

YANKULOV, Y. [Iankulov, I]; BOYEVA, A. [Boeva, A.]

Polemonium sibiricum D. Don, a new prospective saponin plant.  
Doklady BAN 16 no. 7: 745-748 '63.

1. Predstavleno akad. R. Georgiyevoy.

BOEVA, A.; BRIANOVSKA-HOHINSKA, L.; IVANOV, As.

Preliminary communication on pharmaceutic utilization of rosaceous  
gall. Farmatsia, Sofia 4 no.4:33-34 July-Aug 54.

(PLANTS,

rosaceous gall, pharmacol.)

BOEVA, A.

Contribution of Soviet scientists in the field of pharmacy.  
Farmatsia, Sofia 4 no.4:35-36 July-Aug 54.  
(PHARMACY, history,  
in Russia)

BOEVA, Ana

Participation of pharmacists in the April Uprising. Farnatsia,  
Sofia 4 no.5:15-19 Sept-Oct 54.

(PHARMACY,  
in Bulgaria)

BONVA, A.

Biogenic stimulators. Farmatsia, Sofia 5 no.2:20-22 Mar-Apr 55.  
(TISSUE THERAPY,  
biogenic stimulators)

BOYEVA, A.; NONINSKA-DRENOVSKA, L.,(Sofiya, Narodnaya Respublika Bolgarii).

Effect of Russian and Soviet pharmacy on the development of pharmacy  
in Bulgaria. Apt.delo 7 no.2:77-80 Mr-Ap '58. (MIRA 11:4)  
(BULGARIA--PHARMACY)

BOYKO, A.A., red.; BURSHEYN, G.Ya., doktor ekon. nauk, retsenzent;  
LIR, Yu.S., kand. ekon. nauk, retsenzent; SKOGOREV, V.A.,  
retsenzent; SIMONOVA, I.Ya., retsenzent; GOLUBEYATNIKOVA, G.S.,  
red.izd-va; IL'INSKAYA, G.M., tekhn. red.; LAVRENT'YEVA, L.G., tekhn.  
red.

[Planning in the coal industry; a manual for preparing the  
technical, industrial and financial plan] Planirovanie v ugol'-  
noi promyshlennosti; spravochnik po razrabotke Tekhpromfinplana.  
Moskva, Gosgortekhzdat, 1963. 342 p. (MIRA 16:12)  
(Coal mines and mining--Management)

KUDINOV, V.Ye.; BOYEVA, A.D.; MOROZOVA, L.A., normirovshchik

Spinners operating without helpers. Tekst.prom. 20 no.6:  
58-59 Je '60. (MIRA 13:7)

1. Glavnyy inzhener khlopchatobumashnoy fabriki "Krasnyy  
Pereval" (for Kudinov). 2. Nachal'nik otдела organizatsii truda  
i sarabotnoy platy khlopchatobumashnoy fabriki "Krasnyy  
Pereval" (for Boyeva).  
(Yaroslavl—Spinning)



*BOYEVA, A.V.*

Category : USSR/Solid State Physics - Mechanical properties of crystals and poly-crystalline compounds E-9

Abs Jour : Ref Zhur - Fizika, No 1, 1957 No 1363

Author : Liberman, L.Ya., Boyeva, A.V.

Inst : Central Boiler and Turbine Institute, USSR

Title : Heat Resistance and Relaxation Stability of Chrome-Vanadium and Chrome-Tungsten-Vanadium Structural Steels

Orig Pub : Metallovedeniye i obrabotka metallov, 1946, No 4, 2-10

Abstract : An investigation was made to find substitutes for molybdenum-containing steels, satisfying the requirements imposed on materials for bolts and pins, intended for operation at temperatures up to 500<sup>o</sup>. A study was made of the effect of the V, W, and C content and its influence on the creep resistance long-term strength, relaxation endurance, and sensitivity to tempering brittleness. It was established that the first three characteristics increase with the vanadium content up to 1%; the maximum sensitivity to tempering and thermal brittleness is displayed by chrome-vanadium steels at 0.5% V. Chrome-vanadium steels containing 1.25% W and 0.25 -- 0.30% C are insensitive to tempering and thermal brittleness, have high creep resistance, high long-term

Card : 1/2

Category : USSR/Solid State Physics - Mechanical properties of crystals and poly- E-9  
crystalline compounds

Abs Jour : Ref Zhur - Fizika, No 1, 1957 No 1363

strength, and high relaxation endurance. The 25Kh2V1F steel, containing  
0.23 -- 0.30% C, 1.2 -- 1.4% Cr, 1 -- 0.4% W and 0.2 -- 0.3% V, has a  
better combination of properties, satisfying the above requirements.

Card : 2/2

11341\* Heat Resistance and Relaxation Resistance of Chromium-Vanadium and Chromium-Tungsten-Vanadium Structural Steels. ~~Zharoprochnost i relaksatsionnaya tverdnost vanadiyevykh i khromovotramovanadiyevykh konstruktsionnykh staley. (Russian.)~~ L. Ia. Liberman and A. V. Boeva *Metallotekhnika i Obrabotka Metallov*, 1958, no. 4, Apr. 1958, p. 2-10.

Impact toughness after high and cyclic tempering with rapid and slow cooling. Effect of lengthy soaking and heat treatment variations on mechanical properties. Effect of content of alloying elements and C on creep resistance and long-time strength. Graphs, tables.

of

1. Tsentral'nyy Kotelotrubnyy institut imeni Polzunova.  
 (Vanadium - Chromium - iron alloys) (Tungsten - Chromium - iron alloys)  
 (Steel, structural - testing)

Met // High-temperature-strength chromium steels for service at 550-600°. L. Ya. Liberman and A. V. Boeva. *Metallurg. i Obrabotka Metallov* 1956, No. 6, 16-26 (English translation No. 3811).—The 10 steels studied were of British and American 12% Cr steels and contained C 0.15-0.28, Cr 11.65-13.7, Ni 0-1.23, W 0-1.2, Mo 0-0.45, Nb 0-0.54, and Ti 0-0.23%; 0.02% V (added as nitrided ferrochromium) were added to some. Tests showed that max. hardnesses were obtained by oil quenching from 950 to 1050°. The impact strength decreased when high quenching temps. were used, and so the alloys were hardened from moderate temps. and were tempered at 650-730° for 1-8 hrs. The mech. properties at 20, 550, and 600° were tabulated. These were only slightly affected by prior heating for 3000 or 5000 hrs. at 550 or 600°. Carbide pptn. was observed in some microstructures after this heating. Steel 15Kh12VMF contg. C 0.17, Si 0.22,

Mn 0.61, Cr 13.15, Ni 0.20, W 0.85, Mo 0.45, V 0.20, S 0.028, and P 0.024% had the lowest creep rates under a stress of 10 kg./sq. mm.,  $0.20 \times 10^{-4}\%$ /hr. at 550° and  $1.0 \times 10^{-4}\%$  at 600°. This steel also had the highest rupture strength and required 3000 hrs. to break under a stress of 25 kg./sq. mm. at 550°. Steels contg. more than 20-30% structurally free ferrite had low strengths and poor stability. Better properties were obtained with 0.15% C than with 0.28%. A combination of W and Mo was better than either alone. The addn. of Nb and Ti to a steel contg. W, Mo, and V produced free ferrite and decreased the properties. The addn. of N improved properties by eliminating free ferrite.

