

LAVROVA, M.Ya.

A natural focus of mud fever in rural areas of the central  
belt. Zhur.mikrobiol.epid. i immun. 30 no.3:70-75 Mr '59.  
(MIRA 12:5)

1. Iz Moskovskogo instituta vaksain i syvorotok imeni Mechnikova.  
(LEPTOSPIROSIS, transm.  
natural foci of leptospirosis grippotyphosa in  
central Russia (Rus))

LAVEOVA, M. Ya.; ANDREYEVA, D. A.

Field mice as main and secondary carriers of *Leptospira*; based on data from observations of tagged animals. Zool. zhurn. 39 no.4:608-616 Ap '60. (MIRA 13:11)

1. Laboratory of Leptospirosis, Moscow Institute of Vaccines and Sera.

(Leptospirosis) (Field mice)

LAVROVA, M.Ya.; VISHNYAKOV, A.P.; PROKHOROVA, Ye.V.

Leptospirosis of small insectivores in Shakhovskaya District,  
Moscow Province. Zool.zhur. 39 no.7:1069-1079 J1 '60.

(MIRA 13:7)

1. Leptosporosis Laboratory, Moscow Institute of Vaccines and Sera.  
(Shakhovskaya District--Leptospirosis)  
(Shrews as carriers of disease)

LAVROVA, M.Ya.; LEHEDEVA, T.S.

Epizooty of leptospirosis observed in labeled murine rodents in  
the lower Kuban Valley. *Biul. MOIP. Otd. biol.* 67 no.1:7-14 Ja-F  
'62. (MIRA 15:3)

(KUBAN VALLEY--RODENTIA--DISEASES)  
(LEPTOSPIROSIS)

LAVROVA, M. Ya.

Role of rodents in the midi of leptospirosis of the lower Kuban Valley; interrelations between rodents and farm animals as sources of leptospirosis infection. Zool.zhur. 41 no.7:1067-1074 J1 '62. (MIRA 15:11)

1. Laboratory of Leptospiroses of the Moscow Institute of Vaccines and Sera.

(Kuban Valley--Rodents as carriers of disease)  
(Kuban Valley--Leptospirosis)

YARFONOMEYEVA, A.S.; LAVROVA, M.Ya.

Antigenic structure of leptospirosis agents with respect to  
the ecology of basic host animals. Biol. MGIP. Ctd. biol. 68  
no. 3:14-20 My-Je '63. (MIRA 17:8)

LAVROVA, M.Ya.; STRIGUSHCHENKO, Yu.M.; BARYSHEV, P.M.

Leading factors of the epidemiological process in the leptospirosis  
foci of the lower Kuban River. Zhur. mikrobiol., epid. i immun. 41  
no.9:112-117 S '64. (MIRA 18:4)

1. Tsentral'nyy institut epidemiologii i II Moskovskiy meditsinskiy  
institut.

DAVROVA, M.Ya.; ZAZHIGIN, V.S.

Systematics and biology of shrews in Krasnodar Territory and the  
evaluation of their role in the foci of leptospirosis. Zool. zhur.  
44 no.1:101-109 '65. (MIRA 18:4)

1. Leptospiroznaya laboratoriya Moskovskogo instituta imeni  
Mechnikova.



LAVROVA, M.Z.

Teaching of the ninth grade biology course and current developments.  
Biol. v shkole no.2:35-36 Mr-Apr '63. (MIRA 16:4)

1. Shkola No.75, Saratov. (Biology—Study and teaching)

LAVROVA, N.A.

Construction and use of aquariums in the school. Biol. v shkole  
no. 6:75-76 N-D '60. (MIRA 14:1)

1. Irkutskiy oblastnoy institut usovershenstvovaniya uchiteley.  
(Aquariums)

LAYROVA, N.B.

Outline history of astronomical bibliography. Ist.-astron.issl.  
no.5:83-196 '59. (MIRA 12:12)  
(Astronomy--Bibliography)

LAVROVA, N. B.

Three short-period Cepheids. Astron. tsir. no.203:13 Je '59.  
(MIRA 13:4)

1. Astronomicheskaya observatoriya im. V.P.Engel'gardta.  
(Cepheids)

LAVROVA, N.B.

[Bibliography of astronomical bibliographies] Bibliografiia  
astronomicheskikh bibliografii. Moskva, Astronomicheskii  
sovet Akad.nauk SSSR, 1962. 109 p. (MIRA 16:3)  
(Bibliography--Astronomy)

IOANNISIANI, T.G. [Ioannisiani, T.H.]; BIRG, A.V. [Birh, A.V.];  
LAVROVA, N.K. [Lavrova, N.K.]

Materials on the species and ecology of weevils (Coleoptera,  
Curculionidae) in White Russia. Vestsi AN BSSR. Ser. bial. nav.  
no.4:113-122 '63. (MIRA 17:8)

IOANNISIANI, T.G.; BIRG, A.V.; LAVROVA, N.K.

Studying the ecologic characteristics of the weevils *Phytonomus zeles* F. and *Phytonomus nigrirostris* F. Vop. ekol. 7:70-71 '62.

(MIRA 16:5)

1. Akademiya nauk Belorusskoy SSR, Minsk.

(White Russia--Weevils)

(White Russia--Clover--Diseases and pests)

LOANISIANI, T.S. [Loanisiiani, T.H.]; BIRG, A.V. [Birh, A.V.]; LAUROVA,  
N.K. [Iaurova, N.K.]

Life cycles of weevils *Faytonomus nigripetris* F. and *Phytonomus*  
*meles* F. (Coleoptera, Curculionidae) and measures for their control.  
Vestsi AN BSSR. Ser. biial. nav. no. 4:111-120 '64.

(MIRA 18:12)



CA LAVROVA, N. M.

7

A new variation of volumetric-gravimetric method of analysis. N. A. Porfir'ev, N. M. Lavrova, and V. V. Evdokimov (Ulyanov-Lenin State Univ., Kazan). *Zhur. Anal. Khim.*, 4, 114-16(1949).—It is suggested weighing the soln. before and after titration, and detg. the titrant from the increase in wt. M. Hoch

LAVROVA, N.N.

LIKHTSIYER, I.B., professor; POPOVA, N.L.; BLYUMENTAL', R.F.; LAVROVA, N.N.

Treatment of subtropic anemias with folic acid, vitamin B<sub>12</sub> and iron. Probl.gemat. i perel.krovi 1 no.6:25-32 N-D '56. (MLRA 10:1)

1. Iz fakul'tetskoy terapevticheskoy kliniki (zav. zasluzhenny deyatel' nauki prof. I.B.Likhtsiyer) Stalinabad'skogo meditsinskogo instituta.

(ANEMIA, ther.

folic acid, vitamin B<sub>12</sub> & iron)

(FOLIC ACID, ther. use

anemia, with vitamin B<sub>12</sub> & iron)

(VITAMIN B<sub>12</sub> ther. use

anemia, with folic acid & iron)

(IRON, ther. use

anemia, folic acid & vitamin B<sub>12</sub>)

LAVROVA, N.N.

137-58-5-10168

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 5, p 183 (USSR)

AUTHORS: Shatlov, A. Ya., Lavrova, N.N.

