IL'IN, V.G., mayor meditsinskoy sluzhby; KAZANKOV, V.I., starshina

Electric dust atomizer. Voen.-med.zhur. no.9:89-90 S '59.
(MIRA 13:1)

(DISINFECTION, equipment & supplies)

BASOV, N.I.; KAZANKOV, Yu.V.; FELIVCHUK, I.I.

Studying the pressure distribution in a mold for injection molding of polystyrene in a hydraulic machine. Trudy MIKHM [illegible] '64.

Studying the stresses in the mold of an injection molding press. Tbid.:105-115 (MIRA 18:8)

BASOV, N.I.; KAZANKOV, Yu.V.; FELIPCHUK, I.I.

Investigation of the basic technological parameters of polystyrene injection molding with precompression of a molten material. Plast. massy no.11:23-29 '63. (MIRA 16:12)

MASTENITSA, M.A.; KSENOFONTOVA, P.D.; KOROLENKO, G.A.; KAZANKOVA, A.Ye.

Study of the effect of meteorological factors on the incidence of influenza and acute catarrhs of the upper respiratory tracts. Trudy TomNIIVS 14:[illegible]. (MIRA 17:7)

1. Tomskiy nauchno-issledovatel'skiy institut vaktsin i syvorotok. Tomskiy meditsinskiy institut i Tomskaya gorodskaya sanitarno-epidemiologicheskaya stantsiya.

KAZANKOVA, K.; KHEYFETS, S.

Business accounting and planning unit costs of industrial products.
Fin. SSSR 22 no.3:66-73 Mr '61. (MIRA 14:7)
(Cost, Industrial)

BORODAVKIN, Andrey Nikitich; KAZANKOVA, K., otv. red.; SHATROVA,T., red.izd-va; TELEGINA, T., tekhn. red.

[Analysis of the utilization of the working capital of an enterprise] Analiz ispol'zovaniia oborotnykh sredstv predpriiatiia. Moskva, Gosfinizdat, 1963. 87 p. (MIRA 16:5)
(Finance)

KAZANKOVA, M.A., [illegible]

Reaction of [illegible] with a ketone dimer. Zhur. obs. khim. 35 no.8:1347-1349 Ag '65.

(MIRA 18:9)

[redacted], P.

Study of the conditions of terrain penetrability. No 5.

Tankist, No 12, 1948.

KAZANNIKOV, I.

If we don't thin of people. Okh.truda i sots.strakh. no.1:50-52 Ja 60. (MIRA 13:5)

1. Glavnyy tekhnicheskiy inspektor Belorusskogo respublikanskogo soveta profsoyuzov, Minsk.
(Agricultural machinery)

KAZANNIKOV, I.

Let's train the specialist of tomorrow. Okhr. truda i sots. strakh. 4 no.3:32-34 Mr '61. (MIRA 14:3)

1. Glavnyy tekhnicheskiy inspektor Belorusskogo respublikanskogo soveta profsoyuzov po sel'skomu khozyaystvu.
(Minsk Province--Farm mechanization--Hygienic aspects)

KAZANNIKOV, I.; KHOMICH, P.; PARKHIMCHIK, N.

Only one is responsible for everything. Okhr. truda i sots. strakh. 5 no.7:28 Jl '62. (MIRA 15:7)

1. Glavnyy tekhnicheskiy inspektor Belorusskogo respublikanskogo soveta profsoyuzov (for Kazannikov). 2. Tekhnicheskiy inspektor Belorusskogo respublikanskogo soveta profsoyuzov (for Khomich). 3. Tekhnicheskiy inspektor Minskogo oblastnogo soveta profsoyuzov (for Parkhimchik).

(AGRICULTURE--HYGIENIC ASPECTS)

KAZANNIKOV, I.

Don't joke with poisons. Okhr.truda i sots.strakh. 5 no.11:22 N '62. (MIRA 15:12)

1. Glavnyy tekhnicheskiy inspektor Belsovprofa po sel'skomu khozyaystvu.
(Spraying and dusting equipment—Hygienic aspects)

ROMANENKO, Yakov Grigor'yevich; KAZANNIKOV, Ivan Anisimovich; VOROBEY, P.S., red.; ZUYKOVA, V.I., tekhn. red.

[Organization of the protection of labor on collective farms] Organizatsiia raboty po okhrane truda v kolkhoze. Minsk, Izd-vo Akad. sel'khoz.nauk BSSR, 1960. 99 p. (MIRA 14:12)
(Agriculture--Safety measures)

KAZANNIKOV, I.

Agriculture should have safe machinery. Okhr.truda i sots.strakh. 4 no.7:8-10 Jl '61. (MIRA 14:7)

1. Glavnyy tekhnicheskiy inspektor Belorusskogo respublikanskogo soveta profsoyuzov.
(Agricultural machinery--Safety appliances)

KAZANNIKOV, Ye.A.

Occurrence of Physa acuta Drap. in the Central Caucasus.
Uch. zap. SOGPI 26 no.2:99-100 '64.
(MIRA 19:1)

NAD', M.M.; TALALAYEVA, T.V.; KAZANNIKOVA, G.V.; KOCHESHKOV, K.A.

Fluorinated styrols. Report No.1: 2,4-diflourostyrene. Izv. AN SSSR. Otd.khim.nauk no.1:65-70 Ja '59. (MIRA 12:4)

1. Fiziko-khimicheskiy institut im. L.Ya. Kirova.
(Styrene)

KAZANOK, A.F.

Alfalfa

High yield of hay and seed from summer-sown alfalfa. A. F. Kazanok. Korm. baza 3, No. 7, 1952.

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

KASANOV, A.

Lenin, Vladimir Il'ich, 1870-1924

The economic program of the Bolshevik Party on the eve of the October revolution. (35th anniversary of the April theses of V.I. Lenin). Vop.ekon. no. 5, 1952.

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

KAMANOV, A.

Communism

"The economic program of the Bolshevik party on the eve of the October r volution (35th anniversary of the April theses of V.I. Lenin)." Vop. ekon. No. 5, 1952.

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

KAZANOV F V.

Name: KAZANOV, F. V.

Dissertation: Trees and shrubs, their selection and combination for shelterbelts in northeastern districts of Krasnodar Territory

Degree: Cand Agr Sci

Defended at:
~~Affiliation~~: Min Higher Education USSR, Azerbaijan Agricultural Inst

Publication
~~Defense Date~~, Place: 1956, Krasnodar

Source: Knizhnaya Letopis', No 4, 1957

KAZANOV F V.

J-4

USSR/Forestry. Dendrology.

Abs Jour: Referat Zh.-Biol., No 6, 1957, 22612

Author : Kazanov, F.V.
Inst : 0
Title : Hartwiss Oak in Steppe Forestry.