A. G. Guy

L 27386-66 EWT(m)/EWA(d)/EWP(v)/I/EWP(t)/EII/EWP(k) IJP(c) JD/RM

ACC NR: AP6015238 (N) SOURCE CODE: UR/0125/66/000/005/0001/0005

AUTHOR: Zemzin, V. N.; Boyeva, A. V.; Bagramova, T. I. 39

ORG: Central Boiler and Turbine Institute im. T. I. Polzunov (Tsentról'nyy kotlo-  
turbínnyy instiút) B

TITLE: Susceptibility of austenitic steel welds to brittle failure at high temperature 18 18 18

SOURCE: Avtomaticheskaya svarka, no. 5, 1966, 1-5

TOPIC TAGS: steel, austenitic steel, steel welding, weld, weld brittle failure/  
Kh18N12T steel, Kh18N9 steel, Kh16N9M2 steel

ABSTRACT: The susceptibility to brittle failure of welded joints of Kh18N12T,  
Kh18N9 and Kh16N9M2 austenitic steels has been investigated. Specimens cut either  
from pipes with 27—37 mm thick walls or forgings 30—50 mm thick were subjected to  
bend tests at 500—800 C at a constant deformation rate (the TsKT1 method). Welded  
joints of Kh18N12T steel were found to be susceptible to brittle failure. The  
melting method, type of welding electrode, or preheating have no significant effect on  
the susceptibility to brittle failure. Welded joints of Kh18N9 steel were found to  
be less susceptible to brittle failure than those of Kh18N12T, especially when the  
carbon content was low and the steel contained no titanium. The highest resistance  
to brittle failure in the weld-adjacent zone was observed in Kh16N9M2 steel containing

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UDC: 621.791.019

L 27386-66

ACC NR: AP6015238

2% Mo. In all tested steels the probability of brittle failure diminishes when the weld strength is lower than that of the base metal. Austenitizing 1Kh18N12T and Kh18N9 steel welds had a beneficial effect on the weld ductility. Lowering the  $\alpha$ -phase content in a forged steel does not improve their resistance to brittle failure. Preheating up to 300 C, prior to welding and strain hardening of edges, has little or no effect on the susceptibility of steel to brittle failure. Orig. art. has: 8 figures. [ND]

SUB CODE: 13, 11/ SUBM DATE: 29Oct64/ ORIG REF: 007/ OTH REF: 001/ ATD PRESS: 4259

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SOV/135-59-11-17/26

18(5)

**AUTHORS:** Brovko, I.A., and Boyeva, K.I.

**TITLE:** New Welding Technology at the USSR National Economy Achievements Exhibition of 1959

**PERIODICAL:** Svarochnoye proizvodstvo, 1959, Nr 11, pp 36-40 (USSR)

**ABSTRACT:** At the 1959 Exhibition, the following new welding equipment was demonstrated: Automatic submerged-arc welding (2 units are briefly described in this article); Electroslag welding (2 units); Welding of metals in protective gases (10 units); Automatic vibro-arc surfacing (3 units); Friction welding (1 unit); Cold (press) welding (5 units); Ultra-sonic welding of thin sheet metals (2 units); Diffusion welding in vacuum (1 unit); Condenser welding of thin metals (5 units). The equipment and devices were constructed by: TsNIITMASH, Institute of Electric Welding imeni Ye. O. Paton, NIAT, VNIIESO, NIIKHIMMASH, Chelyabinsk Plant imeni S. Ordzhonikidze, Ural Polytechnic Institute imeni S.M. Kirov, Kiyev Institute of Electrotechnics AS UkrSSR, Laboratory of Diffusion Welding at the Moscow Technological Institute of Meat and Milk

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SOV/135-59-11-17/26

New Welding Technique at the USSR National Economy Achievements Exhibition of 1959

Industry, Experimental Welding Plant at the Mosgorsovnarkhoz, Institute of Metallurgy imeni Baykov AS USSR and Dnepropetrovsk Tube-Rolling Mill imeni Lenin. There are 1 diagram and 14 photographs.

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BOYEVA, K.I., ingh.; RAKHMANOV, A.D.

Conference and exhibit on welding in Hungary. Svar, proizv.  
no.1:41 Ja '64. (MIRA 17:1)

BOYEVA, K.I., inzh.

Welding equipment at the Exhibition of the Achievements of the  
National Economy of the U.S.S.R. in 1962. Svar. proizv. no.6:  
43-47 Je '63. (MIRA 16:12)

ACCESSION NR: AP4019878

S/0135/64/000/003/0038/0011

AUTHOR: Boyeva, K. I. (Engineer)

TITLE: Welding devices exhibited at the VDNKh SSSR in 1963

SOURCE: Svarochnoye proizvodstvo, no. 3, 1964, 38-41

TOPIC TAGS: welding, welding device, automatic welding, A306.06 welding assembly, SDVU 12 vacuum welding assembly, MRMK 6x200 semiautomatic welder, RVD 100 timing device, A 637 welding gun, AlMg alloy, ED 11 magnetographic defectoscope, UZD 60M ultrasonic defectoscope

ABSTRACT: A description of the welding equipment exhibited at the VDNKh SSSR in 1963 is given. Some of the devices described are: 1) a two-chamber welding assembly A306.06 for the diffusion welding of joints in electronic apparatus in vacuum and under hydrogen, argon, helium; 2) the SDVU-12 assembly for the vacuum welding of different metals, alloys, and nonmetals; 3) a semiautomatic welder MRMK-6x200 (produced by the plant "Elektrik") for welding automobile motor parts 1.2 and 1.5 mm thick and made of low carbon steel; 4) a timing regulator of the decatron type RVD-100, produced by Institut elektrosvarkl im. Ye. O. Patona

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ACCESSION NR: AP4019878

(Institute of Electrical Welding). This instrument controls the duration and the succession of the operations performed by a contact welder; 5) an A-837 welding gun for semiautomatic argon welding of pins 5-8 mm in diameter made of Al-Mg alloys of the type AMg; 6) a magnetographic defectoscope MD-11 produced by VNIIST for a visual inspection of the welded joints in pipes, in reservoirs, and in other steel structures; 7) an ultrasonic defectoscope UZD-60M exhibited by Leningradskiy NII mostov (Leningrad Scientific Research Institute of Bridges) for detecting various welding flaws (holes, cracks, peeling, etc.) and for determining their location in metallic products and joints. Orig. art. has: 9 figures.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 31Mar64

ENCL: 00

SUB CODE: MM

NO REF SOV: 000

OTHER: 000

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BOYEVA, K.I., inzh.

