmonics from which the coefficients of expansion were determined. Computations of coefficients were made from various combinations of stations according to longitudinal zones and global distribution. Numerical values were given in tables. Analysis of variations of the amplitude c_1 of the computed first harmonic of the S_q -field and those of the observed field showed that errors obtained using geographic and geomagnetic coordinates differed very little. Approximate values of S_q -variations obtained using spherical functions expressed by geomagnetic coordinates of southern and low-latitude stations were nearer the observed values. The same effect was obtained for stations of northern middle latitudes using spherical functions expressed by geographical coordinates. A combination of stations by longitudinal zones yields better agreement between computed and observed values of S_q -variations. Different S_q -field values in longitudinal zones indicate that the electrical conductivity of zones is different. Maps of current whirls are given for both hemispheres. Orig. art. has: 10 figures, 10 tables, and 11 formulas.

SUB CODE: 08/ SUBM DATE: none/ ORIG REF: 005/ OTH REF: 006

Card 2/2

1 65253-65 INT(A)/EEO(R)-2/708(11)4 000 107(4) 88/97

ACCESSION NR: AR5018974

UR/0169/65/000/007/A005/A005

CS: 14

SOURCE: Ref. zh. Geofizika, Abs. FA13

AUTHOR: Checha, V. A.; Afraymovica, E. I.

Abstract: A method for finding expressions for the coefficients of a transfer process and for the input signals is described.

KEYWORDS: Transfer; Signals; Methods; Systems; Computers; Computers, v. 14, 1961, p. 1-4.

COMPUTERS: Various digital computers; computer programming; digital transfer.

TRANSLATION: The authors submit a procedure for reading data on observations of processes with a frequency of about ten cycles per second. The input signals are converted into digital form and the resulting signals are processed by a computer.

The authors describe an input program to the computer and a block diagram of a system for processing the signals. The signals are converted into digital form and the resulting signals are processed by a computer. The signals are recorded on a MAG magnetic recorder. Signals from the tape are converted into Card 1/2

L 65153-65

ACCESSION NR. AR5018974

pulses normal for the universal digital computer in terms of amplitude and duration, then are fed into the computer current measurement system. The procedure requires no special equipment beyond a standard computer system with the input program modified. Input reliability at an artificial frequency depends only on the reliability of the computer itself when a computer is the only input to data carrier.

Yashiro

SUB CODE: DP

ENCL: 00

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L 2370-66

EWT(1)/FCC/EWA(h)

GW

ACCESSION NR: AP5021010

UR/0203/65/005/004/0784/0786
550.388.2

AUTHORS: Afraymovich, E. L.; Yegorov, Yu. A.

39
38
6

TITLE: A device for mass input into a digital computer of coordinates of experimental curves, chosen for plots with a high error level

SOURCE: Geomagnetism i aeronomiya, v. 5, no. 4, 1965, 784-786

TOPIC TAGS: information storage, information retrieval, digital recording system, computer, ion distribution

ABSTRACT: A description is given for a means of introducing ionogram representations into a digital computing machine. The method circumvents the time-consuming task of introducing such data manually and also avoids the complexity and limitation inherent in some earlier automated methods. The proposed device consists of an optical system for projecting an image at a selected scale onto a screen equipped with a push-button control for changing photo frames. The device also features a photomechanical coding system with simple electrical circuitry. The screen is such that each point on its surface is identified in a coordinate system by means of two binary numbers. The points along an arbitrary curve within the reference system may be digitized by means of moving an indicator arrow
Cord 1/2

L 2370-66

ACCESSION NR: AP5021010

along the locus of the curve. The arrow is constrained to move in the plane of the screen; the coordinates of the tip of the arrow are stored in a core memory unit whenever a contact switch is closed. The amount of digitization is at the discretion of the operator, and the interpretation of multivalued curves is also left to the judgment of the operator, thus conserving storage and removing the work of qualitative decision from the computer operation. A discussion of the comparative worth of the proposed system is given. Some areas of application mentioned are: analysis of experimental curve plots, oscillograms, particle streams, topographic charts, isoline charts, etc. The use of an intermediate information buffer would allow expansion of the device's capacity. The authors thank M. P. Rudin for his constant attention to the work. Orig. art. has: 1 figure.

ASSOCIATION: Akademiya nauk, KazSSR, sector ionosfery (Academy of Sciences, KazSSR, Ionosphere Department)

SUBMITTED: 17Sep64

ENCL: 00

SUB CODE: DP, ES

NO REF SOV: 004

OTHER: 000

BVK
Card 2/2

ACC NR: AT6027213 SOURCE CODE: UR/0000/66/000/000/0063/0068

AUTHOR: Afraymovich, E. L.

ORG: none

TITLE: Device for automatic multichannel recording and input into a universal digital computer of experimental data from the study of the ionosphere

SOURCE: AN SSSR. Sibirskoye otdeleniye. Sibirskiy institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln. Issledovaniya po geomagnetizmu i aeronomii (Studies in geomagnetism and aeronomy). Moscow, Izd-vo Nauka, 1966, 63-68

TOPIC TAGS: ionospheric physics, data processing equipment, data recording, digital computer, auto recorder, magnetic recorder / *Dnepr-11 magnetic recorder*

ABSTRACT: A fully automatic device is described that will record and put into a "Minsk" universal digital computer the output data of a metering system used to investigate the structural inhomogeneities of the ionosphere. The device consists essentially of a recording unit, an input unit, and an information storage based on a mass-produced "Dnepr-11" magnetic recorder. The device makes it possible to calculate automatically the mean value of the amplitudes of two components or two reflected signals. The recording unit is easy to tune and

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B+1

ACC NR: AT6027213

permits recording of signals at an access frequency of 100 cps. The block diagram of the device is presented, together with a specification of the type of tubes, resistors, and capacitors employed. In conclusion, the author thanks M. P. Rudin for constant attention to the work, and I. A. Zelenkov for thoroughly assembling the device. Orig. art. has: 1 table and 2 figures. 2

SUB CODE: 09/ SUBM DATE: 25Dec65/ ORIG REF: 002

ns
Card 2/2

AFKAIHOVICH, G. V.

A drill-workers guide Moskva, Gos. nauchno-tehn izd-vo mashin stroit. lit-ry, 1943.
47 p. (V pomoshch' novomu rabochemu-mashino troiteliu) (51-51401)

TJ1160.A33

STAYEV, K. P.) Engineers
AFRAYMOVICH, G. A.)

"Results of the Work of the Second All-Union Conference of Tool Workers".
Stanki I Instrument, 14 No. 4-5, 1943

Stalin Prize Winners

BR-52059019

....., U. A.

Famiatka sveriovshchika. Moskva, Mashgiz, 1943. 47 p. illus. (V pomoshch' novomu rabochemu-mashinostroiteliu.

