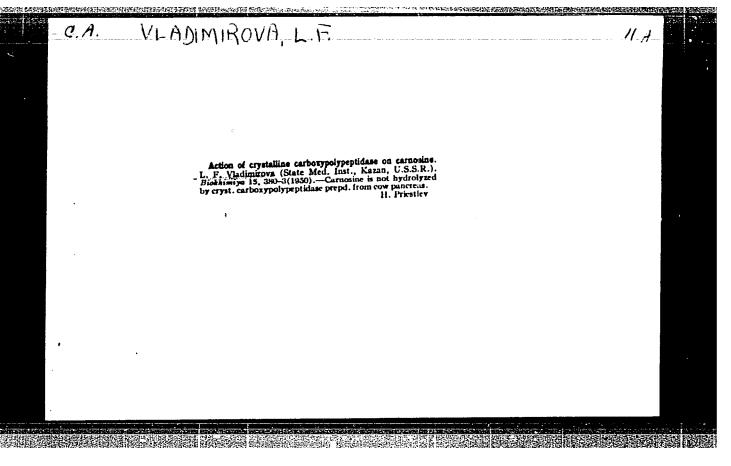
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ANIS ENGVA, V.V.; BELYAYEVA, M.G.; VLADIMIROVA, L.F.; GUTOVSKAYA, A.V.

bata on biochemical studies on the administration of paranitrophenyl ester of dibutylphosphinic acid to experimental animals. Nauch. trudy Kaz. gos. med. inst. 14:77-78 '64. (MIRA 18:9)

1. Kafedra biokhimii (zav. - dotsent L.F.Vladimirova) Kazanakogo meditsinskogo instituta.



VLADIMIROVA, L.F.; MEDVEDEV, N.P.

PH of suppurative wound secretions in various forms of bandaging. Kaz. med. zhur. no.5:48-49 S-0 '61. (MIRA 15:3)

1. Kafedra obshchey khirurgii (zav. -prof. V.N. Shubin) Kazanskogo meditsinskogo instituta i kafedra biologicheskoy khimii (zav. - prof. M.F. Merezhinskiy) Minskogo meditsinskogo instituta.

(BANDAGES AND BANDAGING)
(WOUNDS)

ACCESSION NR: AP4042471

S/0294/64/002/003/0446/0453

AUTHORS: Labuntsov, D. A.; Kol'chugin, B. A.; Golovin, V. S.; Zakharova, E. A. Vladimirova, L. N.

TITLE: The study of bubble growth during boiling of saturated water under wide pressure range by means of high speed motion pictures

SOURCE: Teplofizika vy*sokikh temperatur, v. 2, no. 3, 1964, 446-453

TOPIC TAGS: vapor bubble, boiling water, motion picture, wetting angle, water saturation pressure, motion picture camera SKS IM

ABSTRACT: The growth of vapor bubbles from boiling water in a pressure range

1 to 100 bars and 40 to 150 kvolt/m² heat supply was studied by high-speed motion pictures. The light source was a SVDSh-1000 mercury lamp and the SKS-IM camera was a 1000-to-4000 frame/second instrument. Analysis of bubble growth rate shows a functional dependence between bubble radius R and time $T = \frac{R}{\sqrt{4\pi}} = \frac{\sqrt{2\beta N}}{\sqrt{6\pi}}$.

where β - numerical coefficient

$$\beta = 2\left(\cos\frac{\theta}{2}\right)\ln\frac{\Delta}{y_A}\left[\left(1+\cos\theta\right)^2\left(2-\cos\theta\right)\right]^{-1}.$$

Cord 1/2

ACCESSION NR: AP4042471

and N = $c \rho \Delta T/r \rho$!! (nondimensional parameter). The experiments were performed in two steps; first, from 1-30 bars, and second, 1-100 bars. Under given conditions of pressure and heat-flow rate, the average growth rate for the bubble

followed the rule $R \sim \tau^{\frac{1}{2}}$, decreasing sharply by increasing the pressure. In general, the results showed excellent agreement with the theoretical prediction above, with a mean value for $\beta = 6$. The wetting contact angle ϕ was also investigated experimentally as a function of the water saturation pressure. The results show

a minimum value for $\phi = 30^{\circ}$ under a saturation pressure of 15 bars. Orig. art. has: 7 formulas, 3 figures, and 1 table.

ASSOCIATION: Energeticheskiy institut im. G. M. Krzhizhanovskogo (Institute of Heat Power)

SUBMITTED: 01Feb64

ENCL: 00

SUB CODE: ME.TD

NO REF SOV: 007

OTHER: 017

Card 2/2

L 07559-67 EWT(1) IJP(c) JGS/WW/GD ACC NR AT6029317 SOURCE CODE: UR/0000/66/000/000/0156/0166 AUTHOR: Labunstov, D. A.; Kol'chugin, B. A.; Golovin, V. S.; Zakharova, E. A.; Vladimirova, L. N. 69 ORG: none B41 TITLE: Investigation of the mechanism of the nucleate boiling of water using high speed moving picture photography SOURCE: Moscow. Energeticheskiy institut. Teploobmen v elementakh energeticheskikh ustanovok (Heat exchange in power installation units). Moscow, Izd-vo Nauka, 1966, 156-166 TOPIC TAGS: nucleate boiling, high speed photography, heat transfer coefficient ABSTRACT: The experiments were carried out on a Z-shaped silver plate. The specific heat loads in the experiments varied from 40×10^3 to 150×10^3 watts/m², and the pressure from 1 to 100 bars. The article describes the results of an investigation of the following characteristics of the boiling mechanism: the magnitudes of the bubble densities on the heating surfaces, the values of the breakaway diameters, the macroscopic boundary angles, and the average frequency and rate of growth of the bubbles on the boiling surface. The experimental apparatus consisted of a vertical cylindrical vessel with a removable cover and a condenser. The experimental section Card 1/2

ACC NR: APROX

ACC NR: AT6029317

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was a 99.99% silver plate bent at a right angle, having a thickness of 0.2 mm and a width of 2 mm, and placed on its wide edge. The load on the plate was created by a low voltage direct current. Before the experiments, the surface was given a special preparatory treatment, after which it had a cleanness of Class 8b, GOST 2789-51. The working fluid was distilled water with a salt content of 0.2-0.5 grams/m³. Two series of experiments were made; one on freshly prepared surfaces and the other on surfaces which had been used. The experimental heat transfer data are shown in a table. The following conclusions were drawn: 1) the values of the heat transfer coefficients for surfaces which had been used were lower than those for freshly prepared surfaces; 2) there was observed a sharp decrease in the breakaway diameter with an increase in pressure; 3) the rate of growth of the bubbles slowed down sharply with an increase in pressure; 4) the average macroscopic boundary angles changed only slightly with an increase in pressure. Orig. art. has: 17 formulas, 11 figures and 1 table.

SUB CODE: 20/ STEM DATE: 05Apr66/ ORIG REF: 010/ OTH REF: 013

Card 2/2 nst

ROZINA, D.Sh.; VLADIMIROVA, L.P.

Guanidine thiocyanate. Metod.poluch.khim.reak.i prepar. no.4/5:
15-16 '62.

(MIRA 17:4)

S/121/61/000/004/007/008 D040/D113

AUTHORS:

Vladimirova, L.V., and Mayorova, E.A.

TITLE:

Nonmetallic protection materials for machine tool ways

PERIODICAL: Stanki i instrument, no. 4, 1961, 34-36

TEXT: Results are given of materials; tests conducted in search for substitutes for cardboard, synthetic leather and 65 (65G) band steel used for the protection of machine tool bed ways. Substitutes are required since cardboard and "dermatin" (synthetic leather) are susceptible to water and cutting fluids, and 65G steel is subject to cracking. Tests were carried out at the chemical laboratory of ENIMS together with the machine-tool laboratory of the Moskovskiy zavod shlifoval'nykh stankov (Moscow Grinding Machine Plant). The tested substitutes were as follows: a polyvinyl chloride plastic of the Vladimirskiy khimicheskiy zavod (Vladimir Chemical Plant) produced per standard BTY MX 7 2024-49 (VTU MKhP 2024-49) specification, sheet polyethylene of the Okhtenskiy khimkombinat (Okhta Chemical Combine), synthetic leather of the Kalininskiy "IK" zavod (Kalinin "IK" Plant),