TITLE: The Effect of pH and Anion Concentration on the Steady-state Potential and the Corrosion of Iron (Vliyaniye pH i kontsentratsii aniona na statsionarnyy potentsial i korroziyu zheleza)

PERIODICAL: Tr. Voronezhsk. un-ta, 1956, Vol 40, pp 87-92

ABSTRACT: The electrochemical and corrosive properties of Fe are investigated in relation to pH with simultaneous consideration of the influence of the anions in the solution. Armco Fe electrodes were used to measure irreversible potentials by the capacitor-charge method. The corrosion strength was measured by the weight change in solutions of Britton's universal buffer mixture with the following additions: 0.01 N HCl, 0.1 N HCl, 1.0 N HCl, and 1.0 N KBr, a chloride mixture in which the total concentration of Cl ions was 0.1 N and 1.0 N, and a sulfate mixture with a decinormal concentration of  $\text{SO}_4^{2-}$ . At pH of 0 to 5.5 the Fe potentials are in linear relation to the pH in accordance with the equation  $E_{\text{Fe}} = -0.245 - 0.04 \text{ Z pH}$  and are independent of the anion concentration. A change of 1 unit in pH changes the

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137-58-5-10168

The Effect of pH (cont.)

potential by 0.040 v. When  $\text{pH} > 5.5$ , the potential changes sharply toward the positive, is dependent upon the concentration of Cl ions, and is independent of the pH of the solution. At a pH of 2, corrosion attains  $160 \text{ mg/dm}^2$  per day. An increase in pH markedly reduces the rate of corrosion, which is  $\leq 2 \text{ mg/cm}^2$  per day at a pH of 6.5. In pH 4 solutions of Britton's mixture with normal concentrations of Cl and Br ions, corrosion attains a maximum rate. In the 2 to 3.5 pH interval, the K-pH curve presents an anomaly that confirms the passivating action of Cl and Br ions.

Ya. L.

1. Hydrogen ion concentration--Corrosive effects 2. Iron--Corrosion 3. Ions--Chemical effects 4. Corrosion--Test methods

Card 2/2

SOV/137-58-7-16199

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 7, p 326 (USSR)

AUTHORS: Shatalov, A. Ya., Lavrova, N. N.

TITLE: On the Tantalum Electrode (O tantalovom elektrode)

PERIODICAL: Tr. Voronezhsk. un-ta, 1956, Vol 40, pp 93-96

ABSTRACT: The behavior of the tantalum electrode in solutions of buffering salts in a broad pH range, in the solutions of certain salts, acids, and NaOH, was investigated. The potentials of Ta electrodes (in the form of thin Ta foil) were measured by the PPTV-type potentiometer with a mirror galvanometer opposite a calomel semielement which was in contact with the Ta electrode. In the presence of reducing agents or in alkaline solutions Ta develops negative potentials up to -0.35v; in acid or oxidizing solutions the potential attains +0.95 v. The relationship of the stationary potentials of Ta to the pH for buffer mixtures is expressed as follows:  $E_{Ta} = 0.450 - 0.035 \text{ pH}$ . The serviceability of the Ta electrode is proved experimentally as an indicator in the potentiometric titration for the reactions of neutralization, precipitation, and oxidation-reduction. A jump in the potential occurs at the

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On the Tantalum Electrode

equivalence point and reaches 0.5 v in the case of iodometric titration of hyposulfite, 0.3 - 0.4 v in the titration of Mohr's salt with permanganate, and is sufficient for titrating 0.005-N acid solutions.

Ya. L.

1. Tantalum electrodes--Performance
2. Tantalum electrodes--Electrical properties
3. Electrical potential--Measurement

Card 2/2

MYSHKIN, Ye.A.; LAVROVA, N.N.; IVANOVA, Z.M.

Complete analysis of petroleum sulfonic acids and Petrov's  
contacts. Zav.lab. 27 no.2:163-164 '61. (MIRA 14:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke  
nefti i gaza.

(Sulfonic acids) (Sulfuric acids)

KALYUZHNYI, I.T.; SIDOROVA, L.N.; BURMIN, L.; AKTAYEV, S.; TEPLITS,  
V.V.; ZUYEV, V.N.; POKROVSKAYA, T.I.; KOZHOMKULOV, T.A.;  
LAVROVA, N.N., prof., red.; ZUBOK, Ya.Z., tekhn. red.

[Read this, this is useful] Prochitai, eto polezno. Frunze,  
1962. 10 nos. [Botkin's disease] Bolezn' Botkina. 19 p.  
[Communicable (infectious) diseases in children] Detskie  
zaraznye (infektsionnye) bolezni. 18 p. [Helminths and the  
harm they cause to human health] Gel'minty i ikh vred dlia  
zdorov'ia cheloveka. 26 p. [Work hygiene of the beet grower]  
Gigiena truda sveklovoda. 12 p. [Hygienic regimen of the  
schoolchild] Gigiericheskii rezhim shkol'nika. 24 p. [Fungus  
diseases of the skin] Gribkovye zabolevaniia kozhi. 24 p.  
[Prevention and treatment of cardiac and vascular diseases]  
Preduprezhdenie i lechenie boleznei serdtsa i sosudov. 19 p.  
[Prevention and treatment of rickets] Rakhit, ego predu-  
prezhdenie i lechenie. 8 p. [Old age and longevity] Starost'  
i dolgoletie. 14 p. [Vitamins and their significance for  
human health] Vitaminy i ikh znachenie dlia zdorov'ia chelo-  
veka. 22 p. (MIRA 17:3)



L 46844-66 EWT(m)/T/EWP(t)/ETI IJP(c) DS/JD/GD/JH  
ACC NR: AT6024967 (N) SOURCE CODE: UR/0000/65/000/000/0121/0126

AUTHOR: Shatalov, A. Ya.; Markova, N. Ye.; Chernyshev, V. V.; Lavrova, N. N. <sup>35</sup>  
<sub>B+1</sub>

ORG: none

TITLE: Electrochemical removal of chloride ion impurities from etched aluminum capacitor foil in nitrate and borate solutions <sup>27</sup>

SOURCE: AN SSSR. Otdeleniye obshchey i tekhnicheskoy khimii. Zashchitnyye metallicheskiye i oksidnyye pokrytiya, korroziya metallov i issledovaniya v oblasti elektrokhimii (Protective metallic and oxide coatings, corrosion of metals, and studies in electrochemistry) Moscow, Nauka, 1965, 121-126

TOPIC TAGS: chloride, aluminum foil, electrolytic capacitor, electrolytic refining

ABSTRACT: An electrochemical purification of aluminum capacitor foil designed to remove adsorbed chloride ions involved cathodic treatment in neutral solutions of  $KNO_3$  and borate buffer at current densities of  $6.75 \times 10^{-5} - 1 \times 10^{-4} A/cm^2$ . It was found that in this range the current density has practically no effect on the degree of purification of the foil, but as the duration of the cathodic treatment (cathodic polarization) is increased, the process of desorption of chloride ions becomes more complete. A batch of electrolytic capacitors prepared from foil which had undergone the

Card 1/2

LAVROVA, N.P.

22646. LAVROVA, N.P. Vliyaniye optokineticheskikh razdrazheniy na vestibulyarnyy analizator. Trudy akad. med. nauk sssr, T. IV, 1949, S. 100-08

SO: LETOPIS' No. 20, 1949

LAVROVA, N. P.

Lavrova, N. P. "On the mechanism of disturbance to the functions of the auditory and vestibular analysors in concealed and open military skull traumas",  
In the collection: Nevrologiya voyen. vremeni, Vol. I, Moscow, 1949,  
p. 338-52.