Instructions for the drilling machine operator.

DLC: TJ1160.A33

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

~~AFRAYMOVICH, G.Y.~~^{77.} inzhener, redaktor; TIKHONOV, A.Ya., tekhnicheskiy redaktor

[Attachments and tools for cold working of metals; experience at transportation machinery plants] Prispobleniia i instrument dlia kholodnoi obrabotki metallov; opyt zavodov transportnogo mashinostroeniia. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1954. 53 p. (MIRA 8:4)

1. Moscow. Vsesoyuznyy proyektno-tekhnologicheskii institut. (Metals--Cold working) (Metal-cutting tools)

AFRAYMOVICH, G.A., inzhener, redaktor; TIKHONOV, A.Ya., tekhnicheskiy
redaktor

[Electric circuit for preventing the explosion of a saltpeter bath]
Elektricheskaya skhema predotvrashcheniya vzryva selitrovoi vanny.
Moskva, Gos. nauchno-tekhn. izd-vo mashinostroitel'noi lit-ry,
1954. 6 p. (MLRA 8:4)

1. Moscow. Vsesoyuznyy proyektno-tekhnologicheskiy institut. Otdel
tekhnicheskoy informatsii.
(Saltpeter) (Electric heating)

AFRAYMOVICH, G.A., inzhener, redaktor; TIKHONOV, A.Ya., tekhnicheskii
redaktor.

[Improving the production of crimped stuffing boxes; from work
practices of the Chelyabinsk Kirov Plant] Sovershenstvovanie
proizvodstva gofirovannykh sal'nikov; iz opyta Cheliabinskogo
Kirovskogo zavoda. Moskva, Gos. nauchno-tekhn. izd-vo mashino-
stroit. i sudostroi. lit-ry, 1954. 7 p. (MLRA 7:11)

1. Moscow. Vsesoyuznyy proyektno-tekhnologicheskii institut.
Otdel tekhnicheskoy informatsii.
(Machine-shop practice)

~~AFRAYMOVICH~~, G.A., inzhener, redaktor; TIKHONOV, A.Ya., tekhnicheskii
~~redaktor~~

[Drilling and boring] Sverlenie zharoprochnoi stali. Moskva, Gos.
nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1954. 7 p. (MLRA 8:3)

1. Moscow. Vsesoyuznyy proektno-tekhnologicheskii institut. Otdel
tekhnicheskoy informatsii.
(Drilling and boring)

AFRAYMOVICH, G.A., inzhener, redaktor; TIKHONOV, A.Ya., tekhnicheskiy
redaktor

[Efficient lay out methods; experience of the "Motor of the
Revolution" Plant] Ratsional'nye metody razmetki; iz opyta zavoda
"Dvigatel' revoliutsii." Moskva, Gos. nauchno-tekhn. izd-vo ma-
shinostoit. i sudostroit. lit-ry, 1954. 10 p. (MLRA 7:10)

1. Moscow. Vsesoyuznyy proyektno-tekhnologicheskii institut.
Otdel tekhnicheskoy informatsii
(Machine-shop practice)

AFRAYMOVICH, G.A., inzhener, redaktor; TIKHONOV, A.Ya., tekhnicheskiy
redaktor

[Machine shop innovator V.P.Antropov) Slesar'-ratsionalizator
V.P.Antropov. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit.
i sudostroit. lit-ry, 1954. 10 p. (MLRA 7:10)

1. Moscow. Vsesoyuznyy proyektno-tekhnologicheskii institut.
Otdel tekhnicheskoy informatsii
(Antropov, Vasilii Pavlovich)
(Machine-shop practice)

AFRAYMOVICH, G.A., inzhener, redaktor; TIKHONOV, A.Ya., tekhnicheskiy
redaktor.

[Processing of parts with second class precision by means of fine turning; work practice of the Sverdlovsk heavy-industry, transport-machinery factory] Obrabotka detalei 2-go klassa tochnosti tonkim tocheniem; iz opyta Sverdlovskogo zavoda transportnogo i tiazhelogo mashinostroeniia. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. i sudostroit. lit-ry, 1954. 15 p. (MLRA 7:12)

1. Moscow. Vsesoyuznyy proyektno-tekhnologicheskii institut. Otdel tekhnicheskoy informatsii.
(Metals--Finishing)

AFRAYMOVICH, G.A., inzhener; UYAROVA, A.F., tekhnicheskiy redaktor.

[Mechanization of labor-consuming operations in Ural factories.]

Mekhanizatsia trudoemkikh rabot na zavodakh Urala. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1955. 51 p. (MIRA 8:7)

1. Moscow. Vsesoyuznyi proyektno-tekhnologicheskiy institut
(Ural Mountain region-- Conveying machinery)

KRYNKINA, K.M., red.; AFRAYMOVICH, G.A., red.; KUZNETSOV, V.V.,
red. izd-va; MATVEYEVA, A.Ye., tekhn. red.

[Standardization in the machinery industry]Standartizatsiia i
normalizatsiia v mashinostroenii; po materialam lektsii kursov
VNIINMASha. Moskva, Standartgiz, 1961. 391 p. (MIRA 15:8)
(Machinery industry) (Standardization)

VERTEPA, G.I.; KRB, A.V.; ~~ABRA~~MOVICH, I.A. inzhener, redaktor;
TIKHONOV, A.Ya., tekhnicheskiy redaktor.

[Sectional broaching machine for variable cutting] Sektsionnaya
protiazhka peremennogo rezaniya. Moskva, Gos.nauchn.-tekhn. izd-vo
mashinostroit. i sudostroit. lit-ry, 1954. 12 p. (Moscow, Vsesoyuz-
nyi proektno-tekhnologicheskii institut. Obmen tekhnicheskim opytom,
no.2) [Microfilm] (MLRA 9:8)
(Broaching machines)

AFRAYMOVICH, M.A.

Prevention and treatment of mastitis in maternity hospitals. Fel'd.
i akush. 22 no.8:44-46 Ag '57. (MIRA 10:12)

1. Rodil'nyy dom No.15 Zhdanovskogo rayona Moskvy.
(BREAST--DISEASES)

AFRAYMOVICH, M.A.; BEYLIN, A.L.

Use of clamps on the parametrium in atonic hemorrhages in early puerperium. Akush. i g-n. 40 no.2:46-48 Mr-Apr '64. (MIRA 17:11)

1. Rodil'nyy dom No.15 (glavnyy vrach M.A. Afraymovich) - klinicheskaya baza kafedry akusherstva i ginekologii (zav. - prof. K.N. Zhmakin) I Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova.

AFRAÏMOVICH, R.S., inzh.