Welding equipment at the Exhibition of the Achievements of the  
National Economy of the U.S.S.R. in 1964. Svar. proizv. no.4:  
42-45 Ap '65. (MIRA 18:6)

BOYEVA, L. L., Cand Agr Sci -- (diss) "Microflora of the <sup>rhizosphere</sup> ~~root~~  
~~regions~~ <sup>of</sup> agricultural plants during various methods of soil  
<sup>cultivation</sup> ~~treatment~~." Voronezh, 1957. 17 pp. (Min Agr USSR, ~~Voronezhskiy~~  
Voronezh Agr Inst), 100 copies. (KL, 9-58, 120)

BOYEVA, L.I.

Effect of different methods of cultivation on soil microflora.  
Nauch.dokl.vys.shkoly; biol.nauki no.2:196-199 '63.

(MIRA 16:4)

1. Rekomendovana kafedroy mikrobiologii i fiziologii rasteniy  
Voronezhskogo sel'skokhozyaystvennogo instituta.  
(VORONEZH PROVINCE—SOIL MICRO-ORGANISMS)  
(TILLAGE)

CHEREMISINOV, Nikifor Andrianovich, prof.; BOYEVA, Lidiya  
Ivanovna, assistant; SEMIKHATOVA, Ol'ga Anatol'yevna,  
assistant; KAPYSHEVA, V.S., red.; PAVLOVA, V.A., tekhn.  
red.

[Practical training work in microbiology] Praktikum po mikro-  
biologii. Pod red. N.A. Cheremisinova. Moskva, Gos. izd-vo  
"Vysshaya shkola," 1961. 110 p. (MIRA 15:4)  
(MICROBIOLOGY—STUDY AND TEACHING)



USSR/General Problems of Pathology - Tumors. Human Tumors.

U.

Abs Jour : Ref Zhur - Biol., No 2, 1959, 8931

Author : Dimitrov, M.K., Boyeva, M.N.

Inst : -

Title : Remote Therapeutic Effect and Hyperergic Reaction in  
Radiation Therapy of Malignant Melanoma

Orig Pub : Vopr. onkologii, 1958, 4, No 1, 111-112

Abstract : A case of cutaneous melanoma of the skin of the back with metastases to adjacent areas is described. Close X-ray therapy was used in 17 fields with a total dose of 7000 r in each. As a result, a reduction or disappearance of metastases which had not been irradiated was observed in addition to the decrease in size of the main tumor and of the irradiated metastases; in addition, a hyperergic reaction occurred which was expressed in the appearance of an acute articular rheumatism and myocarditis. The patient died from metastases to the lung roots and pleura.  
-- N.A. Podkaminskiy

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BOYEVA, M. N., Cand Med Sci -- (diss) "Immunological study of pre-cancerous change in the tissue of the mammary gland in man." Moscow, 1960. 22 pp; (Academy of Medical Sciences USSR); 250 copies; price not given; (KL, 21-60, 129)

BOYEVA, M.N.

Specific antigens of precancer diseases of the breast in humans.  
Vop. onk. 6 no.6:52-56 Je '60. (MIRA 14:3)  
(BREAST--CANCER) (ANTIGENS AND ANTIBODIES)

BOYEVA, M.N.

Further study on the specific antigens of preneoplastic diseases  
of the human breast. Vop. onk. 6 no.7:34-42 Je '60. (MIRA 14:4)  
(BREAST--TUMORS) (ALLERGY)

BOYEVA M.

1. "The Problem of Preventive Medicine in a Socialist Society," Professor X.I. CHERNY, Chief of the Department of the Institute of Public Health, U.S.S.R. Ministry of Health, Moscow; pp 4-10.
2. "On the Virus Etiology of Typhus," P. LUDEKOV; pp 11-25.
3. "On the Antigenic Similarity between normal lead and the Antigenic Similarity between normal lead and typhus in man and pigs," BASHAROV and M. BOYEVA of the Virus Laboratory, Institute of Microbiology, U.S.S.R. Academy of Sciences, Moscow; pp 26-31.
4. "Cancerous Susceptibility in a Surrounding Medium and the Possibilities of Protection," Z. MEZHAKOVA of the Oncological Institute in Sofia; pp 32-35.
5. "Hygiene and Medicine," Professor A. PANEV; pp 37-45.
6. "Occupational Diseases in Bulgaria 1929-1960," NIKOLAI DIMITROV; pp 46-49.
7. "Fundamental Problems in the Labor Pathology of Agricultural Workers," Doctor EMILIO KAZDITZOV, Director of the Clinic for Occupational Diseases, Sofia; pp 50-53.
8. "Preventive Medicine via Sodium Citrate during Lead Poisoning and its Perspective Application in the Production of Carbon Lead Poisoning," Dr. I. STANKOV, Institute for Occupational Diseases (Institute of Occupational Diseases), Sofia; pp 54-59.
9. "The Reproductive Excellence of Certain Indicators for Changes in the Age and Sex Composition of the Population of Bulgaria," V. STOYCHEV, V. STOYEV, and G. STOYCHEV, Institute of Demography, Statistics and Labor Hygiene, Sofia; pp 60-62.

920

BASHKAYEV, I. S.; BOYEVA, M. N.

Heterogenic antigens of cancerous and normal human mammary glands. Vop. onk. 8 no.4:75-77 '62. (MIRA 15:4)

1. Iz laboratorii virusologii (sav. - prof. V. V. Gorodilova)  
Gosudarstvennogo onkologicheskogo instituta im. P. A. Gertsena  
(dir. - prof. A. N. Novikov)

(BREAST--CANCER) (ANTIGENS AND ANTIBODIES)

BASHKAYEV, I. S.; BOYEVA, M. N.