SO: U-411, 17 July 1953, (Letopis 'Zhurnal 'nykh Statey, No. 20, 1949)

NIKOLAYEV, S.I., red.; SALUKVADZE, V.S., red.; ANDRIANOV, K.I., red.; VASIL'YEV, A.Ye., red.; ZHIKHAREVA, G.P., red.; KRYLOV, P.I., red.; KSEHDZER, G.L., red.; KHRAMIKHIN, F.G., red. [deceased]; CHEREMISINOV, M.M., red. Prinsipalni uchastiye: ANUCHKIN, M.P., red.; GRIGOR'YEVA, M.B., red.; ZHUKOV, V.I., red.; KALYUZHNYI, N.G., red.; KAMERSHTEYN, A.G., red.; KOZLOVSKAYA, A.A., red.; LAVROVA, N.P., red.; NUSOV, G.I., red.; FAL'KEVICH, A.S., red.; YERSHOV, P.R., vedushchiy red.; FEDOTOVA, I.G., tekhn.red.

[Safety regulations for constructing steel pipelines] Pravila tekhniki bezopasnosti pri stroitel'stve metal'nykh stal'nykh truboprovodov. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1960. 235 p. (MIRA 13:9)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye gazovoy promyshlennosti.
2. Vsesoyuznyy nauchno-issledovatel'skiy institut tverdykh splavov (for Anuchkin, Grigor'yeva, Zhukov, Kalyushnyy, Kamershteyn, Kozlovskaya, Lavrova, Nusov, Fal'kevich), (Pipelines) (Industrial safety)

ACCESSION NR: AP/012491

S/0154/63/000/005/0109/0115

AUTHOR: Lavrova, N. P. (Engineer)

TITLE: Use of wide angle aerial cameras for air surveys on colored film

SOURCE: IVUZ. Geodeziya i aerofotos"yemka, no. 5, 1963, 109-115

TOPIC TAGS: wide angle camera, camera, photograph, air survey, aerial survey, aerial photography, short focus camera, color film, light filter, neutral filter

ABSTRACT: The aerial camera AFA-TE, with focal length of 200 mm, is serviceable only for low altitude flights, but this gives a very large scale. At altitudes above 2000 m the colored films TsN-1, TsN-3, and DS-5 lose quality because of smoke. A short-focus AFA camera permits small and medium scale surveys below 2000 m. The decisive factor for this camera is its accuracy for stereographic treatment and the minimum of field work (actual photographing) required. Investigations of the TsNIIGAIK have proved the suitability of using colored film (such as TsN-1 or SN-2<sup>h</sup>) since it gives more precise stereogrammetric measurements than black and white film. Investigations were therefore made with the indicated camera on colored film at the Gos'II GVF with focal lengths of 100, 70, and 55 mm for work in aerial surveys. The objectives used were Russar-29, Russar-33, Russar-44, and Russar-26. Tests were

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ACCESSION NR: AP4012491

made on a number of filters: the ZhS-18 and OS-14 with panchromatic type 10 or spectrozonal SN-23 and SN-5 film, the neutral K-8 filter with color film. The experiments have shown that the wide-angle camera--AFA-TE with focal lengths of 100 and 70 mm and AFA-41 with focal lengths of 100 and 75 mm, with use of proper filters--gives good results in aerial surveys. The use of the AFA-TE with a focal length of 55 mm is not suitable, however. The low sensitivity of colored film leads to some limitations in the use of color filters KS-14 and OS-14 during wide-angle photography with an AFA having a focal length of 70 mm. Greater exposures are required. At present, the author recommends the use of light filters ZhS-18 or OS-14 with the neutral K-8 filter. Orig. art. has: 6 figures and 1 table.

ASSOCIATION: none

SUBMITTED: 29 Aug 63

DATE ACQ: 02 Mar 64

ENCL: 00

SUB CODE: PG

NO REF SOV: 000

OTHER: 000

Cord 2/2

BELOV, V.I.; LAVROVA, N.V.

Device for screwing and unscrewing sucker rods. Nefteprom. delo  
no.6:15-16 '64. (MIRA 17:9)

1. Neftepromyslovoye upravleniye "Oktyabr'neft".

LAVROV, N.V., akademik; PETRENKO, I.G.

Mechanism of methane conversion by carbon dioxide. Dokl. AN  
SSSR 157 no.6:1410-1412 Ag '64. (MIRA 17:9)

1. AN Uzbekskoy SSR (for Lavrov).



USSR/Farm Animals - General Problems.

Q-1

Abs Jour : Res. zhurn. - Biol., No 10, 1958, 03307

Author : Klimova, V.N., Lavrova, O.D., Ryzhkova, A.T., Fedoseyeva,  
H.D.

Inst : Moscow Technological Institute of Meat and Dairy Indus-  
tries.

Title : The Carotene Content in Feeds of the Barybino Sovkhoz.

Orig Pub : Sb. stud. rabot. Mosk. tekhnol. in-t myasn. i molochn.  
prom-sti, 1958, vyp. 5, 110-119.

Abstract : No abstract.

Card 1/1

LAVROVA, O.P.; FAYNSHTEYN, F.Ye.; SKURKOVICH, S.V.

Use of hemocytostimulin in the treatment of iron deficiency  
anemias. Probl.gemat.i perel.krovi 1 no.1:57-60 Ja-F '56. (MIRA 14:1)

1. Iz Tsentral'nogo ordena Lenina instituta gematologii i pereli-  
vaniya krovi (dir. - chlen-korrespondent AMN SSSR prof. A.A.  
Bagdasarov) Ministerstva zdravookhraneniya SSSR.  
(ANEMIA) (SERUM)

LAVROVA, O.P.

Treatment of iron deficiency anemias. Probl. gemat. i pere<sup>1</sup>. krovi  
5 no. 11:26-33 '60. (MIRA 14:1)

(ANEMIA)

LORIYE, Yu.I.; AKSENOVA, O.V.; LAVROVA, O.P.; TURBINA, N.S.

Some problems in the treatment of leukemia. Terap.arkh. 33  
no.2:94-101 F '61. (MIRA 14:3)

1. Iz gematologicheskoy kliniki (zav. - prof. M.S. Dul'tsin)  
TSentral'nogo instituta gematologii i perelivaniya krovi.  
(LEUKEMIA)

AKSENOVA, O.V.; LAVROVA, O.P.

Vitamin B<sub>12</sub> and iron concentration in the blood of leukemic patients.  
Vit. res. i ikh isp. no.5:220-228 '61. (MIRA 15:1)

1. Gematologicheskaya klinika Tsentral'nogo ordena Lenina instituta  
gematologii i perelivaniya krovi, Moskva.  
(CYANOCOBALAMINE) (IRON IN THE BODY) (LEUKEMIA)

EYDINOVA, M.B.; CHERNTSOVA, T.A.; AKSENOVA, O.V.; LAVROVA, O.P.

Treating funicular myelosis with vitamin B<sub>12</sub>. Vit. res. i ikh isp.  
no.5:229-234 '61. (MIRA 15:1)

1. Gematologicheskaya klinika Tsentral'nogo ordena Lenina instituta  
gematologii i perelivaniya krovi, Moskva.  
(CYANOCOBALAMINE) (LEUKEMIA)

KISELEV, A. Ya, dotsent; RUTBERG, R.A.; MALLER, A.R.; RODINA, R.I.; P/PUSH,  
H.D.; URINSON, R.M.; LAVROVA, O.P.; RAKHMAYEVA, V.A.

