

LEBEDEVA, L.S.

Rare form of strangulation of the undescended testis in the
inguinal canal in cryptorchism. Urologiia 27 no.4:63-64 JI-
Ag '62. (MIRA 15:11)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - prof. B.D.
Dobychin) Irkutskogo meditsinskogo instituta.
(TESTICLE--ABNORMITIES AND DEFORMITIES)

LEBEDEVA, L.S.; FILIPPOVA, L.S., red.; GROMOV, Yu.V., tekhn. red.

[Use of corrosion inhibitors in railroad transportation]
Primenenie ingibitorov korrozii na zheleznodorozhnoi tran-
sporte. Moskva, Transzheldorizdat, 1962. 23 p.
(MIRA 16:4)

(Railroads—Equipment and supplies)
(Corrosion and anticorrosives)

ASKINAZI, D.L.; GINZBURG, K.Ye.; LEBEDEVA, L.S.

Mineral forms of phosphorus in soils and methods for their determination. Pochvovedenie no.5:6-20 My '63. (MIRA 16:5)

1. Pochvennyy institut imeni V.V.Dokuchayeva.
(Soils--Phosphorus content)

ASKINAZI, D.L.; GHINZBURG, K.E.; LEEDEVA, L.S.

Mineral forms of phosphorus in the soil and methods of de-
termination. Analele agric zooteh 17 no.6:5-20 H-D:63

L 33142-66 EWT(m)/EWP(e)/EWP(t)/ETI/EWP(k) IJP(c) JD/JH

ACC NR: AP6015352

(N)

SOURCE CODE: UR/0226/66/000/005/0067/0073

AUTHOR: Gladneva, L. I. (Moscow); Yefremenkova, V. I. (Moscow); Lebedeva, L. S. (Moscow); Spivak, G. V. (Moscow); Shelamov, V. A. (Moscow); Yurasova, V. Ye. (Moscow)

ORG: none

61
B

TITLE: Ascertaining the structure of sintered materials of the Me-MeO system by ion bombardment. Report presented at the Fifth All-Union Conference of Electronic Microscopy in Sumy, July 1965

SOURCE: Poroshkovaya metallurgiya, no. 5, 1966, 67-73

TOPIC TAGS: ~~metal~~, metal oxide system, sintered aluminum powder, powder metallurgy, ~~metal powder~~, electron microscopy, ion bombardment

ABSTRACT: A study of the structure of sintered aluminum powder material by ion bombardment is of practical significance for the investigation of materials obtained by means of powder metallurgy. The method is suggested for use for manufacturing samples prior to electron-microscopic investigations. Analysis of microphotographs shows that the base of SAP material is a cellular grid consisting of oxide particles bounded by aluminum pseudograins. Orig. art. has: 8 figures. [Based on author's abstract.]

[AM]

SUB CODE: 11,20/ SUBM DATE: 11 Aug 65/ ORIG REF: 002/ OTH REF: 001

LS
Card 1/1

LEBEDEVA, L.V.

✓ Stabilization of gypsum solution with dextrans. M. I. Chudakov, K. P. Vakhrusheva, and L. V. Lebedeva (Hydrolysis Plant, Kansk). *Gidroliz. t-Estokhim. Prom.* 8, No. 4, 20-1(1955).—Factors affecting the formation of supersatd. solns. of CaSO_4 in neutralization of H_2SO_4 hydrolyzates (I) are: temp., the rate of growth of crystal nuclei, the amt. of pptd. CaSO_4 , the intensity of agitation, and the presence of colloidal org. compds. At 75-80° $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ is formed predominantly; higher temp. leads to the formation of $\text{CaSO}_4 \cdot \frac{1}{2}\text{H}_2\text{O}$ which, on cooling to 28-30°, gives supersatd. soln. The beneficial affect on the prevention of CaSO_4 deposits on fermentation equipment, experienced in filtering partially neutralized solns. through sawdust, has motivated the study of the influence of cellulose sugars (II) on CaSO_4 solns. Boiling the soln. (pH 4.1-4.2), taken from a sedimentation tank, with sawdust showed that these solns. contained more sol. CaSO_4 than untreated. In another expt., sawdust was treated with 72% H_2SO_4 , the amt. of fermentable sugars detd., and the substrate added to I. The amt. of sol. CaSO_4 in I was almost twice as high as in the soln. without II. Neutralizing I with a mixt. of CaO and MgO led to a higher content of sulfate in the soln. as a result of the higher soly. of MgSO_4 . T. Jurecic

MT

(2)

LEBEDEVA, L.V., inzh.; LEPETOV, V.A., kand. tekhn. nauk

Reinforced rubber diaphragm with end tips and a rigid center.
Vest.mash. 42 no.4:54-55 Ap '62. (MIRA 15:4)
(Diaphragms (Mechanical devices))

LEPETOV, V.A.; NOVIKOV, V.I.; LEBEDEVA, L.V.

Investigating the deflection of a round rubber membrane with a stiff center. Kauch.i rez. 21 no.8:32-35 Ag '62. (MIRA 16:5)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni Lomonosova.

(Rubber--Testing)

LEBEDEVA, L.V., kalibrovshchik

New developments in rolling mill roll fittings at the Chelyabinsk
Metallurgical Plant. Metallurg 8 no.4:31-33 Ap '63. (MIRA 16:3)
(Chelyabinsk--Rolling mills)

L 35518-65 BFT(m)/EPF(c)/EPR/EMP(j)/T Pc-l/Pr-l/Ps-l WW/RM

ACCESSION NR: AP508196

S/0286/65/000/005/0010/0070

AUTHORS: Barkova, L. V.; Stebeneva, N. F.; Kolosov, V. G.; Lebedeva, L. V.; Shteynpress, A. D.

35
B

TITLE: A method for producing pressed materials from polytetrafluoroethylene.
Class 39, No. 16887

SOURCE: Byulleten' izobretenij i tovarnykh znakov, no. 5, 1965, 70

TOPIC TAGS: polytetrafluoroethylene, plastic, thermosetting material

ABSTRACT: This Author Certificate presents a method for obtaining pressed material from polytetrafluoroethylene. In order to give the material fluidity and the capacity for reworking into wares by the methods of plastic retreatment, the polytetrafluoroethylene with or without fillers is mixed with highly fluid thermosetting polymers (furan, resorcin furfural, and others) or monomers (such as furfuryl alcohol, furfural monomer).

ASSOCIATION: none

SUBMITTED: 06Jun62

ENCL: 00

SUB CODE: NI, OC

REQ REF SOV: 000

OTHER: 000

Copied 1/1

UKHANOVA, Nina Vasil'yevna; LEBEDEVA, Lidiya Vladimirovna; LAZAREV-
STANISHCHEV, Boris Vladimirovich; RAVKIND, B.M., red.;
LEBEDEVA, G.T., tekhn. red.; BUGROVA, T.I., tekhn. red.

[Medical aid for the drowning victim] meditsinskaia po-
moshch' utonuvshemu. Leningrad, Medgiz, 1962. 62 p.
(MIRA 15:10)

(DROWNING, RESTORATION FROM)

LEBEDEVA L.V.
CHESNOKOVA, G.D.; IVANOVA, A.T.; ZOLOTOKRYLINA, Ye.S.; RYABOVA, N.M.; LEBEDE-
VA, L.V.

Resuscitation in surgery. Sovet. med. 17 no. 1:18-20 Jan 1953. (CLML 24:1)

1. Of Moscow Municipal Scientific-Research Institute of First Aid imeni Sklifosovskiy (Director -- B. A. Petrov) and of the Laboratory of Experimental Physiology for Revival of the Organism (Head -- Prof. V. A. Negovskiy) of the Academy of Medical Sciences, USSR.

LEBEDEVA, L. V.

VASILEVICH, N.O.; FIRSOVA, V.A.; LEBEDEVA, L.V.

Effectiveness of isonicotinic acid hydrazide therapy in tuberculous meningitis; experimental and clinical data [with summary in French].
Probl.tub. 35 no.2:19-27 '57. (MLRA 10:6)

1. Iz Instituta tuberkuleza (dir. Z.A.Lebedeva) Akademii meditsinskikh nauk SSSR.

(ISONIAZID, ther. use

tuberc., meningeal, with PAS & streptomycin (Rus))

(STREPTOMYCIN, ther. use

tuberc., meningeal, with isoniazid & PAS (Rus))

(PARA-AMINOSALICYLIC ACID, ther. use

tuberc., meningeal, with isoniazid & streptomycin (Rus))

LEBEDEVA, L.V.
VASILEVICH, N.O. [deceased]; YELUFIMOV, V.P.; FIRSOVA, V.A.; LEBEDEVA, L.V.