Heterogenic antigens of mouse carcinoma MAP. Vop. onk. 8 no.1:  
45-46 '62. (MIRA 15:2)

1. Iz virusologicheskoy laboratorii (sav. - prof. V. V. Gorodilova)  
Gosudarstvennogo onkologicheskogo instituta im. P. A. Gertsena  
(dir. - prof. A. N. Novikov).

(CANCER) (ANTIGENS AND ANTIBODIES)

BOYEVA, Mariya Nenova; CHERKASOVA, V.I., red.

[Immunological study of precancerous changes in human breast tissue] Immunologicheskoe izuchenie predrakovo izmenennoi tkani molochnoy shhelezy cheloveka. Moskva, Meditsina, 1964. 96 p. (MIRA 17:11)



BOYEVA, M.P. (Leningrad, per. Savushkina, d.7., kv. 38)

Errors in the diagnosis and treatment of retroperitoneal tumors.  
Vestn. khir. Grekov. 90 no.4:112-116 Ap'63 (MIRA 17:2)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - prof.  
V.I.Kolesov) 1-go Leningradskogo meditsinskogo instituta imeni  
I.P. Pavlova.

BOYEVA, N.F.

Improving the elements of the planet (39)  
Laetitia. Biul.. Inst. teor. astron. 4 no.5, 1949

BOYEVA, N.F.

Comet 1941e DuToit-Neujmin-Delporte  
Biul. Inst. teor. astron. 5 no.1, 1951

22281

S/152/61/000/004/002/009  
B126/B219

11.1210

AUTHORS: Panohenkov, G. M., Bazilevich, V. V., Boyeva, R. S.,  
Zlotchenko, V. N., Nikolov, N. I.

TITLE: Investigation of the influence of the catalyst composition  
on the hydrocarbon content of gasolines from catalytic  
cracking

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Neft' i gaz, no. 4,  
1961, 57-62

TEXT: The above investigation was carried out in view of the growing  
importance of petroleum as a raw material for chemical synthesis. The  
combined method of B. A. Kazanskiy and G. S. Landsberg for detailed  
examination of gasolines served as a basis, (Ref.3: Landsberg G. S.,  
Kazanskiy B. A., Bazhulin P. A., Bulanova T. F., Liberman A. L.,  
Mikhaylova Ye. A., Plate A. F., Sterin Kh. Ye., Sushchinskiy M. M.,  
Tarasova G. A., Ukholin S. A. "Opredeleniye individual'nogo uglevodorod-  
nogo sostava benzinov pryamoy gonki kombinirovannym metodom" ("Determina-  
tion of the individual hydrocarbon content in straight-run gasolines by a

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S/152/61/000/004/002/009  
B126/B219

Investigation of the influence...

combined method"), Izd-vo AN SSSR, 1959; Ref. 4: Landsberg G. S., Bazhulin P. A., Sushchinskiy M. M. "Osnovnyye parametry spektrov kombinatsionnogo rasseyaniya uglevodorodov" ("Basic parameters of the spectra of Raman scattering from hydrocarbons"), Izd-vo AN SSSR, 1956). A distillate with a boiling interval at 300-400°C was used as initial raw material. Cracking was brought about in the laboratory at a temperature of 475°C and a feed rate of the raw material of 0.7 ml/hr, and lasted for 1 hr. The experiment was carried out under the same conditions in two equal apparatuses with aluminum silicate catalysts of various  $Al_2O_3$  content, viz. a commercial aluminum silicate catalyst consisting of 12.8%  $Al_2O_3$ , 85.1%  $SiO_2$ , 0.2%  $Fe_2O_3$ , 0.05%  $Cr_2O_3$ , and a synthetic aluminum silicate catalyst with 30%  $Al_2O_3$  and 70%  $SiO_2$ . The fractions 55-95 and 95-122°C were subjected to chromatographic adsorption, the losses being far less through use of the method of A. V. Topchiyev and collaborators (Ref. 6: "Khimiya i tekhnologiya topliva i masel", no. 11, 1957). In the determination of the individual composition of the narrow-band fractions, the method of the Raman spectra was used. The results of the investigation showed that the catalyst with the higher  $Al_2O_3$  content

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Investigation of the influence...

has a greater isomerizing effect. The dehydrogenating effect of this catalyst is greater too. The catalyst with  $Al_2O_3$  and  $Cr_2O_3$  content has a greater cyclization effect. With this catalyst, gasoline with a higher aromatic and naphthenic hydrocarbon content was obtained. There are 6 tables and 7 references: 5 Soviet-bloc and 2 non-Soviet-bloc. The two references to English language publications read as follows: Molpolder F. W., Brown P. A., Young W. S., and Headington C. E., Ind.Eng.Chem., 44, 1142, 1952; Cady W. E., Marsehner R. F., Cropper W.P., Ind.Eng.Chem., 44, 1850, 1952.

ASSOCIATION: Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti im. akad. I. M. Gubkina (Moscow Institute of Petrochemical and Gas Industry imeni Academician I.M.Gubkin) X

SUBMITTED: December 8, 1960

Card 3/3

BOYEVA, T.P.

Materials on the study of parasites of fishes and man in the  
Saratov region of the Volga flood plain. Trudy sov. ikht. kon.  
no.9:206-207 '59. (MIRA 13:5)

1. Kafedra obshchey biologii Saratovskogo meditsinskogo  
instituta.

(Saratov region--Liver fluke)

(Fishes as carriers of disease)

BOYEVA, YE. M.

BOYEVA, YE. M. — "Dynamic Disturbances of the Cerebral Circulation in the Case of Hypertensive Disease. (Clinicophysiological and Experimental Investigation)." Min Public Health USSR, Central Inst for the Advanced Training of Physicians, Moscow, 1955. (Dissertation For the Degree of Candidate in Medical Sciences).

SO: Knishnava letopis', No. 37, 3 September 1955



GRASHCHENKOV, N.I., prof., BOYEVA, Ye.M., kand.med.nauk

Dynamic disturbances of brain circulation. Vest. AMN SSSR 13 no.10:  
48-57 '58 (MIRA 11:10)

1. Deyatvitel'nyy khlen AMN SSSR (for Granshchenkov).  
(BRAIN, blood supply  
circ. disord. (Rus))

KASSIL', Grigoriy Naumovich; BOYEVA, Ye.M.; VEIN, A.M.