Plasmapheresis as a way of increasing the resources of donor  
plasma. Probl. gemat. i perel krovi 9 no.12:3-8 D '64  
(MIRA 18:1)

1. Tsentral'nyy ordena Lenina institut gematologii i perelivaniy  
krovi (direktor - dotsent A. Ye. Kiselev) Ministerstva zdravookhra-  
neniya SSSR, Moskva.

YASHUNSKIY, V.G.; SAMOYLOVA, O.I.; DYATLOVAM N.M.; LAVROVA, O.Yu.

Substances with complex-forming capacity. Part 7:  
N,N,S-mercaptoethylaminotriacetic acid. Zhur.ob.khim.  
32 no.10:3372-3378 0 '62. (MIRA 15:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy  
institut imeni S. Ordzhonikidze i Vsesoyuznyy nauchno-  
issledovatel'skiy institut khimicheskikh reaktivov.  
(Acetic acid) (Complex compounds)



LASTOVSKIY, R.P. (Moscow, Bogorodskiy val.d.3); DYATLOVA, N.M. (Moscow, Bogorodskiy val.d.3); KOLPAKOVA, I.D. (Moscow, Bogorodskiy val.d.3); TEMKINA, V.Ya. (Moscow, Bogorodskiy val.d.3); LAVROVA, O.Yu. (Moscow, Bogorodskiy val.d.3)

New complexones and possibilities of their application in analytical chemistry. Acta chimica Hung 32 no.2:229-233  
'68.

1. Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh reaktivov.

DYATLOVA, N.M.; YASHUNSKIY, V.G.; SIDORENKO, V.V.; LAVROVA, O.Yu.;  
LASTOVSKIY, R.P.

Synthesis and study of new complexons containing heteroatoms  
in cyclic compounds. Trudy IREA no.25:83-90 '63.

Synthesis and study of new selective ion-exchange resins.  
Ibid.:91-99

(MIRA 18:6)

DYATLOVA, N.M.; LAVROVA, O.Yu.

Reduction of rare-earth metals. Trudy IREA no.25:289-302 '63.  
(MIRA 18:6)

DYATLOVA, N.M.; LAVROVA, O.Yu.; BIKHMAN, B.I.

Determination of the composition and instability constants of  
some complexon salts. Trudy IREA no.25:391-399 '63.  
(MIRA 18:6)

DYATLOVA, N.M.; TEMKINA, V.Ya.; BFLUGIN, Yu.F.; LAVROVA, O.Yu.; BERTINA,  
L.E.; IOZEFVICH, F.D.; KALMYKOVA, N.N.; ZHIROV, Ye.P.

Complex formation of  $\beta$ -hydroxyethyliminodiacetic acid with  
rare-earth elements. Zhur. neorg. khim. 10 no.5:1131-1137  
My '65. (MIRA 18:6)

L 53047-65 EWT(m)/EWP(t)/EWP(b) IJP(c) JD/JG

ACCESSION NR: AP5012970

UR/0079/65/010/005/1131/1137  
546.65:541.49+661.863/.868.7

AUTHOR: Dvatlova, N. M.; Temkina, V. Ya.; Belugin, Yu. F.; Lavrova, O. Yu.; Bertina, L. E.; Iozefovich, F. D.; Kalmykova, N. N.; Zhiron, Ye. P. 20

TITLE: Complexing of beta-hydroxyethyliminodiacetic acid with rare earth elements

SOURCE: Zhurnal neorganicheskoy khimii, v. 10, no. 5, 1965, 1131-1137 27

TOPIC TAGS: beta-hydroxyethyliminodiacetic acid, rare earth complex formation, dysprosium separation, yttrium separation, rare earth element, complex compound

ABSTRACT: The authors studied the capacity of  $\beta$ -hydroxyethyliminodiacetic acid to form complexes with rare earth elements, determined the composition of the complexes formed, and calculated the instability constants of the latter and the dissociation constants of the complexing agent. Such quantitative characteristics of complex-forming processes facilitate the determination of optimum conditions of separation and purification of rare earth elements. The appreciable differences between the instability constants of the complexes show that this complexing agent can be used for the separation of rare earth metals. The difference in the  $pK$  of

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ACCESSION NR: AP5012970

the complexes of dysprosium and yttrium, equal to 0.71, is particularly notable, since it exceeds any previous value attained with other complexing agents. Experiments involving the separation of a binary mixture containing 30%  $Y_2O_3$  and 70%  $Dy_2O_3$  by means of  $\beta$ -hydroxyethyliminodiacetic acid were very successful. It was found that as the atomic number of the rare earth metal increases, the stability of the complexes rises sharply at first (from lanthanum to europium), then remains approximately constant (from europium to lutetium). Orig. art. has: 8 figures, 2 tables, and 11 formulas.

ASSOCIATION: none

SUBMITTED: 16Sep63

ENCL: 00

SUB CODE: IC, G-

NO REF SOV: 001

OTHER: 011

*BAB*  
Card 2/2

LAVROVA. R.S.

Self-polar triad. Uch.zap.MOPI 77:281-290 '59.

(MIRA 13:5)

(Geometry)



MAN'KOVSKIY, G.I., doktor tekhn.nauk; VERKHOVSKIY, I.M., doktor tekhn.  
nauk; LAVROVA, S.N., kand.geol.-miner.nauk; BARANOVSKIY, Yu.V.,  
inzh.

Reclaiming the flushing fluid by means of hydrocyclones. Shakt.  
stroj. no.6:6-11 Ja '59. (MIRA 12:9)  
(Hydraulic mining) (Separators (Machines))

LAVROVA, T.

Organization of the accounting and economic analysis. Avt. transp.  
43 no.2:38-39 F '65. (MIRA 18:6)

1. Nachal'nik planovo-ekonomicheskogo otdela transportnogo uprav-  
leniya Kuzbasskogo soveta narodnogo khozyaystva.

VILYANSKIY, M.P., kandidat meditsinskikh nauk.,; LAVROVA, T.A.

Acute intestinal obstruction unusual in women. Akush. i gin.  
32 no.1:78-79 Ja-F '56 (MLRA 9:6)

1. Iz khirurgicheskogo otdeleniya (zav. M.P. Vilyanskiy) bol'nitsy  
g. Zhukovskogo Moskovskoy oblasti.  
(INTESTINAL OBSTRUCTION  
acute in women)

1 10848-66 EWT(m)/ETC/EWG(m) DS/RM

ACC NR: AP6000231

SOURCE CODE: UR/0289/65/000/002/0013/0018

AUTHOR: Pevnitskaya, M. V.; Gnusin, H. P.; Lavrova, T. A.

