

ACCESSION NR: AP4012883

s/0248/64/000/002/0078/0081

AUTHOR: Gurevich, M. D.; Tsurupa, D. I.

TITLE: Diagnostic application of ultrasonics

SOURCE: AMN SSSR. Vestnik, no. 2, 1964, 78-81 and insert between pages 80 and 81

TOPIC TAGS: ultrasonics, ultrasonic diagnostic device, UZD-4 ultrasonic diagnostic device, echographia, biosonar, diagnostic method, breast tumor, peripheral arterial disease, one-dimensional echographia, two-dimensional echographia

ABSTRACT: Pathological processes of soft organs and tissues can be investigated without contrasting substances by echographia. This method is based on reflection of an ultrasonic beam from different density boundaries and projection of the transmitted pulses on a cathode tube screen. In the more commonly used one-dimensional echographia the shape, size, and depth of pulses are produced by a stationary ultrasonic beam. In two-dimensional echographia an ultrasonic oscillator moves along a given trajectory and the reflected

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pulses form a cross-section image of the investigated area. In 1959 the first Soviet-made ultrasonic diagnostic device, the UZD-4 (two-dimensional), was introduced. Various medical institutes have been studying breast tumors, peripheral arterial diseases, abdominal organ diseases, and empyema with this biosonar device and are developing standard clinical diagnostic procedures. Orig. art. has: 1 figure.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut meditsinskogo instrumentariya i oborudovaniya, Moscow (All-Union Scientific-Research Institute of Medical Instrumentation and Equipment); Voenno-meditsinskaya ordena Lenina akademiya im. S. M. Kirova, Leningrad (Military-medical Lenin Order Academy)

SUBMITTED: 00

DATE ACQ: 02Mar64

ENCL: 00

SUB CODE: AM

NO REF SOV: 000

OTHER: 000

Card

2/2

GUREVICH, M.D.; TSURUPA, D.I.

Diagnostic use of ultrasonics. Vest. AMN SSSR 19 no.2:78-81 '64.  
(MIRA 18:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut meditsinskogo  
instrumen'ariya i oborudovaniya, Moskva i Voenno-meditsinskaya  
ordena Lenina akademiya imeni S.M. Kirova, Leningrad.

TSURUPA, D.I.

Clinical use of the UZD-4 ultrasonic diagnostic apparatus.  
Trudy VNIIMIO no.3:67-73 '63 (MIRA 18:2)

TSURUPA, D.I.

Ultrasonic diagnosis of some diseases of the organs of the abdominal cavity. Eksper. khir. i anest. 9 no.3:3-8 My-Je '64.  
(MIRA 18:3)

1. Klinika fakul'tetskoy khirurgii imeni Fedorova (nachal'nik prof. V.M. Sitenko) Voyenno-meditsinskoy akademii imeni Kirova, Leningrad.

TSURUPA, D.I., kand.med.nauk (Leningrad, K-160,shosse Revolyutsii,d.11/52,kv.2)

Use of ultrasonics in the diagnosis of some surgical diseases.  
Vest.khir. 89 no.9:63-69 S '62. (MIRA 15:12)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (nachal'nik -  
prof. V.M.Sitenko) Voenno-meditsinskoy akademii imeni S.M.  
Kirova.

(ULTRASONIC WAVES---THERAPEUTIC USE) (DIAGNOSIS)

TSURUPA, D. I.:

TSURUPA, D. I.: "The causes for and prophylaxis of traumatism in the forestry industry of the Carpathian region". L'vov, 1955. L'vov State Medical Inst. (Dissertations for the Degree of Candidate of Medical Sciences.)

So. Knizhnaya letopis'. No. 49, 3 December 1955. Moscow.

TSURUPA, D.I., kand. med. nauk

Use of ultrasonics in the diagnosis of aneurysms. *Khirurgiya*  
40 no.1:93-98 Ja '64. (MIRA 17:11)

1. Fakul'tetskaya khirurgicheskaya klinika (nachal'nik - prof.  
V.M. Sitenko) Voyenno-meditsinskoy ordena Lenina akademii imeni  
Kirova.



TSURUTA, Teydzi [TSuruta, Teiji], dots.; OVECHKIN, M.K. [translator];  
SERGEYEV, A.P., red.; ROGAYLINA, A.A., red.; KOGAN, V.V.,  
tekh. red.

[Preparation of synthetic polymers] Reaktsii polucheniia  
sinteticheskikh polimerov. Pod red. A.P.Sergeeva. Moskva,  
Goskhimizdat, 1963. 196 p. Translated from the Japanese.  
(MIRA 17:1)

1. Inzhenerno-tekhnicheskii fakul'tet Kiotskogo universiteta,  
Chlen Obshchestva po issledovaniyu polimerov i chlen Yapon-  
skogo khimicheskogo obshchestva (for TSuruta).  
(Polymers) (Chemistry, Organic--Synthesis)

KOLAROV, I., inzh.; TS"RVENKOV, N. [TSurvenkov, N.], inzh.

Determining the efficient shape for the grooving of belt  
conveyors. Vest. mashinostr. 45 no.4:39-41 Ap '65.  
(MIRA 18:5)

DIMITROV, S.; TSURVENKOV, N.

Nomograms for controlling frictional temperature in crane  
brakes. Godishnik mash elekt 12 no. 3:53-61 '62 [publ. '63].

TSURVENKOV, V.

Checking the arithmetic operations with the aid of number 9.  
Mat i fiz Bulg 7 no. 2:35-38 My-Je '64.

TSURVULANOVA, I.; TASHEV, S.; SOTEV, M.

"The time schedule of the section foreman in cotton spinning."

LEKA PROMISHLENCST. TEKSTIL., Sofia, Bulgaria., Vol. 7, No. 11, 1958

Monthly list of EAST EUROPEAN ACCESSIONS (EEAI), LC, Vol. 8, No. 7, July 1959, Unclass

BOCHEVER, F.M.; TSURYUPA, P.V.

Determining the inflow and level drop of underground waters in draining mineral deposits. Razvod. i okh. nedr 24 no.5:45-52 My '58.  
(MIRA 11:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut vodosnabzheniya, kanalizatsii, gidrotekhnicheskikh sooruzheniy i inzhenernoy gidrogeologii (for Bochever). 2. Gosgorkhimproyekt (for TSuryupa, P.V.)  
(Mine drainage) (Water, Underground)

KLEAPOVSKAYA, V.I., operatsionnaya sestra; KOROTAYEVA, O.D., operatsionnaya sestra; TSURYUPA, L.F., operatsionnaya sestra

Work of the surgical nurse in sounding the heart and pulmonary vessels. Med. sestra 22.no.1:56-57 Ja '63. (MIRA 16:7)

1. Iz legochmogo khirurgicheskogo otdeleniya Instituta eksperimental'noy biologii i meditsiny Sibirskogo otdeleniya AN SSSR.  
(CARDIAC CATHETERIZATION) (ANGIOGRAPHY)

AUTHOR: Tsutsayeva, A. A.