Card 1/2

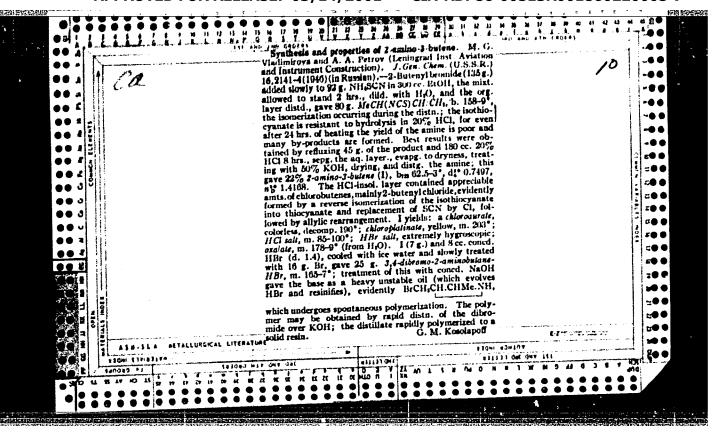
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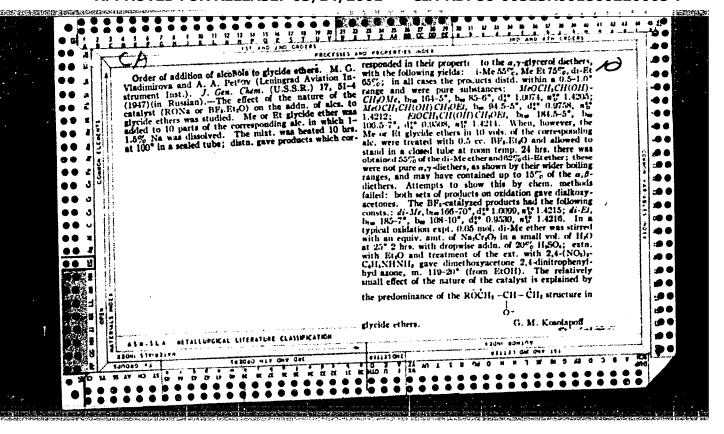
Nonmetallic protection materials

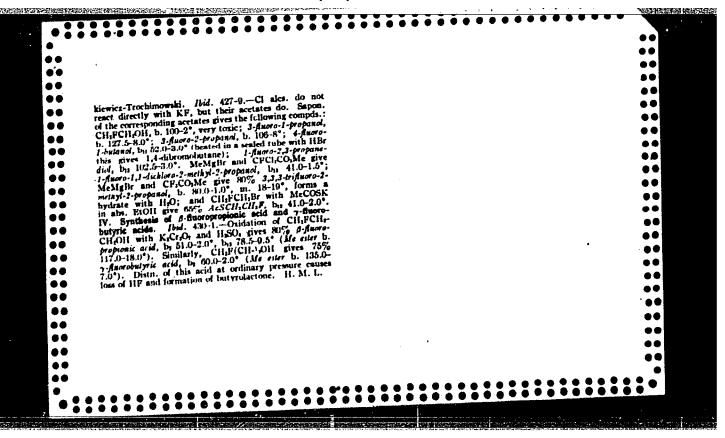
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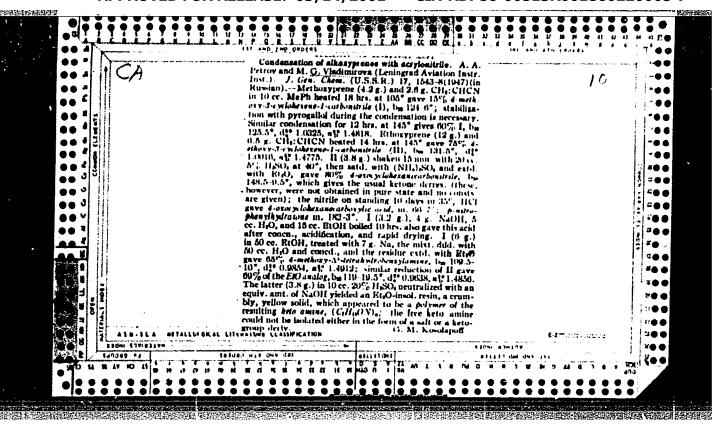
rubberized fabric of the zavod "Kauchuk" ("Kauchuk" Plant) and tentative compounds with combinations of different resins for a base. The experimental specimens of the materials were prepared by the NII plenochnykh materialov i iskusstvennoy kozhi (NII of Film Materials and Artificial Leather). Materials which passed chemical tests for resistance to all possible cutting fluids, humidity, and fatigue resistance in bending, were further tested on a stand. The test results are given in two tables and show the mechanical properties and weight changes of materials after testing for 45 days. Bands of polyvinyl chloride reliably protected machine ways from dirt without any volumetric changes or traces of destruction. It was concluded that the best substitutes for 65G steel are polyvinyl chloride plastic (per VTU MKhP 2024-49), polyvinyl chloride combined with nitryl rubber, and polyethylene. There is 1 figure and 2 tables.

Card 2/2





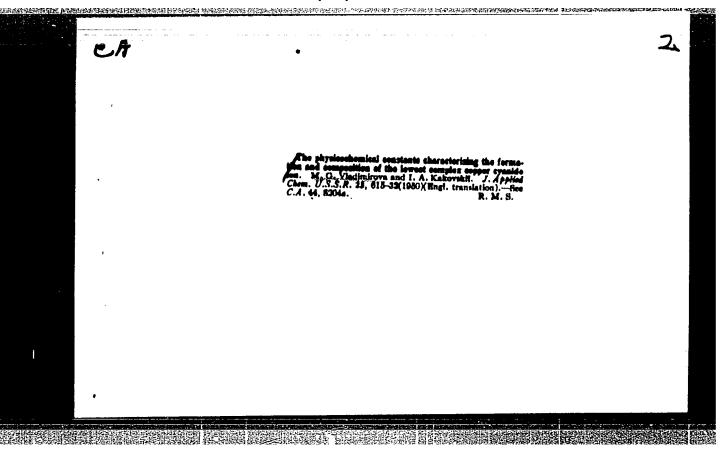


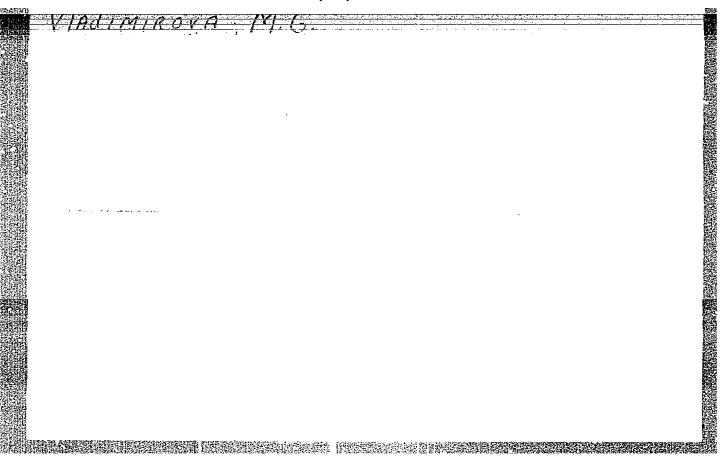


VIADINIROVA, M. G.

Physico-chemical constants characterising the formation and composition of the lowest cuprous against complex, M. C. Vizammiova and I. A. Rakovsky (J. appl: Chem. USSR, 1950, 23, 580-598).—The elucidation of the composition and the conditions of formation of cyanido complexes at conen. similar to those used in the cyanido treatment of the ores of noble metals is attempted. The measurements have therefore been made at conen. of 10-1-10-1 used in the cyanide treatment of the ores of noble metals is attempted. The measurements have therefore been made at conen. of $10^{-1}-10^{-2}$ g-lon per 1., i.e., much lower than in experiments described hitherto in the literature. The standard free-energy changes have been calculated for the following reactions: (i) $Cu' + (CN)' = Cu(CN)_s$, (ii) $Cu(CN)_s + (CN)' = Cu(CN)_s$, (iii) $Cu(CN)_s + (CN)' = Cu(CN)_s$, (iv) $Cu(CN)_s + (CN)' = Cu(CN)_s$, and $Cu(CN)_s + (CN)' = Cu(CN)_s$, and $Cu(CN)_s + (CN)' = Cu(CN)_s$, and $Cu(CN)_s + (CN) = Cu(CN)_s$, and $Cu(CN)_s + (CN)_s + (CN)_s$, and $Cu(CN)_s + (CN)_s + (CN)_s$, and $Cu(CN)_s + (CN)_s + (CN)_s$, and $Cu(CN)_s + (CN)_s +$

10⁻⁹. So by the interaction between the weak acid HCN and sparingly sol. CuCN or CuCNS a strong acid HCu(CN), is formed. The conductivity measurements for HCN and HCu(CN), are also reported. The value of 389 for the equiv. conductance of HCu(CN)₄ at infinite dilution is close to that for HCl. Hence the mobility (f) of the Cu(CN)₄ = 39·2 and its transference no, $T_{\rm eff}\approx 0\cdot10$. The dissociation const. of Cu(CN)₄ was determined by potentiometric measurements with (i) a Cu electrode (1·8 × 10⁻¹⁴); (ii) an analgam electrode containing 0·373% of Cu (1·6 × 10⁻¹⁴); (iii) as (ii) with 0·138% or Cu (2·4 × 10⁻¹⁴). The mean value of 1·9 × 10⁻¹⁴ is in agreement with that calculated thermodynamically from the reaction between CuCNS and HCN. The order of the solubility product of CuCNS has been determined by potentiometric measurements to be 10⁻¹⁸, and has been calculated from the above dissociation constant to be 4·8 × 10⁻¹⁹. Similarly the solubility product of CuCN has been 4·8 × 10⁻¹⁹. Similarly the solubility product of CuCN has been 4.8 \times 10⁻¹⁸. Similarly the solubility product of CuCN has been calculated to be $L_{p=1}[\text{Cu}'][\text{CN}'] = 3\cdot 2 \times 10^{-19}$. Finally, from the known dissociation constants, the free energy of formation of Cu(CN)₄' from Cu' and 2CN' has been calculated to be 58:399 g.-cal. per g.-mol. at 298° K. J. B. J. ZABA.