[Treatment by acupuncture (chen-chiu)] Lechenie igloukalyvaniem;  
chzhen'-tsiuterapiia. Moskva, Znanie, 1959. 30 p. (Vsesoiuznoe  
obshchestvo po rasprostraneniuiu politicheskikh i nauchnykh znanii.  
Ser.8: Biologiya i meditsina, no.17). (MIRA 13:6)  
(ACUPUNCTURE)

KASSIL', G.N.; BOYEVA, Ye.M.; VEYN, A.M.; KAMENETSKAYA, B.I.; MAL'TSINA, V.S.;  
MEL'NIKOVA, Ye.M.; FISHMAN, M.N.

Mechanisms of therapeutic effects in acupuncture. Vest.AMN SSSR  
16 no.3:37-47 '61. (MIRA 14:7)

1. Iz laboratorii reflektornoy terapii (rukovoditel' - deystvitel'nyy  
chlen AMN SSSR N.I.Grashchenkov) Instituta psikhologii (dir. - prof.  
D.D.Fedotov) AMN SSSR.

(ACUPUNCTURE)

BOYEVA, Ye. M., kand. med. nauk; GRASHCHENKOV, N.I., prof.; KAMENTETSKAYA,  
B.I., kand. med. nauk (Moskva)

State of vascular permeability and mechanisms of its disorder in  
acute cerebro cranial injury. Vop. neurokhir. 27 no.6:1-6 N-D '63.  
(MIRA 17:12)

1. Laboratoriya klinicheskoy neyrofiziologii (zav. - prof. N.I. Gra-  
shchenkov) AMN SSSR. 2. Deystvitel'nyy chlen AMN SSSR (for Grashchen-  
kov).

GRASHCHENKOV, I.I., prof.; ~~BOYEVA, Ye.M.~~, kand. med. nauk; VEYN, A.M.,  
kand. med. nauk; GEKHT, B.M.; IL'INA, N.A., kand. med. nauk;  
ROMASENKO, V.A., kand. med. nauk; YAKOVLEVA, N.A., tekhn.  
red.

[The neuropathologist's handbook] Spravochnik nevropatologa.  
Pod obshchei red. N.I.Grashchenkova. Moskva, Medgiz, 1962.  
374 p. (MIRA 15:9)

1. Chlen-korrespondent Akademii nauk SSSR deystvitel'nyy chlen  
Akademii meditsinskikh nauk SSSR (for Grashchenkov)

(NERVOUS SYSTEM--DISEASES)

BOYEVA, Ye.M.; GRASHCHENKOV, N.I.; KAMENETSKAYA, B.I.; MEL'NIKOVA, Ye.M.

Use of steroid hormones in the acute period of a closed  
cerebrocranial trauma. Zhur. nevr. i psikh. 64 no.3:380-385  
'64. (MIRA 17:5)

1. Laboratoriya klinicheskoy neyrofiziologii (zaveduyushchiy -  
prof. N.I. Grashchenkov). AMN SSSR, Moskva.

BOYEVA, Ye.M., kand. med. nauk; MAL'TSINA, V.S.; RAYT, M.L.;  
FABRICHNAYA, V.A.; SHEBALKINA, T.P.

Experience in the use of acupuncture in vasomotor rhinitis.  
Vest. oto-rin. 25 no.2:23-27. Mr-Apr '63. (MIRA 17:1)

1. Iz polikliniki po lecheniyu passtroystv slukha i rechi  
i laboratorii reflektornoy terapii (nauchnyy rukovoditel' -  
prof. G.N. Kassil') AMN SSSR, Moskva.

BOYEVA, Ye.M.; VEYN, A.M.; KAMENETSKAYA, B.I.; FISHMAN, M.N.

New materials on the effect of acupuncture on the vegetative nervous system. Sbor. trud. GMI no.9:63-72 '62.

(MIRA 17:2)

1. Laboratoriya refleksoterapii instituta psikiatrii AMN SSSR (zav. -- chlen-korrespondent AN SSSR N.I. Greshchenkov. Nauchnyy rukovoditel' prof. G.N. Kassil').



KASSIL', G.N.; BOYEVA, Ye.M.; VEYN, A.M.; KAMENETSKAYA, B.I.; MAL'TSINA, V.S.;  
MEL'NIKOVA, Ye.M.; RAYT, M.L.

Acupuncture as a reflex method of treatment and its specific  
characteristics. Vop. kur., fizioter. i lech. fiz. kul't.  
28 no.5:415-419 S-0 '63. (MIRA 17:9)

1. Iz laboratorii reflektornoy terapii AMN SSSR.

~~BOYEVA, Ye.M.~~, kand. med. nauk; GRASHCHENKOV, N.I., prof.; KAMENETSKAYA, B.I., kand. med. nauk; KASSIL', G.N., prof.; MEL'NIKOVA, Ye.M. FISHMAN, M.N., kand. biolog. nauk (Moskva)

Dysfunction of the hypothalamic region of the brain in the acute stage of closed craniocerebral injuries. Klin. med. 41 no.9:113-119 S'63 (MIRA 17:3)

1. Iz laboratorii klinicheskoy neyrofiziologii ( zav. - deystvitel'nyy chlen AMN SSSR prof. N.I. Grashchenko) AMN SSSR i laboratorii ney-gumoral'noy regulatsii ( zav. - deystvitel'nyy chlen AMN SSSR prof. N.I. Grashchenko) AN SSSR.

KASSIL', G.N.; GRASHCHENKOV, N.I.; MATLINA, E.Sh.; BOYEVA, Ya.M.

Sympatheticoadrenal system in an acute craniocerebral injury.  
Dokl. AN SSSR 158 no.6:1455-1458 O '64.

(MIRA 17:12)

1. Laboratoriya po izucheniyu nervnykh i gumoral'nykh regulatsiy  
AN SSSR. 2. Chlen-korrespondent AN SSSR (for Grashchenkov).

Ye. Yu. Boyeva

USSR Cultivated Plants. Fruits. Berries.

M

Abs Jour: Ref Zhur-Biol., No 5, 1958, 20512.

Author : Ye. Yu. Boyeva  
Inst : The Southern Institute for Hydrotechnics and Melioration  
Title : Grape Irrigation in the Steppe Portion of the Kabardinian  
Autonomous Soviet Socialist Republic. (Oroshekiye vino-  
gradnikov v stepnoy chastl Kabardinskoy ASSR).

Orig Pub: Sb. tr. Yuzhnogo n.-i., in-ta gidrotekhn. i melior., 1956,  
vyp. 4, 203-210.