Orig Pub: Lesnoe kh-vo, 1956, No 8, 82

Abstract: Hartwiss Oak (Quercus HartwissianaSten) grows in the Caucasus. It grows in forests of the lower mountain belt and rises to an elevation of 1200 m above sea-level. It forms no pure plantations, but is mixed with hornbeam, beech and other varieties. In 1952 the Novo-[illegible]sk steppe forests were inspected in order to observe and [illegible] plantations with an admixture of this oak. The fundamental measurements and forest economy data of inspected plantations are given. It was noted that the Hartwiss oak grows rapidly and yields more wood pulp of a better quality compared with the petiolate oak. It is recommended that it be widely planted on steppe forest strips.

Card : 1/1

PA 20/49T45

KAZANOV, G. M.

Sep 48

USSR/Engineering
Cutting Torches
Steel, Cutting

"Semiautomatic Machine for Gas Cutting of Steel Thicknesses of From 100 to 300 Millimeters," G. M. Kazanov, V. A. Toropov, Engineers, All-Union Sci Res Inst of Autogenous Welding, 1 3/4 pp

"Avtogennoye Delo" No 9 - pp 26-27

Describes trials of machine produced by VNIIAVTOGEN. Includes one table, and three photographs.

20/49T45

KAZANOV, G.M.

Technology

Instructions for using the double torch semiautomatic machine PL-2, Sverdlovsk, 1951.

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

SOV/126-6-5-28/43

AUTHORS: Akhiyezer, A. I., Bar'yakhtar, V. G. and Kazanov, M.I.

TITLE: On the Problem of the Ferromagnetic Resonance Line Width (K voprosu o shirine linii ferromagnitnogo rezonansa)

PERIODICAL: Fizika Metallov i Metallovedeniye, 1958, Vol 6, Nr 5, pp 932-934 (USSR)

ABSTRACT: Kittel and Herring (Ref 5) and Ament and Rado (Ref 6) showed that the exchange interaction may broaden the ferromagnetic resonance lines if the magnetic moment is not uniform. Such a non-uniformity does in fact occur in ferromagnetic metals due to the skin effect. The present paper estimates the magnitude of broadening (γ_e) of the ferromagnetic resonance lines due to the exchange interaction. The value of γ_e is given as a function of the parameters of the ferromagnetic and of the frequency ω in Eq (5). The symbols used in Eq (5) have the following meanings:
θ_c is the Curie temperature in ergs,
a is the lattice constant,
c is the velocity of light

Card1/3

On the Problem of the Ferromagnetic Resonance Line Width

σ is the electrical conductivity
γ_r is the broadening due to relaxational processes,
g is the gyromagnetic ratio,
M_o is the magnetic moment at saturation and
B_o is the magnetic flux density at saturation.
The total broadening γ is given by $\gamma = \gamma_e + \gamma_r$.

The results obtained are generalised to the case of the anomalous skin effect at low temperatures. The expressions for γ_e^a (which is the value of γ_e in the case of the anomalous skin effect) and γ_r are then given by Eq (6), where ℓ is the mean free path of electrons. Comparison of Eqs (6) and (5) shows that γ_e^a is much smaller than γ_e. Dependence of $\gamma = \gamma_e + \gamma_r$ on temperature is given in Fig.1. The total broadening γ is seen to have a minimum, but this can be observed only in very pure samples.

Card2/3

SOV/126-6-5-28/43

On the Problem of the Ferromagnetic Resonance Line Width

There are 1 figure and 10 references, 2 of which are Soviet, 7 English and 1 French.

ASSOCIATION: Fiziko-tekhnicheskiy institut AN USSR (Physico-technical institute, Ac.Sc. Ukrainian SSR)

SUBMITTED: August 21, 1957

Card 3/3

L 44230-66 EWT(1)/T JK

ACC NR: AP6023571 (A) SOURCE CODE: UR/0018/66/000/007/0040/0041

AUTHOR: Kiyanitsa, P. (Lieutenant general of the signal corps); Kazanov, V. (Colonel)

ORG: none

TITLE: Correct methods of using communications equipment

SOURCE: Voyennyy vestnik, no. 7, 1966, 40-41

TOPIC TAGS: communication equipment, military communication, ~~training~~, communication ~~procedure~~ operation, limited war communication

ABSTRACT: A lieutenant general in the Communications Corps describes correct methods of using communications equipment and mentions that in the modern combat situation and during reconnaissance information is transmitted continuously to small units. From small units to headquarters, messages are transmitted every 10 to 15 minutes. Information concerning atomic and bacteriological attacks is transmitted immediately. [WS]

SUB CODE: 15, 17/ SUBM DATE: none/

Card 1/1

RYASHENTSEV, N.P., kand. tekhn. nauk; MALOV, A.T.; KAZANOV, V.K.; TIMOSHENKO, Ye.M., kand. tekhn. nauk; FROLOV, A.V., kand. tekhn. nauk

Introducing a riveter with an electromagnetic percussion unit for riveting hinged joints. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 18 no.10:18-19 O '65. (MIRA 18:12)

BELETSKIY, F.A., dots., kand. fiz.-matem.nauk; BIRKUN, N.Ye., inzh.; KAZANOV, V.A., inzh.; KLYUSHIN, S.M., dots.; KRUCHININ, V.L., inzh.; MARCHENKOV, Ya.P., dots.; PISKAREV, V.S., inzh.; RUTSKIY, A.I., inzh.; SOKOLOV, N.M., dots., kand. tekhn. nauk; SOLUYANOV, L.N., inzh.; SHKARBANOV, Petr Fedorovich, dots., kand. tekhn. nauk; PANOV, V., red.; LUKASHEVICH, V., tekhn.red.

[Handbook for electricians] Spravochnik elektrika. Saratov, Saratovskoe knizhnoe izd-vo, 1963. 458 p. (MIRA 17:1)

KAZANOVA, I.I.; PAVLOVSKIY, Ye.N., akademik.

Characteristic pigmentation of the embryos of the Black Sea sprat. Dokl.AN SSSR 92 no.4:867-869 O '53. (MLRA 6:9)

1. Akademiya nauk SSSR (for Pavlovskiy). (Herring)

KAZANOVA, I.I.

Reproduction of the small Onega herring in 1952. Mat. po kompl. izuch.Bel.mor. no.1:105-116 '57. (MLRA 10:8)

1.Vsesoyuznyy nauchno-issledovatel'skiy institut morskogo rybnogo khozyaystva i okeanografii.
(Onega Bay--Herring)

KAZANOVA, I.I.

Materials on the reproduction and development of some fish species in the waters of southern Sakhalin and the southern Kuriles. Issl.dal'nevost.mor.SSSR no.6:132-140 '59.
(MIRA 13:3)

1. Vsesoyuznyy institut rybnogo khozyaystva i okeanografii.
(Sakhalin--Ichthyological research)
(Kurile Islands--Ichthyological research)

KAZANOVA, I.I., kand.biologicheskikh nauk

Biology of sprat and its fisheries in the northern part of the Baltic Sea. Trudy VNIRO 42:84-98 '60. (MIRA 13:9)
(Baltic Sea--Sprats)

KAZANOVA, I. I.

Tuna larvae from the tropical zone of the Atlantic Ocean. Vop. ikht. 2 no.3:452-461 '62. (MIRA 15:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut morskogo rybnogo khozyaystva i okeanografii - VNIRO, Moskva.

