

VORONIN, Vladimir Vasil'yevich

Gribnyye i bakterial'nyye bolezni tsitrusov [Fungoid and Bacterial Diseases of Citrus Plants], Moscow-Leningrad, 1937.

VORONIN, Vladimir Vasil'yevich

Tastitel'nyy mir okeana [Oceanic Plant Life], Moscow-Leningrad, 1945.

VORONIN, Vladimir Vasil'yevich

Rukovodstvo patologicheskoy fiziologii [A Manual of Pathological Physiology],
Parts 1-2, Tbilisi, 1947-48.

VORONIN, Vladimir Vasil'yevich

"Algae", in the book: Zhizn' presnykh vod SSR [Life in the Fresh Waters of the USSR] edited by V. I. Zhadin, Vol w, Moscow-Leningrad, 1949 (jointly with Ye. V. Shlyapina).

VOBONIN, V. V.

Skin temperature and heat emission. Arkh. pat., Moskva 14 no. 2:
90-91 Mar-Apr 1952. (CJML 22:5)

1. Professor. 2. Tbilisi.

VORONIN, V.V.

⁶
O.O.Bohomolets's works on hemodynamics. Fiziol.zhur. (Ukr.) 2 no.3:
29-30 My-Je '56. (MLBA 9:10)

1. Akademiya nauk Gruzins'koi RSR.
(BOHOMOLETS, OLEKSANDR OLEKSANDROVICH, 1881-1946)
(BLOOD PRESSURE)

VORONIN, V. V.; TATISHVILI, I. Ya.; DZHORBENADZE, A. V.

Valdimir Kaplanovich Zhgentin; 60th anniversary of his birth and 35th anniversary of his scientific, pedagogic, and organizational activities. Arkh. pat., Moskva 14 no.3:99-101 May-June 1952. (CIME 23:2)

1. Zhgentin is Head of the Department of Pathological Anatomy at Tbilisi Medical Institute. Also is Professor, Honored Worker in Science, and Active Member of the Academy of Sciences Georgian SSR.

VORONIN, V. V.; История, 1. 40.; —————, 1952, 14

Ahgenti, Vladimir Kaplanovich, 1892-

Vladimir Kaplanovich Ahgenti; 60th anniversary of his birth and 35th anniversary of his scientific pedagogic, and organizational activities. Arkhiv pat. 14 No. 3, 1952.

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

VORONIN, V.V.

Histology of connective tissue in peripheral nerve. Trudy Inst.
fiziol. AN Gruz, SER 9:183-190 '53. (MLRA 8:9)
(NERVES, anatomy and histology,
connective tissue)
(CONNECTIVE TISSUE,
in nerve fiber)

VORONIN, V.V.

Skin temperature in heat transfer. Trudy Inst.fiziol. AN Gruz.SSR
9:191-200 '53. (MLHA 8:9)

(SKIN , physiology,
temperature, in heat transfer)
(BODY TEMPERATURE,
skin temperature in heat transfer)

VORONIN, V.V.; KUPARADZE, M.R.

Studies on changes in nerve fibers in neuritis and following section
and compression of nerves. Trudy Inst. fiziol. AN Grus SSR 10:265-272
'56. (MIRA 12:7)

(NERVES, physiology,
eff. of compression, inflamm. & section in animals (Rus))

VORONIN, V.V.

Neurohumoral regulation of mechanisms of the inflammatory process.

Trudy Inst. fiziol. AN Gruz. SSR 10:273-280 '56 (MIRA 12:7)

(INFLAMMATION, physiology,
neurohumoral factor (Rus))

(NERVOUS SYSTEM, in various diseases,
neurohumoral factor in inflamm. (Rus))

VORONIN, V.V.; KUPARADZE, M.R.

Changes in the nerve fiber during excitation. Nauk zap. Kyiv. un.
16 no.17:49-52 '57. (MIRA 13:2)

(NERVES)

VORONIN, Vladimir Vasil'yevich

[Inflammation] Vospalenis. Izd.2., perer. i dop.
Izd-vo Akad.nauk Gruzinskoi SSR, 1959. 157 p.
(INFLAMMATION)

Tbilisi,
(MIRA 13:8)

VORONIN, V.V., prof. pochetnyy akademik (Tbilisi)

Regulation of physiological processes. Arkh.pat. 21 no.5:3-12 '59.
(MIRA 12:12)

1. AN Gruz SSR. Iz patofiziologicheskogo otdeleniya Instituta fiziologii
im. I.S. Beritashvili AN Gruz SSR..

(PHYSIOLOGY,
regulation of physiol. processes (Rus))

VORONIN, Vladimir Vasil'yevich, prof.; KUPARADZE, Marina Rashdenovna, kand.med.nauk; TOTIBADZE, Nana Konstantinovna, nauchnyy sotrudnik; ROYTRAK, A.I., doktor biolog.nauk, red.; MINUA, K.V., red.izd-va;

[Myelinic nerve fiber; its structure and changes under the influence of various agents] Mielinovos nervnoe volokno; ego stroenie i izmeneniia pod vlianiem raznykh vozdeistvii. Tbilisi, Izd-vo Akad.nauk Gruzinskoi SSR, 1960. 51 p.

(MIRA 14:4)

1. Pochetnyy chlen Akademii nauk Gruzinskoy SSR (for Voronin).
(NERVES--ANATOMY)

ROZHKOVA, V.; VORONIN, Ys.

An action prompted by life itself. Rabotnitsa 37 no.4:14 Ap '59.
(MIRA 13:1)

1.Sotrudniki Nauchno-issledovatel'skogo instituta truda.
(Machine tools)

SMOL'YANINOV, S.I., kand.tokhn.nauk; VORONIN, V.Ye., inzh.

Manufacture of peat thermobriquets under high heating rate
conditions. Torf.prom. 39 no.4:26-30 '62. (MIRA 15:7)

1. Tomskiy politekhnicheskii institut.
(Briquets (Fuel))
(Pyrolysis)

VORONIE, Ye.N.

Device for closing the seam of the body of a storage tank made
on a roller machine. Rats. i isobr. predl. v stroi. no.113:20-22
'55. (Tanks) (MLRA 9:4)

VORONIN, Ye.

Comparative analysis of labor consuming work on similar products.
Sots.trud no.9:82-88 S '57. (MLRA 10:9)
(Instrument industry--Production standards)

VORONIN, Ye.

Comprehensive mechanization and the organization of labor. Sots.
trud no.5:51-59 '58. (MIRA 11:6)
(Machinery industry)

VORONIN, Ye.

~~Improving work organization in the machinery industry. Sots.trud~~
4 no.6:55-63 Je '59. (MIRA 12:8)
(Machinery industry)

VORONIN, Ye.