6

B

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T 3182-6e

Card 2/2

TSUSHKO, V.K.; KRAVETS, P.T.  
Belotserkov Agricultural Institute  
"The action of penicillin on the agent of swine  
erysipelas in vitro."  
SO: Vet. 28 (10) 1951, p. 47

L 54540-65

EW(1)/FCC/EEC(t) Pa-1/P1-4 GW

ACCESSION NR: AR5014425

UR/0169/65/000/005/A009/A010  
550.330.8

SOURCE: Ref. zh. Geofizika, Abs. 5A47

31

AUTHOR: Matveyev, B. M.; Tsutskaev, I. M.

B

TITLE: Experience in using the AM-13 airborne magnetometer on the nonmagnetic schooner "Zarya"

CITED SOURCE: Sb. Geofiz. priborostr. Vyp. 19. L., Nedra, 1964, 61-73

TOPIC TAGS: airborne magnetometer, nonmagnetic vessel, geophysical instrument, geomagnetism, magnetometer

TRANSLATION: Practical recommendations are presented for the alteration and replacement of components of the AM-13 airborne magnetometer ensuring its successful operation on a nonmagnetic vessel. The principal aspects of this modification are: 1) replacement of the standard UF-13V transformer by an AMG-202B transformer, thereby increasing the duration of continuous operation of the magnetometer to 600-700 hours without affecting its output characteristics; 2) the use of highly precise stabilizers as sources of reference voltage and mercury

Card 1/2

L 54547-05  
ACCESSION NR: AR5014425

SUB CODE: ES,GO

ENCL 00

S/095/60/000/010/003/006/XX  
A053/A026

AUTHORS: Tsutskarev, V.P., Karpinskiy, V.V., Candidates of Technical Sciences,  
Leningrad

TITLE: New Type Insulation of Reinforced Concrete Reservoirs for Gasoline  
Storage

PERIODICAL: Stroitel'stvo Truboprovodov, 1960, No. 10, pp. 4-6

TEXT: The article describes experiments conducted under the supervision of  
ВНИИСТ (VNIIST) pertaining to a new method of insulating reinforced concrete  
reservoirs for storing gasoline, using cement-latex compounds as insulation and  
adhesive substance for the application of a vinyl plastic film. Insulation was  
applied on four reinforced concrete reservoirs of different capacities. Reser-  
voirs No. 6, 11 and 13 had a capacity of 4.5 m<sup>3</sup> each and No. 3 of 210 m<sup>3</sup>. As  
basic insulation on all reservoirs a cement-latex compound was applied, contain-  
ing butadiene-nitrile latex CKH-40 (SKN-40), Portland cement grade 400 and sta-  
bilizer consisting of casein glue B-107 (V-107) in powdered form, which is used  
to prevent latex from coagulating when mixed with cement. Lasting contact of ga-  
solene with cement latex insulation is liable to increase the resin content in

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Card 1/2

9/095/60/000/010/003/006/XX  
A053/A026

New Type Insulation of Reinforced Concrete Reservoirs for Gasoline Storage

gasoline. For this reason reservoirs 3 and 11 had, in addition to the cement-latex insulation, a vinyl plastic film applied on top; this material is being obtained by means of thermic plastification of polyvinyl chloride resin. The article describes the method of preparing the cement-latex compound which is applied to the concrete with a brush; a spray-gun can also be used. For these experiments from 9 to 26 layers were applied. Reservoirs 3 and 11 were lined with a vinyl plastic film in addition to the cement-latex insulation. Reservoir No. 6 received 4 extra coatings of Japan 60T made from polyvinylbutyral and cresol-formaldehyde resin, while reservoir No. 13 had 4 coatings of Japan based on resin CBX-40 (SVKh-40). Insulation being completed, the reservoirs were filled with gasoline A-72, which was kept in the reservoirs for 1 year. After this period the loss of gasoline amounted to 0.63 % - 1.40 %. Only No. 3 reservoir, showed some dark stains on the outside due to some leakage of gasoline resulting probably from defective insulation. All other reservoirs remained perfectly leak-proof. There are 3 figures, 1 table and 4 Soviet references. ✓

Card 2/2

TSUTSKAREVA, L.M.

Working experience of a phtisiologist in the Chelyabinsk Metallurgic  
Plant. Probl. tub. 41 no.10:12-14 '63. (MIRA 17:9)

1. Iz protivotuberkuleznogo dispansera No.4 (glavnyy vrach O.L.  
Lucher), Chelyabinsk.

S/123/59/000/008/034/043  
A004/A002

Translation from: Referativnyy zhurnal, Mashinostroyeniye, 1959, No. 8, p. 185,  
# 29966

AUTHORS: Botyanovskaya, P. Yu., Tsutskareva, T. I.

TITLE: High-Silicon Malleable Cast Iron<sup>18</sup>

PERIODICAL: Tekhn.-ekon. byul. Sovnarkhoz Krasnoyarskogo ekon. adm. r-na,  
1958, No. 1, pp. 40-43

TEXT: In order to cut down the annealing of malleable cast iron, specimens and components weighing between 0.6 and 48 kg with a wall thickness in the range of 5 - 40 mm were cast from melts with an increased Si-content and Te-additions. In order to delay graphitization during the solidification of cast iron, Te together with FeSi was brought on the bottom of the ladle in quantities of 0.01 and 0.02%, with Si-contents of 1.8 and 2.2% respectively. The following annealing conditions existed: heating up to 950°C for 5 hours, soaking for 6 hours at 950°C ± 10°C, temperature reduction down to 780°C during 2 hours, reduction down to 720°C during 12 hours, soaking at 700-720°C during 8 hours

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High-Silicon Malleable Cast Iron

S/123/59/000/008/034/043  
A004/A002

and reduction to 680°C for 2 hours. The total duration amounted to 35 hours. With a Cr-content of 0.18%, the heating up to 950°C is prolonged by 5 hours while soaking at 700-720°C increases by 6 hours. The optimum C-content was established to be 1.7 - 2.6%, the optimum Si-content 1.8-2.5% while the Cr-content should not exceed 0.08%. The sum of C + Si = 3.8 - 4.5%. A Cr-content of up to 0.2% is permissible if the Si-content is increased, based on the ratio of 0.02% of Si for every 0.01% of Cr. A considerable difference in fluidity between ordinary and high-silicon cast iron could not be detected. Linear shrinkage is the same for high-silicon and ordinary cast iron, while volumetric shrinkage is somewhat greater in the former. The cost for 1 ton of high-silicon malleable cast iron was reduced by 100 rubles on account of a reduction in annealing time. There are 6 figures.