(Atlantic Ocean—Tuna fish)
(Larvae—Fishes)

MARTI, Yu.Yu., otv. red.; ALEKSEYEV, A.P., zam. otv. red.; NOSKOV, A.S., zam. otv. red.; BORODATOV, V.A., red.; VINOGRADOV, L.G., red.; ZAYTSEV, G.N., red.; IZHEVSKIY, G.K., red.; KAZANOVA, I.I., red.; KONSTANTINOV, K.G., red.; MUNTYAN, V.M., red.; NAUMOV, V.M., red.; SEDYKH, K.A., red.; FEDOSOV, M.V., red.; CHUMAKOVA, L.S., red.; AYNZAFT, Yu.S., red.; MUKHINA, Ye.M., red.; FORMALINA, Ye.A., tekhn. red.

[Soviet fishery research in the northwestern part of the Atlantic Ocean] Sovetskie rybokhoziaistvennye issledovaniia v severo-zapadnoi chasti Atlanticheskogo okeana. Moskva, Izd-vo zhurnala "Rybnoe khoziaistvo," 1962. 375 p. (MIRA 15:7)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut morskogo rybnogo khozyaystva i okeanografii. 2. Vsesoyuznyy nauchnyy institut morskogo rybnogo khozyaystva i okeanografii (for Marti, Fedosov).
(Atlantic Ocean—Fisheries—Research)

KAZANOVA, L. I

USSR/General Problems of Pathology - Tumors. Comparative Oncology. U
Human Neoplasms.

Abs Jour : Ref Zhur Biol., No 1, 1959, 4229

Author : Terent'yeva, E.I., Zosimovskaya, A.I., Kazanova, L.I.
Inst : -
Title : Cytochemical Investigations of the Elements of Hemopoiesis. I. The Content of Fat, Glycogen and Nucleinic Acid in the Blood Cells and in the Bone Marrow of Healthy Humans and Those Suffering from Leukoses

Orig Pub : Probl. gematol. i pereliwaniya krovi, 1957, 2, No 5, 24-31. 64.

Abstract : Drops of fat within the cells of the bone marrow (BM) of healthy subjects are contained in the form of traces only in single myelo- and metamyelocytes, in occasional mature granulocytes and in lymphocytes. They are demonstrated in moderate amounts in leudocytes of the peripheral blood. The glycogen content in the hemopoietic

Card 1/4

Cent. O.L. Inst. Hematology & Blood Transfusion, 36 Min Health USSR

USSR/General Problems of Pathology - Tumors. Comparative Oncology. U
Human Neoplasms.

Abs Jour : Ref Zhur Biol., No 1, 1959, 4229

cells increases gradually as they mature, reaching a maximum in the mature granulocytes. Gradual disappearance of glycogen from the granules is observed in the eosinophils as the cells mature. Within the erythroblasts glycogen found in the form of traces in a small number of normoblasts only. Thrombocytes contain glycogen in the form of blocks. Ribonucleinic acid (RNA) in healthy subjects is contained in the greatest amount in the cytoplasm of proerythroblasts, erythroblasts and hemocytoblasts; in the process of maturation of the cells the content of RNA decreases, and the content of desoxynucleinic acid (DNA) in the nuclei increases. In patients with acute and subacute reticulosis (11) and hemocytoblastosis (11) a decrease of the fat content (in comparison with normal values) is noted in the hemopoitic cells: their fat content is increased in chronic myelosis (CM)

Card 2/4

USSR/General Problems of Pathology - Tumors. Comparative Oncology. U

ZOSIMOVSKAYA, A.I.; KAZANOVA, L.I.; FAYNSHTEYN, F.E.

Cytochemical studies on the hemopoietic elements in patients with aplastic and hyoplastic anemias. Probl. gemat. i perel. krovi 3 no.5: 25-31 S-O '58. (MIRA 11:11)

1. Iz TSentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A. Bagdasarov) Ministerstva zdravookhraneniya SSSR.

(ANEMIA, APLASTIC, pathology
cytochem. changes in hemopoietic elements in aplastic & hypoplastic anemias (Rus))

KAZANOVA, L.I., TERENT'YEVA, E.I., FAYSHTEYN, F.E. (Moskva)

Phosphatase in the blood cells and bone marrow in leukemia and hypoplastic anemia. Klin.med. 36 no.7:129-134 Jl '58 (MIRA 11:11)

1. Iz TSentral'nogo ordena Lenina instituta gematologii i pereliyaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A. Bagdasarov).

(PHOSPHATASE, determ.
blood cells & bone marrow in leukemia & hypoplastic anemia (Rus))
(LEUKEMIA, metab.
phosphatases in blood cells & bone marrow (Rus))
(ANEMIA, APLASTIC, metab.
same (Rus))

TERENT'YEVA, E.I.; ZOSIMOVSKAYA, A.I.; KAZANOVA, L.I.; FAYNSHTEYN, F.E.

Cytochemical studies in leukemia. Probl.gemat.i perel.krovi 4 no.11: 39-49 N '59. (MIRA 13:3)

1. Iz TSentral'nogo ordena Lenina instituta gematologii i pereli-vaniya krovi (direktor - deystvitel'nyy chlen AMN SSSR prof. A.A. Bagdasarov) Ministerstva zdravookhraneniya SSSR.
(LEUKEMIA chemistry)

TERENT'YEVA, E.I.; ZOSIMOVSKAYA, A.I.; KAZANOVA, L.I.; TOTSKAYA, A.A.

Cytochemical investigation of the elements of hemopoiesis.
TSitologiia 2 no.4:412-427 Jl-Ag '60. (MIRA 13:9)

1. TSentral'nyy institut rematologii i perelivaniya krovi Ministerstva zdravookhraneniya SSSR, Moskva.
(HEMOPOIETIC SYSTEM)

RAUSHENBAKH, M.O.; SUKYASYAN, G.V.; KOZINETS, G.I.; TSESSARSKAYA, T.P.; NOVIKOVA, M.N.; KAZANOVA, L.I.; CHERNOV, G.A.; LAGUTINA, N.Ia.; CHERTKOV, I.L.

Mechanism of action of the transplantation of bone marrow in irradiated dogs and monkeys. Probl. gemat i perel. krovi 6 no.2:12-20 '61. (MIRA 14:1)

(MARROW—TRANSPLANTATION) (RADIATION SICKNESS)

TERENT'YEVA, E.I., prof.; KAZANOVA, L.I.; FAYNSHTEYN, F.E.

Oxidative enzymes in blood cells and bone marrow in leukemia and hypoplastic anemia. Probl. gemat. i perel. krovi 5 no.2:3-8 F '60. (MIRA 14:5)

1. Iz TSentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A.Bagdasarov) Ministerstva zdravookhraneniya SSSR.

(OXIDASE) (LEUKEMIA) (ANEMIA)
(MARROW) (BLOOD CELLS)

TERENT'YEVA, E.I., prof.; ZOSIMOVSKAYA, A.I.; KAZANOVA, L.I.; SUKYASYAN, G.V.