Work mechanization problems in the machinery industry. Sots. trud. 5
no.12:52-62 D '60. (MIRA 14:6)
(Machinery industry)

VORONIN, Yevgeniy Petrovich; MYAGKOV, M.M., red.; GOLICHENKOVA, A.A.,
tekh.n.red.

[Over-all mechanization of an enterprise] Kompleksnaia mekhani-
zatsiia truda na predpriatii. Moskva, Izd-vo VTsSPS, 1959.
70 p. (MIRA 12:12)

(Yaroslavl--Machinery industry)
(Efficiency, Industrial)

VORONIN, Ye.P.

Organization of work in machinery manufacturing where the over-all
mechanization and automation of production processes are in effect.
Nauch.trudy MIEI no.18:237-252 '61. (MIRA 15:2)
(Machinery industry) (Automation)

PETROCHENKO, P.F., kand.ekon.nauk; VORONIN, Ye.P.; ROZHKOVA, V.V.; POPKOV, L.V.;
PRIGARIN, A.A.; KAPLAN, I.I.; RYSS, V.M.; EKHN, P.E.; KULAGIN,
N.N.; VASIL'YEV, V.F.; LISOV, V.Ye., red.; PONOMAREVA, A.A.,
tekh. red.

[Organization of work and establishing work norms in industrial
enterprises] Organizatsiia i normirovanie truda na promyshlennykh
predpriatiakh. Pod obshchei red. P.F.Petrochenko. Moskva, Izd-
vo ekon.lit-ry, 1962. 285 p. (MIRA 15:4)

1. Moscow. Nauchno-issledovatel'skiy institut truda.
(Production standards)

VORONIN, Ye.S.;KHOKHLOV, R.V.

Synchronization of oscillators by radio pulses with sloping edges.
Radiotekh. i elektron. 1 no.1:79-87 Ja '56. (MIRA 9:11)
(Oscillators, Electric)

KRAVCHENKO, A. T.; AL'SHTEYN, A. D.; VORONIN, Ye. S.

"Interferentsiya mezhdru virusami grippa i sarkomy ransa in vivo."

report presented at Symp on Virus Diseases, Moscow, 6-9 Oct 64.

Gosudarstvennyy kontrol'nyy institut im L. A. Tarasevicha, Moskva.

VORONIN, Ye.S., nauchnyy sotrudnik; SHUPLIKO, A.N., mladshiy nauchnyy
sotrudnik; KHARLAMOV, K.M., veterinarnyy vrach

Phagoprophylaxis and phagotherapy of toxic dyspepsia in calves.
Veterinariia 41 no.2:70-72 F '64. (MIRA 17:12)

1. Gosudarstvennyy kontrol'nyy institut imeni Tarasevicha (for Voronin).
2. Gosudarstvennyy nauchno-kontrol'nyy institut Ministerstva sel'skogo khozyaystva SSSR (for Shupliko).
3. Sovkhoz "Ramenskoye", Moskovskoy oblasti (for Kharlamov).

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CIA-RDP86-00513R001860910016-9

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R001860910016-9"

VORONIN, Ye.S.; GAVRILOV, V.I.

Study of the role of *Proteus vulgaris* in the etiology of acute gastrointestinal diseases in monkeys. Zhur. mikrobiol.; epid. i immun. 41 no.6:102-106 Je '64. (MIRA 18:1)

1. Gosudarstvennyy kontrol'nyy institut imeni Tarasevicha.

BUROVA, A.V.; VORONIN, Yu.A.; GEL'CHINSKIY, B.Ya.; MANUKHOV, A.V.;
PETRASHEN', G.I., red.; VOLKHOVER, R., tekhn.red.

[Materials on a quantitative study of seismic wave dynamics] Materialy kolichestvennogo izucheniia dinamiki seismicheskikh voln. Pod rukovodstvom i red. G.I.Petrashen'. Leningrad, Izd-vo Leningr. univ. Vol.3.[Atlases of graphs representing moduli and arguments of complex reflection-refraction coefficients of elastic waves, directivity functions of basic point sources, coefficients of reflection from a diurnal surface, coefficients of conversion, and nomograms of auxiliary coefficients necessary for computing geometrical divergences of rays] Atlasy grafikov modulei i argumentov kompleksnykh koefitsientov otrazheniia-prelomleniia uprugikh voln, funktsii napravlenosti osnovnykh tochechnykh istochnikov, koefitsientov otrazheniia ot dnevnoi poverkhnosti, koefitsientov konversii i nomogrammy vspomogatel'nykh koefitsientov, neobkhodimykh dlia vychisleniia geometricheskikh raskhozhdeniia lucheii. 1958. 323 p. (MIRA 13:1)

1. Akademiya nauk SSSR. Matematicheskii institut. Leningradskoye otdeleniye.

(Seismology--Tables, etc.)

VORONIN, Yu. A. Cand Phys-Math Sci -- (diss) "On the screening of seismic waves with thin layers." Len, 1959. 8 pp (Len Order of Lenin State Univ im A. A. Zhdanov). Bibliography at end of text (10 titles) (KL, 47-59, 112)

S/169/62/000/009/028/120
D228/D307

AUTHORS: Voronin, Yu. A., Nikol'skiy, E. V. and Trigubov, A. V.

TITLE: One way of calculating head waves associated with curvilinear interfaces

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 9, 1962, 28, abstract 9A187 (Geologiya i geofizika, no. 1, 1962, 135-143)

TEXT: The range of applicability of the approximate method suggested by S. A. Fedotov (RZhGeofiz, no. 2, 1958, 954) for calculating the intensity of head waves, formed at a curvilinear interface, is discussed. The method is based on the use of the radial method's formulas, derived for head waves in the case of flat boundaries, the divergence arising at the expense of the boundary's curvature being additionally taken into account. The length of the head wave ray resting on the boundary is replaced by that of the corresponding section of the curved boundary. It is pointed out that the method is inapplicable, when there are corner points at the bound- ✓

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One way of calculating ...

S/169/62/000/009/028/120
D228/D307

dary, and also in the loops of hodographs in the case of unsolved seismograms. Examples of the calculation of the focussing effects for boundaries are quoted, these being composed of horizontal straight lines and circular arcs. The results of calculating Fedotov's wave divergence are compared. This author proposes that use should be made of the graphical determination of the relations of sections of radial tubes of finite width to the "precise" radial calculation, based on the direct computation of the boundary curvature radius. The difference in the results of the two methods of calculation is appraised. In the authors' opinion this appraisal defines the error of Fedotov's method. [Abstracter's note: Complete translation.]

Card 2/2

VORONIN, Yu.A.; NIKO. 'SKIY, E.V.; TRIGUBOV, A.V.

Difference hodographs of the head wave for a circular interface.
Geol. i geofiz. no.11:74-85 '62. (MIRA 16:3)

1. Institut geologii i geofiziki Sibirskogo otdeleniya. AN SSSR,
Novosibirsk. (Hodograph) (Seismic waves)

VORONIN, Yu.A.