Treatment of tuberculous meningitis [with summary in French]. Probl.
tub. 35 no.7:78-86 '57. (MIRA 11:2)
(TUBERCULOSIS, MENINGEAL, ther.)

LEBEDEVA, L. V. Cand Med Sci -- (diss) "The complex treatment of children affected with tuberculous meningitis, mainly with metazide and phthivazide without subarachnoid administration of preparations." Mos, 1959. 16 pp (Acad Med Sci USSR), 200 copies (KL, 44-59, 129)

FRID, I.A.: LEBEDEVA, L.V.

Artificial hypotension in the surgery of malignant neoplasms.
Vop. onk. 6 no.3:41-48 Mr '60. (MIRA 14:2)
(HYPOTENSION) (CANCER)

GINDIN, Ye.M.; POKROVSKAYA, O.L.; LEBEDEVA, L.V.

Burn shock in dogs and the effect of neuroplegic substances on
its course. Khirurgiia 36 no. 5:87-96 My '60. (MIRA 14:1)
,BURNS AND SCALDS) (HIBERNATION, ARTIFICIAL)

LEBEDEVA, L.V., kand. med. nauk; ROGOVAYA, V.F.; KHOLINA, V.M.; VLASOVA,
N.A.; TSIV'YAN, L.S.

Significance of chemoprophylaxis and its methodology in the
treatment of children with the first signs of positive tuberculin
test. Prob. tub. no.1:3-8 '65. (MIRA 18:12)

1. Dispansernoye otdeleniye (zav.- kand. med. nauk Ye.A. Ginzburg)
Moskovskogo instituta tuberkuleza (dir.- kand. med. nauk T.P.
Mochalova, zamestitel' direktora po nauchnoy chasti - prof. D.D.
Aseyev) Ministerstva zdravookhraneniya RSFSR i 16-y proti-
votuberkuleznyy dispanser Moskvy (glavnyy vrach P.A. Zal'munin).

I 30991-66 EWP(e)/EWT(m)/T/EWP(t)/EWP(k)/EWP(z)/EWP(b) IJP(c) JD
ACC NR: AP6002388 SOURCE CODE: UR/0286/65/000/024/0045/0045

INVENTOR: Grekhov, I. V.; Liniyuchuk, I. A.; Lebedeva, L. V.; Tuchkevich, V. M.;
Chelnokov, V. Ye.; Shuman, V. B.; Yakivchik, N. I.

ORG: none

TITLE: Method of creating a source of diffusion of aluminum in silicon. Class 21,
No. 176989 [announced by the Physical Engineering Institute im. A.F. Ioffe, AN SSSR
(Fiziko-tekhnichesky institut AN SSSR)]

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 24, 1965, 45

TOPIC TAGS: aluminum, diffusion, aluminum diffusion, junction, pnp junction, npnp
junction, pnn junction, junction forming

ABSTRACT: This Author Certificate introduces a method of forming an aluminum source
for the diffusion of aluminum in silicon in an oxidizing atmosphere such as air. To
simplify the technique and accelerate the diffusion, aluminum in the form of $Al(NO_3)_3$
solution or of a mixture of aluminum-oxide powder with powder oxides of metals such
as tungsten, titanium, or tantalum is deposited by any well-known method on the sur-
face of silicon plates. In a variant of the above method, in order to obtain struc-
tures of the types p-n-p or n-p-n-p-n, the surface of silicon plate is first coated with
a boron or phosphorus compound and subjected to heat treatment. In a further variant
of the first and second methods, in order to form semiconducting structures of such

Card 1/2

UDC: 539.121.72.002.2: 621.382

I 30991-66

ACC NR: AP6002888

types as p-n-n+, one of the sides of the silicon plate is coated with an alcoholic solution of aluminum, boron, and nickel compounds, and the other side is coated with a solution of orthophosphoric acid in alcohol, followed by a heat treatment. [ND]

SUB CODE: 2009 SUBM DATE: 05Mar64/ ATD PRESS: 4199

Card 2/2 LC

L 9688-66 EWI (m) / EWP (j) / I / EP (h) / ETC (m) / EWA (1) - WW/RM SOURCE CODE: UR/0286/65/000/022/0057/0057

ACC NR: AP6000975

INVENTOR: ^{44,55} Barkova, M. V.; ^{44,55} Lebedeva, L. V.; ^{44,55} Lokantseva, I. M.; ^{44,55} Zaviralina, T. P.; Chentemirova, L. M. ^{44,55}

ORG: none

TITLE: Preparation of ¹⁵ heat-resistant epoxy compounds. Class 39, No. 176393 ¹⁵

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 22, 1965, 57

TOPIC TAGS: epoxy plastic, heat resistance, irradiation resistance, *heat resistant material*

ABSTRACT: An Author Certificate has been issued for a preparative method for heat- and radiation-resistant ¹⁵ compounds based on epoxy resin and a curing agent. The method provides for the use 9,10-dihydroanthracene, or the 9,10-endo- α,β -succinic anhydride [sic], an adduct of maleic anhydride and anthracene. [BO]

SUB CODE: 11, 07 / SUBM DATE: 19Jul63/ ATD PRESS: 4157

Card 1/1

UDC: 678.643.043

LEBEDEVA, L. YA.

LEBEDEVA, L. YA.

"Biological Peculiarities of the Amur Grape in Wild and in Cultivated State." Moscow Order of Lenin Academy of Agriculture ineni K. A. Timiryazev, Moscow, 1955. (Dissertation for the Degree of Candidate in Biological Sciences)

SO: M-955, 16 Feb 56

LEBEDEVA, L. Ya., kand. biol. nauk.

Biological peculiarities of wild and cultivated Amur grapes in the
Maritime territory [with summary in French]. Izv. TSKhA no.1(20):
51-72 '58. (MIRA 11:4)

(Maritime Territory--Grapes)

LEBEDEVA, Lyubov' Yakovlevna, kand. biol. nauk; LEBEDEV, Aleksandr Ivanovich, kand. sel'khoz. nauk; KAZ'MIN, G., kand. sel'khoz. nauk, otv. red.; SHAYKOVA, N., tekhn. red.

[Grapes in the Maritime Territory] Vinograd v Primorskom krae. Vladivostok, Primorskoe knizhnoe izd-vo, 1962. 157 p.
(MIRA 16:3)

(Maritime Territory—Viticulture)

LEBEDEVA, M

LEBEDEVA, M.; SHEVAREVA, T.

What birdbands tell us. IUn. nat. no.4:28-29 Ap '57. (MIRA 10:6)

1. Nauchnyy sotrudnik Byuro kol'tsevaniya.
(Birdbanding)

BOBEV, Dragan, dots.; IVANOVA, Ivanka, starshiy nauchn. sotr.;
LEBEDEVA, M. [translator]; VYLCHEV, Khr., tekhn. red.

[Diseases of the newborn] Bolezni novorozhdenogo. Sofia,
Meditsina i fizkul'tura, 1963. 237 p. (MIRA 16:8)

1. Institut usovershenstvovaniya vrachey (for Bobev).
2. Nauchno-issledovatel'skiy institut akusherstva i gineko-
logii (for Ivanova).

(INFANTS (NEWBORN))--DISEASES)

LEBEDEVA, M.A.

Comparative technological and economic evaluation of various rubbers in 260-20 experimental tire casings. Kauch.i rez. 19 no.9:46-48 S'60. (MIRA 13:10)

1. Nauchno-issledovatel'skiy institut shinnoy promyshlennosti. (Tires, Rubber--Testing)

BORODIN, A.I.; LEBEDEVA, M.A.

Group braking of the warping beams. Tekst.prom. 21 no.2:45-47
Ja '61. (MIRA 14:3)

(Warping machines)

STRONGIN, M.A.; LEBEDEVA, M.A.