Cytochemical study of hematopoietic elements in radiation injury. Probl.gemat.i perel.krovi no.3:47-52 '62. (MIRA 15:3)

1. Iz TSentral'nogo ordena Lenina instituta gematologii i pereli-vaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A. Bagdasarov [deceased]) Ministerstva zdravookhraneniya SSSR.
(RADIATION SICKNESS) (HEMATOPOIETIC SYSTEM)

KAZANOVA, L.I.; TERENT'YEVA, E.I. (Moskva)

Succinic dehydrase in the blood cells and bone marrow in healthy subjects and patients with leukemia. Arkh.pat. 24 no.5:34-39 '62. (MIRA 15:5)

1. Iz tsitologicheskoy laboratorii (zav. - prof. E.I. Terent'yeva) i gematologicheskoy kliniki (zav. - prof. M.S. Dul'tsin) TSentral'nogo ordena Lenina instituta gematologii i perelivaniy krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A. Bagdasarov [deceased]) Ministerstva zdravookhraneniya SSSR.
(SUCCINIC DEHYDROGENASE) (BLOOD CELLS) (MARROW)
(LEUKEMIA)

S/241/63/008/001/003/006
D243/D307

AUTHORS: Sheremet, Z.I. and Kazanova, L.I.

TITLE: The effect of vitamin B_{12} on the content of nucleic acids in the blood-forming organs of irradiated animals

PERIODICAL: Meditsinskaya radiologiya, v.8, no. 1, 1963, 46-53

TEXT: The present work was carried out in view of the lack of information concerning the effect of vitamin B_{12} on the nuclein metabolism, and to determine the advisability of treatment with this vitamin during radiation sickness. The nucleic acid contents were measured, by biochemical and cytochemical methods, in the bone marrow and spleen of guinea pigs X-ray-irradiated with a total dose of 300 r, at 13-26 r/min. The test animals were treated intramuscularly with vitamin B_{12} every other day following irradiation and were then decapitated. Comparative tests were run on the nucleic acid contents in the above organs after (1) irradiation alone, (2) vitamin treatment alone, and (3) combined irradiation and vitamin

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The effect of vitamin B_{12} ...

treatments. The acids were resolved into DNA and RNA. (1) The contents of both acids decreased sharply after irradiation, particularly in the bone marrow; in the latter organ the RNA/DNA ratio increased from 0.45 - 0.46 to 0.73 - 0.93 seven days after irradiation. The corresponding rise of this ratio in the spleen was 0.52 - 0.53 to 0.57 - 0.61. Morphological and cytochemical changes were in agreement with and supplemented the biochemical tests. Most irradiated animals exhibited hypoplasia and aplasia of the bone marrow. Lowering of the nucleic acid contents in the bone marrow is ascribed not only to radiation damage but also to morphological changes induced in this organ. (2) Vitamin doses of 10 μg, on alternate days, for 6-7 days, essentially did not affect the nucleic acid contents, although in 43% of the animals a statistically significant 19% rise in the content of DNA was observed. The results for spleen show little difference between the treated and the control animals. (3) Administration of vitamin B_{12} during the first half of radiation sickness (10 or 40 μg) led in most cases to an even sharper decline of the DNA content in bone marrow, and to greater aplasia, showing

The effect of vitamin B_{12} ...

that the reduction of nucleic acids in blood-forming organs is not connected with a shortage of vitamin B_{12}. The RNA in bone marrow and the DNA and RNA in spleen were unaffected. Administration of vitamin B_{12} is therefore not recommended in the initial stages of acute radiation sickness although it should be given when formation of blood is reduced. There are 1 figure and 3 tables.

ASSOCIATION: Tsentralnyy ordena Lenina institut gematologii i perelivaniya krovi (Central 'Order of Lenin' Institute of Hematology and Blood Transfusion)

SUBMITTED: May 22, 1962

Card 3/3

KAZANOVA, L.I.; KOZINETS, G.I.

Cytochemical and radioautographic study of nucleic acids in leukemic cells. Probl. gemat. i perel. krovi 8 no.4:19-22 Ap'63 (MIRA 17:2)

1. Iz tsitologicheskoy laboratorii (zav. - prof. E.I. Terent'yeva) i radiobiologicheskoy laboratorii (zav. - prof. M.O. Raushenbakh) TSentral'nogo ordena Lenina instituta gematologii i pereliyaniya krovi (dir. - dotsent A.Ye. Kiselev) Ministerstva zdravookhraneniya SSSR.

FAYNSHTEYN, F.E.; KOZINETS, G.I.; KAZANOVA, L.I.

Radioautographic and cytochemical examination of hemopoietic cells in aplastic and hypoplastic anemias. Probl. gemat. i perel krovi no.10:19-24 '63 (MIRA 18:1)

1. Iz gematologicheskoy kliniki (zav. - prof. M.S. Dul'tsin), radiobiologicheskoy laboratorii (zav. - prof. M.O. Raushenbakh) i tsitologicheskoy laboratorii (zav. - prof. E.I. Terent'yeva) TSentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - dotsent A. Ye. Kiselev) Ministerstva zdravookhraneniya SSSR.

L 46205-66 EWT(m)/T IJP(c) DS

ACC NR: AP6030138 SOURCE CODE: UR/0120/66/000/004/0102/0104

AUTHOR: Kazanskiy, L. N.; Samylkin, N. I.; Yablokov, B. N.

ORG: Physics Institute, AN SSSR, Moscow (Fizicheskiy institut AN SSSR)

TITLE: A transistorized preamplifier for signal electrodes

SOURCE: Pribory i tekhnika eksperimenta, no. 4, 1966, 102-104

TOPIC TAGS: synchrocyclotron, preamplifier, electron beam

ABSTRACT: A unit containing a signal electrode and a transistorized preamplifier with a separate power supply has been developed to investigate effectiveness of injection and instability of the beam in a circular synchrocyclotron. The electrode consists of a П-shaped copper plate having a radius of 16 cm. It permits observation of the beam's behavior beyond the critical limit of energy. Copper foil shields protect the electrode, which is provided with a vacuum-tight leadout. Total capacitance of both the electrode and leadout is ~ 90 pf. The preamplifier and batteries are mounted on the inner flange of the vacuum chamber in a copper-shielded container. The requirements for the preamplifier were based on the following considerations: 1) in the energy region covered by the electrode, electron frequency varies from 16 to 33 Mc; and 2) the number of particles in a beam is 10^8—10^{10}. It is

Card 1/2 UDC: 621.384.611

L 16205-66

ACC NR: AP6030138

desirable to obtain a uniform distribution of particles in the beam. The available passband should therefore be from 0.5 to 40 Mc, and the gain ~ 10. The described measuring unit was used in beam investigations for approximately 4 months and no changes in preamplifier characteristics were observed. Orig. art. has: 2 figures and 1 formula. [KM]

SUB CODE: 09, 20/ SUBM DATE: 08Jul65/ ORIG REF: 002/ OTH REF: 001

Card 2/2 fv

TERENT'YEVA, Ye.I.; KAMANOVA, L.T.