Possibilities of using methods of modern mathematics in geology.
Geol.i geofiz. no.1:124-128 '63. (MIRA 16:4)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR,
Novosibirsk. (Geology) (Mathematics)

KALENOV, Aleksandr Kirillevich; VORONIN, Yuriy Alekseyevich;
ALEKSANDROVA, V., red.

[Inspection and analysis of the financial and administrative operations of the "Sel'khoztekhnika" organizations; a practical aid] Proverka i analiz finansovo-khoziaistvennoi deiatel'nosti organizatsii "Sel'khoztekhniki"; prakticheskoe posobie. Moskva, Finansy, 1964. 215 p.
(MIRA 18:1)

S/0210/64/000/003/0154/0156

ACCESSION NR: AP4039379

AUTHORS: Voronin, Yu. A.; Zhadin, V. V.

TITLE: Frequency distortions of seismic signal in a three-component seismic bore hole detector

SOURCE: Geologiya i geofizika, no. 3, 1964, 154-156

TOPIC TAGS: seismic survey, seismic signal, signal frequency, frequency distortion, seismic receiver, well surveying, seismic detector SES 3

ABSTRACT: Three different methods for instrument arrangement in a well were studied to determine their effect on the frequency distortions of seismic signals. Such distortions are caused by movements of the instrument during the registration process. The asymmetrical installation of the well-surveying apparatus shown in Fig. 1 of the Enclosures produced the best results. In this case distortions in the direction of the X-axis occurred at frequencies which were not met in the usual frequency interval of a seismic survey. It was assumed that signal distortions were caused by the rotary vibration of the apparatus with respect to the line of contact between the instrument frame and the wall of the well. From this standpoint it seemed more advantageous to place the horizontal detectors eccentrically with

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ACCESSION NR: AP4039379

respect to the X-axis (that of the compressive force direction). It was proved experimentally that the system shown in Fig. 1 vibrated with one degree of clearance under the action of an impulse force. The analysis of such vibrations was made by A. A. Yablonskiy and S. S. Noreyko (Kurs teorii koblebaniy. "Vys'shaya shkola", 1961). A more detailed study of the seismic record distortions was made during the laboratory testing of the three-component seismic detector SES-3 under stationary conditions. Three different ways of instrument arrangement in the well (see Fig. 2 of the Enclosures) were studied at different strengths of the spring compression. The frequency characteristics of the spring device in this instrument are also shown in Fig. 2. Here curves 1 and 2 indicate the readings of the vertical and the horizontal detectors (oriented along the stress direction). Curves 3, 4, 5, and 6 correspond to the detector oriented perpendicular to the compression axis for the following cases: 3 - the instrument was pressed with its two rigid supports against the well wall; the supports checked its motion in the horizontal plane (Fig. 3b); 4 - the instrument was fixed with one spring only (Fig. 3d); 5 - the instrument is pressed with two strong springs; 6 - the compressive strength was increased five times. According to the results obtained the arrangement (3b) eliminated the resonance distortion, though some distortion still remained at the frequencies (10-30 cps), presumably caused by insufficient rigidity of the instrument in its

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ACCESSION NR: AP4039379

frame. Orig. art. has: 3 figures.

ASSOCIATION: Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR
Novosibirsk (Institute of Geology and Geophysics of the Siberian Branch AN SSSR)

SUBMITTED: 14Jun63

DATE ACQ: 19Jun64

ENCL: 02

SUB CODE: ES

NO REF SOV: 004

OTHER: 000

Card 3/13

1754-55 EXT(1) FSD(1)/FSD(1) GW
ACCESSION NR: AP4 2724

S/0210/64/bca/cob/0090/0100

AUTHORS: Voronin, Yu. A.; Gol'din, S. V.

TITLE: Questions on the theory of finite geological classifications

SOURCE: Geologiya i geofizika, no. 8, 1964, 90-100

TOPIC TAGS: classification, finite group

ABSTRACT: The authors examined some aspects of classification theory and analyzed the requirements of logical deducibility. They proposed a method of classification based on the theory of finite groups. The authors also analyzed the methods of classification of geological objects and their application to the theory of geological exploration. The authors also analyzed the methods of classification of geological objects and their application to the theory of geological exploration. The authors also analyzed the methods of classification of geological objects and their application to the theory of geological exploration.

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L 15759-65

ACCESSION NR: AP4049243

3

Even though the theory of classification is imperfectly developed, its application leads to a number of interesting consequences. It is pointed out that all

development of formal geological models and the development of special symbols

ASSOCIATION: Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR,
 Novosibirsk (Institute of Geology and Geophysics of the Siberian Department,

SUBMITTED: 1965

ENCL: 00

SUB CODE: ES, MA

NO REF SOV# 005

OTHER: 004

Card 2/2

VORONIN, Yu.A.; GOL'DINA, N.A.

Simplified scheme for the mathematical and logical analysis of
geological classifications. Geol. i geofiz. no.9:95-99 '64.

(MIRA 18:7)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR,
Novosibirsk.

VORONIN, Yu.A.; GOL'DINA, N.A.

Examples for the establishment of principles for determining
geological classification of enumeration. Geol. i geofiz.
no.10:104-112 '64. (MIRA 18:4)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR,
Novosibirsk.

KOSYGIN, Yu.A.; VORONIN, Yu.A.

Some fundamental concepts of structural geology. Geotektonika
no.1:51-60 Ja-F '65. (MIRA 18:5)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR,
Novosibirsk.

VORONIN, Yu.A.; GOL'DINA, N.A.

An example of the joint simplified mathematical analysis of geological classifications. Geol. i geofiz. no.2:83-91 '65. (MIRA 18:9)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR, Novosibirsk.

VORONIN, Yu.A.; IVANOVA, M.N.

Utilization of generating functions for construction of the geological classifications of enumeration on the basis of component composition. Geol. i geofiz. no.7:82-90 '65. (MIRA 18:9)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR, Novosibirsk.

KOSYGIN, Yu.A.; VORONIN, Yu.A.

Geological space as a basis of structural constructions.

Article 2: Geological boundaries and the isolation of geological bodies. Geol. i geofiz. no.10:3-11 '65.

(MIRA 18:12)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR, Novosibirsk. Submitted June 5, 1965.

ACC NR: AP6036763

(N)

SOURCE CODE: UR/0020/66/171/001/0170/0172

AUTHORS: Fotiadi, E. E. (Corresponding member AN SSSR); Voronin, Yu. A.; Cusev, Yu. M.