SOV/137-59-3-7088

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 3, p 30 (USSR)

AUTHORS: Ipat'yev, V. V., Nizhel'skiy, V. F., Vladimirova, M. G.

TITLE: Atmospheric Oxidation of Cobalt and Alloy of Iron With 13% Cobalt

(Okisleniye v vozdukhe kobal'ta i splava zheleza s 13% kobal'ta)

PERIODICAL: Tr. Leningr. lesotekhn. akad. 1958, Nr 80, part 2, pp 47-56

ABSTRACT: The authors investigated the kinetics of atmospheric oxidation of Co

in the 700-1200°C temperature range and of an alloy of Fe with 13% Co (I) in the 600-1100° range by the method of periodic weighing of specimens without removing them from the furnace reaction tube. It was found that the oxidation of Co and I is subject to a parabolic law. Micrographic investigations revealed that at 900, 1000, and 1200° Co scale consists of CoO with small inclusions of Co₃O₄ grains of secondary origin. The I scale at 1000° consists of the

three following layers: R₂O₃, R₃O₄, and RO.

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Card 1/1

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THE RESIDENCE OF THE PROPERTY OF THE PROPERTY

Nizhel'skiy, V. F., Vladimirova, M. G. AUTHORS:

On the problem of oxidation of cobalt in air TITLE:

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 2, 1962, 81, abstract 21548 ("Nauchn. tr. Leningr. lesotekhn. akad.", 1961, no. 92, pt. 3,

117-119)

TEXT: In the course of oxidation of Co covered with metallic Au, the layer of Co oxide which forms in air at 800 - 950 C grows on account of Co diffusion (by 72%) and on account of 0_2 diffusion (28%).

Authors' summary

[Abstracter's note: Complete translation]

Card 1/1

CIA-RDP86-00513R001860220005-7" APPROVED FOR RELEASE: 03/14/2001

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18.1152 18.1150

5/137/62/000/002/102/14 AC60/A101

AUTHORS:

Vladimirova, M. G., Nizhel'skiy, V. F.

TITLE:

Oxidation of molybdenum and its alloys with iron in an air environment

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 2, 1962. 81, abstract 21550 ("Nauchn. tr. Leningr. lesotekhn. akad.", 1961, no. 92, pt. 3, 105 - 115)

The oxidation of Mo in the temperature range 350 - 550°C proceeds TEXT: basically according to the parabolic law. Oxides forming on the Mo in the course of oxidation in air consist of MoO2 and MoO3. The process of oxidation of Fe-Mo alloys containing 5 and 10% Mo occurs according to the parabolic law and the temperature dependences of the processes may be expressed by the equations

 $\log K = -39.685/4.57 T + 7.64$ (for the 5% alloy)

and

log K = -40.535/4.57 T + 8.04(for the 10% alloy)

The scale on Fe-Mo alloys with 5 and 10% Mo under oxidation in air (700 - 900°C) Card 1/2

Oxidation of molybdenum and its alloys with...

S/137/62/000/002/102/144 A060/A101

is three-layered and consists of the following layers: Fe $_2$ 03, Fe $_3$ 04, Fe0. The Mo raises the heat-resistance of iron, and the strongest effect is produced by the addition of the first 5% Mo. There are 8 references,

Authors' summary

[Abstracter's note: Complete translation]

Card 2/2

VLADIMIROVA, M.G.; KUZNETSOV, Ye.D.

Dynamics of the variation of nitrogen and phosphorus content in the medium under various conditions of intensive cultivation of chlorella. Fiziol. rast. 11 no.5:827-837 S-0 164.

(MIRA 17:10)

1. Timiriazev Institute of Plant Physiology, U.S.S.R. Academy of Sciences, Moscow.

ACC NR. AP6019783

34111-00

SOURCE CODE: UR/0220/66/035/003/0538/0548

AUTHOR: Vladimirova, M. G.; Ignat'yevskaya, M. A.

 \mathcal{B}_{-}

ORG: Institute of Plant Physiology im. K. A. Timiryazev, AN SSSR (Institut

fiziologii rastenıy AN SSSR)

DITE / L /

2

TITLE: Study of the effect of preservation conditions of Chlorella cultures on their productivity

SOURCE: Mikrobiologiya, v. 35, no. 3, 1966, 538-548

TOPIC TAGS: Chlorella, photosynthesis, algae

ABSTRACT: Algae collections were investigated for photosynthetic activity and the effects of temperature and light on them. More than 100 green species were examined (including 51 Chlorella and 19 Scenedesmus) at 10-12C under constant illumination not exceeding 500 lux from luminescent 15-w lamps. Higher light intensity killed some cultures, particularly Ankistrodesmus and Scenedesmus. As a rule, agar (1%) was employed with Tamiya medium and KNO3. Chlorococcum, Pleurochloris magna, Haematococcus pluvialis and some Ankistrodesmus, and Scenedesmus species were better preserved in Prat medium. Transplantation was carried out at 25-28C every 1.5-2 months at 1200-1700 lux and stored at 10C. Preservation was also carried out in the dark at 5C and no adverse effects were noted. In other experiments, the initial cultures were trans-

UDC: 582.263: 579.864

Card 1/2

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ACC NR: AP6019783

planted for 5-6 days at 25-27C and some were stored at 10C, others at 25-27C. In fluid medium, algae were grown under intensive conditions; 100 ml of suspension (300--400 million cells/ml) were transferred to Erlenmeyer flasks (250 ml), and stored under the same conditions. Specimens at 25-27C were transplanted every 6-10 days. Cultures were revitalized at 25-27° for 3-5 days. in 100 ml-suspension and 500 ml-Prat or Tamiya fluid medium. In the final stage, algae were cultivated in 250-ml medium continuously illuminated at 10-12000 lux with 1% CO₂ air diffusion at 25-27C. Every experiment was repeated twice, with cell count ranging from 0.3-1.0 million/ml; growth time ranged from 4-6 and occasionally 12 days. Analysis was carried out microscopically and nephelometrically and the dry mass weight was determined. High productivity was revealed by mesophyllic Chlorella pyrenoidosa 82 and thermophyllic strains Chlorella sp.K., 19 H/B, Chlorella sp. (p-strain 1), Scenedesmus sp. (Texas, 22- str. 1) at 10C, 500 lux when transplanted after 1.5-2.5 months. Pyrenoidosa 82 revealed reduction in activity after exposure at 25-27C while thermophyllic algae continued to grow well. Their productivity was affected by factors following preservation, namely, intensity of cultivation and composition of intermediate media. Orig. art. has: 7 figures, 3 tables.

SUB CODE: 06/ SUBM DATE: 19Jan65/ ORIG REF: 007/ OTH REF: 019 /

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| ACC NR: AP6030895 | SOURCE CODE: UR/0080/66/039/008/1689/1693 |
| AUTHOR: Nizhel'skiy, | V. F.; Vladimirova, M. G. |
| ORG: Leningrad Fores | try Engineering Academy im. S. M. Kirov (Leningradskaya |
| lesotekhnicheskaya ak | |
| TITLE: Oxidation of temperatures | cobalt in sulfur dioxide and carbon dioxide gas at high |
| | 0 244 2400 3603 |
| SOURCE: Zhurnal prik | ladnoy khimii, v. 39, no. 8, 1966, 1689-1693 |
| gas corrosion, high to ABSTRACT: Specimens resistance in sulfur sulfur dioxide was for in carbon dioxide 760—950C consists of temperatures over 800 | emperature oxidation of 99.9%-pure electrolytic cobalt were tested for oxidation dioxide and carbon dioxide at 600-1100 C. The oxidation rate in and to be parabolic and substantially higher than that in air (see Fig. 1). The oxide layer formed in sulfur dioxide at cobalt oxides and sulfides (Co4 S3). The layer formed at C strongly adheres to the base metal. The sulfur content in cooc amounts to 10.14% and in the layer formed at 9000, to |
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| Card 1/2 | UDC: 546.73+542.943: |

| ACC NR: AP6030895 12.61%. Oxidation in carbon dioxide at 900—1100C follows a linear rate. The 1100°1000°900° 800° 700° 600° Fig. 1. Temperature dependence of cobalt oxidation rate (mg/cm²-hr) in sulfur dioxide 1 - In air; 2 - in carbon dioxide 3 oxide layer formed in carbon dioxide is a thin film consisting of Co O. Orig. art. [ND] sub code: 13, 11/ Subm Date: 27Jun64/ ORIG REF: 003/ OTH REF: 004 | 1, 0510 | 1-67 | 1 |
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| Lage U fightes, / W.M. 501 | oxide | layer formed in carbon dioxide is a thin firm | נמאן |
| SUB CODE: 13, 11/ SUBM DATE: 27Jun64/ ORIGINAL. 555/ | 1 2 | O TIMITEB. / W.M. SOJ | |
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ACC NR: AP6036768 (A,N)

SOURCE CODE: UR/0326/66/013/006/0949/0957

AUTHOR: Semenenko, V. Ye.; Zimin, M. B.; Vladimirova, M. G.; Klyachko-Gurvich, G. L.; Sokolov, M. V.; Nichiporovich, A. A.