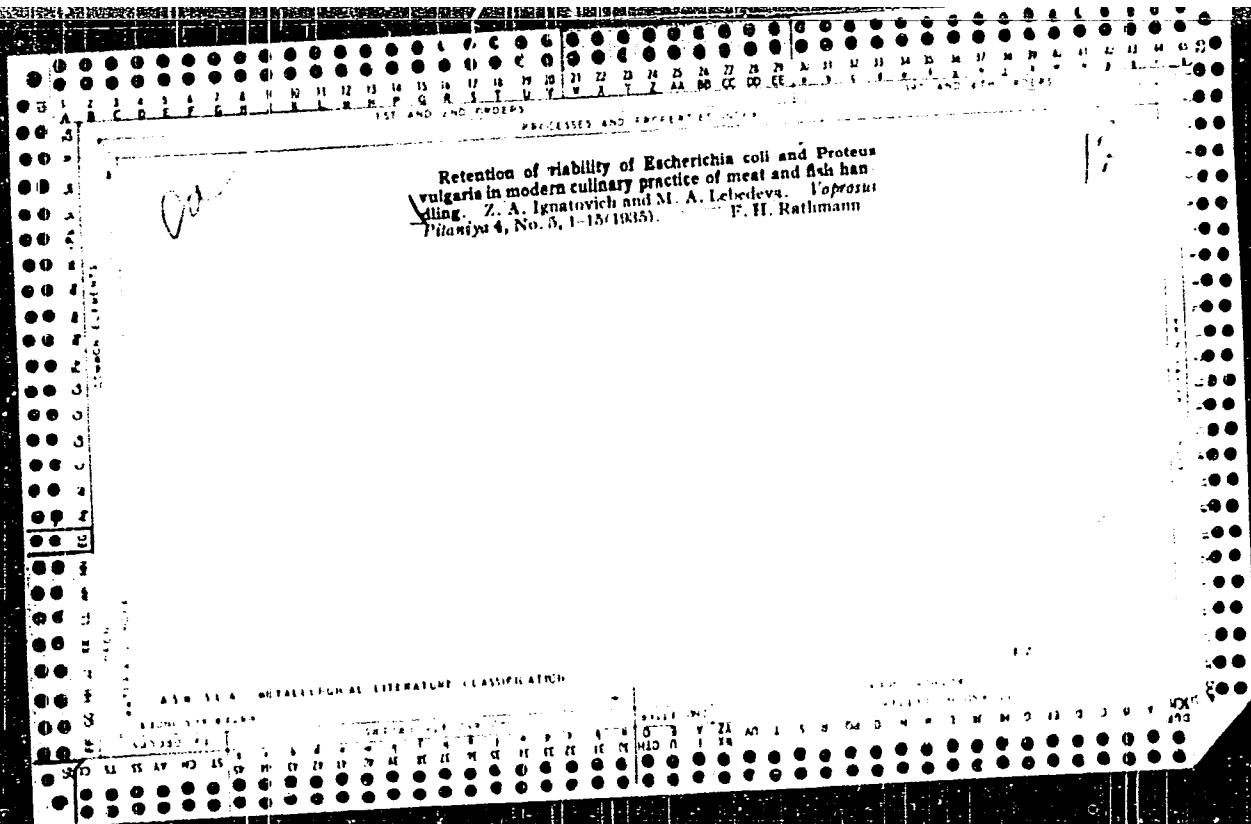
Some results of the work of the tire industry from 1959 to 1961.
Kauch.i rez. 22 no.1:38-41 Ja '63. (MIRA 16:6)

1. Nauchno-issledovatel'skiy institut shinnoy promyshlennosti.
(Tires, Rubber)

BARTEL'S, A.V.; LEBEDEVA, M.A.; GRASHCHENKOVA, Z.F.; FOMCHENKO, I.V.

Use of staphylococcal anatoxin in the treatment of mastitis.
Akush. i gin. 40 no.1:17-21 Ja-F '64. (MIRA 17:8)

1. Nauchno-issledovatel'skiy institut akusherstva i ginekologii (dir. - prof. O.V. Makeyeva) Ministerstva zdravookhraneniya SSSR, Moskva.



7

ca

PROCESSES AND PROPERTIES INDEX

The analysis of mixtures of maltose or lactose with monosaccharides. B. O. Lyubin and M. A. Lebedeva. *Voprosy Pitaniya U. S. S. R.* 7, No. 6, 113-21 (in French) (1968).—A mixt. of glucose (I), sucrose (II), maltose (III), dextrin (IV) and fructose (V) can be analyzed by the use of 4 procedures. Barfoed's method (*Z. anal. Chem.* 12, 27(1873)) gives I. Bertrand's method gives I + 0.60 III. Hertzfeld's method (cf. *C. A.* 21, 1859) gives I + 0.60 III + I (from II after inversion) + V. Hydrolysis for 1 hr. with 3.5% HCl gives I + I (from II after inversion) + I (from III after hydrolysis) + 0.760 I (from IV after hydrolysis). The concn. of each sugar can then be readily calcd. In the detn. of I by Barfoed's method a buffer soln. of Cu(OAc)₂ + NaOAc with a pH of 5.4 is used. Under the above conditions lactose behaves similarly to III and the method can be used for its detn. in similar mixts. S. A. Karjala

ASB. S.L.A. METALLURGICAL LITERATURE CLASSIFICATION

172

PROCESSES AND PROPERTIES INDEX

CIA

Determination of milk in milk soups. H. O. Lyubin and M. A. Lebedeva. *Lab. Prakt.* (U. S. S. R.) 16, No. 12, 21 (1941).—The method is based on the presence of lactose in milk soup. Lactose is detd. iodometrically by the Willstätter and Schadel method (cf. C. A. 13, 406). Expts. indicated that practically no hydrolysis of sucrose or starch substances (rice, macaroni, vermicelli) takes place. Therefore, the results of aldehyde sugar detns. are due entirely to the presence of lactose in the soup. Sep. the liquid part of a known vol. of milk soup by filtering through gauze. Dil. with H₂O 50 ml. of the liquid part in a 250-ml. flask to approx. 150 ml. and ppt. the proteins and fat with 5 ml. of 15% K₂Fe(CN)₆ and 5 ml. of 30% Zn(AcO)₂. Neutralize the mixt. with strong alkali in the presence of phenolphthalein and bring the liquid in the flask to the mark. Shake vigorously, let ppt. settle and filter through an ordinary filter. Add 25 ml. of 0.1 N I soln. to 40 ml. of the filtrate in a flask with a ground stopper, add dropwise 37.5 ml. of 0.1 N NaOH, stopper the flask, let stand for 15 min., acidify the soln. with 10 ml. of 2 N HCl or H₂SO₄ and titrate the I liberated with 0.1 N Na₂S₂O₃ soln. to a light-yellow color, add 2-3 ml. of 1% starch soln. and 100 ml. of water and titrate with S₂O₃²⁻ soln. One ml. of 0.1 N I soln. used for the oxidation corresponds to 18.01 mg. of lactose. The content of lactose in milk on the basis of exptl. data (4.8 g./100 ml.). The content of milk in g. is detd. by multiplying the no. of ml. by the d. of milk (av. 1.033).
W. R. Henn

ASB-SILA METALLURGICAL LITERATURE CLASSIFICATION

FROM SOURCE

221127 G61 ONV 151

12

CA

Cottonseed cake as a supplementary source of food.
A. A. Adamova and M. A. Lebedeva. *Gigiena i Sanit.* 12, No. 7, 33-5 (1917).--Cottonseed cake contains protein 35.07-41.5, fat 7.50-0.11, nonnitrogenous extractable material 22.2, ash 6.5-0.7, cellulose 0.44-0.57, free gossypol 0.11-0.20%. Heating for 30-60 min. at 100° of a cake contg. at least 25% moisture converts practically all free gossypol into the physiologically bound or inert form. Autoclaving at temp. 120° for one hour irrespective of moisture content detoxicates gossypol completely. Sixty g. daily of cottonseed cake in human diets for 4.5 months had no harmful effect. Anastasia J. Romanoff.

INTERNATIONAL LITERATURE CLASSIFICATION

BUKHMANN, N.D.; LEBEDEVA, M.A.

Food value of rye bread. Voprosy Pitaniya 12, No.1, 65-9 '53.
(CA 47 no.14:7129 '53) (MLPA 6:3)

1. Leningrad Sanit.-Hyg. Inst.

USSR/Antibiosis and Symbiosis - Antibiotics.

F

Abs Jour : Ref Zhur Biol., No 1, 1959, 758

Author : Palladina, C.K., Mazyukevich, V.A., Danetskaya, E.V.,
Lebedeva, M.A.