ORG: Institute of Geology and Geophysics, Siberian Division, Academy of Sciences, SSSR (Institut geologii i geofiziki Sibirskogo otdeleniya Akademii nauk SSSR)

TITLE: Constructing a standard scheme for geological interpretation of geophysical data

SOURCE: AN SSSR. Doklady, v. 171, no. 1, 1966, 170-172

TOPIC TAGS: geology, geophysics, probability, algorithm, set theory

ABSTRACT: A scheme for geological interpretation of geophysical data is described. Let A be a set of objects, and let U and V be systems of criteria (one-place predicates) defined in A. It is assumed that a' and a'' ∈ A are indistinguishable by U if for $\forall u_i \in U$ we have $u_i(a') + u_i(a'') \neq 1$. The indistinguishability relation is the equivalence relation and ensures representation of A as $A_1, A_2, \dots, A_{N(U)}, A_i \cap A_j, i \neq j, \dots$ $\bigcup_{i=1}^{N(U)} A_i \neq \emptyset$. Any other division that can be obtained from $\overline{A:U}$ by uniting its classes will be called a derivative and denoted by $\{[A:U]\}$. $\{[A:U]\}$ will diagonalize $\{[A:V]\}$ if

$$-\sum_{j=1}^{N'} p_j \log p_j > -\sum_{i=1}^N p_i \left(\sum_{j=1}^{N'} p_{ij} \log p_{ij} \right)$$

UDC: 550.30+550

ACC NR: AP6036763

where p_j' is the probability of events $a \in A_j'$; p_i is the probability of events $a \in A_i$; and p_{ij} is the probability of events $a \in A_j'$. When this latter condition is fulfilled, then Bayes' criterion can be used to show that a scheme that permits determination of the membership of a in A_j' on the basis of the membership of a in A_i will give a minimum of errors. This method can be used with a description of objects and any volume of experimental data. It is based on minimal a priori assumptions and is easily realized with an electronic computer. Orig. art. has: 3 formulas.

SUB CODE: 08/ SUBM DATE: 19Mar66/ ORIG REF: 004

Card 2/2

VORONIN, Yu.D., Geroy Sotsialisticheskogo Truda

On a state cotton farm in Tajikistan. Zashch. rast. ot vred.
i bol. 4 no.5:12-13 8-0 '59. (MIRA 16:1)

1. Direktor sovkhoza im. Kuybysheva, Tadzhikskaya SSR.
(Tajikistan---Cotton---Diseases and pests)
(Tajikistan---Spraying and dusting in agriculture)

LEBEDINSKIY, N.P.; NADEZHINA, N.V.; VORONIN, Yu.G.

Diamond grinding and lapping of hard-alloy cutting tools at
the Gorkiy Automobile Plant. Stan. 1 instr. 34 no.12:12-14
D '63. (MIRA 17:11)

VORONIN, Yu.I.

New Cambrian *Archaeocyatha* (*Ajaciocyathidae*) of Tuva. *Paleont.*
zhur. no.3:24-28 '62. (MIRA 15:9)

1. Paleontologicheskii institut AN SSSR.
(Tuva A.S.S.R.--*Archaeocyathidae*)

VORONIN, Yu.I.

Some septal Archaeocyatha of the Cambrian in Chita Province.
Paleont. zhur. no.2:11-21 '64. (MIRA 17:7)

1. Paleontologicheskii institut AN SSSR.

17(2,12)

SOV/16-59-6-15/46

AUTHORS: Ivashkevich, P.A., Belokhvostov, S.D. and Voronin, Yu.S.

TITLE: Electron Microscopic Study of the Morphological Changes in STI Anthrax Vaccine Spores Under the Influence of Certain Disinfectants

PERIODICAL: Zhurnal mikrobiologii, epidemiologii i immunobiologii, 1959, Nr 6, pp 74-78 (USSR)

ABSTRACT: Using a Soviet EM-3, 1949 model, electron microscope with a magnification factor of 5,000 X and an accelerating voltage of 40 kv, the authors studied the morphological changes which occur in the spores of live STI anthrax vaccine under the action of aqueous solutions of formaldehyde, monochloramine, diocide and a mixture of 17% formaldehyde in water and 10% monochloramine (Disinfectant mixture Nr 2). Formaldehyde was found to produce no visible changes in the spores. The chlorous preparations, however, caused swelling and a decrease in the electron-optical density of the spore membranes. This, according to A.Ye. Kriss and V.I. Biryuzova, is evidence of a profound biochemical reconstruction in the spores connected with disintegration of the high-molecular compounds and their transformation into low-molecular ones. D.V. Nayzi and V.I. Vashkov have pointed out that the greater resistance of spores, compared to the

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SOV/16-59-6-15/46

Electron Microscopic Study of the Morphological Changes in STI Anthrax Vaccine Spores
Under the Influence of Certain Disinfectants

vegetative forms of microbes, is due to their possessing a strong impermeable membrane. The strong sporicidal action of disinfectant mixture Nr 2, then, may be due to rapid penetration of the formaldehyde into the spores due to rarefaction and increased permeability of their membranes because of the action of the monochloramine.

SUBMITTED: December 14, 1958

Card 2/2

ALEKSANDROV, N.I.; GEFEN, N.Ye.; SHUL'ZHENKO, V.M.; ALEKSANDROV, P.M.;
LEBEDINSKIY, V.A.; KAVERINA-FIRGANG, K.G.; KUZNETSOVA, V.I.;
BEKKER, M.L.; VORONIN, Yu.S.

Search for effective chemical vaccines against some zoonoses.
Report No.3: Development of a chemical plague vaccine and its
experimental test in animals. Zhur. mikrobiol., epid. i immun.
4 no.4:66-71 Ap '63. (MIRA 17:5)

VORONIN, Yu.S.; DZHARYLGASOV, S.A.; PISAREVSKIY, Yu.S.; FAYBICH, M.M.

The golden (Syrian) hamster (*Cricetus auratus*, W., 1939) as
an experimental model in anthrax. Zhur. mikrobiol., epid. i
immun. 40 no.9:120-125 S'63. (MIRA 17:5)

ACCESSION NR: AP4043756

S/0016/64/000/008/0045/0050

AUTHOR: Aleksandrov, N. I.; Gefen, N. Ye.; Voronin, N. S.;
Yezepchuk, Yu. V.; Kozyrev, M. B.; Lebedinskiy, V. A.; Nikonov, I. V.;
Runova, V. F.; Tamarin, A. L.; Filippenko, A. I.