ORG: Institute of Plant Physiology im. K. A. Timiryazev, Academy of Sciences, SSSR, Moscow (Institute fiziologii rasteniy Akademii nauk SSSR); Institute of Biophysics, Academy of Sciences, SSSR (Institut biofiziki Akademii nauk SSSR)

TITLE: Photosynthetic productivity and efficient utilization of radiant energy in Chlorella as a function of spectral energy distribution in an equal-energy light field

SOURCE: Fiziologiya rasteniy, v. 13, no. 6, 1966, 949-957

TOPIC TAGS: plant metabolism, plant growth, photosynthesis, photosynthetic productivity, photosynthetic active radiation, equal energy field, energy utilization

ABSTRACT: Photosynthetic productivity and the efficiency of utilization of photosynthetically active radiation in Chlorella sp. K were studied as a function of spectral energy distribution in an equal-energy field. Evaluation was based on the biomass increase, productivity, biosynthesis of nitrogen compounds, and other factors. An equal-energy light field with an intensity of 32·10³ erg/cm²·sec was obtained by means of ND-2 neon-arc lamps and L-30 "blue" fluorescent lamps. The

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ACC NR: AP6036768

balance between "blue" (380—535 mµ) and "red" (610—710 mµ) light could be varied at will. It was found that as the spectral composition was shifted from short to long wavelengths (i.e. from "blue" to "red") within the photosynthetically active range, the growth and development rates, and photosynthetic productivity and efficiency of energy utilization increase, while the amount of nitrogen compounds decreases during prolonged cultivation of Chlorella suspensions. The highest productivity and energy utilization efficiency were observed with 80% "red," 7.5% "blue," and 12.5% intermediate range (535—610 mµ) radiation. This increase in productivity and efficiency resulting from a shift of radiation blaance in the "red" direction is explained by the increase in the number of photons per unit of energy occurring with the increase of wavelength. This may indicate that the growth and development of algae in the energy distribution variants of the present experiment were not limited by photocatalytic systems, and that productivity was completely determined by the photosynthetic process. Orig. art. has: 1 table and 4 figures.[BM]

SUB CODE: 06/ SUBM DATE: 22Sep65/ ORIG REF: 013/ OTH REF: 010/

ATD PRESS: 5109

Card 2/2

20-119-3-58/65

AUTHOR:

Vladimirova, M. G.

TITLE:

On the Development of Colorless Thiospirilla in a Bacterial Plate Along With Heterotrophic Microorganisms (O razvitii bestsvetnykh tiospirill v bakterial'noy plastinke sovmestnos geterotrofnymi mikroorganizmami)

PERIODICAL:

Doklady Akademii Nauk SSSR, 1958, Vol. 119, Nr 3, pp. 598-601 (USSR)

ABSTRACT:

Among the colorless sulfur bacteria thiospirilla are the least investigated. Earlier (Refs 1 - 6) "bacterial plates" had been studied containing sulfur spirilla in the mud on the ground of cylinders filled with water. The pure cultures could be obtained only with difficulties. In the present work accumulation culture was maintained on an artificial culture medium. A methodical prescription for cultural madia is given. A typical plate of spirilla could be obtained by adding to the culture medium samples of water and mud from small ponds in Sokol'niki. The spirilla of which it consisted looked like small mobile cells of a thickness of 1 - 2 m and of a length of 3,4 - 7,6 m. In young cultures the main mass of the cells was represented by vibriones two of which often were connect-

Card 1/4

20-119-3-58/65

On the Development of Colorless Thiospirilla in a Bacterial Plate Along With Heterotrophic Microorganisms

ed and which because of their movements reminded of the cells of spirilla. Nearly all cells have S-shape in the grown-up state. The plate is a thin band, not longer than 2 mm, of a grey - white color and with some downwards outgrowths, which can be seen best at lateral illumination. It formed best with a pH of the agar = 6,0 - 7,0. No formation could be observed at higher pH-values than 7,5. The plate developed well between 18 and 30°, optimum temperature was at 25 - 27°. At 48° the development stopped. The culture could develop only in the dark. Light killed it. The plate shifts during the development. It raises up to 37 mm above the agar and then lowers down to 15 cm. This can be explained by the demand of a certain concentration of oxygen or food. There were also small amounts of bacilli and cocci in the spirilla culture. Their number increases with the age of the culture. They seem to be: Ps.fluorescens, M. candicans, or M. terragenus or similar forms (table 2). A method of purification by feeding the original culture purely minerally in a CO2-, O2-, H2S- and N2-atmosphere is recommended. On it spirilla cannot develop. They proved to be autotrophic at the addition

Card 2/4

20-119-3-58/65

On the Development of Colorless Thiospirilla in a Bacterial Plate Along With Heterotrophic Microorganisms

of 0,0001% of autolyzer yeast and oxidized H₂S to H₂S0 on which occasion CO₂ was consumed only in very little amounts (table 3). The bacterial plate described here was cultivated for 4 years on an artificial mineral culture medium in a laboratory. As it was said already it consisted of spirilla and 3 heterotrophic attendants. Attendant Nr 1 and 2 could not develop alone on the used culture medium. Attendant Nr 3 alone developed weakly and could not assimilate CO₂ in the liquid mineral culture medium. The spirilla are to be placed to the colorless thiospirilla. They develop rapidly and form a normal plate on the agar - water - culture medium only under the presence of the mentioned attendants. Therefore, symbiosis exists between the microorganisms forming the plate. There are 3 tables, and 6 references, 5 of which are Soviet.

Card 3/4

20-119-3-58/65

On the Development of Colorless Thiospirilla in a Bacterial Plate Along With Heterotrophic Microorganisms

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova

(Moscow State University imeni M. V. Lomonosov)

PRESENTED: January 6, 1958, by V. N. Shaposhnikov, Member, Academy of

Sciences, USSR

SUBMITTED: December 3, 1957

AVAILABLE: Library of Congress

Card 4/4

SEMENKO, V.Ye.; VLADIMIROVA, M.G.; POPOVA, M.A.

Culture of Chlorella pyrenoidosa in pulsed light. Fiziol. rast. 7
no.4:459-465 160. (MIRA 13:9)

1. K.A. Timiriazev Institute of Plant Physiology, U.S.S.R. Academy of Sciences, Moscow.

(Algae) (Light—Physiological effect)

AND DESCRIPTION OF THE PROPERTY OF THE PROPERT

VIADIMIROVA, M.G.

Studies on autotrophic properties of Spirillum developing in the form of a bacterial layer in Van Niel's medium. Mikrobiologiia 29 no.1:28-33 Ja-F '60. (MIRA 13:5)

1. Biologo-pochwennyy fakul tet Moskovskogo gosudaratvennogo universiteta imeni M.V. Lomonosova.

(SPIRILIUM culture)

VLADIMIROVA, M.G. Study of the heterotrophic properties of Spirilla growing in the

Study of the heterotrophic properties of Spirilla growing in 12:248-form of layers on a Van Niel medium. Mikrobiologiia 29 no.2:248-252 Mr-Ap 160. (MIRA 14:7)

1. Biologo-pochvennyy fakulitet Moskovskogo gosudarstvennogo universiteta imeni M.V.Lomonosova.

(SPIRILLACEAE)

(BACTERIOLOGY_CULTURES AND CULTURE MEDIA)

SEMENENKO, V.Ye.; VIADIMIROVA, M.G.

All-Union Conference on the Cultivation of Unicellular Algae.

Fiziol. rast. 8 no.4:518-520 161.

(Algae)

(Algae)

VLADIMIROVA, M. G.

Dynamics of the development of bacterial microflora during the cultivation of Chlorella. Mikrobiologiia 30 no.3:431-435 My-Je '61. (MIRA 15:7)

1. Institut fiziologii rasteniy AN SSSR imeni K. A. Timiryazeva.

(ALGAE) (PSEUDOMONADACEAE)

SEMENENKO, V.Ye.; VLADIMIROVA, M.G.

Effect of the conditions of space flight in a spaceship on the viability of the Chlorella culture. Probl.kosm.biol. 1:190-(MIRA 15:12)

(SPACE FLIGHT—PHYSIOLOGICAL EFFECT)
(ALGAE—CULTURES AND CULTURE MEDIA)

TOTA CONTRACTOR STOCKER STOCKE

39289 S/216/62/000/002/002/002 1016/1216

AUTHOR: Nichiporovich, A. A., Semenenko, V. E. and Vladimirova, M. G.