Inst : All-Union Scientific Research Institute of Fats

Title : Biological Stimulants of Sour Milk Fermentation

Orig Pub : Tr. Vsesoyuzn. n.-i. in-t zhirov, 1954, v'ip. 15, 150-
177

Abstract : Twenty five literature references.

Card 1/1

- 18 -

LEBEJEVA, M.A.

DUDAREVA, V.M.; LEBEJEVA, M.A.; SAVEL'YEVA, Z.D.

Effect of Trichomonas on the course of puerperium. Akush. i gin. no.
6:48-51 N-D '54. (MLRA 8:2)

1. Iz instituta akusherstva i ginekol. (dir. L.G.Stepanov, nauchnyy
rukovod.-prof. P.A.Beloshapko) Ministerstva zdravookhraneniya SSSR.
(PUERPERIUM, complications
trichomonas vaginalis, eff.)
(TRICHOMONAS
vaginalis in puerperium)

LEBEDEVA, M. A.

"Phagocytic Capacity of Leucocytes of the Blood in Children in the Newborn Period."
First Moscow Order of Lenin Medical Inst, Moscow, 1955
(Dissertation for the Degree of Candidate of Biological Sciences)

SO: Knizhnaya Letopis', No. 32, 6 Aug 55

LEBEDEVA, M.A.

YUR'YEVSKIY, S.G.; DUDAREVA, M.V.; ZHARDITSKAYA, Ye.V.; LEBEDEVA, M.A.

Trichomonal invasion of the upper female genital organs during
puerperium. Akush. i gin. 32 no. 5:30-34 S-O '56. (MIRA 10:11)

1. Iz Instituta akusherstva i ginekologii (dir. L.G. Stepanov)
Ministerstva zdravookhraneniya SSSR.

(PUERPERIUM, compl.)

trichomoniasis of upper genitalia)

(TRICHOMONIASIS

genitalia, female, in puerperium)

(GENITALIA, FEMALE, dis.

trichomoniasis in puerperium)

LEBEDEVA, H.A.; ZEMDETSKAYA, Ye.V.

Comparing methods for the laboratory diagnosis of Trichomonas. Lab.
delo 3 no.4:40-41 JI-Ag '57. (MIRA 10:8)

1. Iz Nauchno-issledovatel'skogo instituta akusherstva i ginekologii
Ministerstva zdravookhraneniya RSFSR, Moskva
(TRICHOMONAS)

LEBEDEVA, Mariya Nikolayevna; GRINBAUM, F.T., red.; GABERLAND, M.I.,
tskh.red.

[Medical microbiology] Meditsinskaya mikrobiologiya. Moskva,
Gos.izd-vo med.lit-ry Medgiz, 1960. 369 p.

(MIRA 13:11)

(BACTERIOLOGY, MEDICAL)

LEBEDEVA, M. N.

To be submitted for the International Symposium on Marine Microbiology, Chicago Ill., 20-24 Apr. 1962.

1. Included in the program is a list of titles and authors of papers scheduled for presentation at subject symposia are the following:

USSR

- MIRSA, Anatoliy Ia., Institute of Microbiology, Academy of Sciences USSR - "Immunity tests of marine microbiology" (Section V)
- MURAVYOV, Sergey Ia., Institute of Microbiology, Academy of Sciences USSR - "The role of microorganisms in the genesis and weathering of sulphur deposits" (Section II)
- NEKRASOVA, N. N., KRYZHEVSKAYA, S. Ia., and GORODKOV, A. V., Institute of Microbiology, Academy of Sciences USSR - "State of bacteriophage bacteria in some areas of the Mediterranean basin" (Section V) (to be presented by N. N. Nekrasova)
- LAGODINA, L. Ia., Institute of Microbiology, Academy of Sciences USSR - "The role of the Black Sea in culture" (Section IV)
- FRANZBLIUM, L. Ia., "Serpentovskiy Biological Station - Distribution and ecology of microorganisms in the Black Sea" (Section IV)
- ZELINSKIY, A. I., "Central Research Institute, All-Union Institute of Marine Fishing and Oceanography, Moscow - Quantitative value of bacteria in the nutrition of marine invertebrates" (Section VI)
- ZHELEZNIKOVA, N. Ia., and POKROVSKIY, M. V., "Central Research Institute of Marine Biology, Academy of Sciences USSR - "The role of sediment layer of a shallow sea in the transformation of organic substances" (Section VI) (to be presented by A. I. Zhelinskiy)

GUZANOVA, M.A., meditsinskaya sestra; KUZNETSOV, S.M.; SIGAYEVA, A.N.
SAFIULLINA, A.K.; BLATOVA, N.A., starshaya meditsinskaya sestra;
LEBEDEVA, M.A.; FILIPPOV, V.V.; SOKOLOVA, V.I.; PLYUSHINA, P.K.

Nurses' councils. Med.sestra no.6:59-64 Je '62. (MIRA 15:8)

1. Predsedatel' Soveta meditsinskikh sester pri Tyumenskoy oblastnoy bol'nitse (for Guzanova). 2. Chlen Krayevogo komiteta profsoyuza meditsinskikh rabotnikov, Krasnodar (for Kuznetzov). 3. Predsedatel' Soveta meditsinskikh sester Leninogorskoy gorodskoy bol'nitsy Tatarskoy ASSR (for Sigayeva). 4. Zamestitel' glavnogo vracha po lechebnoy chasti Leninogorskoy gorodskoy bol'nitsy, Tatarskoy ASSR (for Safiullina). 5. Glavnyy vrach bol'nitsy No.6.g. Kamenska-Ural'skogo Sverdlovskoy oblasti (for Lebedeva).
(NURSES AND NURSING)

L-3984-65

EWG(j)/BWT(m)

ACCESSION NR: AP5012891

UK/0244/65/021/003/0017/0022
612.015.642-06:612.015.482+
612.015.482:612.015.642

AUTHOR: Daretskaya, Ye. V.; Lebedeva, N. A.

TITLE: Effect of ionizing radiation on vitamin C metabolism

SOURCE: Voprosy pitaniya, v. 24, no. 3, 1965, 17-22

TOPIC TAGS: ionizing radiation, ascorbic acid

ABSTRACT: White rats and guinea pigs were exposed to relatively small doses of ionizing radiation to determine its effect on vitamin C metabolism and to ascertain whether such change, if any, could be corrected by dietary means. A single exposure of rats, which synthesize ascorbic acid, to 100 r of gamma rays and prolonged (427 days) external irradiation with Co 60 (0.05 r/24 hours) markedly increased the amount of vitamin excreted in the urine, slightly reduced its content in the blood, and slightly increased it in the adrenals. In contrast, in guinea pigs, which do not synthesize ascorbic acid, the same doses significantly decreased the amount of the vitamin excreted in the urine. The addition of 150 µg of folic

Card 1/2

19
18
B

L-33984-65

ACCESSION NR: AP5012891

acid to the diet of the animals subjected to chronic irradiation helped to intensify the biosynthesis of ascorbic acid which may be a defense reaction of the body. Orig. art. has 5 tables.

ASSOCIATION: Laboratoriya pitaniya, Instituta radiatsionnoy gigiyeny (Nutrition Laboratory, Institute of Radiation Hygiene)

SUBMITTED: 28 Dec 63

ENCL: 00

SUB CODE: LS

NO REF SOV: 001

OTHER: 000

Card 2/2

S/138/63/000/001/004/008
A051/A126

AUTHORS: Strongin, M. A., Lebedeva, M. A.

TITLE: Results of the activity in the tire industry

PERIODICAL: Kauchuk i rezina, no. 1. 1963, 38 - 41

TEXT: The Soviet Seven-Year Plan for 1959 - 65 calls for a stepped-up program of the tire industry: creating a stable raw material base, developing the pace of tire production, improving the quality of the finished product. Special emphasis is placed on the production of tires for agricultural machines, automobiles, motorcycles and motor-rollers. All the tire plants, excepting the new ones at Krasnoyarsk, Baku and Dnepropetrovsk, surpassed the production plan for the first three years. Over 100 million rubles were spent in the construction and renovation of tire plants within the 1959 - 61 period. More plants are foreseen for the near future. Natural rubber (NR) is primarily used as the raw material, since 72% of all the raw material, going for truck, bus and tractor tires, is NR. The tire industry uses oil-filled butadiene-styrene rubber of regulated polymerization on a colophony emulsifier to a greater extent, thus reducing the use of

Card 1/2

Results of the activity in the tire industry

S/138/63/000/001/004/008
A051/A126

sodium-butadiene rubber. Stereo-regulated СКН (SKI) and СКД (SKD) rubbers will appear on the market by 1965 and sodium-butadiene rubber will be discontinued.