TITLE: Further experimental studies of the efficacy of chemical
anthrax vaccine

SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii,
no. 8, 1964, 45-50

TOPIC TAGS: vaccine, antigen, anthrax

ABSTRACT: Rabbits were vaccinated with unsterilized anthrax antigen,
formalin-sterilized anthrax antigen, and live CTH vaccine, then
infected with a virulent strain of B. anthracis. Comparison of
results for the three groups showed no difference in efficacy between
the unsterilized antigens containing viable CTH cells and the formalin-
sterilized antigen. The survival rate was 11 out of 12 rabbits in the
first group, 9 out of 11 in the second group, and 11 out of 11 in the
third. All the controls died. The immunogenic effect of the antigen

Card 1/4

ACCESSION NR: AP4043756

thus neither depends on nor is enhanced by the presence of viable cells in the vaccine. Formalin-sterilized antigen was used in the remainder of the experiments. The dependence of the degree of immunity induced on the size of the vaccination dose was also investigated in rabbits. The level of immunity was directly dependent on dose size: less than half (5 out of 12) of the rabbits vaccinated with 50 mg of antigen survived infection with 100 Dlm of virulent B. anthracis. Larger doses (100 mg and 300 mg) were about equally efficacious (survival of 6 out of 9 and 7 out of 9 rabbits). All the controls died. The dependence of immunogenic effect on the number of injections into which the vaccination dose is split and on the time interval between them was studied next. A total vaccination dose of 100 mg was administered in one, two, and three injections. Up to 20 days following completion of vaccination, the number of injections made no real difference in immunogenic effect. Mortality increased sharply when immunity was tested 40 days after completion of the vaccination series, however. The immunity produced by live CTH vaccine was longer lasting, and did not fall off sharply until 80 days after vaccination. It should be noted that the CTH dosage

Card 2/4

ACCESSION NR: AP4043756

used (250×10^6 spores) was five times the dose recommended for humans. The efficacy of anthrax antigen was also studied in rhesus monkeys, in which 300 mg of antigen administered in either two or three injections produced a somewhat stronger immunity than did the live CTH vaccine in human-size doses. A final experiment was conducted to determine the efficacy of "native-sorbed" antigen concentrate (obtained by $Al(OH)_3$ precipitation of the culture filtrate without first treating the latter with acid or alcohol). This process not only yields an antigen which is more effective than that obtained by alcohol sorption, but produces it in quantities 15 times greater than the yields attainable by the alcohol process. The results of the experiment showed the immunogenic activity of "native-sorbed" antigen to be about the same as that of acid-sorbed antigen. In view of the much higher yield of the native-sorbed antigen concentrate, its use would seem to be preferable to that of the others. These concentrates produced practically no local reaction, unlike the formalin-sterilized antigen used in the earlier experiments. Orig. art. has: 3 tables.

Card 3/4

ACCESSION NR: AP4043756

ASSOCIATION: none

SUBMITTED: 28May63

ENCL: 00

SUB CODE: CB, LS

NO REF SOV: 003

OTHER: 000

Card 4/4

VORONIN, Yu.V.

Use of high-energy protons in therapy. Med. rad. 10 no.11:
3-9 N '65. (MIRA 19:1)

1. Tsentral'nyy nauchno-issledovatel'skiy rentgeno-radiologicheskiy
institut (direktor Ye.I. Vorob'yev) Ministerstva zdravookhraneniya
SSSR, Leningrad. Submitted April 18, 1964.

L 41273-66 EWP(g)/EWT(m)/EWP(t)/ETI/EnP(k) IIP(c) 3D, JI

ACC NR: AP6021265 SOURCE CODE: UR/0128/66/000/003/0037/0038

AUTHOR: Voronin, Yu. V. (Engineer); Golikov, I. N. (Dr. of technical sciences); Borok, B. A. (Candidate of technical sciences); Dzneladze, Zh. I. (Candidate of technical sciences); Goryunov, I. I. (Candidate of technical sciences); Sedova, Z. I. (Engineer) 49
46
B

ORG: none

TITLE: Molybdenum molds for pressure die casting of steel A

SOURCE: Liteynoye proizvodstvo, no. 3, 1966, 37-38

TOPIC TAGS: molybdenum, pressure casting, metal casting, hot die forging/3Kh2V8 steel, TsSDM molybdenum

ABSTRACT: 3Kh2V8 steel as well as copper alloys, which are currently used as the materials of molds for pressure die casting of steel, are of insufficient strength, and this hampers the widespread introduction of pressure die casting. In this connection, the authors experimented with the use of TsSDM molybdenum, obtained by powder-metallurgical methods. Sintered blanks weighing up to 16 kg, measuring 90 mm in diameter and 180 in height, were drop-forged into 40x15x160 mm sheet bars (at temperatures beginning with 1600-1650°C and ending with 1100-1200°C). Molds made of sintered and deformed Mo were heated at various temperatures,

Card 1/2 UDC: 621.744.3.004.6:621.74.043.2:669.14

ACC NR: AP6021265

thus establishing that the danger of the breakage or hot cracking of the molds can be eliminated if they are heated to 300°C when used in the pressure die casting of 20 and 1Kh18N9T steels. Their service life is longer than that of 3Kh2V8 steel: they retain a satisfactory shape after being re-used 540 times, whereas molds made of 3Kh2V8 steel can be satisfactorily re-used only 240 times. Thus, the use of molybdenum molds may markedly reduce casting cost. Orig. art. has: 3 figures and 3 tables.

SUB CODE: 13,11/ SUBM DATE: none/ ORIG REF: 003/ OTH REF: 004

Card

2/2 *LC*

10

CA

PROCESSING AND PROPERTIES UNIT

Pentachlorophenol. M. V. Troitski and A. Voronina. *Org. Chem. Ind. (U. S. S. R.)* 7, 240-1(1940), 2475 (1940). pentachlorophenol was made of the mother liquor obtained in the manu. of $p\text{-C}_6\text{H}_4\text{Cl}_2$. The liquor was chlorinated to yield 04-05% hexachlorobenzene, m. 224°. The product was then saponified with NaOH in 3-4 hrs. at 135-140° under a pressure of 11-12 atm. to yield 80% Na pentachlorophenoxide. The pure pentachlorophenol yield was 80% based on the $\text{C}_6\text{H}_4\text{Cl}_2$ used originally. The product m. 185° and contained 86% Cl. B. Z. Kasich

METALLURGICAL LITERATURE CLASSIFICATION

MATERIAL INDEX

CROSS REFERENCE INDEX

AL'TOVA, O.; MAYOROVA, V., tkachikha; PUTINTSEVA, Ye., uchetchitsa;
VORONINA, A., tkachikha; BOROVKOVA, A., tkachikha; VOROB'YEVA, A.;
KASPERSKAYA, N.; PEREPLETCHIKOVA, V.; CHUZHAKHINA, L., tkachikha;
KULIKOVA, M., tkachikha

That's better. Rabotnitsa. 40 no.6:21 Je '62. (MIRA 16:3)

1. Predsedatel' fabrichnogo komiteta Gorsko-Pavlovskoy fabriki imeni Kaminskogo, Ivanovskaya oblast' (for Al'tova). 2. Gorbunovskaya tkatskaya fabrika Moskovskogo oblastnogo sojeta narodnogo khozyaystva (for Mayorova, Putintseva, Voronina, Borovkova). 3. Direktor Noginskoy lentotkatskoy fabriki "Krasnaya lenta" (for Vorob'yeva). 4. Predsedatel' fabrichnogo komiteta Noginskoy lentotkatskoy fabriki "Krasnaya lenta" (for Kasperskaya). 5. Nachal'nik otdela truda Noginskoy lentotkatskoy fabriki "Krasnaya lenta" (for Perepletchikov). 6. Noginskaya lentotkatskaya fabrika "Krasnaya lenta" (for Chuzhakhina, Kulikova).