53 B

ORG: Institute of Physicochemical Principles of the Processing of Mineral Raw Materials Siberian Branch, AN SSSR, Novosibirsk (Institut fiziko-khimicheskikh osnov pererabotki mineral'nogo syr'ya Sibirskogo otdeleniya AN SSSR)

TITLE: Electric transport of ions through a cation-exchange membrane in mixed salt solutions

SOURCE: AN SSSR. Sibirskoye otdeleniye. Izvestiya. Seriya khimicheskikh nauk, no. 2, 1965, 13-18

TOPIC TAGS: ion exchange membrane, ion exchange resin, electric conductivity

ABSTRACT: The electrochemical behavior of the sulfonated cation-exchange membrane MK-20 was studied in the following mixed salt solutions: Na<sub>2</sub>SO<sub>4</sub>-CuSO<sub>4</sub>, NaCl-BaCl<sub>2</sub>, NaNO<sub>3</sub>-AgNO<sub>3</sub>. It was found that Ag<sup>+</sup>, Ba<sup>++</sup>, and Cu<sup>++</sup> ions are selectively absorbed by the ion exchanger. In all of the systems studied, the preferentially absorbed ions have higher transference numbers in the membrane than sodium. These numbers are higher for ions the mobility of which in the ion exchanger remains higher. Thus, the specific permeability of membranes is determined both by the concentration of the particles in the ion exchanger and by their mobility in the resin phase. It is shown that from the dependence of the electrical conductivity of the membrane on the composition of the solution the ionic composition of the membrane can be calculated and

Card 1/2

UDC: 541.133

L 10848-66

ACC NR: AP6000231

the transference numbers of the counterions can be approximately determined. Orig.  
art. has: 6 figures and 6 formulas.

SUB CODE: 07, 11 / SUBM DATE: 02Nov64 / ORIG REF: 005 / OTH REF: 005

20,

HW

Card 2/2

L 29935-66 EWT(m)/EWP(t)/ETI IJP(c) JD

ACC NR:AR6010650

SOURCE CODE: UR/0276/65/000/010/B070/B070

AUTHOR: Gnusin, N.P.; Nechayev, Ye. A.; Kutjukov, G. T.; Lavrova, T.A.

TITLE: Comparative evaluation of the existing methods of cadmium plating from non-cyanide solutions 39  
B

SOURCE: Ref. zh. Tekhnologiya mashinostroyeniya, Abs. 10B440

REF SOURCE: Sb. dokl. k Novosib. nauchno-tekhn. konferentsii po mashinostr. Ch. 1. Novosibirsk, 1964, 129-134

TOPIC TAGS: metal plating, cadmium compound, electrolyte, ammonium salts

ABSTRACT: Results are given of studying basic electrolytes for cadmium plating and the technological parameters of their work are compared. It is noted that good results are obtained from complex ammoniate salts. The outlook for further improvement of electrolites based on amino compounds is stressed.

SUB CODE: 07/ SUBM DATE: none

Card 1/1 CC

LAIROVA, T.F.

Postoperative complications following gastric resection, Khirurgia,  
Moskva no. 2:37-42 Feb 1953. (GLML 24:2)

1. Candidate Medical Sciences. 2. Of the Hospital Surgical Clinic  
(Director -- Prof. V. E. Salishchev), First Moscow Order of Lenin  
Medical Institute.

LAVROVA, T.F.

Minutes of the Session of the Surgical Society of Moscow and Moscow  
Province of May 22, 1953. Khirurgia no.2:87-89 P '54. (MIRA 7:5)  
(Tumors) (Hodgkin's disease)



LAVROVA, T.F.

Minutes of the Session of the Surgical Society of Moscow and  
Moscow Province of September 25, 1953. Khirurgia no.4:93-95  
Ap '54. (KIDNEYS--SURGERY) (ESOPHAGUS--SURGERY)  
(KOSTAREV, SERGEI IVANOVICH, 1879- ) (MLRA 7:6)

LAVROVA, T.F.

Minutes of the Session of the Surgical Society of Moscow and Moscow  
Province held in Memory of Academician S.I. Spasokutskii on November  
27, 1953. Khirurgiia no.6:89-90 Je '54. (MLRA 7:9)  
(MOSCOW PROVINCE--SURGERY--SOCIETIES)  
(SURGERY--SOCIETIES--MOSCOW PROVINCE)

LAVROVA, T.F.

LAVROVA, T.F., kandidat meditsinskikh nauk (Moskva)

Indications for surgery in gastric and duodenal ulcer. Fel'd. 1  
akush. no.7:25-29 J1 '54. (MLRA 7:7)  
(PEPTIC ULCER, surgery  
\*indic.)

Name: LAVROVA, Tat'yana Fedorovna

Dissertation: Extra-organ nerve plexes of the mediastinum

Degree: Doc Med Sci

Affiliation: [not indicated]

Defense Date, Place: 4 Mar 57, Council of 1st Moscow Order of Lenin Med Inst imeni Sechenov

Certification Date: 16 Nov 57

Source: BMVO 24/57

medialastinu CELLULAR tissue. Arkh. anat. gist.  
i embr. 36 no.4:79-81 Ap '59. (MIRA 12:7)

1. Kafedra operativnoy khirurgii i topograficheskoy anatomii 1 Moskovskogo ordena Ienina meditsinskogo instituta im. I.M. Sechenova (zav.kafedroy - prof. V.V. Kozhanov) MEDIASTINUM, innervation, nerve plexuses (Rus)

LAVROVA, T.F., prof.

Topography of the nerves of the coronary arteries. Khirurgiia  
37 no.5:30-34 My '61. (MIRA 14:5)

1. I kafedry operativnoy khirurgii i topograficheskoy anatomii  
(zav. - prof. T.F. Pavlova) Voronezhskogo meditsinskogo instituta.  
(CORONARY VESSELS—INNERVATION)

TUMANOVSKIY, M.N.; LAVROVA, T.F.; NOVIKOV, Yu.G.; GARMASH, V. Ya.

Electrokymographic investigation of the heart in dogs following excision of experimental myocardial infarction. Kardiologiya 2 no.6:22-27 N-D'62. (MIRA 17:8)

1. Iz kafedry fakul'tetskoy terapii (zav. - prof. M.N. Tumanovskiy) i kafedry topograficheskoy anatomii s operativnoy khirurgiyey (zav. - prof. T.F. Lavrova) Voronezhskogo meditsinskogo instituta.

LAVROVA, T.F. (Voronezh, ul. Chaykovskogo, 8, kv.140)

Problems in the teaching of topographical anatomy and its development  
as a science. Arkh. anat., gist. i emgr. 46 no.6:121-123 Fe 1964.

(MIRA 18:3)

1. Kafedra operativnoy khirurgii s topograficheskoy anatomiyey  
(zav. - prof. T.F. Lavrova) Voronezhskogo gosudarstvennogo meditsin-  
skogo instituta.

LAVROVA, T.F.; NOVIKOV, Yu.G.; KHARIN, V.S.; SHAPOVALOV, A.Ye.; KOLOKOLOVA,  
T.D.; KHRTININA, K.M.; MINEYEVA, G.T.

Temporary exclusion of the left cardiac ventricle from circulation  
in an experiment. Grad. khir. 6 no.5:62-66 S-0 '64.

(MIRA 18:4)

1. Kafedra operativnoy khirurgii s topograficheskoy anatomiyey  
(zav. -- prof. T.F.Lavrova), tsentral'naya nauchno-issledovatel'-  
skaya laboratoriya i kafedra biokhimii (zav. -- dotsent K.M.  
Khrutinina) Voronezhskogo meditsinskogo instituta.



TRUBITSYN, B.I.; LAVROVA, T.S.; SERGEYEV, V.A.

Effect of the method for cultivating the virus of foot-and-mouth disease on the formation of negative colonies in tissue cultures. Veterinariia 41 no.11:11-15 N '64.