ХАФ (KhAF) finely-dispersed carbon black from liquid raw material has gained popularity as a base. New tires have been introduced, such as the MA3 (MAZ), KPA3 320 - 508 model ИЯВ-12 (KRAZ 320 - 508 model ИЯВ-12), for the ЗИЛ-164-260-20 model И-202 (ЗИЛ-164-260-20 model И-202); ГАЗ-51-200-20 model И-238 А (ГАЗ-51-200-20 model И-238А); "Volga", "Moskvich" automobiles. The new tire models have a service life longer by 40 - 50% as compared to 1958 models. The use of metal cord in the tread and breaker has been introduced for truck tires. The Yaroslavl' Tire Plant produces tires for 2.5 ton vehicles, with a radial distribution of the cord threads and with removable tread rings (PC - (RS) type). Over 40 thousand of these tires have been manufactured. Type P (R) tires for trucks and the use of metal cord are also planned. Equipment has been improved. Costs have been reduced. The mass production of the RS and R tires is considered the predominant task of the immediate future. There are 4 tables.

ASSOCIATION: Nauchno-issledovatel'skiy institut shinnoy promyshlennosti
(Scientific Research Institute of the Tire Industry)

Card 2/2

Sikombu, M. A. J. 1971

Results of the investigation of the ...
Kauch.1 res. 43 na. 1971. 1971.

(Mika 18 4)

1. Nauchno-issled. institut Khimiy prirodoisobrazovaniya,

BORODIN, A.I.; LEBEDEVA, M.A.

Braking units of warp beams. Tekstilna prom 11 no.1:27-28
'62.

L 40016-65 EWT(a)/EWP(w)/EWA(d)/T/EWP(t)/EWP(z)/EWP(b) MJW/JD/GS

ACCESSION NR: A4049812 S/0000/64/000/000/0052/0055

AUTHOR: Fertik, N. A.; Lebedeva, M. A.; Larina, G. B.; Lapsker, Yu. A. ²¹₂₀ B+1

TITLE: The technology of soft nitriding and its effect on the fatigue strength of steel

SOURCE: Soveshchaniye po uprochneniyu detaley mashin, 1962. Protsessy uprochneniya detaley mashin (Processes of the hardening of machine parts); doklady soveshchaniya. Moscow: Izd-vo Nauka, 1964, 52-55

TOPIC TAGS: steel nitriding, steel cyaniding, steel fatigue strength, soft nitriding, steel wear resistance

ABSTRACT: The principal advantages of nitriding in comparison with carburizing and cyaniding are minimum deformation and warping of the parts. However, the duration of this process, brittleness of the nitrided layer and insufficient service life of nitrided parts limit its application. During the last few years, publications have appeared on soft nitriding which report improvement in the fatigue strength of steel parts. This method involves the use of melted cyanide salts at 520-580C. Using this technique, tests were made to determine the absorption parameters and the properties of the diffusion layer after soft nitriding. A VTs-22

Card 1/3

L 40016-65

ACCESSION NR: A74049812

electric furnace with automatic temperature regulation was used. The furnace bath contained 50% NaCN, 18% NaCl and 32% Na_2CO_3 , and the bath temperature was $550 \pm 10^\circ\text{C}$. A previous publication by A. N. Minkevich noted that the source of chemically active carbon and nitrogen is the dissociation of NaCNO. Therefore, the content of NaCNO and CN in the bath was checked. Low temperature cyaniding was then used to increase the fatigue strength of cylinder liners for air cooled engines made of 38KhMYuA steel. The non-nitrided surface of this steel shows unfavorable tensile stresses. All samples for the fatigue tests were taken from one nitrided liner. Three sets of samples were made: 1) steel cyanided at $550 \pm 10^\circ\text{C}$ for 1.5 hours with a NaCNO content of 5.8%, 2) non-cyanided samples and 3) non-cyanided samples tempered in an alkaline bath at $550 \pm 10^\circ\text{C}$ for 1.5 hours. The authors conclude on the basis of the results of fatigue tests (5×10^6 cycles) that low-temperature cyaniding (soft nitriding) increases the fatigue strength of steel. Thus, low-temperature cyaniding of notched samples of 38KhMYuA steel increased the fatigue strength by 48%. The minimum deformation of parts, lower brittleness, higher fatigue strength and short duration of the process are valid reasons for using low-temperature cyaniding instead of other methods. Do to the low

Card 2/3

L 40016-65

ACCESSION NR: AT4049812

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brittleness of the diffusion layer, the high hardness of the cyanide layer and the high content of carbon and nitrogen, it may be assumed that low-temperature cyaniding also improves the wear resistance. Orig. art. has: 3 figures and 1 table.

ASSOCIATION: None

SUBMITTED: 21 May 64

ENCL: 00

SUB CODE: MM

NO REF SOV: 002

OTHER: 001

Card ⁴⁴ 3/3

ALEKSEYEV, P.A., kand.tekhn.nauk; NIKITIN, V.A., kand.sel'skokhoz.nauk;
ROSSOVSKIY, L.S., inzh.; Primali uchastiye: KHOLOPOVA, A.A.;
VYSOTSKAYA, O.M., starshiy nauchnyy sotrudnik; ~~LEBEDEVA, M.B.,~~
starshiy nauchnyy sotrudnik; ZHAROVA, K.F., tehnik;
PAVLOVA, N.A., tehnik

Experimental rail transportation of apricots and grapes.
Khol.tekh. 39, no.6:46-50 N-D '62. (MIRA 15:12)
(Refrigerator cars) (~~Fruit~~—Transportation)

CA

LEBEDEVA, M.B.

118

The amyolysis and phosphorolysis of muscle glycogen.
A. N. Petrova and M. B. Lebedeva (Acad. Sci., Moscow).
Biokhimiya 15, 277-82(1950); cf. *C.A.* 42, 7807a; 43,
7986i.—The decompn. of carbohydrates in muscle proceeds
not only by way of phosphorolysis, but also by hydrolysis.
Both amylase and phosphorylase are found in muscle
prepd. in the cold, or by autolysis for 1-2 days at room
temp. As is known, glycogen phosphorolysis proceeds
in the presence of phosphates and of adenylic acid; amylo-
lysis, in the presence of chlorides. Phosphorolysis *in*
vitro is unaffected by the presence of chlorides, and amyl-
ysis by the presence of phosphates and adenylic acid.
Glycogen is decompd. *in vitro* much more rapidly by the
combined action of phosphorylase and amylase than by
the sep. action of these enzymes. H. Priestley

Lab. Phys. Chem., AS USSR
+ Inst. Biol & Med. Chem., AMS USSR, Moscow

LEBEDEVA, M. B.

Chemical Abst.
Vol. 48 No. 4
Feb. 25, 1954
Biological Chemistry

Separation of enzymes by paper column chromatography. M. G. Kritsman and M. B. Lebedeva (Inst. Biol. and Med. Chem., Acad. Med. Sci. U.S.S.R., Moscow). *Ukrain. Biokhim. Zhur.* 22, 430-4 (1950) (in Russian). —As test materials, enzyme preps. of differing stages of purification, and concd. brain exts. from tissues, were used. Sepns. occurred by varying $(NH_4)_2SO_4$ concn. and pH, and using from 500 to 900 filter papers, 9 cm. diam. At the 40th paper on the column there were placed 10-20 papers satd. with a soln. of enzyme. The entire column was clamped between two plates of non-corrodcable material. A siphon tube was placed between a vessel contg. 15-20% $(NH_4)_2SO_4$ at pH 7, and the column top. Soln. level corresponded to top of column. Through perforations the distributing tank on the column top the liquid was infused into the filter papers. A concn. gradient was produced by the addn. of H_2O , or low-concn. $(NH_4)_2SO_4$, from a dropping funnel, to the $(NH_4)_2SO_4$ soln.; the speed of entering liquid corresponded to the speed of exit liquid. A stirrer was arranged for uniform mixing, temp. 10° ; 18° gave distortions. After flow was stopped every 20th filter paper was analyzed for enzymic activity, $(NH_4)_2SO_4$ concn., and protein. In an aminopherase expt. its activity was detd. by the colorimetric method of Leonard and Straub (*Studies Inst. Med. Chem., Univ. Szeged* 11, 59(1941)). Activities of the enzymes were detd. from the filters, without preliminary extn., by immersion into substrate. The amt. of protein was detd. by the biuret reaction, and $(NH_4)_2SO_4$ by Nesslerization. Aminopherase from heart muscle was prepd. by fractional salting out with $(NH_4)_2SO_4$, the protein fraction salted out by 15-16% $(NH_4)_2SO_4$ being used. Max. cholinesterase activity was found in the 180-260 filter paper zone. The concn. of $(NH_4)_2SO_4$ in this zone corresponded to 6-15.8% $(NH_4)_2SO_4$.