(Textile industry)

VORONINA, A., starshiy dispatcher

Important potential to improve the utilization of a route.
Avt.transp. 42 no.2:13-14 P '64. (MIRA 17:3)

VORONINA, A.A.; SEMENOV, V.I.; MOTUSKO, F.A.

[Manual on the course "Fundamentals of safety and fire-
prevention engineering"] Uchebnoe posobie po kursu
"Osnovy tekhniki bezopasnosti i protivopozharnoi tekhniki."
Moskva, Vses. zaachnyi energ. in-t. Pt.1. 1963. 372 p.
(MIRA 17:5)

MOTUSKO, F.Ya.; VORONINA, A.A.; SEMENOV, V.I.

[Textbook for the course in "Fundamentals of safety engineering and fire prevention"] Uchebnoe posobie po kursu "Osnovy tekhniki bezopasnosti i protivopozharnoi tekhniki. Moskva, Vses. zaochnyi energ. in-t, 1964. Pt.2. 1964. 98 p. (MIRA 18:12)

RYABKOVA, Ye.Ya., kand, tekhn. nauk; VORONINA, A.A., inzh.

Grounding stages of high-voltage substations. Elek. sta. 36 no.11;
60-63 N '65. (MIRA 18:10)

VORONINA, Aleksandra Ivanovna, kand. sel'khoz. nauk; GLEBOVA,
Yekaterina Il'inichna, kand. sel'khoz. nauk; KALASHNIKOVA,
Nina Ivanovna, kand. sel'khoz. nauk; NEVZOROV, Fedor Yefimovich;
NIKISHIN, Konstantin Georgiyevich, kand. sel'khoz. nauk;
ZHUCHKOV, N.G., prof., red.; IVASHKINA, L.A., red.; BARANOVA,
L.G., tekhn. red.

[Fruit culture with the fundamentals of landscape gardening]
Plodovodstvo s osnovami dekorativnogo sadovodstva. [By] A.I.
Voronina i dr. Leningrad, Sel'khozizdat, 1962, 526 p.

(MIRA 15:10)

(Fruit culture)

(Landscape gardening)

POLYANSKAYA, A.M.; VORONINA, A.N.; KALOSHINA, G.A.; MESSINEVA, N.A. [deceased]

Changes in the blood serum proteins in chronic lymphoid leukemia.
Probl. gemat. i perel. krovi no.3:3-8 '65.

(MIRA 18:10)

1. Gematologicheskaya klinika (zav. - prof. M.S.Dal'tsin) i
klinicheskaya laboratoriya (zav. N.A.Messineva [deceased])
TSentral'nogo ordena Ienina instituta gematologii i perelivaniya
krovi (direktor - dotsent A.Ye.Kiselev) Ministerstva zdravookh-
raneniya SSSR, Moskva.

SENDEROVA, G.M., *otv.red.*; SHUROV, S.I., *red.*; BASHLAVINA, G.N., *red.*;
YORONINA, A.N., *red.*; GUREVICH, I.V., *red.*; ZASLAVSKIY, I.I.,
red.; KOZLOV, P.M., *red.*; LARIN, D.A., *red.*; RAJSEH, V.A., *red.*;
SAMOYLOV, I.I., *red.*; SENDEROVA, G.M., *red.*; SLADKOVA, Ye.A.,
red.; SPROYEV, K.F., *red.*; SCHASTNEV, P.N., *red.*; TUTOCHKINA,
V.A., *red.*; ERDELI, V.G., *red.*

[Geographical atlas for the fourth grade] Geograficheski atlas
dlia 4-go klassa. Moskva, Glav.uprav.geodez. i kartografii M-va
geol. i okhrany nedr SSSR, 1960. 16 p. (MIRA 13:8)
(Atlases)

MEKLER, M.M., otv.red.; SHUROV, S.I., red.; BASHLAVINA, G.M., red.;
VORONINA, A.N., red.; GUREVICH, I.V., red.; ZASLAVSKIY, I.I., red.;
KOZLOV, F.M., red.; LARIN, D.A., red.; LYALIKOV, N.I., red.;
MAMAYEV, I.I., red.; NIKISHOV, M.I., red.; RAUSH, V.A., red.;
SAMOYLOV, I.I., red.; SLADKOVA, Ye.A., red.; STROYEV, K.F., red.;
SCHASTNEV, P.N., red.; TUTOCHKINA, V.A., red.; KHUKLI, V.G., red.;
BUSHUYEVA, M.P., red.kart; DYUZHNEVA, A.M., red.kart; KROTKOV, B.S.,
red.kart; MESYATSEVA, L.N., red.kart; PEKHOVA, Z.P., red.kart;
POLYANSKAYA, L.A., red.kart; SAFRONOVA, V.A., red.kart; FEDOTOVA,
N.I., red.kart; FETISOVA, N.P., red.kart; CHERNYSHOVA, L.N., red.kart;
BUKHANOVA, N.I., tekhn.red.; KUZNETSOVA, O.L., tekhn.red.; NIKOLAYEVA,
I.N., tekhn.red.

[Atlas of the U.S.S.R. for the secondary school; course in economic ge-
ography] Atlas SSSR dlia srednei shkoly; kurs ekonomicheskoi geografii.
Moskva, Glav.uprav.geodez. i kartografii M-va geol. i okhrany nadr SSSR,
1960. 50 p. (MIRA 13:12)
(Geography, Economic--Maps)

VORONINA, A.F.

VORONINA, A.F.; NIKOLAYEV, V.A.; RYABTSEVA, Z.G.

Semidesert areas and the possibility of studying them by using the materials of aerial photography. Vest. Mosk. un. Ser. biol., pochv., geol., geog. 12 no.3:203-213 '57. (MIRA 10:12)

1. Kafedra geodezii i kartografii i geomorfologii Moskovskogo gosudarstvennogo universiteta.
(Photogrammetric pictures)

EROTSKIY, Yu.Z.; YORONINA, A.F.; NIKOLAYEV, V.A.; RYCHAGOV, G.I.; RYABTSEVA,
Z.G.; TYURDENEVA, S.A.; TSATSENKIN, I.A.

Field methods in making general physicogeographical maps. Nauk. zap.
L'viv. un. 40:114-125 '57. (MIRA 11:6)

I. Gosudarstvennyy universitet im. M.V. Lomonosova, Moskva.
(Physical geography--Maps)

BROTSKIY, Yu.Z. [deceased]; VORONINA, A.F.; NIKOLAYEV, V.A.; RYCHAGOV, G.I.;
RYABTSEVA, Z.G.; TYURDENNEVA, S.A.; TSATSENKIN, I.A.