(MIRA 18:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut veterinarnoy virusologii i mikrobiologii.

L 31311-66 EWT(1)/T JK

ACC NR: KP6022531

(A,N)

SOURCE CODE: UR/0346/66/000/001/0018/0020

AUTHOR: Lavrova, T. S.; Sergeyev, V. A.; Trubitsyn, B. I.; Khizhinskaya, V. P.ORG: All-Union Scientific Research Institute of Veterinary Virology and Microbiology  
(Vsesoyuznyy nauchno-issledovatel'skiy institut veterinarnoy virusologii i  
mikrobiologii)TITLE: Reproduction of foot-and-mouth disease virus in a tissue culture of pig  
embryo kidneySOURCE: Veternariya, no. 1, 1966, 18-20TOPIC TAGS: foot and mouth disease, virus, virology, vaccine

ABSTRACT: The effect of certain conditions on reproduction of the foot-and-mouth disease virus (Type O) in a culture of pig embryo kidney cells was studied. The strain used was obtained from cattle and adapted in 7-8 passages to the pig embryo kidney culture. It was found that reproduction of the virus in the culture did not depend on previous adsorption of the virus in the culture did not depend on previous adsorption of the virus to the cells. In cultivating the foot-and-mouth disease virus in this culture in one-liter flasks it is good to inoculate the culture simultaneously with a change of the medium (pH 7.6), introducing the virus in a dose of  $10^{-2}$ - $10^3$  TCD<sub>50</sub>/ml. The infected cultures are incubated at 37° C for 18-20 hours. Cultivation of foot-and-mouth disease virus in this way was found promising for producing vaccine. Orig. art. has: 3 tables. [JPRS]

SUB CODE: 06 / SUEM DATE: none / ORIG REF: 003 / OTH REF: 006

Card 1/1 CC

UDC: 619.616.988.43-093.35

0915

05:98

ACC NR: AP60215)6

(11) SOURCE CODE: UI/0402/66/000/003/0375/0375

AUTHOR: Sergeev, V. A.; Lavrova, T. S.

ORG: All-Union Institute of Veterinary Virology and Microbiology, Ministry of Health, SSSR, (Vsesoyuznyy institut veterinarnoy virusologii i mikrobiologii. Ministerstva sel'skogo khozyaystva SSSR)

TITLE: Growth cycle and heterogeneity of virus particles

SOURCE: Voprosy virusologii, no. 3, 1966, 375

TOPIC TAGS: animal disease, foot and mouth disease, virology, virus, veterinary medicine

ABSTRACT:

Growth of type 0 strain Op foot-and-mouth virus in pig kidney tissue culture is characterized by a latent phase lasting about 2 hr, followed by a maximum quantity of virus appearing within 4 hours in the cultured cells and within 8 hours in the culture fluid. The virus population is heterogeneous as determined by standard tests.

[W.A. 50; CBE No. 10]

SUB CODE: 06/ SUBM DATE: none/

Card 1/1

DROZDOVSKIY, V.F.; LAVROVA, T.V.; SOKOLOV, S.A.

Effect of carboxylic acid anhydrides on the rubber reclaiming process.  
Kauch.i rez. 20 no.3:33-35 Mr '61. (MIRA 14:3)

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

BIKULOVA, G.A., otv. za vyp.; LAVROVA, T.V., otv. za vyp.; LOBKOVA,  
T.Yu., otv. za vyp.

[Nomenclature handbook] Nomenklaturnyi spravochmik. Mo-  
skva. Pt.1.[Quality and high-quality steels] Kachestven-  
nye i vysokokachestvennye stali. 2., perer. i dop. izd.  
[n.d.] 279 p. (MIRA 17:3)

1. Promsyr'yeimport, Vsesoyuznoye importno-eksportnoye ob"-  
yedeneniye.

LAVROVA, V. I. Cand Med Sci -- (diss) <sup>*Peculiarities*</sup> "Characteristics of the Protein Composition of the Blood Serum of Newborn Infants and Their Mothers." Len, 1957. 14 pp & 19 cm. (Len Pediatric Medicine Inst), 100 copies (KL, 25-57, 118)

LAVROVA, V.I.

Proteins in the blood serum of newborns and of their mothers. Vop.  
okh. mat. i det. 2 no.2:27-35 Mr-Ap '57 (MLRA 10:4)

1. Iz Leningradskogo gosudarstvennogo pediatricheskogo meditsinskogo  
instituta (dir.-prof. N.T. Shutova, zav. kafedroy gospiatal'noy  
pediatrii-deystvitel'nyy chlen AMN SSSR prof. A.F. Tur)  
(BLOOD PROTEINS)

LAVROVA, V.I., vrach-metodist

Instruction in health education at the Chernovtsy Medical Institute.  
Mat. dlia prep. san. prosv. v med, inst. no.5:25-29 '59.

(MIRA 13:12)

1. Chernovitskiy oblastnoy dom sanitarnogo prosveshcheniya.  
(HEALTH EDUCATION)



LAVROVA, V.P.

"Investigation of the Effect of the Synthesis Conditions of Magnesia-Alumina Spinel Upon Its Principal Properties." Cand Tech Sci, Chair of the Technology of Refractory Materials, Leningrad Order of Labor Red Banner Technological Inst imeni Leningrad Sovet, Min Higher Education USSR, Leningrad, 1955. (KL, No 12, Mar 55)

So: Sum. No 670, 29 Sept 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

LAVROVA, V. S.

37600. O krayevykh Tel'tsakh v eritrotsitakh. Trudy tomskogo med. in-ta im. Molotova,  
T. XV, 1949, s. 89-92

SO: Letopis' Zhurnal'nykh Statey, Vol. 37, 1949

LAVROVA, V.S.

Structure of erythrocytes and methods of hematologic staining. Arkh.  
pat., Moskva 14 no.6:77-78 Nov-Dec 1952. (GIML 23:4)

1. Of the Department of Pathophysiology (Head -- Prof. D. I. Gol'dberg),  
Tomsk Medical Institute.

USSR/Human and Animal Physiology (Normal and Pathological).  
Stomach.

T-6

Abs Jour : Ref Zhur - Biol., No 16, 1958, 74874

Author : Lavrova, V.S.

Inst : Tomsk Medical Institute.

Title : Content of Vitamin B<sub>12</sub> in the Blood Serum in Humans After  
Total and Partial Gastrectomy.

Orig Pub : 5-y Pavlovsk. sb. Tomskiy med. in-t. Tomsk. Un-t, 1956,  
147-153.

Abstract : In patients after gastrectomy the content of B<sub>12</sub> in serum  
immediate post operative was normal, but in 3 years and  
later it was decreased. In the later post operative  
period different developments of avitaminoses of B<sub>12</sub> and  
hyperchronic megaloglast anemia were observed in them.  
After partial resection of the stomach these phenomena

Card 1/2

- 72 -

USSR/Human and Animal Physiology (Normal and Pathological).  
Stomach.

T-6

Abs Jour : Ref Zhur - Biol., No 16, 1958, 74874

were found rarely and only in later periods (6 years and more). In separate patients having a normal content of B<sub>12</sub> in the serum macrocytosis, glossitis and paresthesia were noted. In patients with cancer of the stomach only in 5 cases was a low level of B<sub>12</sub> found in the serum. --  
L.A. Kashchevskaya.