Cystochemistry of phosphatases, oxidases, and peroxidases in hematopoietic elements in radiation injury. Med.rad. 6 no.3: 39-43 '61. (MIRA 14:5)
(RADIATION SICKNESS) (HEMOPOIETIC SYSTEM) (ENZYMES)

KAZANOVA, Ye. D. Cand. Med. Sci.

"Bone Trophism and Calcium Content in the Blood Serum and Spinal Fluid in Epidemic Poliomyelitis," Nevrppat. i Psikh, 20, No.6, pp. 61-64, 1951
Clinic of Nervous Diseases, Republic Sci.Res. Pediatric Inst. and Biochem. Lab.

Disturbances of the motor functions together with trophic disorders as basic symptoms of acute epidemic poliomyelitis have been studied in the soft tissues but not in bone structures. X-ray plates show a general spongy condition of the bone and also of the cortical layer; at times this is combined with atrophy. Sometimes there was a fibrous degeneration of the cortical layer. An increase of ca in the blood serum was found in 81.7% pf the cases; 13.3% were normal and 5% showed a decrease of ca. The calcium level of the blood varied between 10 and 18.57 mg%. In the spinal fluid, the ca increased in 73% of the cases; normal calcium level was found in 15.4% of the cases and a lowered level in 11.6% of the cases. In the majority of cases the ca content increased up to the 5th month after onset of the disease and tapered off to normal within a year. The more intensive the disease the more sharply expressed is the trophic osseous affliction.

253T6

KAGANOVICH, B.

Shoe Industry

Planning and use of models of toe caps for kersey boots, Leg. prom., 12, No. 8, 1952.

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

KAZANOVICH, B. E.

34046. Bren, B. N. i Kazanovich, B. E. iskusstvennyy polov l-material dlye steley i zadnikov, Legkaye prom-st', 1949, No. 9, s. 13-14

SO: Knizhnaya Letopis', Vol. 7, 195.

KAZANOVICH, B YA

KAZANOVICH, B.Ya.

Effectiveness of reducing the number of auxiliary workers. Leg. prom. 16 no.10:8-9 O '56. (MIRA 10:12)

1. Glavnyy inzhener kazanskogo kozhevenno-obuvnogo kombinata "Spartak."

(Industrial management)

KAZANOVICH, B. Y. : Crude Polymers in Genetic

N. of C. L.

Synthetic latex for shoe welts and counters. G. I. Lits and B. Y. KAZANOVICH. *Legkaya Prom.*, 1939, No. 9, 13; *Translated Contents List of Soviet Periodicals*, 1939, No. 8, 26. 25618.61123

1150

KAZANOVICH, B.Ya.

New adhesive materials for the footwear industry. Leg. prom. 16 no.7:50-51 Jl '56. (MLRA 9:10)

1. Glavnyy inzhener Kazanskogo kozhevenno-obuvnogo kombinata "Spartak."
(Shoe industry) (Adhesives)

KAZANOVICH, B.Ya.

Development of light industry in the Tatar Economic Region during the period 1959-1965. Kozh.-obuv. prom. no.5:5-7 My '59. (MIRA 12:6)

1. Glavnyy inzhener Upravleniya legkoy promyshlennosti Tatarskogo sovnarkhoza.
(Tatar A.S.S.R.--Manufactures)

KAZANOVICH, G.Ya., inzhener.

"Unit transformer substation for 35 and 110 kv. Energetik 5 no.8:3-11 Ag '57. (MLRA 10:10)
(Electric substations)

ALEKSEYEVA, G.Ye., kand. tekhn. nauk, dots.; MELESHKINA, L.P., dots., kand. tekhn. nauk; BALUYEV, V.K., inzh.; BAMDAS, A.M., prof., doktor tekhn. nauk; VENIKOV, V.A., prof., doktor tekhn. nauk; YEZHKOV, V.V., kand. tekhn. nauk; ANISIMOVA, N.D., dots., kand. tekhn. nauk; GANTMAN, S.A., kand. khim. nauk; GLAZUNOV, A.A., dots., kand. tekhn. nauk; GOGUA, L.K., inzh.; GREBENNICHENKO, V.T., inzh.; GRUDINSKIY, P.G., prof.; GORFINKEL', Ya.M., inzh.; ZVEZDIN, A.L., inzh.; KAZANOVICH, G.Ya., inzh.; KNYAZEVSKIY, B.A., dots., kand. tekhn. nauk; KOSAREV, G.V., dots., kand. tekhn. nauk; MESSERMAN, S.M., kand. tekhn. nauk, dots.; KOKHAN, N.D., inzh.; KUVAYEVA, A.P., dots., kand. tekhn. nauk; SOKOLOV, M.M., dots., kand. tekhn. nauk; LASHKOV, F.P., dots., kand. tekhn. nauk; LAZIN, A.I., inzh.; YUDIN, F.I., inzh.; LIVSHITS, A.L., kand. tekhn. nauk; METEL'TSIN, P.G., inzh.; NEKRASOVA, N.M., dots., kand. tekhn. nauk; OL'SHANSKIY, N.A., dots., kand. tekhn. nauk; POLEVAYA, I.V., dots., kand. tekhn. nauk; POLEVOY, V.A., dots., kand. tekhn. nauk [deceased]; RAZEVIG, D.V., prof., doktor tekhn. nauk; RAKOVICH, I.I., inzh.; SOLDATKINA, L.A., dots., kand. tekhn. nauk; TREMBACH, V.V., dots., kand. tekhn. nauk; FEDOROV, A.A., prof., kand. tekhn. nauk; FINGER, L.N., inzh.; CHILIKIN, M.G., prof., doktor tekhn. nauk, glav. red.; ANTIK, I.V., inzh., red. GOLOVAN,A.T., prof.,red.; PETROV, G.N., prof., red.; FEDOSEYEV, A.M., prof., red.

(Continued on next card)

ALEKSEYEVA, G.Ye.---- (continued). Card 2.

[Electrical engineering manual] Elektrotekhnicheskii spravochnik. Pod obshchei red. A.T. Golovana i dr. Moskva, Energiia. Vol.2. 1964. 758 p. (MIRA 17:12)

1. Moscow. Energeticheskiy institut. 2. Moskovskiy energeticheskiy institut (for Golovan, Grudinskiy, Petrov, Fedoseyev, Chilikin, Venikov). 3. Chlen-korrespondent AN SSR (for Petrov).

KAZANOVICH, Grigoriy Yakovlevich; TAYTS, A.A., red.; YATSENKO, G.G., otv. za vypusk; SUKHAREVA, R.A., tekhn.red.

[New high-voltage blocks of electrical equipment] Novoe vysokovol'tnoe komplektnoe elektrooborudovanie. Moskva, 1959. (Moskovskii Dom nauchno-tekhnicheskoi propagandy. Peredovoi opyt proizvodstva. Seriia: Elektroenergetika, no.7).

(MIRA 14:1)

(Electric power plants--Equipment and supplies)
(Electric power distribution)

KAZANOVICH, I.

KILIMNIK,G.; KAZANOVICH,I.