TITLE: Intensification of the photosynthetic productivity of a culture of unicellular algae

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya biologicheskaya, no. 2, 1962, 163-172

TEXT: Unicellular algae could be used for food and for regeneration of O₂ in space flights if the photosynthetic productivity of the algal cultures were considerably improved. The present study deals with means of increasing the photosynthetic productivity of such cultures, mainly by increasing the rate of photosynthesis per unit volume of culture. Light is the major factor affecting photosynthetic productivity of dense algal suspensions. However, stronger illumination raises the temperature of the culture slowing down the growth of the mesophilic algae. Experiments with thermophilic algae have shown that with these forms, much higher photosynthetic productivity could be achieved employing higher illumination coefficients. There are 11 figures.

ASSOCIATION: Institut fiziologii rasteniy im. K. A. Timiryazeva, Akademii nauk SSSR (Institute of

Plant Physiology im. K. A. Timiryazev, Academy of Sciences USSR)

SUBMITTED: December 8, 1961

Card 1/1

VLADIMIROVA, M.G.; SEMENENKO, V.Ye.; NICHIPOROVICH, A.A.

Comparative study on the productivity of various forms of unicellular algae. Probl.kosm.biol. 2:314-325 '62 (MIRA 16:4)

(ALGAE—CULTURES AND CULTURE MEDIA)

Semenenco, V.Ye.; VLADIMIROVA, M.G.; NICHIPOROVICH, A.A.

Some principles of the intensification of the photosynthetic productivity of some cultures of unicellular algae. Probl.kosm. biol. 2:326-339 '62. (MIRA 16:4)

(ALGAE—CULTURES AND CULTURE MEDIA)

(PHOTOSYNTHESIS)

SEMENENKO, V.Ye.; VLADIMIROVA, M.G.

First results of the experiments with Chlorella culture exposed in space on the second spaceship. Isk.sput.Zem. no.12:55-62 (MIRA 15:8)

162. (Space biology)

SEMENENKO, V.E.; [Semenenko, V.Ye.]; VLADIMIROVA, M.G.

Conditions of the cosmic flight on a satellite ship, and their influence on the viability of the culture of Chlorella. Analele biol 16 no.3:115-122 My-Je '62.

DECEMBER HOUSE SELECTION OF THE SECOND

KUZNETSCV, Ye.D.; VLADIMIROVA, M.G.

Changes in the mineral composition of the culture medium in the cultivation of Chlorella. Fiziol.rast. 12 no.1:33-38 Ja-F 165.

(MIRA 18:3)

1. Institut fiziologii rasteniy imeni Timiryazeva AN SSSR, Moskva.

NICHIPOROVICH, A.A.; SEMENENKO, V.Ye.; VLADIMIROVA, M.G.

。 1987年,1987年,1987年,1987年,1987年,1987年,1987年,1987年,1987年,1987年,1987年,1987年,1987年,1987年,1987年,1987年,1987年,1987年,19

Intensification of the photosynthetic productivity of cultures of unicellular algae. Izv. AN SSSR. Ser. biol. no.2:163-172 (MIRA 16:7)

l. Institut fiziologii rasteniy imeni Timiryazeva AN SSSR.

(ALGAE—GULTURES AND CULTURE MEDIA)

(PHOTOSYNTHESIS)

SEMENENKO, V.Ve.; VLADIMIROVA, M.G.

Effect of cosmic flight conditions in the spaceship on the viability of Chlorella. Fiziol. rast. 8 no.6:743-749 '61. (MIRA 16:7)

1. Timiriazev Institute of Plant Physiology, U.S.S.R. Academy of Sciences, Moscow. (Space flight—Physiological effect) (Algae)

VLADIMIROVA, Mariya Grigor'yevna; GREKHOVA, Lidiya Ivanovna;
ARASHKEVICH, V.M., retsenzent; OKUN', R.M., red.izd-va;
LAVRENT'IEVA, L.G., tekhn. red.

[Harmful substances and the control of their content in
the air of gold-recovery plants] Vrednye veshchestva i
kontrol' soderzhaniia ikh v vozduke zolotoiz-zleiatel'nykh
fabrik i zavodov. Moskva; Gosgortekhizdat, 1963. 43 p.
(MIRA 16:11)

(Gold-Metallurgy) (Air-Pollution)
(Metalworkers-Diseases and hyglene)

VIADIMIROVA, M.K.; AFONSKAYA, N.Ye.

Harly symptoms of meningitis in children with tuberculosis. Sov.med.
20 no.11:56-60 N '56.

1. Iz Malakhovskogo klinicheskogo detskogo tuberkuleznogo sanstoriya
Moskovskoy oblasti (dir. M.K.Vladimirova)

(TUBERCULOUS MENINGITIS, in inf. and child
diag.)

VLADIMIROVA, M. K., DR.

Tuberculosis - Hospitals and Sanatoriums

Organization, regimen, treatment, and care in pediatric tuberculosis sanatoriums. Med. sestra No. 6, 1952

9. Monthly List of Russian Accessions, Library of Congress, September 1952 1969, Uncl.

CIA-RDP86-00513R001860220005-7 "APPROVED FOR RELEASE: 03/14/2001

VLADIMIROVA, M. K. DR.

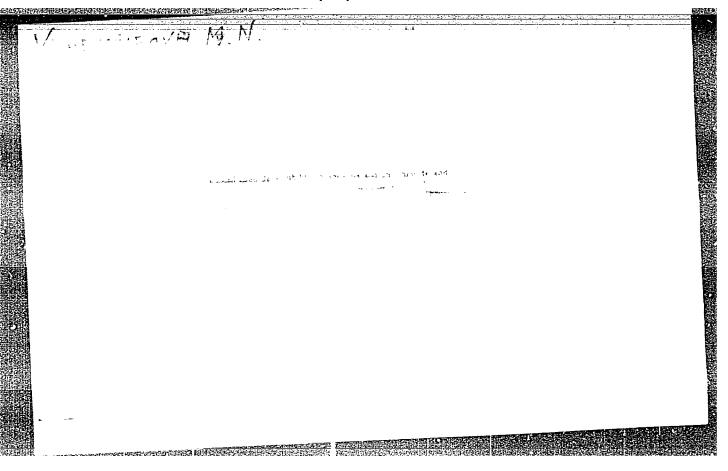
Children - Hospitals and Asylums

Organization, regimen, treatment, and care in pediatric tuberculosis s natoriums. Med. sestra Mo. 6, 1952.

9. Monthly List of Russian Accessions, Library of Congress, September 1958? Unclassified.

MAYEVSKAYA, V.M., kano.tekhn.nauk; VLADIMIROVA, M.M., inzh.

Classification of Karaganda Basin coals according to their tendency toward spontaneous combustion. Vop.bezop.v ugol'.shakn. (MIRA 18:1) 4:180-188 '64.



VIADIMIROVA, M.V.; YERSHOVA, Z.V.

Effect of & -radiation on sulfuric acid solutions of methylene
Effect of & -radiation on sulfuric acid solutions of methylene
blue. Mechanism of & -radiolysis. Radiokhimila 5 no.4:479-445
blue. Mechanism of & -radiolysis. Radiokhimila 5 no.4:479-445
(MIRA 16:10)

(Methylene blue, Effect of radiation on)

S/844/62/000/000/026/129 D244/D307

AUTHORS: Vladimirova, H. V. and Yershova, Z. V.

Radiolysis of aqueous sulphuric acid solutions under the TITLE:

action of & radiation

Trudy II Vsesoyuznogo soveshchaniya po radiatsionnoy khi-SOURCE:

mii. Ed. by L. S. Polak. Moscow, Izd-vo AN SSSR, 1962,

162-166

TEXT: The object of the present work was to investigate the evolution of gases resulting from a irradiation of aqueous H2SO4 solutions of various concentrations and the influence of certain acceptors (glucose, methylene blue, H_2) on the initial yields of H_2 , O_2 and H_2O_2 . Po²¹⁰ dissolved in the solutions was used as the source of Q rays. The dosage varied from 2 x 10^{14} to 2 x 10^{16} ev/ml.sec. It was found that the yield of $\rm H_2$ increases somewhat with the increasing H_2SO_4 concentration (0.4 to 4.0 M) and the yields of O_2 Card 1/2

Radiolysis of aqueous ...

S/844/62/000/000/026/129 D244/D307

become lower. The initial yield of $\rm H_2$ in 0.4 M $\rm H_2SO_4$ remains constant for a wide range of absorbed energy (5 to 400 x $\rm 10^{18}$ eV/ml), and concentration of $\rm Po^{210}$ (from 1 to 100 mcuries/ml). Glucose (0.005 M) and methylene blue (7 x $\rm 10^{-5}$ M) begin to interact with OH in the 'track' region as suggested by the increased initial yields of $\rm H_2O_2$ and $\rm H_2$. In the presence of $\rm H_2$ (0.1 M) the yield of $\rm H_2O_2$ increases. The reactive capacity of the various acceptors with OH radicals decreases in the order methylene blue, $\rm Tl^+$, glucose, $\rm H_2$. There are 1 figure and 4 tables.