Field methods of making general physico-geographical maps; from the
work practice of the expedition of the Moscow State University to
the Caspian Sea region. Vop.geog. no.42:9-22 '58.

(MIRA 11:11)

(Cartography)

3(2)

AUTHORS: Yoronina, A. F., Ryabtsava, Z. G., SOV/6-58-12-10/14
Candidate of Geographical Sciences, Tsedeler, Ye. E., Candidate
of Geographical Sciences

TITLE: Cartographical Work in the Complex Study of Half-Desert Regions
(Kartograficheskiye raboty pri kompleksnom izuchenii
polupustynnykh rayonov)

PERIODICAL: Geodeziya i kartografiya, 1958, Nr 12, pp 53-56 (USSR)

ABSTRACT: The Prikaspiyskaya ekspeditsiya geograficheskogo fakul'teta MGU
(Expedition to the Regions of the Caspian Sea of the
Geographical Dept. of Moscow State University) examined in
1948-55 wide areas of Sarpinskaya lowland, the Chernyye zemli,
the Nogayskaya steppe, the Volga-Akhtuba flood land
and the Volga delta with a total surface of
100,000 km² that should be partially irrigated and economically
opened up. In 1948-50, geographical examinations were made for
the first stage of the scheme (general schedules were set up).
Then, physical-geographical and economic-geographical special
maps at small and medium scales were made up. In subsequent
years, the most typical sections were examined in detail.
On account of this work, large-scale maps were produced.

Card 1/2

, Cartographical Work in the Complex Study of
Half-Desert Regions

SOY/6-58-12-10/14

The work of the first stage was carried out by special sections (geomorphological, soil-geobotanical and economic-geographical sections). Cartographers took part in the office and field work. The work in the two stages is here pointed out in short. The work carried out here showed that in extensive geographical expeditions the presence of cartographers in all stages of work is indispensable for the making of special maps with universal characteristics of the region.

Card 2/2

VORONINA, A.F.; NIKOLAYEV, V.A.

Medium-scale landscape cartography in regions of reclaimed virgin and idle lands of northern Kazakhstan. Vest. Mosk. un. Ser. biol., pochv., geol., geog. 13 no.2:221-230 '58.

1. Moskovskiy gos. universitet, Kafedra geodesii i kartografii i geomorfologii.

(Kazakhstan--Physical geography) (Cartography)

VORONINA, A.G., kand.tekhn.nauk

Redesigning the densely built-up districts of Moscow. Gor.khoz.Mosk.
35 no.6:4-6 Je / '61. (MIRA 14:7)

(Moscow—City planning)

VORONINA, A. I.

Apple

Shrub-type forms of apple trees and methods of producing them in the nursery. Sad
i og. No. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

1ST AND 2ND GROUPS PROCESSES AND PROPERTIES WITH

BC

A-4

Block samples by ... and A. E. ... 1936 ... blood samples is high. Cr. Ass. (p)

COMMON ELEMENTS

OPEN MATERIALS INDEX

ASSOCIATED METALLURGICAL LITERATURE CLASSIFICATION

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

10

Exchange reactions of halogens in 10-chloro-9,10-dihydrophenarsazine and some organic magnesium halides. V. V. Shtishevskii and A. I. Voronina, *J. Gen. Chem. (U. S. S. R.)* 7, 2400-9 (1977). When 10-chloro-9,10-dihydrophenarsazine is treated with $MgCl_2 \cdot Mg$ it does not condense, but instead the 10-I compd. is formed. In a similar way, the 10-Br deriv. is formed when it is treated with $BrMgCl \cdot Mg$, $(BrMgCl)_2$, and $Mg \cdot CHClMeBr \cdot CH_2MgBr$.
H. M. Leicester

ASD-SLA METALLURGICAL LITERATURE CLASSIFICATION

OPEN MATERIALS INDEX

10

VORONINA, A. N.

21362 VORONINA, A. N. Shkaly secheniy rel'efa melkomasshtabnykh kart. *Voprosy geografii*, SB, 11, 1949, S. 95-108. - Bibliogr: 15 nazv.

SO: *Letopis' Zhurnal'nykh Statey*, No. 29, Moskva, 1949.

DRIATSKAYA, E.M., otv.red.; SHUROV, S.I., red.; BASHLAVINA, G.N., red.;
VORONINA, A.H.; GUREVICH, I.V., red.; ZASLAVSKIY, I.I., red.;
KOZLOV, P.M., red.; LARIN, D.A., red.; HAUSEH, V.A., red.;
SAMOYLOV, I.I., red.; SLADKOVA, Ye.A., red.; STROYEV, K.F., red.;
SCHASTNEV, P.N., red.; TUTOCHKINA, V.A., red.; ERDELI, V.G., red.

[Geography atlas for the sixth grade] Geograficheskiy atlas dlia
6-go klassa. Moskva, 1958. 32 p. (MIRA 12:9)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye geodezii i
kartografii. 2. Nauchno-redaktsionnaya kartostavitel'skaya
chast' Tsentral'nogo nauchno-issledovatel'skogo instituta
geodezii, aeros'yenki i kartografii.
(Maps)

VORONINA, A. I.

"Condensation of o-aminothiophenol with heterocyclic carboxylic acids. Part 1. Pyridylbenzothiazoles". Zubarovskii, V. M. and Voronina, A. I. (p. 140)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii). 1953, Volume 23, No. 1.

TORONTO, A. I.