G. G. M.

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

TSUTSKIRIDZE, Ya.A.

Inventory of the solar resources of Georgia. Trudy TbilNIGMI  
no.12:54-83 '63. (MIRA 18:5)

TSUTSKIRIDZE, Ya.A.

Some features of the closed cover regime in Georgia. Trudy  
ZakNEGMI no.19813-22 '65. (MIRA 18:12)

TSUTSKIRIDZE, Ya.A.

Albedo of some cultivated plants and other natural surfaces.  
Trudy Tbil.NIGMI no.8:34-41 '61. (MIRA 15:3)  
(Transcaucasia—Albedo)

TSUTSKIRIDZE, Ya.A.

Radiation factors of the climate in Georgia. Trudy Tbil.  
NIGMI no.10:71-88 '62. (MIRA 16:11)

TSUTSKIRIDZE, Ya.A.

Solar energy estimates in Armenia. Trudy Tbil. NIGMI no.7:  
49-70 '60. (MIRA 14:8)  
(TSutskiridze, Ya.A.)

TSUTSKIRIDZE, Ya.A.

Radiation balance under tea crops in the Anassuli region. Trudy Tbil:  
NIGMI no.2:176-188 '57. (MIRA 11:4)

(Georgia--Radiation)

TSUTSKIRIDZE, Ya.A.

Solar radiation in Tiflis. Trudy Tbil.NIGMI no.6:78-87 '59.  
(MIRA 13:5)

(Tiflis--Solar radiation)



CHALOV, A. (g. Tashkent); TSUTSKOV, S.; VASIL'YEV, V. (g. Sverdlovsk);  
GORUNTSEV, F. (g. Sverdlovsk)

Repaired by amateurs. Radio no.5:46 My. '61.      (MIRA 14:7)  
(Radio--Repairing)      (Television--Repairing)

TSUTOVICH, N.

Problems of soil mechanics related to the construction of main walls.  
Tr. from the Russian. p. 51. Vol. 19, No. 1/3, 1956. KOZLEMENYEI.  
Budapest, Hungary.

SOURCE: East European List, (EEAL) Library of Congress Vol. 6, No. 1  
January, 1956.



S/169/62/000/005/047/093  
D228/D307

3.5150

AUTHOR: Tsutskiridze, Ya. A.

TITLE: Albedo of certain cultivated plants and other natural surfaces

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 5, 1962, 18, abstract 5B129 (Tr. Tbilissk. n.-i. gidrometeorol. in-ta, no. 8, 1961, 34-41) ✓/B

TEXT: The work is devoted to determining the albedo of natural surfaces and cultivated plants, characteristic of the climatic conditions of Transcaucasia. Numerous observations over a number of years, carried out by hydrometeorologic stations, and also sporadic observations on the albedo of some cultivated plants have been used for this purpose. A table of albedo values has been compiled, and its data are recommended for use in calculating the actual radiation balance of the corresponding surfaces. [Abstracter's note: Complete translation.]

Card 1/1

MATVEYEV, B.M.; TSUTSKAREV, B.M.

Practice in using the AM-12 aeromagnometer on the nonmagnetic  
schooner "Zaria." Geofiz. prib. no.19:61-75 '64.

(MIRA 1839)

TSUTSKIRIDZE, Ya.A.

Radiation balance of Transcaucasia. Trudy Tsel'nykh nauch. ts. 15:53-75  
'64. (MIRA 18:10)

CSUPSKRIDZE, Ya.A.

Summary radiation in Tiflis. Trudy Tbil.NIGMI no.1:40-47 '56.  
(MLRA 10:2)

(Tiflis--Solar radiation)

RETIVOV, V.; TSUTSKOV, M.

Preventive supervision must be reinstated. Okhr.truda i sots.  
strakh. no.9:17-21 § '59. (MIRA 13:1)

1. Predsedatel' Tsentral'nogo profsoyuza rabochikh mashinostroyeniya  
(for Retivov).
2. Direktor Moskovskogo instituta okhrany truda  
Vsesoyuznogo tsentral'nogo soveta profsoyuzov (for TSutskov).  
(Factories--Design and construction)



L 23512-66

ACC NR: AP600#730

(A)

SOURCE CODE: UR/0356/65/000/011/0051/0053

AUTHOR: Tsutsyev, V. (Chairman)

ORG: Aktyubinsk Regional Administration of the Scientific and Technical Agricultural Society (Aktyubinskoye oblastnoye pravleniye nauchno-tehnicheskogo obshchestva sel'skogo khozyaystva)

15  
B

TITLE: Improving the use of equipment in the winter

SOURCE: Tekhnika v sel'skom khozyaystve, no. 11, 1965, 51-53

TOPIC TAGS: tractor, agricultural machinery, vehicle engineering

ABSTRACT: Suggestions are given for improving the operation of tractors, trucks and agricultural machinery in the winter. More than 2000 tractors and 1000-odd trucks were in operation on farms in the Aktyubinskaya Oblast last winter. Experience at the Yaysanskiy sovkhov showed nearly a triple increase in the use of spare parts during the winter. There is also a drop in the production capacity and efficiency of agricultural equipment during the winter. Recommendations are made for winterizing tractors and trucks. Hot water should be used for warming up the engines where heated garages are not available. The use of heating jackets is recommended. Special winter diesel fuel may be used which is heated to 100°C before priming. When the ambient temperature falls below zero, winter diesel fuel and lubricating oil should be used.

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UDC: 631.37:629.114.2.< 324>

L 23512-66

ACC NR: AP6008730

At temperatures below -10°, 1% tractor kerosene should be added to the diesel fuel for each degree of negative temperature. Under extreme cold conditions, the diesel oil in the crank case should be thinned with winter diesel fuel. This fuel should be added in quantities of 1% for every 3 degrees of negative temperature. The transmission oil should also be thinned with diesel fuel, using 10% more. Orig. art. has: 1 figure.

SUB CODE: 02/

SUBM DATE: 00/

ORIG REF: 000/

OTH REF: 000°

Card 2/2 *DO*

ANGELOVA, A.I., referent; TSUTSUL'KOV, V. Ya., referent

Hydroclones with buffer chamber (from "Mining Magazine" no. 1,  
1957). Biul. TSIIN tsvet. met. no. 7:37-38 '58. (MIRA 11:7)  
(Southern Rhodesia--Ore dressing)  
(Separators (Machines))

TSUTSUL'KOVSKAYA, K.N.