Abstract: At the Malo-Kabardinskiy Test Irrigation Station the  
effect of irrigation on fertilized and non-fertilized ground  
was studied. The best action came from watering at 75%  
of the full moisture capacity given 1 time in the shoot  
phase of growth, and 1-2 times during the berry growth  
phase (with an irrigation rate of 800-1000 cubic meters

Card : 1/2

BOYEVA, Ye. Yu., Cand Agr Sci -- (diss) "Irrigation of vineyards in the steppe region of the Kabardino-Balkarskaya ASSR." Novocherkassk, 1957. 16 pp; (Ministry of Agriculture RSFSR, Novocherkassk Engineering-Land-reclamation Inst); number of copies not given; price not given; (KL, 17-60, 162)

BOYEVOY, G.

Construction of commercial centers in Tambov Province. Sel'.  
stroi. 16 no.10:6-7 0 '61. (MIRA 14:11)

1. Nachal'nik Tambovskogo oblastnogo ob'yedineniya Sel'khoz-  
tekhniki.

(Tambov Province--Warehouses)

(Tambov Province--Precast concrete construction)

BOYEVSKAYA, G. I.

24322

BOYEVSKAYA, G. I. Vliyaniye sveta i ego vyklyucheniya na razvitiye allergicheskikh reaktsiy (Fenomenov Artyusa i Shvartsmana). Uchen. zapiski (Odes. Gos. nauch.-issled. psikhonevrol. in-t), VIP. 1, 1949, G. 115-20.

SO: Letopis, No. 32, 1949.

BOYEVSKAYA, G.I.

Attempt to detect antigen in serums in early forms of syphilis.  
Vest. vener. no.2:34-36 Mar-Apr 1951. (GML 20:9)

1. Senior Scientific Associate. 2. Of the Serological Laboratory  
(Head--Candidate Biological Sciences G.I. Boyevskaya), Dermato-  
Venereological Institute imeni Glavche (Director--B.I. Shpolyanskiy).



BOEVSKIY, A.S.

"Scheme of Work for the Study of Conditions of Over-wintering and Distribution of Rust of Grains in Talovskii Raion," in Systematic Instructions on the Plan of Research Work of the All Union Institute of Plant Protection in 1935, Institute of Plant Protection, Leningrad, 1935, pp. 35-36. 464.4 L54M

So: SIRA S1 90-53, 15 Dec. 1953

BOEVSKIY, A. S.

"Determination of the Regularity of the Resumption of the Dynamics of Propagation and Distribution of Rusts in the territory of Talovskii Raion," in Systematic Instructions on the Plan of Research Work of the All Union Institute of Plant Protection in 1935, Institute of Plant Protection Leningrad, 1935, p. 36. 464.4 L54M

So: SIRA Si 90-35, 15 Dec. 1953

BOEVSKTY, A. S.

PROIDA, P. A., BOEVSKIY, A. S., and MAKLAKOVA, G. F. "Evaluation of Systems and Separate Measures (for Controlling Smut of Cereals)," in Systematic Instructions on the Plan of Research Work of the All Union Institute of Plant Protection in 1935, Institute of Plant Protection, Leningrad, 1935, pp. 38-41. 464.4 I54M

So: Sira SI-90-53, 15 Dec 1953

BOEVSKIY, A. S. (BOEVSKY, A. S.)

"The Spread of Brown Leaf Rust in Wheat Fields," Itogi Nauchno-Issledovatel'skikh Rabot Vsesoiuznogo Instituta Zashchity Rastenii za 1935 Goda, 1936, pp. 111-116. 423.92  
I.54I

So: SIRA Si 90-53, 15 Dec. 1953

BOEVSKIY, A. S.

"Study on the Hibernation of Puccinia triticina and P. coronifera," Itogi Nauchno-Issledovatel'skikh Rabot Vsesoiuznogo Instituta Zashchity Rastenii za 1935 Goda, 1936, pp. 116-118 L54I

So: SIRA Si 90-53, 15 Dec. 1953

BOEVSKIY, A. S.

"Diseases of Perennial Grasses and Legumes and Measures for Their Control," in Grass Sowing and Seed Production of Perennial Grasses, State Publishers of Agricultural literature, Moscow, 1950, pp. 621-626 60.19 Un32

So: SIRA 90-53, 15 Dec. 1953

BOYEVSKIY, A.S., kand.biolog.nauk; MOKROTOVAROV, S.P.

Method for exterminating the covered smut of barley. Zashch.  
rast. ot vred. i bol. 6 no.9:23-24 S '61. (MIRA 16:5)

1. Voronezhskaya stantsiya Vsesoyuznogo instituta zaschity  
rasteniy.  
(Barley—Diseases and pests) (Smuts)

BOYEVSKIY, A.S.; RODINA, K.I., mladshiy nauchnyy sotrudnik

Need for quality control in seed disinfection. Zashch. rast. ot  
vred, 1 bol. 8 no.9:8 S '63. (MIRA 16:10)

1. Zaveduyushchiy laboratoriyey fitopatologii Voronezhskoy stantsii Vsesoyuznogo instituta zashchity rasteniy (for Boyevskiy).
2. Voronezhskaya stantsiya Vsesoyuznogo instituta zashchity rasteniy (for Rodina).



BOYEVSKIY, A.S.

Our help to production. Zashch. rast. ot vred. i bol. 9 no.3:  
4-5 '64. (MIRA 17:4)

1. Ispolnyayushchiy obyazannosti direktora Voronezhskoy stantsii  
Vsesoyuznogo instituta zashchity rasteniy.

BOYANA, A.V.

✓ Cultivation of red oak on sandy soils of Polesia. A. V. Boyka and V. S. P. Rebitz. *Trudy Inst. Lesn. Khim. i Sel'sk. Khim. S.S.S.R.* 1956, No. 1, pp. 1-10. (Russian)

COUNTRY : USSR  
CATEGORY : Forestry. Forest Management K  
ABS. JOUR. : RZhBiol., No. 2, 1959, No. 6171  
AUTHOR : Kastsyukevich, N.I.; Boyka, A.V.  
INST. : AS Belorussian SSR  
TITLE : Influence of Felling Maintenance on General  
Productivity of Pine Plantations.  
ORIG. PUB. : Izv. AN BSSR. Ser. biol. n., 1957, No.4, 37-44  
ABSTRACT : No abstract.