CATALYST

Chemical Abst.
Vol. 48 No. 3
Feb. 10, 1954
Organic Chemistry

8-30-54
EJS

Condensation of *o*-aminothiophenol with heterocyclic carbonyl compounds. I. Pyridine derivatives. V. H. Zubrovich and A. I. Kuznetsov, *Zh. Obshch. Khim.*, 2, 140-1 (1953). Heating 3.7 g. nicotinic acid with 3.8 g. $\text{C}_6\text{H}_5\text{NC}_4\text{H}_3\text{NH}_2$ in sealed tube 6 hrs. to 140-150° (15° rise per hr.) gave 31% 2-(2-pyridyl)benzothiazole(II), m. 135° (from EtOH). A 100% yield is obtained from C_6H_5 soln. of I and picolinyl chloride. The product is sol. in hot dil. HCl or cold concn. HCl; *picrate*, m. 140-1° (from EtOH). II heated with MeI 1 hr. at 100° failed to react; EtI gave the same result. Mixing C_6H_5 solns. of 4.17 g. *o*-methylaminothiophenol with 4.33 g. picolinyl chloride and boiling 20 min. and treatment of the product with aq. KI gave 4.6 g. 3-methyl-2-(2-pyridyl)benzothiazolium iodide, m. 180-2° (decomn., from EtOH). This heated with MeI in sealed tube to 100° failed to react. Heating the above iodide to unstated temp. gave MeI and II. Heating 10 g. nicotinic acid with 10 g. I 6 hrs. at 130-5° gave 34% 2-(2-pyridyl)benzothiazole, m. 128-9° (from EtOH); a 57% yield results from using nicotinoyl chloride and I in C_6H_5 ; *picate*, m. 194-5° (from Me₂CO); *HCl salt*, m. 215° (from EtOH). Heated with MeI to 100° 1 hr. it gave the *methiodide*, m. 231-2° (from EtOH); *sulfide*, m. 223-4° (from EtOH). Nicotinoyl chloride and *N*-methyl-*o*-aminothiophenol treated as above described gave 3-methyl-2-(2-pyridyl)benzothiazolium iodide, yellow, m. 186-8° (from H₂O), which heated to 203-25° isomerized to the *methiodide*, m. 232° identical with the one described above. Equimolar mixt. of isonicotinic acid and I heated 4 hrs. at 210-40° gave 65% 2-(4-pyridyl)benzothiazole, m. 131° (from pair. ether); *picrate*, m. 237°. Heating the base with MeI 0.5 hr. at 100° gave the *methiodide* (III), m. 256°, orange; *ethiodide*, m. 219-20°. Reaction of isonicotinoyl chloride with *o*-methylaminothiophenol, as above, gave 3-methyl-2-(4-pyridyl)benzothiazolium iodide, dark red, m. 195°, m. 107° to dark liquid which changed to crystals, m. 253°; heating to 185-120° gives III, m. 256°. Thus the *methiodides* whose Me group is on benzothiazole N are similar to those with Me on the pyridine N.

G. M. Kosolovoff

SAVACHENKO, R.I.; VORONINA, A.I.

Devices for the analysis of gas mixtures used in inhalation
anesthesia apparatus. Nov. med. tekhn. no.3:51-90 '65.
(MIRA 19:1)

Voronina, A. M.

38020. VORONINA, A. M. AND GORSHENIN, K. P.

UOSPOMINANIYA O SOVMYESTNOY RABOTYE S.S.S. NYEUSTRUYVIM. (POCHVOVYED-
GYEOGRAF) TRUDY POCHV. IN-TA IM DOKUCHAYEVA, T. XXX, 1949, c. 13-14.

VORONINA, A.N.

MEKLER, M.M., otvetstvennyy red.; BASHLAVINA, G.N., red.; VORONINA, A.N., red.;
GUREVICH, I.V., red.; ZASLAVSKIY, I.I., red.; KOZLOV, P.M., red.;
LARIN, D.A., red.; RAUSH, V.A., red.; SAMOYLOV, I.I., red.;
SLADKOVAYA, Ye.A., red.; STROYEV, K.F., red.; SECHASTNEV, P.N., red.;
PUTOCHKINA, V.A., red.; SHUROV, S.I., predsedatel', red.; ERDMLI,
V.G.

[Geographical atlas for the fifth grade] Geograficheskiy atlas dlia
5-go klassa. Moskva [1957] 16 p. (MIRA 11:7)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye geodezii i
kartografii.

(Maps)

SAFRONOVA, V.A., otv.red.; SHUROV, S.I., red.; BASHLAVINA, G.N., red.;
VORONINA, A.H., red.; GUREVICH, I.V., red.; ZASLAVSKIY, I.I.,
red.; KOZLOV, F.M., red.; LARIN, D.A., red.; RAUSH, V.A., red.;
SAMOYLOV, I.I., red.; SLADKOVA, Ye.A., red.; STROYEV, K.F., red.;
SCHASTNEV, P.N., red.; TUTOCHKINA, V.A., red.; ERDEL', V.G., red.;
DYUZHIEVA, A.M., red.kart; POLYANSKAYA, L.A., red.kart

[Geographical atlas of the U.S.S.R. for the seventh grade] Geogra-
ficheskiy atlas SSSR dlia 7-go klassea. Moskva, 1958. (MIRA 12:5)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye geodezii i karto-
grafii. 2. Nauchno-redaktsionnaya kartosostavitel'skaya chast'
Glavnogo upravleniye geodezii i kartografii Ministerstva vnutrennikh
del SSSR (for all except Dyuzheva, Polyanskaya).
(Atlases)

SOV/6-53-7-15/25

3(2)

AUTHORS:

Voronina, A. N., Karavayeva, Z. F.

TITLE:

Representation of Basic Elements of Content on School Wall Maps
(Izobrazheniye osnovnykh elementov ~~sozhdaniya~~ na stennykh ucheb-
nykh kartakh)

PERIODICAL:

Geodeziya i kartografiya, 1959, Nr 7, pp 44 - 51 (USSR)

ABSTRACT:

In editing and compiling school maps, the choice of details in drawing the individual elements is the most complicated part of work. Most errors on school maps originate because of an incorrect understanding of the degree and possibility of generalization on topographic maps of this kind. The directions issued in 1950 for the compilation of school maps do not clarify this problem, and do not deal correctly with the whole problem. They mechanically put the same requirements as to generalization to school maps as to reference or topographic maps on a large scale. The degree of generalization, and the size of the signs on a map, are determined by its scale and destination. The degree of generalization applicable to most hand maps is absolutely unacceptable for school maps on the same scale. In school maps, the main characteristics of an area must be clearly expressed.

Card 1/2

Representation of Basic Elements of Content on School
Wall Maps

S07/6-59-7-15/25

Details make the school map less distinct. Starting from this point of view, some recommendations are given here with concrete examples of coast and shore lines, hydrographic representations, places and traffic routes, frontiers and relief. For the representation of places, the paper by T. M. Lapshina, S. N. Soldatov and M. B. Sukhodrev in *Geodeziya i kartografiya*, 1956, Nr 7, is referred to, and for the relief representation on school maps, the paper by T. N. Gunbina and A. N. Spiridonova in the *Trudy TsNIIGAIK*, 1938, Nr 21. There are 6 figures and 2 Soviet references.

Card 2/2

SAFRONOVA, V.A., otv.red.; SHUROV, S.I., red.; BASHLAVINA, G.N., red.;
YORONINA, A.H., red.; GUREVICH, I.V., red.; ZASLAVSKIY, I.I., red.;
KOZLOV, F.M., red.; LARIN, D.A., red.; BAUSH, V.A., red.; SAMOILOVA,
I.I., red.; SLADKOVA, Ye.A., red.; SPROYEV, K.F., red.; SCHASTNEV,
P.N., red.; FUTOCHKINA, V.A., red.; ERDELI, V.G., red.; DYUZHVA,
A.M., red.kart; POLYANSKAYA, L.A., red.kart

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kursa; POLISADOV, P.V. (Kazan')

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