State of the vegetative nervous system in patients with  
climateric neurosis. Akush.i gin. 36 no.4:93-97 JI-Ag '60.  
(MIRA 13:12)  
(CLIMATERIC) (NERVOUS SYSTEM, AUTONOMIC—DISEASES)  
(NEUROSES)

TSUTSULKOVSKAYA, K.N.

USSR/Human and Animal Physiology - General Problems

R-1

Abs Jour : Referat Zhur - Biologii, No 16, 1957, 70385

Author : Tsutsulkovskaya, K.N.

Title : The Change in Skin Sensitivity, Thermoregulation and  
Hydrophilism in Postpartum and Postabortive Infections.

Orig Pub : Poslerodoviye zabolevaniya, L. Medgiz. 1955, 12-29

Abstract : No abstract.

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TSUTSUL'KOVSKAYA, K.N., kand.med.nauk

Novocaine therapy of climacteric neuroses. Sov.med. 25 no.4:79-  
85 Ap '61. (MIRA 14:6)

1. Iz otdeleniya neoperativnoy ginekologii (zav. - prof. S.G. Khaskin) Instituta akuherstva i ginekologii AMN SSSR (dir. - chlen-korrespondent AMN SSSR prof. P.A.Beloshapko), Leningrad.  
(NEUROSES) (NOVOCAINE) (CLIMACTERIC)

TSUTSUL' KOVSKAYA, K.N.

Adequate optic chronaxia in patients with functional uterine  
hemorrhages and climacteric neuroses. Vest.LGU 14 no.3:157-  
160 '59. (MIRA 12:5)  
(CLIMACTERIC) (HEMORRHAGE, UTERINE) (VISION)

TSUTSULKOVSKAYA, K.N.

USSR/Human and Animal Morphology - Blood Circulation.

R-5

Abs Jour : Referat Zhur - Biologii, No 16, 1957, 70670

Author : Tsutsulkovskaya, K.N., Naymark, L.G.

Inst :

Title : Characteristics of the Heart Function in Patients with Postpartum and Post-Abortive Fevers.

Orig Pub : Postpartum illnesses. L. Medgis. 1955, 30-38

Abstract : No abstract.

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TSUTSUL'KOVSKAYA, K. N.

Tsutsul'kovskaya, K. N. "Contemporary trends in the therapy of postnatal diseases", In the collection: Doklady Vsebelorus. resp. soveshchaniya pediatrov i akusherov-ginekologov (28-30 November 1946), Minsk, 1949, p. 135-42.

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

KANEVSKAYA, F.O., TARASOV, G.K., TSUTSUL'KOVSKAYA, M.Ya.

Catamnestic study at a psychoneurological clinic of schizophrenic patients treated with aminazine [with summary in French]. Zhur. nevr. i psikh. 58 no.5:616-624 '58 (MIRA 11:7)

1. Psikhonervrologicheskii dispanser Kuybyshevskogo rayona Moskvy (glavny vrach F.O. Kanevskaya), Institut psikhiatrii (dir. - prof. V.M. Banskchikov) Ministerstva zdravookhraneniya RFSSR, Psikhonevrologicheskaya bol'nitsa No.4 imeni Gannushkina (glavnyy vrach V.M. Ryhalka).

(CHLORPROMAZINE, ther. use.  
schizophrenia (Rus))

(SCHIZOPHRENIA, ther.  
chlorpromazine (Rus))

PAVLOVA, I.V.; TSUTSUL'KOVSKAYA, M.Ya.

Experience in the use of frenolon for the treatment of  
schizophrenia. Zhur. nevr. i psikh. 64 no.1:125-130 '64.  
(MIRA 17:5)

1. Institut psikiatrii AMN SSSR, Moskva.

TSUTSUL'KOVSKAYA, M. Ya.

USSR / Pharmacology. Toxicology. Tranquillizers. V  
Abs Jour : Ref. Zhur - Biologiya, No. 3, 1959, 13770  
Author : Kanevskaya, F.O.; Tarsov, G.K.; Tsutsul'kovskaya,  
M. Ya.  
Inst : -  
Title : Catamnestic Study of Patients with Schizophrenia  
Treated with Aminazine in a Psychoneurologic  
Dispensary.  
Orig Pub : Zh. nevropatol. i psikhatrii, 1958, 58, No. 5,  
616-624  
Abstract : Of 102 patients with schizophrenia, improvement  
of varied degree after treatment with aminazine  
was noted in 93; after 1 month-2 years, remis-  
sion took place in 54 of them. The quality and  
duration of remission depend partially on the

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3

USSR / Pharmacology. Toxicology. Tranquillizers. V

Abs Jour : Ref. Zhur - Biologiya, No. 3, 1959, 13770

the duration of treatment. The length of the disease influences only the quality of remissions but not their frequency. The types of remissions after aminazine therapy are the same as in spontaneous remissions. With supporting therapy, remissions took place in 7 out of 21 patients. --  
G. V. Stolyarov

Card 2/2

ZAK, N.N.; ZELEVA, M.S.; KANEVSKAYA, F.O.; LEVIT, V.G.; SAMIER,  
N.F.; TSUTSUL'KOVSKAYA, E.Ya.; FEDOTOV, D.D., prof., otv.  
red.: ROKHLIN, L.L., prof., red.; RAVKIN, I.G., prof.,  
red.

[Supporting therapy with neuroleptic agents of schizophrenics;  
methodological materials] Podderzhivaiushchaia terapiia neuro-  
lepticheskimi sredstvami bol'nykh shizofreniei; metodiche-  
skie materialy. Pod red. L.L.Rokhlina i I.G.Ravkina Moskva,  
1961. 64 p. (MIRA 15:10)

1. Moscow. Gosudarstvennyy nauchno-issledovatel'skiy institut  
psikhiatrii. 2. Direktor Gosudarstvennogo nauchno-issledova-  
tel'skogo instituta psikhiatrii Ministerstva zdravookhraneniya  
RSFSR (for Fedotov).