CARD: 1/1

BOYKA, K.M.

report to be submitted for the IUPAC 21st Conference and 10th Intl. Congress of Pure and Applied Chemistry, Montreal, Canada, 2-12 August 1961

ALPARETTI, I. P., and ZOLOTOV, Yu. A., Institute of Geochemistry and Analytical Chemistry Ussr Academy of Sciences USSR "Extractions of metal chelate compounds as a function of the nature of the solvent" (to be presented in Russian) (Section C.2, 11 Aug 61, morning)

BOYKA, K. M., and REZKHAIZ, V. A., Scientific Research Physics-Chemical Institute Ussr Academy of Sciences USSR "Some aspects of energy transfer in oxidation chemistry" (Section A.1, Session II - 7 Aug 61, morning)

DELIMARSKII, Yu. K., Institute of General and Inorganic Chemistry, Academy of Sciences USSR, Kiev - "The kinetics of the electrode processes in the electrolysis of molten salts" (Section B.3 - 10 Aug 61, morning)

DELIMARSKII, Yu. K., and BOYKA, K. M., (Fossil) Ussr Academy of Sciences USSR, Kiev - "Electrochemical synthesis of boron compounds with molten borate and phosphate" (Section A.3, c, (2), Session I - 11 Aug 61, morning)

DELIMARSKII, Yu. K., and SHILINA, G. V., Institute of General and Inorganic Chemistry, Academy of Sciences USSR, Kiev - "On the convection and thermal stability of molten salts" (Section B.3 - 9 Aug 61, afternoon)

GRADOV, M. I., Moscow State University Ussr M. V. Lomonosov, (Co-Chairman, Section A.3, c, (2), Session I(2), 11 Aug 61, afternoon)

GRADOV, M. I., LAVROV, V. I., KUZNETSOV, V. A., and REZKHAIZ, V. A., Moscow State University Ussr M. V. Lomonosov - "The thermodynamic properties of columbium and cerium oxides" (Section A.3, c, (3), Session II(A), 11 Aug 61, morning)

GRADOV, M. I., Institute of Chemical Physics, Academy of Sciences USSR - "The proton radioactivity - a new kind of radioactive decay of nuclei" (Section A.3 - 7 Aug 61, morning)

TUTORSKIY, I.A.; BOYKACHEVA, E.G.; POL'SMAN, G.S.; SHABADASH, A.N.;  
DOGADKIN, B.A.

Structures of cyclic isomers of polyisoprenes. Vysokom. soed.  
7 no.8:1394-1399 Ag '65. (MIRA 18:9)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii.

BOYKEVICH, M.I.; LOGVINENKO, T.M.; SADOV, I.Ya.

[High quality long distance communication] Distantzii sviasi  
otlichnogo kachestva. [Refektor I. Ia. Sadv] Moskva, Transzhel-  
dorisdat, 1952. (MIRA 9:3)  
(Railroads--Telephone) (Telegraphers)

BOYKEVICH, M.I.

Device for checking for a decrease of insulation resistance.  
Avtom., telex. i svyaz' 2 no.3:21-22 Mr '58. (MIRA 13:1)

1. Nachal'nik Dnepropetrovskoy distantsii signalizatsii i svyazi  
Stalinskoy dorogi.

(Electric insulators and insulation)

BOYKEVICH, Mikhail Ivanovich; KARVATSKIY, S.B., inzh., retsenzent; FESENKO, I.A., inzh., retsenzent; MARENKOVA, G.I., inzh., red.; KHITROV, P.A., tekhn. red.

[Reception and checking-out of centralized traffic control devices; experience of communication workers of the Stalin Railroad] Priemka i regulirovka ustroystv dispetcherskoi tsentralizatsii; opyt kollektiva sviasistov Stalinskoi dorogi. Moskva, Vses. izdatel'sko poligr. ob"edi- denie M-va putei soobshchenia, 1961. 29 p. (MIRA 14:7)

(Railroads--Signalin--Centralized traffic control)

(Railroads--Electronic equipment)



BOYKEVICH, M.I.

Protection of rail network devices from overvoltages. Avt., telem.  
i sviaz' 5 no.1:28 Ja '61. (MIRA 14:3)

1. Zamestitel' nachal'nika sluzhby signalizatsii i svyazi  
Stalinskoy dorogi.  
(Electric railroads) (Electric protection)

BOYKEVICH, M.I.

New technological innovations have been introduced. Avtom.,  
telem. i sviaz' 5 no.10:8-10 0 '61. (MIRA 14:9)

1. Zamestitel' nachal'nika sluzhby signalizatsii i svyazi  
Stalinskoy dorogi.

(Railroads--Signaling)  
(Railroads--Electronic equipment)

BOYKEVICH, M. I.

Experience in the operation of track circuits with a frequency  
of 25 c.p.s. Avtom., telem. i svias' 7 no. 4:25-27 - Ap '63.  
(MIRA 16:4)

1. Glavnyy inzh. sluzhby signalizatsii i svyazi Pridneprovskoy  
dorogi.

(Railroads—Signaling)

1. BOYKHOVITINA, N.A.
2. USSR (600)
4. Geology, Stratigraphic
7. Pollen of conifers from Mesozoic deposits and its significance to stratigraphy, Izv.AN SSSR.Ser.geol. no. 5, 1952.

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

BOYKHOVITINA, YU. N.

USSR.

Significance of the coating membrane of starch grains in relation to the properties of starch. M. I. Knyaginichev, Yu. R. Boykholina, and T. A. Maksakova (Technol. Inst. Food Ind., Leningrad). *Bizhnitsya* 20, 110-22 (1955).—The coating membrane of potato starch grains can be destroyed at room temp. with dil. solns. of  $H_2SO_4$ ,  $HCl$ ,  $KMnO_4$ , or by heating the dry starch to  $150^\circ$ , without affecting the starch granules as such.  $Na$  silylate in soln. enters into a complex with the starch. The adhesive properties of starch depend largely upon the outer coating of the grains. The degree of hydrolysis by  $\beta$ -amylase is the same in starch paste prepd. from starch with destroyed or original outer coatings, indicating basic difference between the substance of the outer coatings and the amylopectins. The starch of the surface layers of the potato granules is not hydrolyzed by  $\beta$ -amylase in the course of time of the av. expt. B. S. Levine

*BOYKHOVITINOV, N.F.*

KASHCHENKO, Georgiy Antonovich, professor; GLIKMAN, L.A., professor,  
doktor tekhnicheskikh nauk, redaktor; LEYKINA, T.L., redaktor  
izdatel'stva; ~~BOYKHOVITINOV, N.F.~~ professor, doktor tekhnicheskikh  
nauk, professor, rezensent; SOKOLOVA, L.V., tekhnicheskij redaktor.