Card 2/2

USSR / Human and Animal Morphology (Normal and Pathological). Digestive System.

S

Abs Jour : Ref. Zhur - Biologiya, No. 3, 1959, 12283

Author : Lavrova, V. S.

Inst : Karaganda Medical Institute

Title : Histological Data on the Comparative Evaluation of Various Sutures of the Intestines.

Orig Pub : Tr. Ka ragandinsk. med. in-ta, 1957, 1, No. 2, 173-177

Abstract : As a result of experiments of the superimposition of 145 intestinal sutures in 60 dogs which were killed 6 hours-60 days after surgery, it was shown that among the advantages of single-row sutures are a shorter period of edema and inflammation, tender scar and absence of adhesions,

Card 1/2

USSR / Human and Animal Morphology (Normal and  
Pathological). Digestive System.

S

Abs Jour : Ref. Zhur - Biologiya, No. 3, 1959, 12283

and among their disadvantages, slowed-down re-  
generation in the period of scar-tissue formation  
and the possibility of suture separation (3  
cases). The advantage of double-row sutures is  
faster regeneration and disadvantages - a longer  
period of edema and inflammation, formation of  
adhesions (15 cases) and a scar which protrudes  
into the intestinal lumen.

Card 2/2

LAVROV, V. S.

TOROPTSEV, I.V., professor; LAVROVA, V.S., dotsent

Daniil Isakovich Gol'dberg. Arkh.pat. 19 no.5:75-76 '57. (MIRA 10:8)  
(GOL'DBERG, DANIIL ISAKOVICH, 1907- )



LAVROVA, V.S.

Report on the first plenary session of the Siberian branch  
of the All-Union Society of Pathophysiologists. Pat.fiziol.  
i eksper.terap. 2 no.1:59-60 Ja-F '58. (MIRA 12:9)  
(PATHOPHYSIOLOGICAL SOCIETIES)

*Lavrova V.S.*

LAVROVA, V.S.

Effect of partial and total gastrectomy on the vitamin B<sub>12</sub> content of blood serum [with summary in English, p.61-62] Probl.gemat. i perel. krovi 3 no.1:13-17 Ja-F '58. (MIRA 11:3)

1. Iz kafedry patofiziologii (zav. - prof. D.I.Gol'dberg) i kafedry gospiatal'noy khirurgii (zav. - deystvitel'nyy chlen AMN SSSR prof. A.G.Savinykh) Tomskogo meditsinskogo instituta

(GASTRECTOMY, effects,  
on blood vitamin B<sub>12</sub> (Rus))

(VITAMIN B<sub>12</sub>, in blood,  
eff. of gastrectomy (Rus))

LAVROVA, V.S., dot's. (Tomsk)

Vitamin B12 content of blood serum and the liver in stomach cancer  
[with summary in English]. Klin.med. 37 no.1:75-78 Ja '59.  
(MIRA 12:3)

1. Iz kafedry patofiziologii (zav. - prof. D.I. Gol'dberg) i kafedry  
gospital'noy khirurgii (zav. - deystvitel'nyy chlen AMN SSSR prof.  
A.G. Savinykh) Tomskogo meditsinskogo instituta.

(STOMACH NEOPLASMS, metab.

vitamin B12 content in liver & blood (Rus))

(VITAMIN B12, metab.

content in blood & liver in stomach cancer (Rus))

(LIVER, metab.

vitamin B12 content in stomach cancer (Rus))

GOL'DBERG, D.I., prof.; LAVROVA, V.S. (Tomsk)

Current concepts on intestinal absorption of vitamin B12. Pat.  
fiziol.i eksp.terap. 5 no.1:3-13 Ja-F '61. (MIRA 14:6)  
(CYANOCOBALAMINE) (INTESTINES)

GOLD'BERG, D.I., prof.; LEVINA, G.D.; DALINGER, L.M.; KARPOVA, G.V.;  
GOL'DBERG, Ye.D.; TETERINA, V.I.; LAVROVA, V.S.; TIMAKIN, N.P.;  
GOL'DBERG, A.I.; CHERNOVA, Ye.A.

Clinical significance of erythrocytometry. Probl. gemat. i perel.  
krovi 9 no.10:8-14 0 '64. (MIRA 18:3)

1. Tomskiy meditsinskiy institut.

LAVROVA, V.V.

USSR/Human and Animal Physiology. Digestion.

T

Abs Jour: Ref Zhur-Biol., No 8, 1958, 365<sup>3</sup>.1.

Author : Lavrova, V.V.

Inst : Stavropolski Institute

Title : The Effect of Sodium Sulfate and Magnesium Sulfate  
on Reflex Regulation of Contraction of Different  
Parts of the Stomach in Cattle.

Orig Pub: Tr. Stavropolsk. c.-kh in-ta, 1956, vyp 7, 505-514.

Abstract: It was determined in experiments in 5 calves with fistulas of the stomach and duodenum that introduction of moderate (400-500 gm) or large (600-1000) doses of  $\text{Na}_2\text{SO}_4$  produces inhibition of motility of the rumens and of the reflex of rumination through action on the receptors of the abomasum and bowel. These effects are more intense by introduction of solu-

Card : 1/3

USSR/Human and Animal Physiology. Digestion.

T

Abs Jour: Ref Zhur-Biol., No 8, 1958, 36531.

tions of  $\text{Na}_2\text{SO}_4$  than  $\text{MgSO}_4$ . The degree and dynamics of the development of inhibition depend upon the doses of the above solutions, upon individual peculiarities and functional conditions of the digestive organs at the time of introduction of the solutions. The administration of larger doses of  $\text{Na}_2\text{SO}_4$  (800-1000 gm) may lead to development of marked hypotonia and tympanism of the rumens. Administration of large doses of  $\text{Na}_2\text{SO}_4$  and  $\text{MgSO}_4$  intensifies the evacuating function of the abomasium and the peristaltis of the duodenum. In the administration of moderate doses of  $\text{Na}_2\text{SO}_4$  and  $\text{MgSO}_4$ , the purgative effect with elimination of thick or watery fecal matter is more apparent after administration of  $\text{Na}_2\text{SO}_4$ . When administering  $\text{Na}_2\text{SO}_4$  directly

Card : 2/3

Abs Jour: Ref Zhur-Biol., No 8, 1958, 36531.

into the rete, the purgative effect appears during any stage of the act of defecation with elimination of semi-formed fecal matter.

Card : 3/3



USSR/Diseases of Farm Animals - General Problems.

R-1

Abs Jour : Ref Zhur - Bioli, No 4, 1958, 16911

Author : Lavrova, V.V.

Inst : -

Title : The Direct Introduction of Therapeutic Substances into the Abomasum of Cattle.

Orig Pub : Veterinariya, 1956, No 12, 46-49.

Abstract : It was demonstrated by experiments that the reflex of closing the esophageal canal is caused by the excitation of the receptors of the oral cavity and larynx. In animals of all ages, the closing of the esophageal canal is effected by a slow peroral introduction of 0.25% solution of sodium sulfate and magnesium sulfate, 10% solutions of NaCl and sugar, and 0.1% solution of quinine hydrochloride.