(Autonomic drugs)

(Schizophrenics--Care and treatment)

FEDOTOV, D.D., prof., otv. red.; ROKHLIN, L.L., prof., zam. otvet. red.;  
TARASOV, G.K., dots., red.; AVRUTSKIY, G.Ya., red.; BORINEVICH,  
V.V., red.; ZAK, N.N., red.; ZELEVA, M.S., red.; RAVKIN, I.G., red.;  
REMEZOVA, Ye.S., red.; TSUTSUL'KOVSKAYA, M.Ya., red.; ENTIN, G.M.,  
red.; BORINEVICH, V.V., otv. za vypusk

[Modern methods of treating mental illness; methodological  
materials for aiding the practicing physician]Sovremennye metody le-  
cheniia psikhicheskikh zabolevani; metodicheskie materialy v po-  
moshch' prakticheskomu vrachu. Pod red. L.L.Rokhlina i G.K.Taraso-  
va. Moskva, 1961. 67 p. (MIRA 15:1)

1. Moŕcow. Gosudarstvennyy nauchno-issledovatel'skiy institut psikhi-  
atrii.

(MENTAL ILLNESS) (PSYCHOPHARMACOLOGY)

*TSUTSUL'KOVSKAYA, M. Ya.*  
TSUTSUL'KOVSKAYA, M. Ya., kand.med.nauk

Clinical aspects and legal psychiatric interpretation of early  
forms of syphilis of the brain. Probl.sud.psih. 7:255-267 '57.  
(BRAIN--SYPHILIS) (MIRA 10:11)  
(PSYCHOSES)



KANEVSKAYA, F.O.; TARASOV, G.K.; TSUTSULKOVSAYA, M. Ya.

Support therapy with neuroleptic preparations in a psychoneurological clinic. Zhur. nerv. i psikh. 60 no. 2:242-247 '60. (MIRA 14:4)

1. Psikhonevrologicheskiy dispanser Kuybyshevskogo rayona Moskvy (glavnyy vrach F.O. Kanevskaya), Institut psikhiatrii (dir. - prof. V.M. Banskchikov) Ministerstva zdravookhraneniya RSFSR, Psikhonevrologicheskaya bol'nitsa No.4 imeni Gannushkina (glavnyy vrach V.N. Rybalka).

(TRANQUILIZING DRUGS) (MENTAL ILLNESS)

TSUTSUMANOV, T.

Тсутсуманов, Т. Jet airplane. p. 25. BULGANSKI VOEN. Sofiya.  
Vol. 4, no. 5, May 1955.

SO: Monthly List of the East European Accession (EMAL) LC. Vol. 4,  
no. 10, Oct. 1955. Uncl.

1. KAMALOV, N. G.-Prof., TSUTSUMAVA, M. N.
2. USSR (600)
4. Hookworm Disease
7. One clinical symptom of ancylostomiasis. Sov. med. 16, no. 10, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January, 1953. Unclassified.

SIMONGULOV, V.A.; TSUTSUNAVA, M.N.; GEGIYA, T.N.

Changes in the internal organs during acute poliomyelitis.  
Trudy Tbil. GIDUV 6:173-177 '62. (MIRA 16:2)  
(POLIOMYELITIS) (VISCERA--DISEASES)

TSUTSUNAVA, N. N., Cand Biol Sci (diss) -- "Medicinal plants; Based on material from some ancient Georgian manuscripts". Tbilisi, 1960, published by the Tbilisi University. 37 pp (Tbilisi State U im Stalin), 150 copies (KL, No 12, 1960, 126)

TSUTSUNAVA, T.N.

"On leucocyte blood charts in exanthematous typhoid", author. M.A. Yasinovskiy, V.A. Nemsadze, T.N. Tsutsunava, and M.M. Makaridze, Vracheb. delo, 1949, No. 1, paragraphs 45-48.

SO: U-3042, 11 March 53, (Letopis 'nykh Statey, No. 9, 1949)

TSUTSUNAVA, T.S.

Asymptotic representation of the solution of Cauchy's problem  
for a linear system of hyperbolic partial differential equations  
at large parametric values. Trudy Vych.tsentra AN Gruz.SSR  
2:245-256 '62. (MIRA 16:1)  
(Differential equations, Partial)





a-4

ZUVERKALOV, D. A.

Influence of the character of the diet on the oxidation of benzaldehyde in the rabbit. D. A. ZUVERKALOV (Ber. Ukrain. Biochem. Inst., 1930, 4, 174-185). The excretion of BaOH by rabbits ceases when they are on an acid but increases on an

alkaline diet. The oxidation of PhCHO to BaOH and the excretion of hippuric acid (I) are independent of the acid or basic character of the diet, except that acid diets somewhat decrease the synthesis of (I). W. O. K.

B - III - 4

TSUBERKALOV, D. A.

В С

Vitamin C content of ascorbic acid, D. ZVEREVICH and P. KUMAR (Ukrain. Biochem. J. 1932, 6, 125-126).  
 --Men on a diet containing sauerkraut, but otherwise lacking in vitamin C, do not develop scurvy. The highest content of C is in the juice. W. O. K.

ASD-55A METALLURGICAL LITERATURE CLASSIFICATION

SEARCHED INDEXED SERIALIZED FILED

APR 1964

U.S. DEPARTMENT OF COMMERCE

U.S. NATIONAL BUREAU OF STANDARDS

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

1ST AND 2ND INDEXES      PROCESSES AND PROPERTIES INDEX      3RD AND 4TH INDEXES

TSUVERKALOV, D. A. 112

*ca*

Influence of the character of the diet on the oxidation of benzaldehyde in the rabbit. D. A. Zverkalov. *Ber. Ukrain. Biochem. Inst.* 4, 174-85 (1945). The excretion of BaOH by rabbits ceases when they are on an acid but increases on an alk. diet. The oxidation of BaH to BaOH and the excretion of lactic acid (L) are independent of the acid or basic character of the diet, except that acid diets somewhat decrease the synthesis of T. B. C. A.

COMMON SUBJECT INDEX

A 54.514 METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND INDEXES      3RD AND 4TH INDEXES

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

1ST AND 2ND (ROES)

PROCESSES AND PROPERTIES INDEX

COMMON ELEMENTS

MATERIALS INDEX

ca

The proteolytic characteristics of *Bacillus anthracis*. I.  
 D. J. Traverkalov and V. M. Krawov. *J. Microbiol.,  
 Epidemiol. Immunobiol.* (U.S.S.R.) 14, 123-8 (in German  
 128) (1973). --The decompn. of casein by anthrax strains  
 is the more marked the greater the virulence of the strain.  
 The growth characteristics of the virus on casein have none  
 of the growth characteristics of the vaccine. The virus  
 rapidly destroys casein, but after growth for 24 hrs. there  
 is no further decompn. of albumin. The vaccine decomi-  
 poses albumin much more slowly and to a lesser extent.  
 The decompn. of serum pseudoglobulin follows the same  
 course but to a lesser degree. The intensity of albumin  
 splitting is dependent upon the  $pH$ , the strongest splitting  
 occurring in the neutral zone. No  $NH_2$  groups were  
 found in the residual N. S. A. Karjala