Improve training courses for managerial personnel. Prom.koop.no.7: 55-57 Jl'55. (MLRA 8:11)

1. Direktor uchebnogo kombinata Ukrpromsoveta (for Kilimnik)
2. Zamestitel' direktora po uchebnoy chasti (for Kazanovich)
(Business education)

KAZANOVICH, I.Z.

Solving the problem of axially symmetric deformation of hydraulic press cylinders. Kuz. shtam. proizv. 3 no. 5:25-33 My '61. (MIRA 14:5)

(Hydraulic presses) (Deformations (Mechanics))

KAZANOVICH, M.A.

Control daily the fulfilment of the plan for lowering costs of production. Transp.stroi. 9 no.10:37-39 O '59.
(MIRA 13:2)

1. Glavnyy bukhgalter Glavnogo upravleniya zheleznodorozhnogo stroitel'stva Povolzh'ya i Yuga.
(Construction industry--Costs)

KAZANOVICH, M.A.

Expenses for automotive transportation were cut by two thirds.
Transp. stroi. 12 no.9:40-41 S '62. (MIRA 16:2)

1. Glavnyy bukhgalter Glavnogo upravleniya zheleznodorozhnogo stroitel'stva.
(Transportation, Automptive) (Construction industry--Costs)

K A Z A N O V I C H, V I

6-11-11/13

AUTHOR: Kazanovich, V.I.

TITLE: The Photographic Transfer of the Relief-Picture onto Photoplans (Fotograficheskoye pereneseniye izobrazheniya rel'yefa na fotoplany)

PERIODICAL: Geodeziya i Kartografiya, 1957, Nr 11, pp. 71-71 (USSR)

ABSTRACT: When maps are renewed according to photoplans, the most accurate and economical type of relief reproduction of older maps is the photographic method. In the case where the relief representation on maps has the same scale as that of the map to be renewed, a negative is prepared of the original where the relief is represented. In those cases where the scale of the map with the relief is smaller than that of the map to be renewed, the negatives must be worked out with the corresponding diminution. The method is fully described here.

AVAILABLE: Library of Congress

Card 1/1

AUTHOR: Kazanovich, V. I. 6-58-2-11/21

TITLE: Optimum Adiactinic Illumination of the Photo Laboratory (Optimal'noye neaktinichnoye osveshcheniye fototsekha)

PERIODICAL: Geodeziya i Kartografiya, 1958, Nr 2, pp. 41 - 43 (USSR)

ABSTRACT: In this paper a report is given on the basis of experience collected in the Aero-Geodetic North Western Pool of the Main Office for Surveying and Cartography. In order to eliminate the shortcomings of illumination a lamp with an alarm armature COM-60 was used in the laboratory of the Pool. Rays of a minimum length of 600 mμ may penetrate through the red glass bells of the COM-60 which is admissible in the processing of orthochromatic photo layers. The following was observed when the adiactinic lamp was selected: 1) No fog must form on the operational surface of the photomaterials at adiactinic illumination. 2) The illumination of the operational surface must be of an intensity that without straining the eye details of a size of 1 mm (corresponding to an inten-

Card 1/2

Optimum Adiactinic Illumination of the Photo Laboratory

sity of illumination of 20 - 30 lux) can be distinguished. General illumination intensity at the floor of the laboratory must not be below 5 lux in the corridors. 3) Illumination must be uniform. No emergency lighting was provided. 36 Volt lamps with 25 - 50 Watt are used as sources of light. The bell is made of frosted glass. Above every photo bath COM-60 lamps without frosted glass bells are to be installed as ceiling lights. There are 2 figures.

1. Photography 2. Laboratories--Illumination

Card 2/2

KAZANOVICH, V.I.

Fundamental requirements of original maps intended for reproduction by photographic processes. Geod.i kart. no.8:30-33 Ag '61.
(MIRA 14:10)

(Map printing)

KAZANOVICH, V.I.

Photographic quality of aerial negatives. Geod.i kart. no.2:40-45 F '62. (MIRA 15:3)

(Photography, Aerial)

KAZANOVICH, V.I.

Some comments on A.V.Shilov's article. Geod. i kart. no.2:65-67 F '63.
(MIRA 16:3)
(Cartography--Equipment and supplies)

MIRONENKO, A.V.; KAZANOVICH, Ya.M.

Amount and fractional composition of proteins in different species and varieties of lupine. Vestsi AN BSSR Ser.biial.nav.no.2:127-130 '56. (MLRA 10:1)

(Lupine) (Proteins)

USSR/Cultivated Plants. Grains.

Abs Jour: Ref Zhur-Biol., No 5, 1958, 20270.

Author : L.P. Lagun, Ya. N. Kazanovich, M.T. Godneva.
Inst : Not given.
Title : Biological Features of Corn Varieties in the Bielorussian SSR.
(Biokhimicheskaya kharakteristika sortov kukuruzy v Belorusskoy SSR)

Orig Pub: Vestsi AN BSSR, ser. biyal. n., Izv. AN BSSR, ser. biol. n., 1956, No 4, 51-54.

Abstract: In the Botanical Park of the Academy of Sciences of the Bielorussian SSR an analysis was made of the various varieties of corn according to their productivity in green stuff and grain, and an estimate was made of the carbon and mineral salts in their grains and vegetative

Card : 1/2

USSR/Cultivated Plants. Grains.

Abs Jour: Ref Zhur-Biol., No 5, 1958, 20270.

organs. The prospective corn varieties for the Bielorussian SSR are specified: the Starinskaya, Sterling, Partizanka, Zakarpatskaya 109, improved Bor'ba, and others.

Card : 2/2

USSR / Cultivated Plants. Fodder Grasses and Root Crops. M-3

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 6307

KAZANOVICH, Ya.N.; GODNEVA, M.T.

Dynamics of carbohydrate accumulation in different corn varieties during growth. Biul. Inst. biol. AN BSSR no.2:145-148 '57.
(Corn--Varieties) (Carbohydrates) (MIRA 11:2)

ZYUK'KOV, I.G. [Ziul'kou, I.H.]; KAZANOVICH, Ya.N. [Kazanovich, IA.N.]; LAGUN, L.P. [Lahun, L.P.]; GODNEVA, M.T. [Hodneva, M.T.]

Effect of different growing conditions on the amount of nutritive substances in corn. Vestsi AN BSSR Ser. biial. nav. no.1:28-30 '58. (MIRA 11:5)

(Corn (Maize))

MIRONENKO, A.V., KAZANOVICH, Ya.N.

Role of the individual organs in the biosynthesis of alkaloids in lupine. Biul.Inst.biol.AN BSSR no.3:121-124 '58.
(MIRA 13:7)

(LUPINE) (ALKALOIDS)

KAZANOVSKIY, M.G. [Kazanovs'kyi, M.H.]

Essentials of Latin nomenclature of organic pharmaceutical preparations. Farmatsev. zhur. 18 no.2:60-64 '63. (MIRA 17:10)

1. Kafedra latinskogo yazyka L'vovskogo moditsinskogo instituta.

MIKHAYLOVA, S.A.; KAZARNOVSKIY, Ya.S.; KAZANOVSKAYA, D.B.