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R.A.

LEBIDEVA, M.B.; CHERTKOV, I.L.

Effect of toxins elaborated by gas gangrene and tetanus bacteria
on the activity of cholinesterase. Vop.med.khim. 3:148-156 '51.
(MIRA 11:4)

1. Tsentral'nyy gosudarstvennyy nauchno-kontrol'nyy institut im.
prof. Tarasevicha i Institut biologicheskoy i meditsinskoy khimii
AMN SSSR, Moskva.
(CHOLINESTERASE) (TETANUS) (GANGRENE)

LEBEDEVA, M. B.

USSR/Physiology of Humans and Animals - Metabolism

R-3

Abs Jour : Referat Zhur - Biologii, No 16, 1957, 70405

Author : Lebedeva, M.B.

Title : The Influence of Desoxycorticosterone and Cortisone on the Protein Metabolism.

Orig Pub : Vopr. med khimii, 1956, 2, No 4, 278-286

Abstract : Hungry male rats weighing 150-300g were injected within 2-7 days 1-5mg cortisone (I) or DCC (II) intramuscularly. Control animals received 0.9% NaCl solution, or apricot oil (solvent II) in the same quantities as the solutions of hormones. In injecting I, the N of urine increased considerably, with II it was lower than in the control animals, but higher than in the starving rats, which did not receive injections. Rats injected with II lost more weight than control animals and less than the ones injected with I. After I injection the weight of liver and kidneys and their protein content increased, while the

Card 1/2

- 86 -

YUDAYEV, N.A.; LEBEDEVA, M.B.; ZAVYAL'SKAYA, N.P. (Moskva)

Effect of cortisone and desoxycorticosterone on the inclusion of glycine labeled with radiocarbon into proteins in liver sections [with summary in English]. Probl. endok. i gorm. 3 no.6:13-21 N-D '57. (MIRA 11:3)

1. Iz laboratorii nervnoy i gormonal'noy regulyatsii biokhimicheskikh protsessov (zav.-prof. N.A.Yudayev) Instituta biologicheskoy i meditsinskoy khimii (dir.-deystvitel'nyy chlen AMN SSSR prof. V.N. Orekhovich).

- (CORTISONE, effects,
on liver proteins incorporation of glycine labeled with radiocarbon in vitro (Rus)
- (CORTICOSTERONE, effects, same)
- (GLYCINE, metabolism, liver, eff. of cortisone & DOC on incorporation into proteins in vitro, radiocarbon labeled (Rus)
- (PROTEINS, metabolism,
liver eff. cortisone & DOC on glycine incorporation in vitro, (Rus)
- (LIVER, metabolism,
glycine incorporation into proteins in vitro, eff. of cortisone & DOC)

LEBEDEVA, M.B., Cand Biol Sci -- (diss) "Concerning the
role of certain steroid hormones in ^{nitrogen metabolism} ~~nitrous exchange~~."
Mos, 1958, 18 pp with graphs (Acad Med Sci USSR. Inst of
Biol and Med Chemistry) 220 copies (KL, 23-58, 10h)

- 34 -

YUDAYEV, N.A.; LEBEDEVA, M.B.

Role of the adrenal cortex in the processes of glucose-6-phosphatasa adaptation by the liver in rats. Vop. med. Khim. 9 no. 3:267-273 My-Je '63. (MIRA 17:9)

1. Institut biologicheskoy i meditsinskoy khimii AMN SSSR, Moskva.

LEBEDEVA, M.B.

Participation of the thyroid gland in the adaptation processes of glucose-6-phosphatase in rats. Probl. endok. i gorm. 11 no.5: 89-93 S-0 '65. (MIRA 19:1)

1. Laboratoriya biosinteza gormonov i gormonal'noy regul'yatsii protsessov obmena (rukovoditel' - chlen-korrespondent AMN SSSR prof. N.A. Yudayev) Instituta biologicheskoy i meditsinskoy khimii (direktor - deystvitel'nyy chlen AMN SSSR prof. V.N. Orekhovich) AMN SSSR, Moskva. Submitted September 15, 1964.

LEBEDEVA, M.F.

Innervation of the esophagus in day-old chicks. Nauch.dokl.vys.shkoly;
biol.nauki no.2:49-52 '60. (MIRA 13:4)

1. Rekomendovana kafedroy zoologii Saratovskogo pedagogicheskogo
instituta.

(ESOPHAGUS--INNERVATION) (NERVOUS SYSTEM--BIRDS)

L 00892-66 EWT(m)/EPF(c)/EWP(j)/EMA(c) RPL WW/JW/RM

ACCESSION NR: AP5020084

UR/0079/65/035/008/1418/1422
546.161:547.122:547.414.7

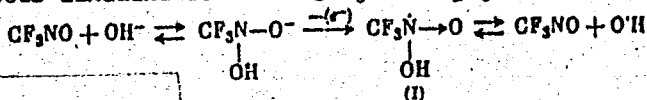
AUTHOR: Ginsburg, V. A.; Medvedev, A. N.; Lebedeva, M. F.; Dubov, S. S.; Yakubovich, A. Ya.

TITLE: Electron transfer in nitroso-compound reactions. I. Mechanism of trifluoronitrosomethane disproportionation

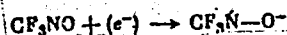
SOURCE: Zhurnal obshchey khimii, v. 35, no. 8, 1965, 1418-1422

TOPIC TAGS: electron transition, reaction mechanism, EPR spectrum, organic nitroso compound, aliphatic fluoronitro compound, methane

ABSTRACT: The mechanism of trifluoronitrosomethane disproportionation was studied in various organic and aqueous alkaline solvents in the temperature range from -120° to 20°C. A detailed examination of the EPR spectra indicated that in the absence of a reducing agent, the first stage of trifluoronitrosomethane disproportionation in an aqueous alkaline solution [CF₃NO + (C₂H₅O) + 20% aqueous NaOH] is as follows



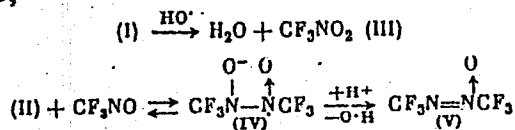
Card 1/3



L 00892-66

ACCESSION NR: AP5020084

In the next stage,



hexafluoroazoxymethane and trifluoronitromethane are formed in a reaction proceeding via the ion-radical mechanism. In the range from -120° to room temperature, the EPR spectra indicate formation of a paramagnetic species at the interphase. Examination of the structure of the EPR spectra at -120°C indicates formation of several types of free radicals. The hydroxy radicals, doublet with identical intensity and a splitting of $\Delta H = 58 \text{ Oe}$, recombine at -100°C. At 20°C the ratio of intensities of the 6 hyperfine lines is close to 1:4:7:7:4:1 which corresponds to a radical incorporating a group CF_3N . Similarly, 6 hyperfine EPR lines but with-

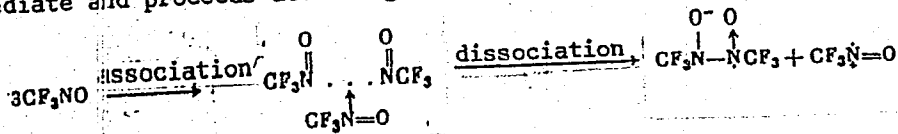
out doublet splitting were found using ethyl ether, chloroform, methyl chloride, and ethyl chloride as solvents. In the $\text{CF}_3\text{NO} + \text{C}_2\text{H}_5\text{OH}$ system the doublet splitting

Card 2/3

L 00892-66

ACCESSION NR: AP5020084

(ΔH) is equal to 3.3 Oe which is about 1.5 times greater than that found in the systems involving either toluene or hexane. No EPR spectrum corresponding to trifluoronitrosomethane was found using either carbon tetrachloride or trifluoroacetic acid as solvents. The transformation of trifluoronitrosomethane into the dimetric ion-radical (IV) in the absence of a reducing agent involves formation of a π-complex intermediate and proceeds according to the following mechanism



Orig. art. has: 4 figures, 3 formulas.