Sealing collars for bellow-type columns. Elek sta. 30 no.2:82 F
'59. (MIRA 12:3)

(Boilers--Equipment and supplies)

PERSHITS, R.Ya., kand.tekhn.nauk; AFREMOV, A.Sh.

Effect of a reduction in the propulsion speed on elements of
maneuverability of a vessel. Trudy NTO sud.prom. 8 no.4:
97-105 '59. (MIRA 13:5)
(Ship propulsion)

AFREMOV, A. Sh., Engineer, YADIN, I. D., *and*

"Calculation of Ship Controllability Based on Approximate Calculation of the Influence of Moment of Inertia."

Papers Presented at the Tenth Scientific-Technical Conference on Ship Theory
(Sudostoryeniye, No 4, 1960)

KONSHIN, M.D.; AFREMOV, V.G.

Photogrammetric distorsion. Geod. i kart. no.2:39-45 F '64.
(MIRA 17:3)

ACC NR: AP7002585

(A,N)

SOURCE CODE: UR/0413/66/000/023/0001/0000

INVENTORS: Afremov, V. G.; Il'in, V. B.

ORG: none

TITLE: Method for determining distortion of objectives on photographic benches. Class 42, No. 189177 [announced by Central Scientific Research Institute of Geodesy, Aerial Photography and Cartography (Tsentral'nyy nauchno-issledovatel'skiy institut geodezii, aerofotos'yemki i kartografii)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 23, 1966, 81

TOPIC TAGS: photographic lens, lens distortion, *photographic film, photographic plate, photo graphic printing*

ABSTRACT: This Author Certificate presents a method for determining distortion of objectives on photographic benches, which involves printing the direction of nondistortion on the photographic plate. To measure the tangential component of distortion, two marks are printed on the photographic plate from the backing side with the help of two projectors placed in the plane containing the sighting axis of the collimators. A line drawn through these marks and coinciding with the line of intersection (or parallel to it) of the plane of the photographic plate with the plane containing the sighting axes of the collimators is taken as the initial reference line for measuring the tangential displacements.

SUB CODE: 14/

SUBM DATE: 03May65

UDC: 535.818.8:824.8

Card 1/1

ACC NR: AT6028600

(N)

SOURCE CODE: UR/2547/66/000/165/0110/0119

AUTHOR: Afremov, V. G.

ORG: none

TITLE: Description and study of the photographic stand of the TsNIIGAIK

SOURCE: Moscow. Tsentral'nyy nauchno-issledovatel'skiy institut geodezii, aeros'yemki i kartografii. Trudy, no. 165, 1966. Issledovaniya po fotogrammetrii (Research in photogrammetry), 110-119

TOPIC TAGS: aerial camera, simulation test, test construction, photographic film, photographic emulsion

ABSTRACT: Tests must be carried out under the same conditions under which the object being tested will be used in practice. This basic metrological principle must also be applied in laboratory determination of the elements of internal orientation and adjustment of the aerial camera. Hence the photographic method of calibration in the horizontal position of the plane of an applied frame most closely corresponds to the practical use of the aerial camera. The emulsion on which the calibration marks are made must match the aerial film in spectral sensitivity; the light used in calibration must also be a spectral match. Therefore the photographic stand described has a plane system of collimators, the applied aerial camera frame is horizontal in position, and the photographic method is used in determining the elements of internal

Card 1/2

UDC: 528.711.112:535.317.7

Card 2/2

ACC NR: AP7005642

(A)

SOURCE CODE: UR/0413/67/000/002/0093/0093

INVENTOR: Derviz, V. D.; Konshin, M. D.; Afremov, V. G.; Zdobnikov, Ye. T.; Zotov, G. A.; Orlov, V. K.

ORG: None

TITLE: A precision stereo comparator. Class 42, No. 190592 [announced by the Central Scientific Research Institute of Geodesy, Aerial Photography and Cartography (Tsentral'nyy nauchno-issledovatel'skiy institut geodezii, aerofotos'yemki i kartografii)].

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 2, 1967, 93

TOPIC TAGS: cartography, aerial photograph, comparator, optic instrument

ABSTRACT: This Author's Certificate introduces: 1. A precision stereo comparator for measuring the coordinates of associated points on aerial photographs (positive transparencies). The device contains a stationary binocular optical system, two coordinate gauges, each consisting of a lower carriage and an upper carriage which moves along guides in the lower carriage, and automatic readout units based on calibrated pairs of diffraction gratings. Measurement accuracy is improved by making the signals from the readout unit independent of rotation of the transparent gratings with respect to the reflecting ruled gratings. All reflecting gratings in the instrument are situated in

Card

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UDC: 528.722.6/81

AFREMOVA, G. E.

USSR/Medicine - Tularemia

Jun 53

"Periods of Reinoculation of Subjects Inoculated Against Tularemia and Persistence of the Reaction to Tuberculin in Those Who Have Been Inoculated," M. V. Vasil'yeva, G. E. Afremova, V. A. Strigin, N. M. Slepneva, G. A. Dashkina, Ufa Inst of Epid and Microbiol in I. I. Mechnikov; Republic of Bashkir ASSR; San-Epidemiol Sta

Zhur Mikro, Epid, i Immun, No 6, pp 50-51

After inoculation, 90.4% of subjects in areas exposed to tularemia gave a positive reaction to tularin within 2 mos, 81.3% within 6 mos, 79.6% within 1 yr, and 74% within 2 yrs. After reinoculation, the

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figures were 91.8% in 2 mos, and 91.3% in 1 yr. Reinoculation was carried out 1 yr after original inoculation.

FILIPPOVA, Mariya Filippovna, kand.geol.-miner.nauk; ARONOVA, S.M.: ~~APREMOVA,~~
~~M.E.~~ GALAKTIONOVA, N.M.; GASSANOVA, I.G.; GIMPELEVICH, B.D.; KARASEV,
M.S.; LYASHENKO, A.I.; MAYZEL', Z.L.; RATEYEV, M.A.; SOKOLOVA, L.I.;
SOLOV'YEVA, N.S.; KHANIN, A.A.; SHISHENINA, Ye.P.; SHNEYDER, N.P.;
BAKIROV, A.A., red.; VEBER, V.V., red.; DANOV, A.V., red.; DIKEN-
SHEYN, G.Kh., red.; MAKSIMOV, S.P., red.; POZNYSH, M.A., red.;
SAIDOV, M.N., red.; SEMIKHATOVA, S.V., red.; TURKEL'TAUB, N.M., red.;
UL'YANOV, A.V., red. [deceased]; KHALTURIN, D.S., red.; SHABAYEVA,
Ye.A., red.; RAZINA, G.M., vedushchiy red.; GENNAD'YEVA, I.M., tekhn.
red.