11c

ASTM - S.L.A. METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND CROSS

3RD AND 4TH CROSS

5TH AND 6TH CROSS

7TH AND 8TH CROSS

9TH AND 10TH CROSS

11TH AND 12TH CROSS

13TH AND 14TH CROSS

15TH AND 16TH CROSS

17TH AND 18TH CROSS

19TH AND 20TH CROSS

21ST AND 22ND CROSS

23RD AND 24TH CROSS

25TH AND 26TH CROSS

27TH AND 28TH CROSS

29TH AND 30TH CROSS

31ST AND 32ND CROSS

33RD AND 34TH CROSS

35TH AND 36TH CROSS

37TH AND 38TH CROSS

39TH AND 40TH CROSS

41ST AND 42ND CROSS

43RD AND 44TH CROSS

45TH AND 46TH CROSS

47TH AND 48TH CROSS

49TH AND 50TH CROSS

51ST AND 52ND CROSS

53RD AND 54TH CROSS

55TH AND 56TH CROSS

57TH AND 58TH CROSS

59TH AND 60TH CROSS

61ST AND 62ND CROSS

63RD AND 64TH CROSS

65TH AND 66TH CROSS

67TH AND 68TH CROSS

69TH AND 70TH CROSS

71ST AND 72ND CROSS

73RD AND 74TH CROSS

75TH AND 76TH CROSS

77TH AND 78TH CROSS

79TH AND 80TH CROSS

81ST AND 82ND CROSS

83RD AND 84TH CROSS

85TH AND 86TH CROSS

87TH AND 88TH CROSS

89TH AND 90TH CROSS

91ST AND 92ND CROSS

93RD AND 94TH CROSS

95TH AND 96TH CROSS

97TH AND 98TH CROSS

99TH AND 100TH CROSS

PROCESSED AND PROPERTY INDEX

DEPENDENCE OF BACTERIAL GROWTH ON THE NATURE OF THE NITROGEN-CONTAINING CONSTITUENTS OF THE MEDIUM. D. A. ISYERBALOY AND V. M. KRASOV. *BIOKHIMIYA* 1, 295-300 (1930).—Bacteria of the paratyphoid group, which have only weak proteolytic activity, grow feebly in media containing pure protein but vigorously when the protein is hydrolyzed. (U. S. A.)

(Biochemistry Lab., All-Union Inst. of Experimental Veterinary, Moscow)

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

E-2



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44

PROCESSES AND PROCEDURES INDEX

CA

110

The nature of substances provoking the Shwartzman reaction. D.-Tsuverkalov and A. Voloskova. *Z. Microbiol. Epidemiol. Immunitätsforsch.* (U. S. S. R.) 17, 854-60 (in German 860)(1938).—*B. paratyphi abortus equi* provokes a local skin reaction. The filtrate of *B. mallei* shows a reaction after 4 days' growth, and is very active after 2 weeks. The fats, prolamine and lipoids of the

COMMON ELEMENTS

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ASB-3LA METALLURGICAL LITERATURE CLASSIFICATION

INDEXES

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44





PROCESSES AND PROPERTIES INDEX

C-2

*BC* TSUVERKALOV, D. A.

103. Gasometric determination of arginine and other guanidine \*  
 derivatives. D. A. Tsuverskalov (Doklady, 1944, B. 101-103).--  
 The method depends on the liberation of N from the guanidino-group  
 of arginine by NaOH and may be applied to various derivatives of  
 guanidine. H. U. R.

\*Tashkent Pharmaceutical Inst.

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

AUTHOR INDEX

SUBJECT INDEX

PROCESSING AND PROPERTY NOTES

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**CA**

**Gasometric determination of arginine in the presence of urea and ammonium salts** U. Tsvetkov and T. Bogomolova. *Doklady Akad. Nauk SSSR* 13, 426 (1948); cf. C. I. 39, 251. When a soln. of arginine (I) is treated with HNO<sub>3</sub>, according to Van Slyke, only the α-amino N is removed; when NaOBr is used, 2 atoms of N from the guanidine residue are removed. To det. I in the presence of urea and NH<sub>4</sub> salts, the soln. (which must not contain more than 2 mg. urea/ml.) is boiled for 15 min. with HNO<sub>3</sub> (NaNO<sub>2</sub> and HOAc). The urea and the NH<sub>4</sub> salts are thereby completely destroyed. The soln. is then treated with NaOBr. Now, however, after the HNO<sub>3</sub> treatment, only 1 atom of N is removed, instead of the 2 atoms that are removed when no HNO<sub>3</sub> is used. The result is therefore multiplied by 2. Possibly, the HNO<sub>3</sub> combines with some of the N in the guanidine residue of I to yield nitroso groups which are not attacked by NaOBr to give gaseous N. When a guanidine salt is first treated with HNO<sub>3</sub> and then with NaOBr, the amt. of N evolved is not diminished by the pretreatment.

H. Priestley

Chair Inorganic Chem., Odessa Med. Inst.

METALLURGICAL LITERATURE CLASSIFICATION

FROM STEINBERG

SECTION 447 ONY 081

SUBSECTION

SECTION 447 ONY 081

113

CA

Colorimetric determination of histidine. D. A. Tsuverkalo and M. A. Torban (Med. Inst., Odessa). *Biokhimiya* 16, 70-80 (1931). --The Kapeller-Adler method for the detn. of histidine (C.A. 27, 5360) is modified by generating Br from KBr, and by replacing the  $\text{NH}_4\text{OAc}$  with  $\text{NH}_4\text{Cl}$ . Thus, to 2 ml. of histidine-HCl (4 mg.) add 0.1 ml. 10%  $\text{H}_2\text{SO}_4$ , 1 ml. 10% KBr, and 0.5 ml. 0.1 N  $\text{KMnO}_4$ . The mixt. is allowed to stand at room temp. for 10 min., treated with 2 ml. of 10%  $\text{NH}_4\text{Cl}$  and 1 ml. 10% NaOH, and then heated at  $80^\circ$  for 3 min. The violet color in the cold mixt. is suitable for colorimetric comparison. Org. solvents like  $\text{C}_2\text{H}_5\text{N}$  and  $\text{Me}_2\text{CO}$ , which interfere when the histidine

Aromatization is carried out by the Kapeller-Adler procedure. may be present here. Hence, by extn. with  $\text{C}_2\text{H}_5\text{N}$  (Riegert, C.A. 34, 10444), histidine can be detd. in biol. materials. For the detn. of histidine in urine, add 0.2 ml.  $\text{C}_2\text{H}_5\text{N}$  to 8 ml. urine, and treat with activated C (amt. not important). After 20-30 min., remove the C by centrifugation. To 2 ml. of the colorless soln., add 0.1 ml. 54%  $\text{H}_2\text{SO}_4$ , 1 ml. 10% KBr, 0.5 ml. 0.1 N  $\text{KMnO}_4$ , and let stand 10 min. Add 2 ml. 10%  $\text{NH}_4\text{Cl}$  and 0.5 ml. 27% NaOH. Heat on the water bath for 3 min. Compare the violet color with a standard soln. of histidine contg. 2%  $\text{C}_2\text{H}_5\text{N}$ . Histidine in protein hydrolyzates can be similarly detd. H. P.