Card 2/2

VLADIMIROVA, M. V., Cand. Chem. Sci. (diss) "Effect of Alpha Radiation on Aqueous Solutions of Sulfuric Acide." Moscow, 1961, 12 pp. (Acad. of Sci. USSR, Instit. of Electro-Chemistry) 120 copies (KL Supp 12-61, 255).

VLADIMIROVA, M.V.; TERSHOVA, Z.V.

Action of alpha radiation from polonium on concentrated sulfuric acid solutions. Radiokhimila 2 no.4:1495-499 '60. (MIRA 13:9)

(Folonium) (Sulfuric acid) (Alpha rays)

21(4) 507/89-5-5-6/27

AUTHORS: Yershova, Z. Y., Yladimirova H. Y.

TITLE: The Effect Produced by α-Radiation Upon Aqueous Solutions of Acids (Deystviye α-iz)ucheniya na vodnyye rastvory kidot)

PERIODICAL: Atomnaya energiya, 1950, Vol 5, Nr 5, pp 546-549 (USSR)

ABSTRACT: The effect produced by the arradiation of polonium

(0,09 - 1,5 mC/ml) upon a 0,8 n aqueous sulfuric acid was

investigated.

The polonium was precipitated from a nitric acid solution on copper powder, after which it was distilled in a vacuum. The distillate was dissolved in a 6n nitric acid. This solution was used as initial product for the experiments to be carried out. A certain part of this solution was dried by evaporation in a quartz bowl, the residues were dissolved in freshly prepared 0,8 n sulfuric acid and stored in a glass vessel (Pyrex glass). The radiation-chemical yield of hydrogen peroxide is considered as criterion for

the purity of the polonium sulfate solution.

The latter is determined by the number of hydrogen peroxide molecules which are liberated in the unit volume by 100 eV

Card 1/3

SOV/89-5-5-6/27 The Effect Produced by α -Radiation Upon Aqueous Solutions of Acids

是一个人,我们就是一个人的人,我们就是这个人的人,我们就是这个人的人,我们是一个人,我们是一个人,我们们就是一个人的人,我们们就是我们的人,我们就是我们的人,我们

absorbed energy. The average quadratic error committed when determining the yield amounted to + 10 %. The hydrogen percuide was determined by means of the apparatus Φ3 K-14 according to the photocolorimetric method. The average quadratic error in this case amounted to $\pm 8 - 9$ %. The energy E in eV/ml absorbed during the time T (in hours) was determined from the relation $E = 7.06.10^{17}$.A.T, where A denotes the activity of the solution in mC/ml, which was measured by means of a scintillation counter. It was found by experiment that within the range of polonium concentrations of from 0,09 to 1,5 mC/ml the radiation-chemical yield of hydrogen percxide is at first equally high, viz. 1,20 \pm 0,12 molecules per 100 eV absorbed energy. The hydrogen peroxide concentration tends towards a limiting value. The limiting equilibrium concentration of hydrogen per-oxide in 0.8 n sulfuric acid amounts to $\sim 5-8.10^{18}$ molecules/ml. There are 3 figures; 1 table; and 2 references; 2 of which are Soviet.

Card 2/3

L-39091-66 EWI(m) AP6022880 ACC NR

SOURCE CODE: UR/0186/66/008/002/0226/0232

Vladimirova, M. V.; Kulikov, I. A.; Shulyatikova, L. G.

ORG: none

TITIE: Alpha- and beta-radiolysis of aqueous solutions of light and heavy water

SOURCE: Radiokhimiya, v. 8, no. 2, 1966, 226-232

TOPIC TAGS: alpha radiation, beta radiation, heavy water, radiation effect

ABSTRACT: The effect of various substances on the yield of hydrogen formed under the influence of a radiation (emitted by dissolved polonium) and β radiation (emitted by dissolved tritium) in ordinary and heavy water (D₂0) containing 3 x 10⁻³ H Fe²⁺ was studied. The criterion of capture of H and D radicals was the value of the initial hydrogen yield. The yields of radical products of radiolysis, obtained from the dependence of the oxidation of iron on the absorbed energy, showed the presence of a considerable isotope effect. The influence of the hydrogen radical acceptors NO3, NO₂, and UO₂²⁺ on the hydrogen and deuterium yields in the α and β radiolysis of light water and α radiolysis of heavy water was determined. It was found that the decrease of H2 yield is different in these two media. This is due to the difference in the radii of the Gaussian distribution of the H and D radicals, and also to the difference in the rate constants of the reactions between the radicals and the acceptors. Orig. art. has: 5 figures, 3 tables, and 9 formulas.

SUB CODE: 07/ SUBM. DATE: 23Nov64/ ORIG REF: 005/ OTH REF: 010 UDC:

IJP(c) EWT(m) 06994-67 ACC NK: AP6021527

SOURCE CODE:

UR/0089/66/020/006/0509/0510

AUTHOR: Vladimirova, M. V.; Batalov, A. A.; Kulikov, I. A.; Shulyatikova, L. G.

ORG: none

TITLE: New method of chemical dosimetry of reactor radiation

SOURCE: Atomnaya energiya, v. 20, no. 6, 1966, 509-510

TOPIC TAGS: water cooled nuclear reactor, reactor neutron flux, hydrogen, iron,

radiation detector/ VVR reactor

ABSTRACT: This is an abstract of paper no. 85/3450 submitted to the editor and filed, but not published. On the basis of experimental data on the yield of H2 and Fe3+ for different radiators, the authors have established relations between this yield and the linear energy transfer of the recoil γ quanta and protons in mixed fluxes of fast neutrons and γ quanta. The dosimetry procedure described is based on determining, following equal irradiation time in the reactor, the concentration of the hydrogen and trivalent iron in two solutions. One solution is gas-free H2SO4 (0.8 N), and the other is the same liquid but saturated with oxygen and mixed with FeSO4. Previously obtained plots of the hydrogen yield against the ratio of the yields and concentrations of H2 and Fe3+ (Atomnaya energiya v. 17, 222, 1964) make it possible to determine the hydrogen yield for the mixed radiation, and then to calculate the absorbed energy and from it finally the rate of oxidation of iron. The procedure was tested for a mixed stream of α particles from Po²¹⁰ and β particles from H³ and used for

1/2 Card

539.12.04 UDC:

| dosimetric mea of the γ and n termining the | surements in the eutron doses in a absorbed energy: absorbed energy: | the reactor in water-co | r is obtained. ooled reactors | The proposed recan be used for | nethod for de- | |
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VLADIMIROVA, N.A.; ARTAMONOVA, V.G.

Use of the some forms of physiotherapy in the first and second stages of the vibration disease. Vop. kur., fizioter. i lech. fiz. kult!. 30 no.3:215-219 My-Je '65. (MIRA 18:12)

1. Kafedra fizicheskoy terapii TSentralinogo instituta usovershenstvovaniya vrachey (zav.- dotsent A.P. Speranskiy) i kafedra professionalinykh zabolevaniy (zav.- prof. Ye.TS. Andreyeva-Galanina) Leningradskogo Sanitarno-gigiyenicheskogo meditsinskogo instituta. Submitted February 26, 1964.

VIADINIROVA, N.A.

Effect of an ultrahigh-frequency electric field on the course of experimental radiation sickness in animals. Med.rad. 4 no.7:14-20 Jl 159. (MIRA 12:9)

1. Iz kafedry fizioterapii (zav. - prof.V.A.Militsyn) i kafedry meditsinskoy radiologii (zav. - prof.V.K.Modestov) TSentral'-nogo instituta usovershenstvovaniya vrachey.

(RADIATION INJURY exper.)

(RIECTRICITY eff.)

VLADIMIROVA, N.A.

Study of the mechanism of the action of a UHF electric field with the aid of radioactive isotopes. Nauch. rab. asp. i klin. ord. (MIRA 14:12) no.6:150-153 '60.

1. Kafedra fizicheskoy (zav. prof. V.A.Militsyn) TSentral'nogo instituta usovershenstvovaniya vrachey.

(ELECTRICITY—PHYSIOLOGICAL EFFECT)

(RADIOACTIVE TRACERS)

VLADIMIROVA, N. A., Cand Red Sci -- (diss) "Effect of electrical field at ultra-high frequency on the course of experimental radiation sickatultra-high frequency of experimental radiation si

VLADIMIROVA, N.A.; ARTAMONOVA, V.G.

Use of some types of physiotherapy in the first and second stages of vibration disease. Trudy TSIU 72:69-81 164. (MIRA 18:11)

1. Kafedra fizicheskoy terapii (zav. dotsent A.P. Speranskiy) i kafedra professional nykh zabolevaniy (zav. prof. Ye.TS. Ardreyeva-Galinina) Leningradskogo sanitarno-gi.giyenicheskogo meditsinskogo instituta.

SEMUSHINA, T.N.; VLADIMIROVA, N.I.