[Devonian deposits in the central provinces of the Russian Platform]
Devonskie otlozheniia tsentral'nykh oblastei Russkoi platformy.
Pod red. M.F.Filippovoi. Leningrad, Gos. nauchno-tekhn.izd-vo neft.
i gorno-toplivnoi lit-ry, 1958. 404 p. (MIRA 11:4)
(Russian Platform--Geology, Stratigraphic)

AFREMOVA, R.A.; KRAVTSOVA, V.I.

On the projected program of the glacier atlas of the U.S.S.R.
Inform.sbor.o rab.Geog.fak.Mosk.gos.un.po Mezhdunar.geofiz.
godu no.3:41-60 '58. (MIRA 13:5)
(Glaciers--Maps)

PUSHCHAROVSKIY, Yu.M.; AFREMOVA, R.A.

Outline of the tectonics of the New Guinea-New Zealand sector
of the Pacific Cenozoic tectonic belt. Trudy GIN no.139:
85-127 '65. (MIRA 18:9)

POSTEL'NIKOV, Ye.S.; ZATONSKIY, L.K.; AFREMOVA, R.A.; PEYVE, A.V., akademik,
glavnyy red.; PISHCHAROVSKIY, Yu.M., otv.red.; KUZNETSOVA, K.I., red.;
MENNER, V.V., red.; TIMOFEYEV, P.P., red.

[Tectonic development and structure of Indochina.] Tektoniche-
skoe razvitiie i struktura Indokitaia. Moskva, Nauka, 1964. 92 p.
(Akademia nauk SSSR. Geologicheskii institut. Trudy, no.108)

(MIRA 18.1)

AVGUSTOVSKIY, N.N., inzh.; AFREMOVA, S.S., inzh.; LASENKO, K.M., inzh.

Gas turbine stages with large relief from centrifugal forces. Energo-
mashinostroenie 11 no.7:13-17 J1 '65. (MIRA 18:7)

USTINOVA, Ye.I.; AFREMOVA, T.D.

Characteristics of the formation of the epical cone and reproductive organs in the barley under light of varying quality and under varying periods of daylight. Vest. Mosk. un. Ser. 6: Biol., pochv. no. 5: 36-45 S-0 '64. (MIRA 17:12)

1. Kafedra genetiki i seleksii Moskovskogo universiteta.

KISELEV, A.V.; POSHKUS, D.P. [Feskus, D.P.]; AFREYMOVICH, A.Ya.

Molecular statistical calculation of the thermodynamic properties of inert gases adsorbed on graphite. Zhur. fiz. khim. 38 no.6: 1514-1522. Je '64. (MIRA 18:3)

1. Institut fizicheskoy khimii AN SSSR i Institut khimii i khimicheskoy tekhnologii Akademii nauk Latvskoy SSR.

KISELEV, A.V.; POSHKUS, D.P. [Poskus, D.]; AFREYMOVICH, A.Ya.

Theoretical calculation of the potential function and thermodynamic properties of symmetric diatomic molecules adsorbed on graphite nitrogen adsorption. Zhur. fiz. khim. 39 no.5:1190-1197 My '65.
(MIRA 18.8)

1. Institut fizicheskoy khimii AN SSSR i Institut khimii i khimicheskoy tekhnologii AN Litovskoy SSR.

AFRIDONOV, F.

The soil requires skilled people. WTO 6 no.3:18-20 Mr '64.
(MIRA 17:6)

1. Predsedatel' soveta Nauchno-tehnicheskogo obshchestva
Tuymazinskogo p roizvodstvennogo kolxozno-sovkhoznogo
upravleniya Bashkirskoy ASSR.

GUSEV, V.Ye., prof.; AFRIKANOV, N.A., inzh.

Centrifugal spinning of combed wool yarn. Tekat.pron. 20
no.1:30-33 Ja '60. (MIRA 13:5)
(Woolen and worsted spinning)

17(4), 21(3)

AUTHOR: Afrikanova, L. A.

SOV/20-121-5-18/50

TITLE: The Influence of Irradiation on the Activity of Some Ferments Localized in the Structures of the Lamellar Bodies of the Mesentery of Cats (Vliyaniye oblucheniya na aktivnost' nekotorykh fermentov, lokalizovannykh v strukturakh plastinchatykh telets bryzheyki koshek)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol 121, Nr 5, pp 834 - 836 (USSR)

ABSTRACT: In order to investigate the earliest variations of the receptors (retseptor), the author locally irradiated the lamellar bodies of the mesentery of cats. The lamellar bodies belong to the type of the sensitive nerve ends. From a physiological point of view, they are baroreceptors. The investigations discussed in this paper were carried out on total mesentery preparations. Hungry animals were used for these experiments. A part of the intestine was extracted from the abdominal cavity and irradiated by soft X-rays. The non-irradiated parts of the mesentery

Card 1/3

The Influence of Irradiation on the Activity of Some Ferments Localized in the Structures of the Lamellar Bodies of the Mesentery of Cats SOV/20-121-5-10/50

were used for control measurements. In order to obtain results immediately after irradiation, the author carried out a series of biopsies (biopsy). The most intensive activity of the basic phosphatase was found in the internal bulb of the receptor. It is less intensive in the shells of the fiber, in the axial cylinder, and in the external capsule. According to these and other results of this investigation, the lamellar bodies do not contain choline esterase (cholinesterase). A pseudo-esterase is found only in the splanchnic part of the internal bulb of the receptor. The activity of all the investigated ferments was changed by irradiation. This activity was intensified in the internal bulb and also in the shells of the nerve fibers. According to the investigation of preparations with acid phosphatase, the intensity of the reaction is less intensive in irradiated receptors than in non-irradiated ones. The activity of the choline esterase in the irradiated receptors varies in the same way as the activity of the basic phosphatase. According to the

Card 2/3

The Influence of Irradiation on the Activity of Some Ferments Localized in the Structures of the Lamellar Bodies of the Mesentery of Cats SOV/20-121-5-18/50

results of this paper, the X-rays (of the doses applied by the author) distinctly change the activity of the ferments in the lamellar bodies of the mesentery of cats. Nevertheless, the localization of the ferments is not changed. The variations of the ferment activity in the irradiated receptors indicate a variation of its chemism. However, the available results are not sufficient for a determination of its chemism. At the moment of irradiation, the electrons have an exciting influence upon the receptors. There are 2 figures and 8 references, 4 of which are Soviet.

PRESENTED: February 17, 1958, by N.N.Anichkov, Academician

SUBMITTED: February 14, 1958
Card 3/3

AFRIKANOVA, L.A.; VLASOVA, Ye.F.; URATKOV, Ye.F.

Effect of hypothermia on the development of acute radiation necrosis
of the skin. Med. rad. 5 no.9:43-47 S '60. (MIRA 13:12)
(RADIATION SICKNESS) (SKIN--DISEASES)
(BODY TEMPERATURE)

AFRIKANOVA, L.A.