Dept. of Biochem., Odessa Med. Inst.  
+ Lab. of Immunochem., Odessa Inst. Epidemiol. & Microbiol.

1951

L 47358-66 EWT(m)/EWP(j) RM  
ACC NR: AF6030553 (AW) SOURCE CODE: UR/0413/66/000/016/0033/0033

INVENTOR: Tsvanger, T. A. ; Rostunov, V. F. ; Golovnya, B. A. ; Turetskaya, R. A. ; Golubtsov, S. A. ; Layner, D. I. ; Malysheva, L. A. ; Komrakova, V. V. ; Yezerets, M. A. ; Maslyukov, A. I. ; Nastasin, A. A.

ORG: none

TITLE: Method of obtaining phenylchlorosilane. <sup>1</sup> Class 12, No. 184855, <sup>5</sup>  
[announced by State Scientific Research Institute of State Design and Planning Scientific Research for the Processing of Nonferrous Metals (Gosudarstvennyy nauchno-issledovatel'skiy institut "Giprotsvetmetobrabotka")]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 16, 1966, 33

TOPIC TAGS: phenylchlorosilene, chlorobenzene

ABSTRACT: An Author Certificate has been issued for obtaining phenylchlorosilanes by the reaction of chlorobenzene with the silicon-copper contact mass in the presence of an activator. To raise the yield of diphenyldichlorosilane and to

Card 1/2

UDC: 547.419.5.07

L 47358-66

ACC NR: AP6030558

→ increase the efficiency of the process, zinc oxide, in amounts up to 4%, is used  
as the activator. [Translation] [NT]

SUB CODE: 11/ SUBM DATE: 01Dec64/

Card 2/2 mt

TSUVERKALOV, D. A.

"Investigation of the Allergic Principle of Brucella Cells", Ukr Biokhim Zhur  
Vol. 23, No. 1, pp 31-37, 1951.

PA 241T6

TSUVERKALOV, D. A.

USSR/Medicine - Brucellosis

Feb 51

"Antigenic Structure of Bacteria of the Brucella Species," Prof D. A. Tsuverkalov, Head, Chair of Biochem, Odessa Med Inst

"Visnik Akad Nauk Ukrain RSR" Vol 23, No 2, p 73

Reports results achieved in investigating the fundamental properties of protein fractions isolated from brucellae cells. Established that the antigenic properties of the proteins in question depend not only on their structure, but also on the size of the mols. Demonstrated that the pely-saccharide from brucellosis bacteria is of great practical value for diagnosing brucellosis.

241T6

TSUVERKALOV, D.A.

Peroral immunization of animals with brucella antigen; author's abstract. Zhur. mikrobiol. epid. i immun. no.11:67-68 N '54.  
(MLRA 8:1)

1. Iz kafedry biokhimi Odesskogo meditsinskogo instituta.  
(BRUCELLOSIS, prevention and control,  
vacc., peroral, in animals)  
(VACCINES AND VACCINATION,  
brucellosis vacc., peroral, in animals)



KOROVITSKIY, L.K.; TSUVERKALOV, D.A.; ZARETSKAYA, I.V.; DOROSHENKO, K.G.;  
TATOMIR, L.G.

Skin allergy test in dysentery and its diagnostic significance.  
Zhur. mikrobiol. epid. i immun. no.12:76-81 D '54. (MLRA 8:2)

1. Iz kliniki infeksionnykh bolezney (zav. prof. L.K.Korovitskiy)  
i kafedry biokhimii (zav. prof. D.A.TSuverkalov) Odesskogo meditsin-  
skogo instituta imeni N.I.Pirogova (dir. I.Ya.Diyneka)

(DYSENTERY, diagnosis,  
allergic skin test)

(ALLERGY, diagnosis,  
skin tests, diag. value in dysentery)

TSUVERKALOV, D.A., professor, doktor biologicheskikh nauk.

On the problem of the nature of brucellosis serum antibodies. Sbor.  
trud. Khar'. vet. inst. 22:218-222 '54. (MIRA 9:12)

1. Kafedra biokhimii Odesskogo meditsinskogo instituta imeni N. I.  
Pirogova.

(Antigens and antibodies) (Brucellosis)

*TSUVERKALOV, D.A.*  
TSUVERKALOV, D.A.; ROZANOV, A.Ya.

Requirement and biosynthesis of vitamin C in anesthesia. Ukr.  
biokhim.zhur.27 no.2:193-196 '55. (MLRA 8:10)

1. Kafedra biokhimii Odesskogo meditsinskogo instituta im. N.I.  
Pirogova.

(ANESTHESIA, effects,  
on vitamin C biosynthesis & requirement in)  
(VITAMIN C, metabolism,  
biosynthesis & requirement in anesth.)

GORCHAKOVA, G.A.; ZARETSKAYA, I.V.; TSUVERKALOV, D.A.

Biological characteristics of Flexner-Hiss dysentery bacteria  
polysaccharide. Vrach. delo no.2:197-198 P '56. (MLBA 9:7)

1. Kafedra biokhimii (zaveduyushchiy professor D.A.TSuverkalov)  
Odesskogo meditsinskogo Instituta.  
(SHIGELLA PARADYSINTEIAE)

TSIVERKALOV, D.A.

KOROVITS'KIY, L.K.; TSUVERKALOV, D.A.; DOROSHENKO, K.G.; ZARETS'KA, I.V.

Using the allergy skin test for diagnosing dysentery. Report no.2.  
Mikrobiol.zhur. 18 no.1:34-40 '56. (MLRA 9:7)

1. Z Odes'kogo derzhavnogo medichnogo institutu imeni M.I.Pirogova.  
(DYSENTERY--DIAGNOSIS) (ALLERGY)

**TSUVERKALOV, D.A.; ZARETSKAYA, I.V.**

Intradermal allergy tests in rabbits sensitized with *Shigella*  
dysenteriae. *Zhur. mikrobiol., epidem. i immun.* 27 no.3:21-22  
Mr' 56. (MLBA 9:?)