Use of branchy yeasts in the production of hydrolytic alcohol. Gidroliz. i lesokhim. prom. 14 no.4:7-9 '61. (MIRA 14:5)

ANDREYEV, K.P.; VLADIMIROVA, N.I.; REZUKHINA, A.V.; ZINGEL', M.A.; FINKEL', G.M.

Flotation method of isolating yeasts from yeast beer. Gidroliz.i lesokhim.prom. 13 no.3:11-14 '60. (MIRA 13:7)

upplementaries de la company d

1. Nauchno-issledovatel'skiy institut gidroliznoy i sul'fitnospirtovoy promyshlennosti (for Rezukhina). 2. Sukhonskiy sul'fitno-spirtovoy zavod (for Finkel'). (Yeast) (Flotation)

SEMUSHINA, T.N.; VIADIMIROVA, N.I.

Selecting strains of yeast for new sulfite and yeast plants.
Gidroliz. i lesokhim. prom. 14 no.7:12-13 '61.

(MIRA 14:11)

l. Natschno-issledovatel'skiy institut gidroliznoy i sul'fitno-spirtovoy promyshlennosti.

(Yeast)

PONIZOVSKIY, A.M.; SHARGORODSKIY, S.D.; STAVROV, S.N.; VLADIMIROVA, N.M.

Thenardite in the Marfovka Lake, Crimea. Izv. Krym. otd. Geog. ob-va no.5:275-276 '58. (MIRA 14:9)

(Marfovka Lake--Thenardite)

5 (2) AUTHORS:

SOV/20-126-1-26/62 Ponizovskiy, A. M., Vladimirova, N. M.

TITLE:

The Solubility of the Na, Mg WC1, HCO3 - H2O System (Rastvorimost)

sistemy Na, Mg | C1, $HCO_3 - H_2O)$

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 126, Nr 1, pp 97 - 98

ABSTRACT:

Only few data exist on the topic mentioned in the title (Refs 1,2). The authors investigated the mentioned system at~00 and P_{CO_2} = 4 atm. An autoclave of viniplast which was produced in a

refrigerator of the type "Dnepr" served for this purpose. Magnesium chloride of the type ch. (pure), sodium chloride ch. d. a. (pure, pro analysi), and basic magnesium carbonate of the type ch. were used as initial substances. The data of the solubility of the system are given in table 1 and figures 1 and 2. The equilibrium diagram of the mentioned system contains 4 crystallization fields of the following salts: sodium bicarbonate (more than 50% of the area), magnesium carbonate pentahydrate, sodium chloride and magnesium chloride hexahydrate (Fig 2). Sodium car-

Card 1/2

The Solubility of the Na, Mg | Cl, HCO3 - H2O System SOV/20-126-1-26/62

bonate is in the mentioned system as well as in the ternary system NaCl-NaHCO3-H2O which is an ingredient of the first displaced in the solutions by sodium chloride (Figs 1 and 2). The sodium carbonate field will considerably increase with the increase of P_{CO_2} at the expense of the magnesium carbonate

field. The sodium- and magnesium chloride fields will remain practically unchanged. The results obtained will be, besides the theoretical interest, also a physical-chemical basis for the production of sodium carbonate by means of magnesium carbonate. This method is assumed to be suitable as well for the production of potash. There are 2 figures, 1 table, and 2 So-

ASSOCIATION:

Institut mineral'nykh resursov Akademii nauk USSR, Simferopol' (Institute of Mineral Resources of the Academy of Sciences

UkrSSR, Simferopoli)

PRESENTED:

November 24, 1958, by I. I. Chernyayev, Academician

SUBMITTED: Card 2/2

October 19, 1958

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PONIZOVSKIY, A.M. [Ponyzovs'kyi, A.M.]; SHARGORODSKIY, S.D. [Shargorods'kyi, S.D.]

STAVROV, S.N. [Stavrov, S.M.]; VLADIMIROVA, M.M. [Vladymyrova, N.M.]

Thenardite and mirabilite in Lake Marfovka. Dop. AN URSR no.6:651-653
'58. (MIRA 11:9)

1.Institut mineral'nykh resursov AN USSR. Predstavil akademik AN USSR
Yu.K. Delimarskiy [IU.K. Delimars'kyi]
(Marfovka, Lake (Kerch Peninsula--Thenardite)
(Marfovka, Lake (Kerch Peninsula--Mirabilite)
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PONIZOVSKIY, A.M.; MELESHKO, Ye.P.; VLADIMIROVA, N.M.

Hydrochemistry of salt lakes in the Kerch Feninsula.

Izv.vys.ucheb.zav.;geol.i razv. 3 no.2:125-134 F '60.

(:IIRA 15:5)

1. Institut mineral'nykh resursov AN USSR.

(Kerch Peninsula—Salt deposits—Analysis)

GAMPER, N.M., kand.sel'skokhoz.nauk; VLADIMIRSKAYA, N.S.

Toxicity of chlorophos in the control of locusts. Zashch.rast.ot vred.i bol. 7 no.5:36 My '62. (MIRA 15:11)

1. Vsesoyuznyy institut zashchity rasteniy. (Locusts--Extermination) (Chlorophos)

VLADIMIROVA, N.V., ordinator

Application of prosthesis in congenital hypoplasia of one arm and leg. Protez. i protezestr. no.10:145-148 '64.

(MIRA 18:12)

1. TSentral'nyy nauchno-issledovatel'skiy institut protezirovaniya i protezostroyeniya.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860220005-7"

KAVETSKAYA, A.G.; LAPOVA, A.I., starshiy inzhener-agrometeorolog; SUKNEVA, Ye.V., starshiy inzhener-klimatolog; VLADIMIROVA, N.V., inzh.-agrometeorolog; KURIYEV, M.I., inzh.-agrometeorolog; TSERTSVADZE, Sh.I.; CHIRAKADZE, G.I., dotsent, starshiy nauchnyv sotrudnik; BABAYEV, A.D., otv.red.; USNAKOVA, T.V., red.; VOLKOV, H.V., tekhn.red.

[Concise agroclimatic reference book on the Azerbaijan S.S.R.]

Kratkii agroklimaticheskii spravochnik po Azerbaidzhanskoi SSR.

Leningrad, Gidrometeor.izd-vo, 1959. 67 p. (MIRA 13:2)

1. Azerbaydzhanskaya S.S.R. Upravleniye gidrometeorologicheskoy sluzhby. 2. Zaveduyushchiy otdelom agrometeorologii Tbilisskogo Nauchno-issledovatel skogo gidrometeorologicheskogo instituta (for TSertsavadze). 3. Nachal nik Upravleniya gidrometeorologicheskoy sluzhby Azerbaydzhanskoy SSR (for Babayev).

(Azerbaijan--Crops and climate)

AUTHOR:

Vladimirova, 0.

4-58-6-15/37

TITLE:

Magic Resins (Volshebnyye smoly)

PERIODICAL:

Znaniye - sila, 1958, Nr 6, pp 20-21 (USSR)

的数据用的数据的数据的数据的数据的工程的数据的不可能被数据的表面,可能是对于自己的数据,并不能够,并没有这些特别的。 第一章

ABSTRACT:

For the prevention of boiler scale formation when supplying boilers with "hard water (for the supply of ships with fresh water, and for the purifying of industrial waste water, etc.), ion exchange resins (ionoobmennyye smoly), which are particular kinds of polymers, are used. The ionites are acids or chemical bases by nature, but in contrast to ordinary acids and alkaline

solutions they do not dissolve in water.

There are 4 drawings.

1. Ion exchange resins--Applications 2. Boilers--Scale--Counter

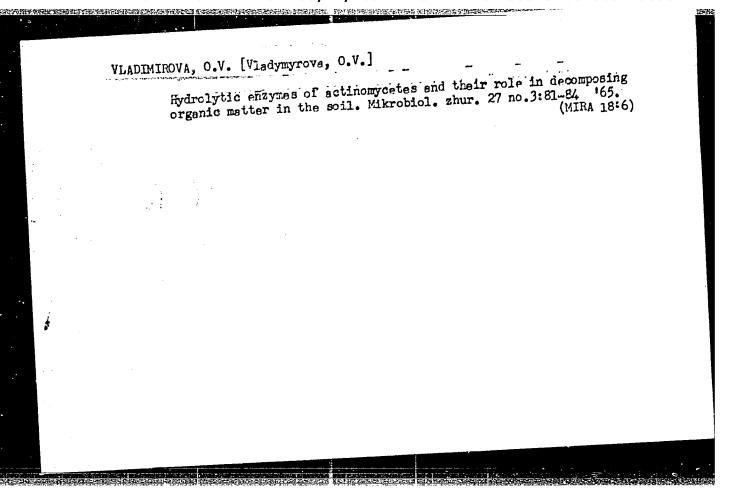
measures

Card 1/1

VALISHONOK. 0.5.; VLADIMIROVA, O.F. [Vladymyrova, O.F.]