Thermodynamic properties of gaseous methanol at high temperatures and pressures. Khim. prom. no.4:244-249 Ap '63. (MIRA 16:8)

KAZANOVSKIY, P., nachal'nik.

Organization of major repairs of dwellings. Chil.-kom.khoz. 3 no. 7:8-9 Jl 1953 (MLRA 6:8)

Kostromskoye oblzhilupravleniye. (Building--Repair and reconstruction)

GUBCHEVSKIY, P.V., inzh.; KAZANOVSKIY, L.V., inzh.; NIKOL'SKIY, M.A., inzh.; YAKUSHOVA, K.A., inzh.

Casting of slab molds for large ingots of liquid blast furnace cast iron. Stal' 23 no.3:274-278 Mr '63. (MIRA 16:5)

1. Magnitogorskiy metallurgicheskiy kombinat i Ufaleyskiy metallurgicheskiy zavod.

(Ingot molds) (Iron founding).

KAZANOVSKIY, M.G. [Kazanovs'kyi, M.H.]

Latin nomenclature of inorganic bases and their salts. Farmatsev. zhur. 16 no. 2:69-73 '61. (MIRA 14:4)

1. Kafedra latins'koi movi L'vivskogo medychnoho institutu, zav. kafedroyu Ya.N. Korzhiuskiy [Korzhyhs'ky, IA.N.].
(BASES (CHEMISTRY)—NOMENCLATURE)

KAZANOVSKIY, M.G. [Kazanovs'kyi, M.H.]

Essentials of Latin nomenclature of organic pharmaceutical preparations. Farmatsev. zhur. 17 no.6:65-66 '62.
(MIRA 17:6)

1. Kafedra latinskogo yazyka L'vovskogo meditsinskogo instituta.

KAZANOVSKIY, P., kand.voyennykh nauk, polkovnik; SOROKIN, V., polkovnik; GRIGOR'YEV, S., podpolkovnik.

Textbook on military topography ("Military topography" by P.S. Pasha, F.G. Korniliuk, A.V. Petrov. (Reviewed by P. Kazanovskii, V.Sorokin, S.Grigor'ev. Voen.vest. 33 no.16:91-96 N '53. (MIRA 10:10)
(Military topography)
(Pasha, P.S.) (Korniliuk, F.G.) (Petrov, A.V.)

[redacted], P., Col,

KAZANOVSKIY, P.-Candidate of Military Sciences
Coauthor with Col V. SOKOKIN and Lt Col S. GRIGOR'YEV of article, "Instruments for Use in Military Topography," published in Voyennyy Vestnik, No 16, 1953.
(Voyennyy Vestnik, No 17, Dec 53)

SO: SUM 152, 25 June 1954

L 00550-67 EWT(1) JK

ACC NR: AP6034053 (A,N) SOURCE CODE: UR/0346/66/000/011/0042/0045

AUTHOR: Kolychev, V. V.; Kazanovskiy, Ye. S.; Kononov, G. N. 14 B

ORG: Izhmo-Pechora Scientific Research Veterinary Station (Izhmo-Pechorskaya nauchno-issledovatel'skaya veterinarnaya stantsiya)

TITLE: Experimental toxoplasmosis of reindeer

SOURCE: Veterinariya, no. 11, 1966, 42-45

TOPIC TAGS: animal disease, toxoplasmosis, reindeer, veterinary medicine

ABSTRACT: Wild reindeer were infected by various routes with strain Rt-131 toxoplasma. Pathological and histological changes were then observed. Temperatures generally reached their maximum during the third day after infection and animals whose temperature reached 40—41C died. Breathing became rapid and hematology correlated with that of domestic animals. In general, the laboratory strain was more virulent for these animals than a strain isolated from members of a wild herd. Orig. art. has: 1 figure. [W.A. 50]

SUB CODE: 06/ SUBM DATE: none

Card 1/1 UDC: 619:616.993.192-092.9:636.294

DYMITROWSKA, Maria; PREGOWSKI, Wladyslaw; OMULECKA, Danuta; KAZANOWSKA, Wanda

Results of combined antibacterial and ACTH therapy of experimental ocular tuberculosis in rabbits. Klin.oczna 30 no.4:329-344 '60.

1. Z Kliniki Okulistycznej, Kierownik: prof.dr med. M.Dymitrowska; Z Kliniki Gruzlicy Pluc, Kierownik: doc. dr med. W.Pregowski; Z pracowni Kliniki Poloznicze-ginekol. A.M. w Bialymstoku, Kierownik: prof. dr med. S.Soszka.
(CORTICOTROPIN pharmacol)
(ANTITUBERCULAR AGENTS pharmacol)
(TUBERCULOSIS OCULAR exper)

KAZANOWSKA, Wanda

The influence of some internal secretion glands on the morphological picture of the vagina. Gin.polska 31 no.4:451-462 Jl-Ag '60.

1. Z Kliniki Poloznictwa i Chorob Kobiecych A.M. w Bialymstoku Kierownik: prof. dr med. S.Sosska.
(VAGINA anat. & histol.)

SOSZKA, Stefan; KAZANOWSKA, Wanda; KUCZYNSKA, Krystyna

On damages of the vaginal epithelium by Trichomonas vaginalis in experimental animals. Wiad. parazyt. 8 no.2:209-215 '62.

1. Klinika Poloznictwa i Chorob Kobiecych Akademii Medycznej, Bialystok.
(TRICHOMONAS INFECTIONS exper) (VAGINA pathol)

KAZANOWSKA, Wanda

Behavior of the uterine mucosa (in experimental animals) in intravaginal infection with Trichomonas vaginalis. Wiad. parazyt. 8 no.2:223-228 '62.

1. Klinika Poloznictwa i Chorob Kobiecych Akademii Medycznej, Bialystok.
(TRICHOMONAS INFECTION exper) (UTERUS pathol)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721310017-9"

POLAND

HOFFMANN, Bogdan, KAZANOWSKA, Wanda, KULCZYNSKI, Waldemar, and KRACH, Jadwiga, Clinic of Dermatology (Klinika Dermatologiczna), Clinic of Obstetrics and Gynecology (Klinika Poloznictwa i Chorob Kobiecych), and the Department of Hygiene (Zaklad Higieny) of the AM [Akademia Medyczna, Medical Academy] in Bialystok.

"Serological Diagnosis of Trichomonas Infection."

Warsaw, Medycyna Doswiadczalna i Mikrobiologia, Vol 15, No 1, 63, pp 93-99.

Abstract: [Authors' English summary modified] Using the CF test with Trichomonas antigen on human sera, the authors found the test specific and sensitive, and encouraging for further development of serological methods for diagnosis of this disease. They give materials and procedure, and a statistical analysis of their findings. Of the 13 references, 2 are Polish, 4 are German, and 7 are English.