Acute radiation necrosis of the skin. Arkh. pat. 23 no.3:26-33
'61. (MIRA 14:3)
(SKIN--DISEASES) (RADIATION SICKNESS)

AFRIKANOVA, L.A.

Histochemical investigation of the polysaccharide content of
the skin during the healing of acute radiation necrosis.
Dokl. AN SSSR 140 no.5:1181-1184 0 '61. (MIRA 15:2)

1. Institut biologicheskoy fiziki AN SSSR. Predstavleno akademikom
N.N.Anichkovym.

(POLYSACCHARIDES)
(RADIATION--PHYSIOLOGICAL EFFECT)
(SKIN)

L 17055-63 EWT(m)/BDS/ES(j) AFPTC/ASD/AFWL S/205/63/003/002/023/024

K

AUTHOR: Afrikanova, L. A. 53

TITLE: Study of early structural changes of irradiated intraauricular septum in frogs (in vivo) and histochemical observations

PERIODICALS: Radiobiologiya, v. 3, no. 2, 1963, 300-310

TEXT: The question regarding early changes in many tissue systems, particularly nerve tissues, and the effect of disruption of blood circulation in the genesis of these changes during the action of ionizing radiation on living objects up to the present time did not find satisfactory solution. In the recent decade a number of investigations occurred in which there exist indirect proofs of the possible damage of nervous structures independent of vascular disruptions. In this respect it was of interest to study the reaction of nerve elements in model experiments. An interesting model for realization of such experiments was the preparation made of intra-auricular septum of beating frog heart, prepared by Gramenitskiy method. This preparation permits one to conduct prolonged observations of the state of various tissue systems and particularly living nerve cells located along the vagosympathetic trunk in the absence of active blood circulation. The most significant was the discovery of changes in many structures which show the disruption of permeability of cell

Card 1/2

L 17055-63

Study of early

S/205/63/003/002/023/024

membranes and membranes of mitochondria. Under experimental conditions these phenomena occurred in the process of irradiation or shortly after it and their significance for the development of subsequent changes in the state of cell structures is insurmountable. The article contains 4 figures and a 27-item bibliography.

SUBMITTED: July 25, 1962

Card 2/2

AFRIKANOVA, L.A., (Moskva); KRAYEVSKIY, N.A., prof., nauchnyy rukovoditel'
raboty

Role of the panniculus adiposus in the reparative process following
severe radiation injuries of the skin. Arkh. pat. 27 no.8:18-24
'65. (MIRA 18:10)

1. Deystvitel'nyy chlen AMN SSSR (for Kravevskiy).

AFRIKANOVA, L.A. (Moskva)

Possible mechanisms of disorders of reparative processes in irradiated skin. Arkh. pat. 27 no.11:53-59 '65. (MIRA 18:12)

1. Submitted February 20, 1964.

AFRIKANOVA, L.A. (Moskva); KRAYEVSKIY, N.A., prof., nauchnyy rukovoditel'
raboty

Skin repair in acute radiation-induced necroses. Arkh. pat.
24 no.11:42-46 '62. (MIRA 18:12)

1. Deystvitel'nyy chlen AMN SSSR (for Krayevskiy). Submitted
January 4, 1962.

LEYPUNSKIY, A.I.; KAZACHKOVSKIY, O.D.; AFRIKANTOV, I.I.; PINKHASIK,
M.S.; KRASNOYAROV, N.V.; POYDO, M.S.

Sodium-cooled fast reactors. Atom. energ. 17 no.5:345-348

N '64.

(MIRA 17:12)

AFRIKANTOV, I.I.; MORDVINOV, N.M.; NOVIKOV, P.D.; POLOGIKH, B.G.;
SLEDZYUK, A.K.; KHLOPKIN, N.S.; TSAREV, N.M.

Exploitation of the atomic plant on the "Lenin" icebreaker.

Atom. energ. 17 no.5:349-359 N '64.

(MIRA 17:12)

5

L 5171-66 SFA(s)-2/LNT(m)/SFF(c)/GPF(n)-2/ENF(m)/V/ENF(t)/SFF(b) IJF(c)
ACCESSION NR: AT5022451 JD/MS/MS/SS UR/0000/65/000/000/0001/0030

AUTHOR: Leypunskiy, A. I.; Kazachkovskiy, O. D.; Pinkhasik, M. S.;
Krasnoyarov, N. V.; Bagdasarov, Yu. Ye.; Troyanov, M. F.; Milovidov,
I. V.; Afrikantov, I. I.; Poydo, M. S. (Deceased); Stekol'nikov, V.V.

TITLE: BN-350 nuclear power plant

SOURCE: Obninsk. Fiziko-energeticheskiy institut. Doklady, 1968.
Atomnaya stantsiya BN-350, 1-30

TOPIC TAGS: nuclear power plant, liquid metal cooled reactor,
fast reactor, nuclear reactor technology, desalination

53
51
811

ABSTRACT: After a brief discussion of the advantages of using fast
neutron reactors for power production, a new 350 Mw fast neutron
sodium cooled reactor of BN-350 type is described. At present, a
power plant equipped with such reactors and P-50 back pressure steam
turbines is under construction in the Mangyshlak peninsula area at
the northeastern coast of the Caspian Sea. The dual-purpose plant
will generate 150 Mw of electric power and produce 1200 ton/hr of

Card 1/4

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L 5171-66

ACCESSION NR: AT5022451

2

steam. The steam will be used by a desalting plant designed to supply 120,000 cu m of fresh water per day. It is expected that the power plant will be put into operation in 1968 or 1969. The primary and the secondary intermediate loops of the reactor will be cooled by liquid sodium. The third loop will be of steam-water type. The reactor core carries 211 hexagonal fuel assemblies each containing 169 uranium-dioxide elements. At the beginning, a compound of uranium-dioxide and plutonium will be used in fuel elements. There are 120 inner and 320 outer assemblies placed in concrete shields. The selected essential data on BN-350 reactor are as follows:

Thermal power	1000 Mw
Core Volume	1.87 cu m
Core diameter	1.495 m
Core height	1.06 m
Vessel diameter	6 m
Vessel height	2.2 m
Coolant temperature (inlet)	300 C
Coolant temperature (outlet)	500 C

Card 8/4

L 5171-66

ACCESSION NR: AT5022451

Many other details and data are given on reactor core and concrete shielding as well as on the reactor tank made of X18Ni9 stainless steel. A special chapter is devoted to the discussions of various control systems including power control, measurements, automatic regulation, reactivity compensation, and emergency protection. The replacement and handling of fuel elements is also discussed. The radiation shielding is briefly described. Some information is given on the selection of materials as well as on the experimental investigation of various control and safety systems. An extensive analysis of heat transfer system is also presented dealing with primary and secondary loops, heat exchanger, pumps, piping, emergency heat removal, steam generators and other equipment. In conclusion, some further possible improvements in the design and operation of fast neutron reactors are outlined including a more efficient burn-up of

Card 3/4

L 5171-66

ACCESSION NR: AT5022451

fuel elements, a further increase in temperature and an eventual use of fuel carbides instead of oxides. Orig. art. has: 2 tables and 6 figures.