ASSOCIATION: none

SUBMITTED: 02Sep63

NO REF SOV: 007

ENCL: 00

SUB CODE: GC, OC

OTHER: 004

Card 3/3 *DP*

DUN, L.M.; LEBEDEVVA, M.F.

Effect of the photoelectromotive force in polycrystalline cadmium
sulfide. Trudy Inst.met. no.3:262-267 '58. (MIRA 12:3)
(Cadmium sulfide)
(Photoelectricity)

LEBEDEVA, M.F.

SOV/ 112-58-1-175

Translation from: Referativnyy zhurnal, Elektrotehnika, 1958, Nr 1, p 21 (USSR)

AUTHOR: Zalkind, I. Ya., Solomatina, T. V., Vasil'yeva, G. N., and
Lebedeva, M. F.

TITLE: A Lighter Type of Concrete Lining for a PK-19 Series High-Pressure
Boiler (Oblegchennaya betonnaya obmurovka seriynogo kotel'nogo agregata
vysokogo davleniya PK-19)

PERIODICAL: Naladochn. i eksperim. raboty ORGRES, 1956, Nr 13, pp 3-9

ABSTRACT: Bibliographic entry.

AVAILABLE: Library of Congress

1. Combustion chamber liners
2. Concrete--Applications

Card 1/1

BURSIAN, T.V., inzhener; BYCHKOVSKIY, A.L., inzhener; VASIL'YEVA, G.N.,
inzhener; ZALKIND, I.Ya., kandidat tekhnicheskikh nauk; LEBEDEVA,
M.F., inzhener; OKERBLCH, Yu.I., inzhener.

Refractory-protected water-tube wall for PK-19 boilers. Elek.sta.
27 no.5:5-12 My '56. (MLRA 9:8)

(Boilers)

LEBEDEVA, M.F.

Innervation of the air bladder in some species of bony fishes.
Uch. zap. Sar. gos. pedagog. inst. no.41:41-46 '63.

Intermuscular nerve plexus of the esophagus in hens. Ibid.:47-54

L 41820-65 ERG(j)/EWT(1)/EWP(e)/EWT(m)/EPF(c)/EWP(i)/EPR/EWP(j)/T/EWP(b)
Pc-4/Ps-4/PS-4 IJP(c) JD/WW/RM/WH

ACCESSION NR: AP5010910

UR/0286/65/000/007/0101/0101

AUTHOR: Garapov, E. F.; Lebedeva, M. F.; Shchekin, K. I.

47

TITLE: Material for ionization chambers for x-ray dosimetry.
Class 39, No. 169776

B

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 7, 1965, 101

TOPIC TAGS: dosimetry, graphited polyethylene, polyethylene filler, ionization chamber

ABSTRACT: This Author Certificate deals with improved material for ionization chambers for x-ray dosimetry. The material consists of 45--50% polyethylene and 50--55% graphite.

[VS]

ASSOCIATION: Gosudarstvennyy komitet po aviatsionnoy tekhnike SSSR (State Committee on Aviation Technology, SSSR)

SUBMITTED: 18Feb63

ENCL: 00

SUB CODE: MT, NP

NO REF SOV: 000

OTHER: 000

ATD PRESS: 3235

Card 1/1

LEBEDEVA, M. I.

LEBEDEVA, M. I. Cost Accounting between Electric Power Plants and Peat Enterprises
(O Sisteme Raschetov Elektrostantsiy s Torfopredpriyatiyami),
p 16

The author deals with a new, more favorable system of fixing costs per ton of peat consumed by electric power plants. (Table);

SO: ELEKTRICHESKIYE STANTSII, No. 12, Dec. 1952, Moscow (1614306)

L 34091-66 EWT(m)/EWP(j)/T WW/JW/JWD/RM

ACC NR: AP6012923

SOURCE CODE: UR/0020/66/167/005/1083/1086

AUTHOR: Ginsburg, V.A.; Medvedev, A.N.; Dubov, S.S.; Lebedeva, M.F.

ORG: none

TITLE: Electron transfer in reactions of nitroso compounds

SOURCE: AN SSSR. Doklady, v. 167, no. 5, 1966, 1083-1086

TOPIC TAGS: organic nitroso compound, free radical, EPR spectrum, electron donor

ABSTRACT: In a continuation of the study of electron transfer processes in donor-acceptor transformations of nitroso compounds, the following systems consisting of trifluoronitro-

some methane and typical nucleophilic compounds were analyzed: (A) $\text{CF}_3\text{NO} + \text{amines}$ ($(\text{C}_2\text{H}_5)_3\text{N}$; $\text{C}_2\text{H}_5\text{N}$; $\text{C}_6\text{H}_5\text{NH}_2$; $\text{C}_6\text{H}_5\text{NHCH}_3$; $\text{C}_6\text{H}_5\text{N}(\text{CH}_3)_2$); (B) $\text{CF}_3\text{NO} + \text{C}_6\text{H}_5\text{SH}$; (C) $\text{CF}_3\text{NO} + (\text{iso-C}_4\text{H}_9\text{O})_3\text{P}$; (D) $\text{CF}_3\text{NO} + \text{RNN}\ddot{\text{O}}$; $\text{R} = ((\text{CH}_3)_2, (\text{C}_2\text{H}_5)_2)$; (E) $\text{CF}_3\text{NO} + (\text{CH}_3)_2\text{CC1NO}$, and also (F) $\text{CF}_3\text{NO} + \text{C}_2\text{H}_5\text{ONO}$; (G) $\text{CF}_3\text{NO} + \text{aldehydes}$ (CH_3CHO , $\text{C}_3\text{H}_7\text{CHO}$, $\text{C}_6\text{H}_5\text{CHO}$). In these systems, in the temperature range from -160 to $+20^\circ\text{C}$, EPR spectra were obtained, indicating a radical nature of the transformations taking place. The signals are attributed to ion radicals of the type $\text{CF}_3\text{N-D}^{\cdot}$ (where D is the donor molecule) and CF_3NO^- , and also to

products of secondary reactions. The formation of these ion radicals in systems A-F indicates that oxidation-reduction processes occur during the initial stages of the reaction between the nitroso compound and the nucleophilic molecule, the latter acting as the electron donor. The

Card 1/2

UDC: 543.878

L 34091-66

ACC NR: AP6012923

0

paper was presented by Academician Voyevodskiy, V.V., 26 Jul 65. Orig. art. has: 2 figures.

SUB CODE: 07 / SUBM DATE: 02Jun65 / ORIG REF: 007

Card 2/2 vmb

LEBEDEVA, M.I., nauchnyy sotrudnik,; SHEVAREVA, T.P., nauchnyy sotrudnik

International count of white stork populations. Biol. v shkole
no. 3:91 My-Je '58. (MIRA 11:8)

1. Komissiya po okhrane prirody AN SSSR.
(Storks)

AUTHOR: Lebedeva, M.I. SOV-26-58-9-22/42

TITLE: The White Stork in the Azerbaydzhan SSR (Belyy aist v Azerbajjan SSR)

PERIODICAL: Priroda, 1958, Nr 9, pp 104-105 (USSR)

ABSTRACT: The Komissiya po okhrane prirody AN SSSR (Commission for the Protection of Nature AS USSR), Moskva, V-71, Leninskiy prospect, 33, is engaged in counting the number of nesting white storks in the USSR, at the request of the International Committee for the Protection of Birds. The white stork (*Ciconia ciconia* L.) is found frequently in Azerbaydzhan. The author participated in the banding of this species in Azerbajjan in June 1957. It was found that there are no white stork nests in the Astara and Lenkoran' districts at the present. The inhabitants explain that the birds are afraid of the bright projector lights that protect these border districts

Card 1/2

The White Stork in the Azerbaydzhan SSR

SOV-26-58-9-22/42

at night. In addition to this, recent large-scale drainage work in this area has decreased the number of swamps. On the other hand, the number of white storks in the Masally district is very high. The author gives further statistics on the white stork, plus some information on the black stork. There is 1 photo by L. Shaposhnikov.