1/1

SOSZKA, Stefan; KAZANOWSKA, Wanda Alicja; KULCZYNSKA, Krystyna

KAZANOWSKA, Wanda Alicja; KUCZYNSKA, Krystyna; DUBIEL, Cyryla

The behavior of the mucous membrane of the va 'na in guinea pigs after infection with various species of Trichomonas. Wiad. parazyt. 11 no.1:53-55 '65

1. I Klinika Poloznictwa i Chorob Kobiecych Akademii Medycznej, Bialystok.

L 26782-66 EWT(1)/EWT(m)/T/FSS-2 IJP(c) JD

ACC NR: AP6017446 SOURCE CODE: UR/0361/65/000/002/0051/0059

AUTHOR: Takibayev, Zh. S.; Tleubergenova, G. A.; Lazareva, T. P.; Morozova, P. V.; Kazanskaya, A. P.

ORG: none

TITLE: Helium particles emitted during the collision of 17.5 Bev pi-mesons with the nuclei of a photoemulsion

SOURCE: AN KazSSR. Izvestiya. Seriya fiziko-matematicheskikh nauk, no. 2, 1965, 51-59

TOPIC TAGS: pi meson, photographic emulsion, helium

ABSTRACT: The article is a discussion of an experiment conducted for the investigation of the emission of multi-nucleon particles from splitting of nuclei under the influence of high energy π-mesons. In the experiment the interaction of primary π-mesons 17.5 Bev in energy with the nuclei of a photoemulsion to form helium particles with a kinetic energy greater than 100 Mev is studied. An Ilford-G5 emulsion 600μ in thickness was used. Distributions and characteristics of the particles are presented. The significant increase in the average number of grey tracks (~ 25%) for stars with helium particles by comparison with splits where no energy helium particles were present, the constancy of the energy spectrum of the helium particles during significant

Card 1/2

L 26782-66

ACC NR: AP6017446

variation of the energy of the primary π-mesons, the large asymmetry and close correspondence of the helium particle half-angles to those values for the grey tracks - all indicate the influence of the cascade process. However, other significant facts stated are not reconcilable to the cascade model and indicate the presence of other factors in the formation of high energy helium particles. Orig. art. has: 8 figures and 4 tables. [JPRS]

SUB CODE: 20 / SUBM DATE: 17Nov64 / ORIG REF: 010 / OTH REF: 005

Card 2/2

KAZANSKAYA, A. S.

Min Higher Education USSR. Moscow Order of Labor Red Banner Petroleum Inst imeni Academician I. M. Gubkin.

KAZANSKAYA, A. S.: " The kinetics of transformation of individual hydrocarbons in the presence of an aluminosilicate catalyst." Min Higher Education USSR. Moscow Order of Labor Red Banner Petroleum Inst imeni Academician I. M. Gubokin. Moscow, 1956.
(Dissertation for the Degree of Candidate in Technical Sciences)

SO: Knizhnaya Letopis, No. 20, 1956.

AUTHORS: Panchenkov, G. M., Kazanskaya, A. S. SOV/76-32-8-9/37

TITLE: The Kinetics of the Catalytic Cracking of n-Alkanes (Kinetika kataliticheskogo krekinga n-alkanov)

PERIODICAL: Zhurnal fizicheskoy khimii, 1958, Vol. 32, Nr 8, pp. 1779-1784 (USSR)

ABSTRACT: n-Hexane, n-heptane and n-octane were investigated. A synthetic aluminum silicate with 30% Al_2O_3 and 70% SiO_2 served as catalyst. The accessible surface of the catalyst amounted to 206 m^2/g. The cracking was carried out in a continuous flow apparatus within the temperature interval of from 520-590°C, with an addition of raw material of from 0,2 to 0,9 volume/volume per hour. The experiment lasted one hour. The reaction kinetics, according to the concept of Langmuir (Lengmyur), was represented as a heterogeneous reaction of first order, and the equation of a straight, $n_0 x = - Ln_0 \ln (1 - x) - K$ was derived. An investigation of the theoretically possible values of the coefficient L in dependence on the adsorbability of the raw material and the reaction products is carried out.

Card 1/2

The Kinetics of the Catalytic Cracking of n-Alkanes 307/76-32-8-9/37

The constants L and K are calculated by means of the equations obtained and the constants of the Arrhenius' equation as well as the activation energies are determined from the values obtained for the diverse temperatures. It was found that the equation mentioned above is a good representation of the cracking reaction. The data obtained are given in a table. There are 4 figures, 1 table, and 5 references, 4 of which are Soviet.

ASSOCIATION: Moskovskiy neftyanoy institut im. akad. I.M. Gubkina (Moscow Institute of Petroleum imeni I.M. Gubkin, Member, Academy of Sciences, USSR)

SUBMITTED: March 11, 1957

Card 2/2

S/076/60/034/010/007/022
B015/B064

AUTHORS: Panchenkov, G. M., Kazanskaya, A. S., and Pecheykin, V. A.

TITLE: Exchange Capacity of Alumosilicate Cracking Catalysts

PERIODICAL: Zhurnal fizicheskoy khimii, 1960, Vol. 34, No. 10, pp. 2217 - 2222

TEXT: Alumosilicate catalysts used for the cracking of hydrocarbons have an acid character. The type of acid and the role of the various acids upon the catalytic process have hitherto not been clarified. V. A. Chernov (Ref. 7) showed that in montmorillonite alumina, besides proton exchange, also an exchange of aluminum ions is possible, and that alumina can be regarded as an aluminum salt of alumosilicic acids. The present paper deals with the ion exchange of an alumosilicate catalyst in aqueous salt solutions of alkali metals. A commercial catalyst (14.01%Al_2O_3, 84.66%SiO_2, 0.36%Na_2O, 0.13%Fe_2O_3, 0.60%CaO) with a specific surface of 305 m^2/g was used, and annealed at 550°C for two hours before the experiment. The experiments were

conducted with NaCl, LiCl, and sodium acetate solutions of different concentrations. The acidity caused by the exchange of the alkali metal for the proton in the catalyst was determined by a method of V. A. Chernov (Ref. 8). The ion exchange was determined by potentiometric titration of the solutions (after two days' vigorous shaking with the catalyst). The results obtained show that the amount of the exchanged protons is much smaller than that of the aluminum ions. After the exchange reaction, aluminum was detected in the NaCl and LiCl solutions, while this was not the case with the sodium acetate solution. This is due to the fact that aluminum acetate hydrolyzes immediately on the surface of the catalyst where it is deposited as aluminum hydroxide, an equivalent amount of acetic acid being dissolved. Experiment and calculation show that the maximum amount of the hydrogen and aluminum ions of the catalyst exchanged by alkali metal ions is practically independent of the type of the latter (i.e., the values for Li and Na ions are practically equal). For the above reason, the amount of acetic acid forming from the sodium acetate solution during the exchange of the ions of the catalyst for Na ions corresponds to the sum of the equivalents of the exchanged hydrogen and aluminum ions of the catalyst. There are

Exchange Capacity of Alumosilicate Cracking Catalysts

S/076/60/034/010/007/022
B015/B064

4 figures, 3 tables, and 8 references: 4 Soviet, 3 US, and 1 British.

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