ASSOCIATION: none

SUBMITTED: 02Mar65

ENCL: 00

SUB CODE: EE, NP

NO REF SOV: 000

OTHER: 000

Card 4/4 *hd*

AFRIKANTOV, Slivko, Lubyanetskiy, Chevskiy, Lazarev

"Distinguished Jubilists: Stepan Georgiyevich Dyrchenkov and Boris Kharlampiyevich Medvedev"

Veterinariya, Vol 29, No 12, 1951

BURKAN, G.G., assistant; AFRIKANTOV, S.G., veter. vrach-gel'mintolog

Practices in treating fascioliasis in cattle. Veterinariia 42
no.10:47-48 0 '65. (MIRA 18:10)

1. Kazansky veterinarnyy institut (for Burkan). 2. Ministerstvo
sel'skogo khozyaystva Tatarskoy ASSR (for Afrikantov).

RYZHIKOV, A.A., doktor tekhnicheskikh nauk; AFRIKANTOV, S.S., inzhener,
GURYLEV, K.P., inzhener.

Increasing the density and uniformity of structure in castings. Lit.
preisv. no.5:20-22 My '57. (MIRA 10:6)

(Founding--Quality control)

USSR/Farm Animals - Horses

Q

Abs Jour : Ref Zhur - Biol., No 15, 1958, 69256

Author : Afrikantov, V.

Inst : -

Title : Nutrition of Horses in China

Orig Pub : Konevodstvo, 1957, No 11, 46-47

Abstract : No abstract.

Card 1/1

- 14 -

AFRIKANTOV, V.A., dotsent, kandidat veterinarnykh nauk.

An old Chinese method of swine castration. Veterinariia 33 no.4:61-62
Ap '56. (Castration) (Swine) (MIRA 9:7)

AFRIKANTOV, V.A., dots., kand. vet. nauk

Chinese and Japanese splints for immobilizing the extremities.
Veterinariia 36 no.1:87-88 Ja '59. (MIRA 12:1)
(Splints (Surgery)) (Veterinary surgery)

DAKHNOV, V.N., doktor geol.-miner. nauk; KHOLIN, A.I., kand. geol.-
miner.nauk; PESTRIKOV, A.S.; GALUZO, Yu.V.; AFRIKYAN, AN.;
YUDKEVICH, R.V.; POPOV, V.K.; POZIN, L.Z.; LARIONOV, V.V.;
VENDEL'SHTEYN, B.Yu.; GORBUNOVA, V.I.; DZYURAK, M.D.; YEVDOKIMOVA,
V.A.; ZHOKHOVA, R.G.; LATYSHEVA, M.G.; MAREN'KO, N.N.; MANCHEVA,
N.V.; MOROZOVICH, Ya.R.; OREKHOVSKAYA, Ye.P.; POKLONOV, M.S.;
ROMANOVA, T.F.; SEVOST'YANOV, M.M.; TANASEVICH, N.I.; FARMANOVA,
N.V.; FEDOROVICH, G.P.; SHCHERBININ, V.A.; ELLANSKIY, M.M.;
YANUSH, Ye.F.; YUNGANS, S.M., ved. red.; YAKOVLEVA, Z.I., tekhn.
red.

[Using methods of field geophysics in studying gas-bearing re-
servoirs]Primenenie metodov promyslovoi geofiziki pri izuchenii ga-
zonosnykh kollektorov. Moskva, Gostoptekhizdat, 1962. 279 p.

(MIRA 16:2)

(Gas, Natural--Geology)
(Prospecting--Geophysical methods)

AFRIKYAN, A.N.; YARKINA, Ye.P.

Isolation of oil-reservoir rocks in carbonate sediments based
on the materials of geophysical study of wells. Trudy VNIING
no.1:179-190 '62. (MIRA 16:10)

AFRIKYAN, A.N.; YARKINA, Ye.P.

Isolation of karst zones by industrial and field geophysical methods in sections of Volgograd Province. Geol.nefti i gaza 6 no.4:55-58 Ap '62. (MIRA 15:4)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti im. akademika Gubkina i Volgogradskiy nauchno-issledovatel'skiy institut neftyanoy i gazovoy promyshlennosti. (Volgograd Province--Karst)

AFRIKYAN, A.N.; ZALUTSKIY, A.M.

Using large electric probes to study carbonate sediments of
Volgograd Province. Trudy MINKHiGP no.41:118-127 '63.

(MIRA 16:10)

11 FRIK YAN B. 1.

...the highest ...

total tannin 2.19, ... and vitamin
1.3 mg./l., vitamin B₁ 44.0, and nicotinic acid 82.0 μ , ash
2.24 g./l., III 4.00, IV 1.50, and V 2.50 meq./l., resp. Ex-
cept for I, vitamin C, ash, and pH these are the highest abs.
values. The units of acetol tannin and Ash are approx-
imately twice as high as in the ...

AFRIKYAN, B.L.

Age variations of tannin content in varieties of grapes.
N. M. Siskiyau, L. A. Egorov, and B. L. Afrikyan. *Biokhim.
Vinechija, Akad. Nauk S. S. S. R. Sbornik* 1: 188-89 (1951).
The sherry varieties of grapes show 2 max. of tannin content
in the leaves with an intervening min. at the beginning of
ripening, when the tannins begin to flow into the berries.
Water-sol. tannins decline in the seeds as ripening proceeds.
The nonsherry grapes show a single max. of tannins which
appears generally before ripening; the drop of tannins in
these grapes in the leaves and berries is accompanied by a
rise of tannins in the seeds. Both chem. and spectrophoto-
metric methods were used. G. M. Kosolapoff

1- inst. Vinodelija i Vinogradarstva An Armyanskoy SSR.
2. Inst. Biokhimii im. A. N. Bakha

USSR/Biology - Biochemistry

Card : 1/1

Authors : Afrikyan, B. L., Marutyan, S. A. and Sasyan, R. G.

Title : Forms of reserve carbohydrates in grape vines

Periodical : Dokl. AN SSSR, 96, Ed. 6, 1195 - 1196, June 1954

Abstract : The basic reserve carbohydrate in perennial plants including grape vines is starch. Experimental data show that hemicellulose in addition to starch is also a reserve carbohydrate found in grape vines, the latter takes an active part in the carbohydrate exchange of the plant. Nine references. Graphs.