ASSOCIATION: Komissiya po okhrane prirody AN SSSR /Moskva (The Commission for the Protection of Nature AS USSR /Moscow)

1. Birds---USSR 2. Storks--Preservation

Card 2/2

LEBEDEVA, M.I.

Death of starlings in 1957. Migr. zhiv. no.1:141-146 '59.
(MIRA 13:6)

1. Komissiya po okhrane prirody Akademii nauk SSSR.
(Baltic region--Starlings)

DEMENT'YEV, G.P.; LEBEDEVA, M.I.

Migrations of snow buntings. Ornitologia no.3:112-113 '60.

(MIRA 14:6)

(Russia, Northern—Snow buntings)
(Birds—Migration)

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no.3:413-419 '60. (MIRA 14:6)

(Storks)

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1. Komissiya po okhrane prirody AN SSSR.
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(Storks)

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Biology of the black stork in the Byalovezhska Pushcha.

Ornitologiya no.2:138-142 '59.

(Byalovezhska Pushcha--Storks)

(MIRA 14:7)

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Migration of common terns. Migr. zhiv. no.3:87-91 '62.

(MIRA 16:2)

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(Terns)

(Birds--Migration)

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no.7:328-340 '65. (MIRA 18:10)

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1. Starshiye inzhenery Upravleniya truda, zarabotnoy platy i
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Cancer of the large intestine in youth. Zdrav. Belor. 6 no. 10:58
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1. Iz Gomel'skogo oblastnogo onkologicheskogo dispansera (glavnyy
vrach A.F. Krivoshekiy).
(INTESTINES--CANCER)

LEBEDEVA, M.M.

Second Conference of the Stalino Province Pharmaceutical Society.
Apt. delo 9 no.3:82-84, My-Je '60. (MIRA 1413)

1. Tsentral'nyy aptechnyy nauchno-issledovatel'skiy institut.
(STALINO PROVINCE—PHARMACEUTICAL SOCIETIES)

LEKIN, I. S.; POZOVNIKOV, A. Ya.; BASHKIROV, A. H.

Kinetics of reactions involving solids. Part 1: Oxidation of iron
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1. Institut neftekhimicheskogo sinteza imeni A.V.Topchiyeva AN SSSR.

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Organization of drug preparation work in drugstores. Sbor. nauch.
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1. Otdel organizatsii i ekonomiki aptechnogo dela (rukovoditel' -
kand. farm. nauk A.M. Sidorkov) TSentral'nogo aptechnogo nauchno-
issledovatel'skogo instituta.

E 13925-65 ENT(m)/EPF(c)/T Pr-4 WE

ACCESSION NR: AT5008630

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AUTORS: Obolentsev, R. D. (Doctor of chemical sciences); Lebedeva, M. N.;
Kreys, E. A.; Lyapina, N. K.; Soskova, L. M. (Candidate of physico-mathematical
sciences)

TITLE: Extraction of organo-sulfur compounds from petroleum products

SOURCE: AN SSSR. Bashkirekiy filial. Khimiya neraorganicheskikh soedineniy,
soderzhashchikhaya v neftyakh i nefteproduktakh, v. 7, 1964, 186-188

TOPIC TAGS: petroleum, sulfur, organic compound, distillation, extracting agent,
dearomatization, desulfuration

ABSTRACT: The authors point out the need of knowing the distribution of phases
among petroleum products in order to solve problems concerning extraction and
extractive distillation of organo-sulfur products. Investigations were made on
organo-sulfur compounds dissolved in distillate fractions of high-sulfur Kazankova
petroleum subjected to preliminary dearomatization and desulfuration. The
characteristics of the extracting agents were tabulated. The organo-sulfur
compounds were dissolved in the distillate, held at 20C for 20-30 minutes, shaken
for 10 minutes, and then let stand at the same temperature till the material
Card 1/2

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ACCESSION NR: AT5008630

settled into distinct layers (1-6 hours). The phases were then separated, weighed, and analyzed. The concentration of organo-sulfur compounds was determined in both extracted and refined phases. The experiments show that sulfo-organic compounds may be 90% extracted from petroleum fractions and may be concentrated by a factor of 10-17 with a single run of raw material in the solvent. Best extraction was obtained for the systems: acetic anhydride--122-1500 fraction--2-ethyl thiophene, and furfuryl alcohol--95-1220 fraction--thiophane. Orig. art. has: 3 figures and 5 tables.

ASSOCIATION: Institut organicheskoy khimii BashFAN SSSR (Institute of Organic Chemistry, Bashkirian Branch, AN SSSR)

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Card 2/2

KRISS, A. S.; LEBDEVA, M. N.; RUKINA, Ye. A.

Microorganisms

Distribution of the number and density of microorganisms in the sea in relation to the distance from the shore. Dokl. AN SSSR 86, no. 3., 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 195²~~3~~, Uncl.

Bravina, N. A.

Dissertation: "Characteristics of the Number and Biomass of Black Sea Microorganisms." Cand. Biol. Sci., Inst. of Microbiology, Acad. Sci. USSR, Moscow, Oct-Dec 68. (Vestnik Akademii Nauk, Moscow, Jan 69)

SO: JUN 318, 29 Dec 1968

LEBEDEVA, M.N.

P.V. TSiklinskaia; on the 30th anniversary of her death. *Zmr. mikrobiol.*
epid. i immun. no. 12:59-64 D '53. (MLBA 7:1)
(TSiklinskaia, Praskov'ia Vasil'evna, 1859--1923)

LEBEDEVA, M.N.

20-1-51/54

AUTHOR LEBEDEVA, M.N.
TITLE Quantitative Distribution and Biomass of Microorganisms within the Oxygen Zone of the Black Sea (Kolichestvennyye raspredeleniye i biomassa mikroorganizmov v kislorodnoy zone Chernogo morya. Russian)
PERIODICAL Doklady Akademii Nauk SSSR, 1957, Vol 115, Nr 1, pp 186-198 (U.S.S.R.)
ABSTRACT The method of direct microscoping on membrane-ultra-filters, widely used during recent years, made it possible to obtain an idea of the density of the population of microorganisms in water. The North-Western part of the Black Sea, however, has not yet been studied. The material was collected by means of Nansen's bathometer in 1951 (146 samples from a depth of from 0 - 98 m were taken). The number of microorganisms differs in this area between 14,000 and 495,000 per m. Their number is greatest in depths of from 0 - 25 m. Also the average values of biomass for the strata of from 0 - 25, 0 - 50, 0 - 100 and 0 - 200 m prove the compact character of the main mass of microorganisms with the upper strata of from 25 - 50 m as well as the decrease of micro-population with growing depth. The biomass of the phytoplankton in the strata of from 0 - 50 and 0 - 200 of the whole Black Sea amounts to 3,6 - 4,8 million tons respectively, the biomass of microorganisms to 0,7 - 1,3 million tons for the same

Card 1/2

20-1-51/54

Quantitative Distribution and Biomass of Microorganisms within the Oxygen Zone of the Black Sea

strata. Table 1. shows the biomass per 1 m^3 in the stratum of from 0 - 10 m. Starting the average biomass of the sulphurated hydrogen zone and from the volume of the depth of sulphurated hydrogen we can assume a total amount of 17,2 million tons of microorganisms for this area. This means that microorganisms form about 20 - 25 % of the total living substance. The biomass of the microorganisms in the oxygen zone amounts to about one fourth of the biomass of the phytoplankton. Comparison of the number as well as of the biomass of the microorganisms in various seas shows that the Black Sea does not range behind the central and Southern Caspian Sea as regards the density of micro-population and that it is greater than that of a number of other water. (2 illustrations, 2 tables and 19 Slavic references).

ASSOCIATION Sebastopol Biologic Station of the Academy of Sciences of the U.S.S.R.
(Sevastopol'skaya biologicheskaya stantsiya Akademii nauk SSSR)
PRESENTED BY SHAPOSHNIKOV, V.N., Academician, February 3, 1957
SUBMITTED 23.4.1956
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Card 2/2

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Ecological factors governing the distribution of micro-organisms
in the Black Sea. Trudy SBS 10:135-174 '58. (MIRA 12:9)
(Black Sea--Micro-organisms)