Card 1/1

LAVROVA, V.V. Doc Cand Biol Sci -- (diss) "Effect of <sup>certain</sup> ~~some~~  
pharmacological preparations <sup>up</sup> on the reflect<sup>or</sup> ~~ion~~ regulation  
of contractions of various sections of <sup>the</sup> ~~a~~ multidocular stomach  
in cattle." Stavropol', 1957. 19 pp 20 cm. (Min of Agriculture  
USSR. Kazan' Veterinary Inst im N. E. Bauman), 180 copies  
(KL, 21-57, 100)

-31-

GURAL'NIK, M.I., kandidat tekhnicheskikh nauk; MEKENITSKIY, S.Ya.,  
inzhener; LAVROVA, V.V., spets. redaktor; GLAZUNOVA, V.V., redaktor;  
ROSLOV, G.I., tekhnicheskij redaktor

[Roller conveyers; a report] Rolikovye dorozhki; informatsionnoe  
soobshchenie. Moskva, Gos. izd-vo torgovoi lit-ry, 1956. 14 p.  
(Conveying machinery) (MLRA 9:10)

VASIL'YEVA, A.V.; MEL'KUMYANTS, N.B.; LAVROVA, V.V.; SHADZHANOV, A.M.  
NEMTSOVA, V.K.

Milk as a possible transmitting factor of typhoid infection.  
Zdrav. Turk. 7 no.3:17-18 Mr'63. (MIRA 16:6)

1. Iz Asjkhabskogo instituta epidemiologii i gigiyeny (dir.  
dotsent Ye.S.Popova) i Turkmenskoy respublikanskoy sanitarno-  
epidemiologicheskoy stantsii (glavnyy vrach V.I.Mamayev).  
(MILK--MICROBIOLOGY) (TYPHOID FEVER)

*LAVROVA, V.V.*

VEYNBERG, B.S., kandidat tekhnicheskikh nauk; LAVROVA, V.V., inzhener;  
NIKOLAYEVA, H.G., redaktor; VODZINSKIY, V.V., tekhnicheskii  
redaktor

[Methods of testing compressor refrigerating machinery] Metody  
ispytaniy kompressionnykh kholodil'nykh mashin. Moskva, Pishche-  
promizdat, 1953. 70 p. [Microfilm] (MLRA 7:10)  
(Refrigeration and refrigerating machinery--Testing)

LAVROVA, V., inzhener

Results of testing the 2AV-27 compressor. Khol.tekh. 32 no.1:3-7  
Ja-Mr '55. (MIRA 8:7)  
(Compressors--Testing)

LAVROVA, Vera Vasil'yevna; SINEL'NIKOVA, TS.B., red.; SUDAK, D.N., tekhn.  
red.

[Refrigerating capacity of installations with compressors lacking crossheads; scientific report] Kholodoproizvoditel'nost' ustanovok s beskreitskopfnymi kompressorami; nauchnoe soobshchenie. Moskva, Gos. izd-vo tog. lit-ry, 1956. 23 p. (MIRA 14:7)  
(Refrigeration and refrigerating machinery)

LAVROVA, V., inzh.; LIFSHITS, G., inzh.

Results of testing the pump feeding system for freezers. Khol.  
tekh. 33 no.4:23-26 O-D '56. (MIRA 12:1)  
(Refrigeration and refrigerating machinery)



LAVROVA, V.

Distr: ~~4E4j/4E4b/4E3d~~ <sup>21</sup>

Experimental investigation of heat transfer to boiling  
Preon-122 V. Lavrova, *Khrolou, Tekh. Zh.* No. 3, 55-61  
1957. — A ~~heat-transfer~~ heat-transfer studies is described.  
The test tubes were: (a) 20.41 or (b) 23.92 mm. outer diam.,  
working length about 240 mm.; heat was transferred to  
boiling Preon-12 on the outer surface by an elec. heater. At  
temps. between -5 and -25° and pressures between 1.3 and  
the system had single-phase natural convec-

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working length about 47V ..... also heater. At  
 boiling (above 10 on the outer surface) the  
 temp. between -5 and -25° and pressure between 1.5 and  
 2.7 atm. abs. the system had single-phase natural convec-  
 tion conditions at the heating surface for transfer rates below  
 2000 kcal./sq. m. -hr. Nucleate boiling began to be stable  
 above this rate and always existed above 2500 kcal./sq. m.  
 -hr. The heat-transfer coeff. ( $\alpha$ , kcal./sq. m.-hr.-degree) is  
 linear on a log-log plot with the heat-transfer rate ( $q$ , kcal./  
 sq. m.-hr.), as follows:  $\alpha = 100$  and  $200$  when  $q = 200$  and  
 $2500$ , resp., in the single-phase natural convection region  
 and  $\alpha = 270$  and  $840$  when  $q = 2000$  and  $10,000$ , resp., in the  
 nucleate boiling region.  $q$  is also linear with  $\Delta t$  (measured  
 between tube wall and bulk liquid) on a log-log plot, as  
 follows:  $q$  ranges from  $200$  to  $2500$  as  $\Delta t$  changes from  $2$  to  
 $13^\circ$  in the natural convection region and  $q$  varies from  $2000$   
 to  $10,000$  with  $\Delta t$  changing from  $7.8$  to  $11^\circ$  in the nucleate  
 boiling region.

Harold J. Kandiner

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 JJK JR

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TITLE: Cold Storage Houses and Artificial Skating-Rinks in the CSR  
(Kholodil'niki i iskusstvennyye katki Chekhoslovakii)

PERIODICAL: Kholodil'naya tekhnika, 1959, Nr 1, pp 66-68 (USSR)

ABSTRACT: There are 21 cold storage distributing houses in the CSR with a total capacity of 100,000 tons; of these 6 are single story houses. The latest trend is to build only single story refrigeration houses of 5,000 - 6,000 tons capacity. The cold storage buildings are made of prefabricated reinforced concrete parts; as insulating material is used mostly "velit" made of alternative layers of corrugated and smooth paper, impregnated with coal tar and stuck together with water glass. The floor is insulated to prevent the ground from freezing. Between the refrigerating chambers are narrow platforms 4m wide; there is also a non-refrigerated hall for handling and processing food products. Meat, preferably without bones, is packed in cardboard boxes 560 x 355 x 150mm weighing 25 kg, and is frozen in movable or suspended shelves in tunnel type freezers, in which a temperature of -30°C is maintained. Packed meat is frozen in 24 hours at an air flow velocity of 5m per sec; the tunnel is 11m long. The suspended shelves

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are moving on an overhead trolley. For small portions meat is packed in small cardboard boxes, with or without vegetables. Ready cooked dishes are also prepared, packed, and stored in the cold storage houses in the CSR. In Brno a conveyor installation is handling ready cooked dishes. As refrigerating agent brine is mostly used. There are various defrosting systems being used, employing either hot brine or hot ammonia. Cold storage houses employ mostly vertical compressors of the type 2SN-200A (600 rpm, output 225,000 normal kcal/hr) and of the type 3 SN-300A (500 rpm and 600,000 kcal/hour capacity). The latest type supplied in Prague are V-shaped compressors with 720-960 rpm and up to 215,000 kcal/hour capacity. Various types of condensers are in use. In places where water is scarce evaporation condensers are installed. These are turned out by ChKD - Sokolovo Plant in various sizes of surfaces from 65 to 200 m<sup>2</sup>. Material handling, stacking, and loading is done by means of electric battery driven trucks, overhead trolleys, and movable light conveyors. Entrance doors to cold chambers are equipped with air-ventilation screens on either side, the

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