Institution : Ministry of Food Industry Arm-SSR, Institute of Viti- and Viniculture

Presented by : Academician A. L. Kursanov, March 18, 1954

AFRIKYAN, B.L.

Biochemical characteristics of hybrid grape seedlings. Biokhim. vin.
no.5:237-252. '57. (MIRA 10:6)

1. Institut vinodeliya i vinogradarstva AN Armyanskoy SSR,
(Armenia--Grape breeding)

AFRIKYAN, B.L.; MARUTYAN, S.A.; PETROSYAN, Zh.A.

Effect of leaving grapevines uncovered in winter on the
carbohydrate metabolism in grape shoots, Izv. AN Arm. SSR.
Biol. nauki 16 no.7:41-46 JI '63. (MIRA 16:11)

1. Institut vinogradarstva, vinodeliya i plodovodstva Armenii.

USSR/Medicine - Literature
Medicine - Surgery

Feb 49

"New Books on Surgery in 1948" 2 pp

"Vest Khirurgi" Vol LXIX, No 2

Reviews 31 books, among them "Penicillin and Its Use in Medicine," by E. G. Afanasyev, "Traumatic Shock," by S. I. Baneytis, "Combat Trauma and Its Complications," "Skin Graft in the Treatment of Inflammation of Stumps," by A. I. Oska, "Outline of the Scientific Activity of the Office of General Surgery of the Molotov Medical Institute in the Years of the Great Patriotic War," by B. V. Parin, "First Moscow Order of Lenin Medical

50/49775

USSR/Medicine - Literature (Contd)

Feb 49

Institute," "Traumata of the Nervous System and Their Consequences," "Sanitation Service in the Days of the Great Patriotic War," "Penicillin (Its Use in Surgical Practice)," by P. I. Sel'tsovskiy, "Transplantation of the Heart, a New Technique in Experimental Biology and Medicine," by N. P. Sindayev, "Activities of the Army Medical Academy (Ismeni S. M. Kirov)," Vol 35, "Handbook on Surgical Works," "Encyclopedic Dictionary of Army Medicine," and "Penicillin in Surgery" by V. Ye. Shlapover'skiy.

50/49775

AFRIKYAN, E.G.; BOBIKYAN, R.A.

Formation and distribution of vitamin B₁₂ in soil. Trudy
Inst. mikrobiol. no.11:341-345 '61 (MIRA 16:11)

1. Sektor mikrobiologii AN Armyanskoy SSR.

*

University, U. S.

"Spore forming bacteria."

report submitted for Symp on Ecology of Soil Bacteria, Liverpool, UK, 6-10
Sep 1965.

AFRIKYAN, E.K.

Grouping of the sporeforming soil bacteria. Izv.AN Arm.SSR.Biol.i
sel'khoz.nauki. 4 no.12:1129-1141 '51. (MLRA 9:8)

1. Sektor mikrobiologii Akademii nauk Armyanskoy SSR.
(Bacteria, Sporeforming) (Soils--Bacteriology)

Afrikyan, E. K.

✓ A review of research studies in microbiology. E. K. Afrikyan. *Izvest. Akad. Nauk Armyan. S.S.R. Biol. Ser. Zhurnal Nauki* 6, No. 12, 35-54 (1953); *Referat. Zhur. Biol.* 1955, No. 352.—The results of studies for the past 10 years at this Armenian institute in general, soil, and tech. microbiology were reviewed. In soil bacteriology attention was given primarily to the soil of Armenia, to N-fixation, and antagonistic influences among the different types of microflora, and in tech. microbiology to yeasts and lactic acid bacteria and their utilization in the dairy food industries, and in medicine. Some attention was given to plant pathology. B. S. Levine

Sector Microbiology, AS Armenian SSR

AFRIKYAN, E.K.

USSR / Microbiology. Antibiosis and Symbiosis. Antibiotics. F-2

Abs Jour: Referat Zh.-Biol., No 6, 25 March, 1957, 21821

Author : Afrikyan, E.K.

Inst :

Title : The Laws Governing the Ecologic-Geographical Spread of Bac. mycoides and Bac. mesentericus in the Light of Data as to Interspecies Antagonism.

Orig Pub: Tr. In-ta Mikrobiologiy, 1954, No 3, 144-153

Abstract: Of 117 soil samples from Armenia, Georgia and Azerbaijan, more than 2,500 strains of B. mycoides and B. mesentericus were isolated. In these, manifestations were studied of reciprocal antagonisms and antagonism in relation to other microbial groups (to streptococci, intestinal bacteria, mycococcus, monilia). Bacillus mycoides is devoid of antibacterial properties; on the other hand, all bacteria of the subtilis-mesentericus group inhibited the growth of B. mycoides on nutrient media, also on sterile and unsterile soils. The anta-

Card : 1/2

-1-

USSR / Microbiology. Antibiosis and Symbiosis. Antibiotics. F-2

Abs Jour: Referat Zh.-Biol., No 6, 25 March, 1957, 21821

gonistic action of *B. mesentericus* is more pronounced when more vegetative forms and fewer spores of the given species are found in the soil. The subtilis-mesentericus group of bacteria was located by the author in the brown soils of lowland districts, while *B. mycoides* were in hilly soils containing much organic matter. The antagonism of *B. mycoides* and bacteria of the subtilis-mesentericus group, in the author's opinion, is one of the factors which determines the ecologic-geographic distribution of these bacteria in the soil.

Card : 2/2

-2-

AFRIKYAN E.K.

Antagonistic effect of sporogenic bacteria on cultures of Azotobacter.
Trudy Inst. mikrobiol. no.3:154-165 '54. (MLRA 8:3)

(AZOTOBACTER,

antag. by Bacillus mesentericus & Bacillus subtilis)

(BACILLUS,

mesentericus, antag. of Azotobacter)

(BACILLUS,

subtilis, antag. of Azotobacter)

AFRIKYAN, E. K.

140 ✓ Specific saccharolytic properties of left and right spiralled colonies of *Bacillus mycooides*. E. K. Afrikyan. *Doklady Akad. Nauk Armyan. S.S.R.* 20, 139-42 (1955) (in Russian; Armenian summary).—A majority of cultures of *B. mycooides*, regardless whether left or right spiralled produced no inversion of sucrose nor showed any appreciable difference in acidity of culture media. V. S. Mihajlov

AFRIKYAN, E.K.

The ecological-geographic regularity of distribution in soil of the left and right twisted types of Bac. mycoides. Dokl. AN Arm. SSR 20 no.5:193-196 '55. (MIRA 8:7)

1. Sektor mikrobiologii Akademii nauk Armyanskoy SSR. Predstavleno G.Kh. Bunyatyanom. (Bacillus mycoides)

AFRIKYAN, E. K.