1. Iz Odesskogo meditsinskogo instituta imeni N.I.Pirogova.  
(DYSENTERY, BACILIARY, immunology,  
intradermal allergic test in rabbits sensitized with  
*Shigella dysenteriae* (Rus))

USSR/Human and Animal Physiology (Normal and Pathological)  
Metabolism. Vitamins.

T

Abs Jour : Ref Zhur Biol., No 6, 1959, 26305

pigs and rats in order to discover the final products of I decay and excretion with urine of sulphates, neutral S and unchanged I was studied. It was determined that basically sulphates are excreted. One of the ways of irreversible decomposition of  $D_1$  in the organism begins with their resulfonation reaction, as a result of which sulphur  $D_1$  is transferred to amino-acids which later oxidize to sulphates. -- A.O. Natanson

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TSUVERKALOV, D.A.; KHRANOV, V.M.

New method for determining polysaccharides in human blood serum  
Vrach.delo no.9:983-985 S '57. (1956 10:9)

1. Propedevticheskaya terapevticheskaya klinika (zav. - prof.  
TS.A.Ievins) i kafedra biokhimii (zav. - prof. D.A.Tsuverkalov)  
Odesskogo meditsinskogo instituta  
(POLYSACCHARIDES) (SERUM)

TSUVERKALOV, D.A., prof.

Concerning the book "Laboratory examination methods in veterinary practice." Veterinaria 35 no.9:88-89 S '58. (MIRA 11:9)  
(Veterinary medicine)

TSUVERKALOV, D.A., prof.

Specificity and activity of brucellohydrolyzate and its biochemical nature. Veterinariia 36 no.6:21-24 Je '59,  
(MIRA 12:10)

1. Odesnkiy meditsinskiy institut.  
(Brucella) (Antigens and antibodies)

TSUVERKALOV, D. A. *5/27 -*

"Activation with bacterial albumen the immune state of animals in the case of brucellosis."

Veterinariya, Vol. 37, No. 4, 1960, p. 31

GORCHAKOVA, G.A. [Horchakova, H.O.]; TSUVERKALOV, D.A. [TSuverkalov, D.O.]

Decomposition of dysenterial bacteria under various conditions of acidic hydrolysis. Mikrobiol. zhur. 23 no.6:41-45 '61. (MIRA 15:4)

1. Odesskiy gosudarstvennyy meditsinskiy institut, kafedra biokhimi.  
(SHIGELLA DYSENTERIAE) (HYDROLYSIS)

TSUVERNALOV, D.A.

Experience in the isolation and study of the allergenic principle of dysentery bacteria. Zhur.mikrobiol.epid.i immun. 32 no.1:85-89 Ja '61. (MIRA 14:6)

1. Iz Odesskogo meditsinskogo instituta imeni Pirogova. (SHIGELLA PARADYSENTERIAE)

AKULOVA, M.F.; PANKOVA, G.Ye. mladshiy nauchnyy sotrudnik; TSUVERKALOV, D.A.,  
prof.; LEONT'YEV, A.I.; POLYAKOV, D.K., kand.veter. nauk

Laboratory practice. Vete inaria 40 no.5:58-71 My '63. (MIRA 17:1)

1. Rostovskiy --na--Donu gosudarstvennyy nauchno-issledovatel'skiy protivochumnyy institut (for Akulova). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut veterinarnoy virusologii i mikrobiologii (for Pankova, TSuverkalov). 3. Vsesoyuznyy nauchno-issledovatel'skiy institut veterinarnoy sanitarii (for Polyakov).

L 31332-66 EWT(1)/T JK

ACC NR: AP6022579

(A, N)

SOURCE CODE: UR/0346/66/000/001/0013/0016

AUTHOR: Revenkov, A. G.; Govorova, S. V.; Tsuverkalov, D. A.

ORG: All-Union Scientific Research Institute of Veterinary Virology and Microbiology  
(Vsesoyuznyy nauchno-issledovatel'skiy institut veterinarnoy virusologii i mikro-biologii)

TITLE: Effect of enrichment of Frenkel's medium on reproduction of foot-and-mouth disease virus

SOURCE: Veterinariya, no. 1, 1966, 13-16

TOPIC TAGS: foot and mouth disease, virus, vaccine, virology, biochemistry, amino acid

ABSTRACT: The effect of a high glucose content in Frenkel's medium on production of the foot-and-mouth disease virus was studied in an effort to obtain a titer high enough (above 6 lg ID<sub>50</sub>/ml) to obtain vaccine. Frenkel's medium (glucose 100 mg/l, arginine 50 mg/l, and cysteine 125 mg/l) and six enriched modifications were used. To the second and third, 200 and 400 mg/l of glucose were added, respectively; to the fourth, 100 mg/l of arginine; to the fifth, 250 mg/l of cysteine; to the sixth, 100 mg/l of arginine and 200 mg/l of glucose; and to the seventh, 200 mg/l of glucose, 100 mg/l of arginine and 250 mg/l of cysteine. Two strains of Type 0 of the virus

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UDC: 619:616.988.43-093.35

0975

0594



L 31332-66

ACC NR: AP6022579

were used one adapted to an explant of cattle tongue epithelium, and the other a strain used for commercial production. It was found that the degree of glucose assimilation in Frenkel's medium with an explant of cattle tongue epithelium was higher in the culture infected with foot-and-mouth disease virus than in the non-infected culture. Increasing the concentration of glucose did not affect the degree of glycolysis whether the virus was present in the culture or not. Most intensive glucose and amino acid metabolism was observed in the first hours of cultivation (up to 20); then the rate of biochemical processes associated with conversion of these substances (glycolysis, deamination, etc.) declined. Orig. art. has: 4 figures and 2 tables. [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 002 / OTH REF: 008

Card 2/2 JCS

TSUVERKALOV, D.A.; REVENKOV, A.G.

Interference between foot-and-mouth disease and hog cholera viruses  
in vivo. Veterinariia 41 no.9:17-20 S '64. (MIRA 1844)

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

VASIL'KOV, G.V.; SPIROV, G.A.; DZHANOV, A.; SENNIKOV, M.I.;  
SELYUCHENKO, A.; DEKANOV, I.; RAKHMATULLIN, M.G.; EYSMONT, V.V.;  
KOSOVER, S.I.; TSUVERKALOV, D.A.; LESHKOV, B.G.

Information and brief news. Veterinaria 38 no.9:90-96  
S '61. (MIRA 16:8)

*TSVELODUB, B.I.*

SAATCHYAN, G.G., kand. tekhn. nauk; TSVELODUB, B.I., inzh.

Results of the conference on mechanized soil compaction in construction. Transp. stroi. 7 no.12:24-25 D '57. (MIRA 11:2)  
(Earthwork)