Dynamics of electroencephalographic disturbances in experimental disorders of cerebral blood circulation. Fizol. zhur. [Ukr.] 10 no.2:190-195 Mr-Ap '64. (MIPA 18:7)

1. Ukrainskiy nauchno-issledovatel skiy psikhonevrologicheskiy institut, Khar kov.



| Ancologate's method for the diagraphs of theminals for Vetering New 42 no.1009-96 to 105. | 5. (10.84 (3.17) |
|---|---------------------|
| 1. Moskovskiy tekhnologisheshiy isstitut syasney i moloshasy promyshlennosti. 2. Chlondesrespondent Vsesoyusasy absectii naliskokhosynysteennykh mank imaal lanima (for Orlov). | |
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RYBALTOVSKIY, O.V.; VLADIMIROVA, P.A.

Simple method for trichinoscopy of pork. Veterinariia 39 no.9: (MIRA 16:10)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860220005-7"

RYBALTOVSKIY, O. V. and VLADIMIROVA, P. A. (Moscow Technological Institute of the Meat and Dairy Industry).

"Simplest method of pork trichinellascopy"

Veterinariya, vol. 39, no. 9, September 1962, p. 66

WLADIMIRSKAYA, R.A.

KOLGINA, L.P.; OR'YEV, L.G.; VIADIMIRSKAYA, R.A.

Composition and texture of collectors in the Berezovo lower

Geol. nefti 2 no.4:29-35 Ap '58.

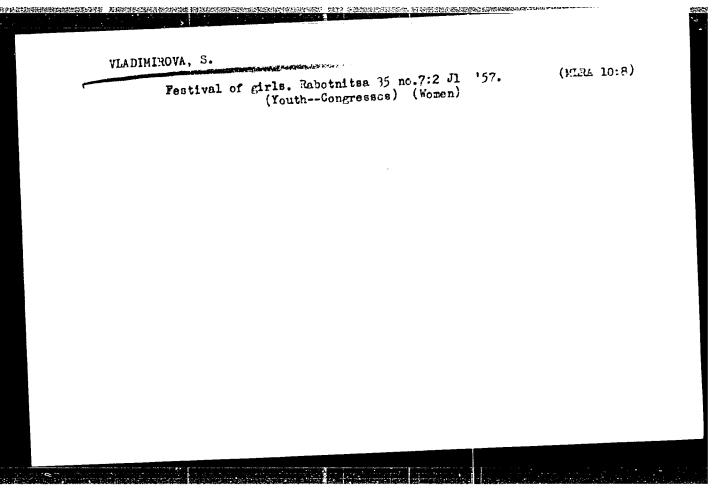
Gretaceous. (West Siberian Plain—Petroleum geology)

(West Siberian Plain—Gas, Natural—Geology)

VIADIMIROVA, R. S.

"Qualitative and Quantitative Composition of Phytoplankton and the Microphytobentos of the Lower Dnieper," this is included in the table of contents of the book The Proppects of the Biological System of the Kakhovskiy Reservoir and the Lower Dnieper, compiled by the Tydrobiological Institute IXXI No. 31, and published by the Publishing House of the Ekrainian "cedemy of Sciences in Kiev, 1953. (page 42)

D-51895



SOURCE CODE: UR/0065/67/000/001/0023/0026 AP7002727 ACC NRI AUTHOR: Sentyurikhina, L. N.; Tropkina, G. N.; Oparina, Ye. M.; Yevtyukhina, R. M.; Vladimirova, S. L. क रीक्स्टर्सन् के देश के कार्या अस्ति है के बार के किए हैं है है जाते.

ORG: VNII NP

TITLE: Pastes and suspensions of molybdenum disulfide in various dispersion media

SOURCE: Khimiya i tekhnologiya topliv i masel, no. 1, 1967, 23-26

TOPIC TAGS: lubricant, solid lubricant, lubricant filler additive, silicone lubricant, molybdenum disulfide, grease

ABSTRACT: Pastes and suspensions of MoS2 in oils or synthetic dispersion media (e.g., silicones) are manufactured in various concentrations: pastes which usually contain over 50% MoS₂ and suspensions; highly concentrated (50—20%); medium concentrated (20—1%) and low concentration suspensions with MoS2 content below 1%. The study reported was mainly devoted to the investigation of the lubricating properties of high and medium concentration suspensions and pastes, as little attention has been given to their study in spite of their wide-spread use. Rheological properties (the so-called strength limit), colloidal stability, antiwear effect, coefficient of friction and the longevity of films were determined. It was found that pastes and suspensions, which can be prepared with ${
m MoS}_2$ and a surfactant in a nonstructured or structured modification (the UDC: 621.893

ACC NR: AP7002727

latter having a three-dimensional solid phase network structure), do not differ significantly in their coefficients of friction and longevity of films. (Structuring is achieved by introducing a surfactant, i.e., a soap, usually lithium stearate on heating, when soaps swell in the ambient oil and produce the three-dimensional network). The high strength limit, especially in structured suspensions, is detrimental for the antiwear effect because of a decrease in the mobility of the lubricant. The colloidal stability determined by centrifuging increases with the con-_____ centration of MoS2 and the viscosity of the system. The structural activity of soaps is stronger in low concentration suspensions than in highly concentrated ones. The addition of MoS2 increases the antiwear effect of lubricating oils, e.g., the introduction of this solid lubricant into TsIATIM-221 grease increases the longevity of its films by 10-12 times under a 8600 kg/cm2 load. Structured systems with a low content of MoS2, such as VNII NP-242, VNII NP-220 and nonstructured high MoS2-content pastes VNII NP-225 and VNII NP-232 are widely used at the present time. Lubricants with low MoS2 content are usually applied in rolling friction foints; lubricants with high MoS2 content are used in gliding friction and in threaded joints. Orig. ert. has: 3 tables and

4 figures. SUBM DATE: none/ ORIG REF: 009/ OTH REF: 003/ ATD PRESS: 5111

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ALEKSANDROV, A.D.; VLADIMIROVA, S.M.

Deformation of a polyhedron with fixed faces. Vest. LGU 17 no.13:138-141 '62. (MIRA 15:7)

(Surfaces, Deformation of)

VLADIMIROVA, S.N.

Methods for chemical preparation of paleontological objects. Biul.

MOIP. Otd.geol. 39 no.5:150-151 S-0 '64. (MIRA 18:2)

MUSAKIN, A.P.: VLADIMIROVA, T.M.: IN'KOVA, Ye.N.: OSIPOV, V.A.

Some problems in the synthesis of tagged compounds. Radiokhimila 1 no.6:734-737 '59. (MIRA 13:4)

(Carbon--Isotopes) (Potassium cyanide)

(Citric acid)

BAIABAYEVA, M.D.; VIABBINEROYE, T.V.; GARTERAYER, L.S.; LEFTLAND, E.G.; ECCOVIE, 7....

Infrared spectroscopic study of the ion exchange of graft copolymers of cellulose and polymerylhydroxamic acid with Fe⁺³ and Cu⁺² ions. Vysokom. soed. 7 no.2:205-210 F 165.

(NEW 18:3)

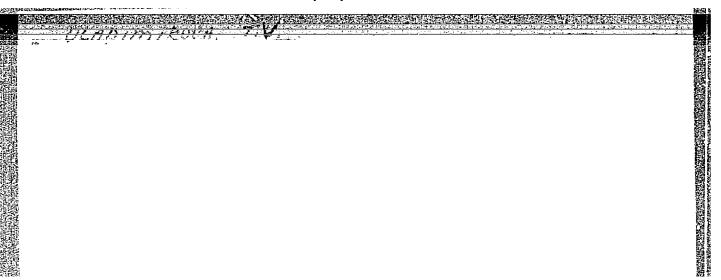
1. Mogkovskiy tekstil'nyy institut.

VLADIMIROVA, 3.N.

Method for the chemical preparation of fauna using acetic acid. Izv. AN SSSR. Ser. geol. 30 no.8:116-118 Ag '65.

(MIRA 18:9)

1. Geologicheskiy institut AN SSSR, Moskva.



sov/63-4-2-35/39

5(3)

Rogovin, Z.A., Vladimirova, T.V. AUTHORS:

TITLE:

The Synthesis of the Mixed Nitric Nitrophenyl Ester of Cellulose

PERIODICAL:

Khimicheskaya nauka i promyshlennost', 1959, Vol 4, Nr 2,

pp 284-285 (USSR)

ABSTRACT:

New derivatives of cellulose may be produced by utilizing the phenyl groups contained in the macromolecule of cellulose. The nitration of the cellulose phenyl ester is carried out by a mixture of nitric and phosphoric acid and phosphoric anhydride. The formed mixed ester dissolves in the nitration mixture. All free hydroxyl groups may be esterified by changing the esterification conditions. At relatively

esterified by changing the esterification conditions. An into the phenyl APPROVED FOR RELEASE; e.03/14/2001 resi CLA trops of 1860220005-7"

normal and raised temperatures and to 2 n-solution of NaOH a

temperature.

Card 1/2

There is 1 table and 1 Soviet reference.

SOV/63-4-2-35/39

The Synthesis of the Mixed Nitric Nitrophenyl Ester of Cellulose

ASSOCIATION: Moskovskiy tekstil'nyy institut (Moscow Textile Institute)

SUBMITTED: October 6, 1958

Card 2/2