"Brief Information on the Results of Research and Organizational Activity of the Microbiology Sector of the Academy of Sciences of the Armenian SSR During 1954," Mikrobiologiya, 24, No.4, pp. 505-06, 1955

Translation U-8850, 18 Sep 56

AFRIKYAN, E. K.

USSR / Microbiology. Antibiosis and Symbiosis. F
Antibiotics. Antibiosis.

Abs Jour : Ref Zhur - Biologiya, No 6, 1959, No. 24028

Author : Afrikyan, E. K.; Tumanyan, V. G.

Inst : Not given

Title : The Antagonistic Action of Soil Micro-organisms on Cultures of Bacterium Radicicola

Orig Pub : Izv. AN ArmSSR. Biol. i s.-kh. n., 1958, 11, No 2, 37-46

Abstract : Various degrees of antagonistic action of actinomyces, sporogenous and non-sporogenous bacteria with respect to B. radicicola (BR) were established. It was shown that the strongest antagonists to BR are found among the bacilli of the group Bac. subtilis-mesentericus and Bac. circulans-polymyxa, and among

Card 1/2

AFRIKYAN, E.K.; TUMANYAN, V.G.; BOBIKYAN, R.A.

Effect of penetrating radiations on the nitrogen-fixing activity
of Azotobacter cultures. Dokl. AN Arm. SSR 26 no.4:253-256 '58.

(MIRA 11:5)

1. Sektor mikrobiologii Akademii nauk Armyanskoy SSR. Predstavleno
V.A. Farandzhyanom.

(Azotobacter) (X rays--Physiological effect)

AFRIKYAN, Evrik Kegamovich; PANOSYAN, A.K., otv.red.; OVAKIMYAN, A.A.,
red.izd-va; AZIZBEKYAN, L.A., tekhn.red.

[Bacterial antagonists and their use] Bakteri-antagonisty i
ikh primeneniye. Erevan, Izd-vo Akad.nauk Armianskoi SSR, 1959.
118 p. (MIRA 13:11)

(BACTERIAL ANTAGONISM)

50(1)

AUTHORS: Afrikyan, E. K., Kuchayeva, A. G., Candidates of Biological Sciences

TITLE: Use of Antibiotics in Plant Cultivation (Primeneniye antibiotikov v rasteniyewodstve).

PERIODICAL: Vestnik Akademii nauk SSSR, 1959, Nr 1, pp 142-143 (USSR)

ABSTRACT: A conference dealing with this subject took place in Yerevan from 8 to 13 October, 1958; it had been called by the Institut mikrobiologii Akademii nauk SSSR (Microbiological Institute of the Academy of Sciences USSR), the Vsesoyuznyy institut sel'skokhozyaystvennoy mikrobiologii VASKhNIL (All-Union Institute for Agricultural Microbiology of the VASKhNIL) and the Sektor mikrobiologii Akademii nauk Armyanskoy SSR (Department for Microbiology of the Academy of Sciences of the Armyanskaya SSR). Scientists who investigate antibiotic substances and their application to various fields of economy participated in the conference. It was the aim of the conference to systematize the collected material and to work out an effective method of application of antibiotics to plant cultivation. V. A. Ambartsumyan, President of the AS Armyanskaya SSR opened the conference. N. A. Krasil'nikov spoke about

Card 1/4

SOV/20-29-T-20/21

Use of Antibiotics in Plant Cultivation

spoke about the successful utilization of several bacteria against diseases of vegetable cultures and potato wilt.

Yu. M. Voznyakovskaya, O. G. Shirokov, A. D. Nalbandyan dealt with the utilization of epiphyte microflora in fighting several fungus diseases in plants.

D. M. Trakhtenberg, E. I. Rodionovskaya, L. P. Starygina, U. G. Oksent'yan mentioned results obtained in investigation of phytobacteriomycene as well as its utilization in fighting diseases occurring in cotton bushes and beans.

R. M. Galach'yan, Ye. P. Protzenko, A. G. Kuchayeva, B. A. Chelyshkina tried the effect of antibiotic preparations as tomatoseed steeps against bacterial cankers in fighting diseases of decorative plants.

Ye. Ya. Rashba, K. I. Bel'tyukova described the investigation of plant antibiotics.

Z. E. Bekker, A. B. Silayev spoke about the production of the preparations "grizeoful'vin" and "trikhotetsin" and their effect on fungus carriers of diseases in cabbage, wheat and water melons.

A. G. Kuchayeva reported on results achieved in the utilization of antibiotics against unpaired silk moths.

Card 3/4

~~AFRIKYAN, E.K.~~

All-Union Conference on the Use of Antibiotics in Plant Culture.
Izv.AN SSSR.Ser.biol. no.3:466-468 My-Je '59. (MIRA 12:9)
(ANTIBIOTICS) (PLANT DISEASES)

AFRIKYAN, E.K.; BOBIKYAN, R.A.

Presence and formation of vitamin B₂ in the soil. Dokl. AN Arm. SSR
29 no.2:89-92 '59. (MIRA 12:11)

1. Predstavleno akademikom AN Armyanskoy SSR M.A. Ter-Karapetyanom.
(RIBOFLAVIN)

AFRIKYAN, E.K.

Sixtieth annual meeting of the Society of American Bacteriologists.
Microbiologia 29 no.6:940-944 N-D '60. (MIRA 14:1)
(UNITED STATES—MICROBIOLOGY—CONGRESSES)

AFRIKYAN, E.K.; TUMANYAN, V.G.; SARUKHANYAN, L.B.; BOBIKYAN, R.A.; AVAKYAN,
Z.G.

Effect of antibiotics on the causative agents of bacterial diseases
of silkworms. Dokl. An ARM SSR 32 no.2:113-116 '61. (MIRA 14:3)

1. Sektor mikrobiologii Akademii nauk Armyanskoy SSR. Predstavleno
akademikom AN Armyanskoy SSR V.O. Gulkanyanom.
(SILKWORMS—DISEASES AND PESTS)

AFRIKYAN, E.K.; TUMANYAN, V.G.; CHIL-AKOPYAN, L.A.; BOBIKYAN, R.A.;
SARUKHANYAN, L.B.; AVAKYAN, Z.G.

Effectiveness of antibiotics in bacterial diseases of the silkworm
and in increasing productiveness. Dokl. AN Arm. SSR 32 no.3:155-158
'61. (MIRA 14:5)

L. Sektor mikrobiologii Akademii nauk Armyanskoy SSR. Predstavleno
akademikom AN Armyanskoy SSR V.O. Gulkanyanom.
(Silkworms--Diseases and pests) (Antibiotics)