[Principles of physical metallurgy] Osnovy metallovedeniya. Izd. 3-e,  
dop. i perer. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry.  
1957. 395 p. (MIRA 10:6)

(Physical metallurgy)

BOYKIKEVA, S. [Boikikeva, S.]; YONKOV, St. [Ionkov, St.]; STOYKOV, St.  
[Stoikov, St.] OVAGUIMOV, O.

Therapeutic effects in the treatment of Bechterew's disease  
Using glutamic acid electrophoresis. Folia med. (Plovdiv) 6  
no.5:320-328 '64

1. Institut de Hautes Etudes Medicales "I.P.Pavlov" de Plov-  
div, Bulgarie, Chaire de Therapie de Faculte avec Physio-  
therapie. (Directeur: prof. B. Uroukov).

BOIKINA, F. S.

B. S. Boikina. " speedy method for determination of benzol vapors in the air. P. 1400

State Scient. Res. Inst. of Labor Hygiene and Occupational Diseases.

SO: Industrial Laboratory (USSR) 16, No. 11 (Nov. 1950)



BOYKINA. B. S.

180T7

USSR/Chemistry - Analysis, Air

Nov 50

"Rapid Method for Determination of Benzene Vapors in the Air," B. S. Boykina, State Sci Res Inst Labor Hygiene and Occupational Diseases

"Zavod Lab" No 11, pp 1400, 1401

New simplified method for detn of benzene is mainly based on replacing std soln of dinitrobenzene by permanent dry set of artificialstd made on base of colored cellophane. Results of anal may be obtained approximately in 1 hr after sampling.

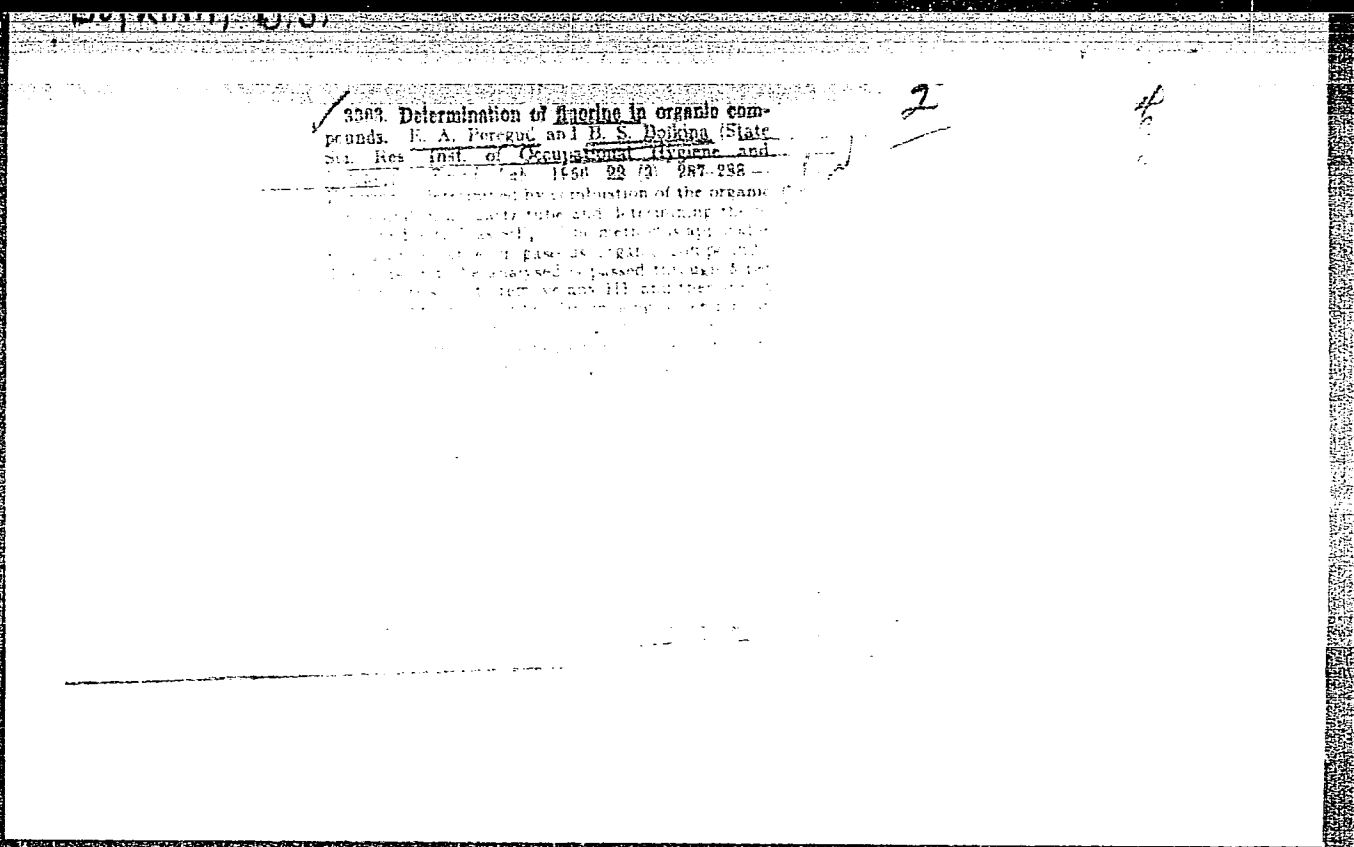
180T7

BOYKINA, B.S.

FEREGUD, Ye.A.; BOYKINA, B.S.

Determination of vapors of fluoorganic compounds in air. Zhur. Anal. Khim.  
8, 178-81 '53. (MLRA 6:5)  
(CA 47 no.20:10409 '53)

1. State Sci. Research Inst. Ind. Hyg. & Occupational Hazards, Leningrad.



BOYKINA, B.S.

✓ Determination of nitroparaffins in air. E. A. Pereguin and  
 B. S. Boykina. *Zapiskiye Lab.* 22, 292-4 (1930); cf. Jones  
 and Ridd, *C.A.* 45: 8783. Nitroethane, 1- and 2-nitro-  
 propanes, and 1-nitrobutane were made up into 0.1 mg./ml.  
 solns. in concd. H<sub>2</sub>SO<sub>4</sub>, the solns. were made up (0.25-2 ml.  
 of each of the above being used) to 2 ml. with H<sub>2</sub>SO<sub>4</sub>, shaken,  
 and immersed in boiling water 0.5 hr.; after cooling, trans-  
 ferred to 25-ml. flasks with 10 ml. H<sub>2</sub>O, neutralized with  
 8N NaOH, the aliquots were made up to 4 ml., treated with  
 2 ml. Griess reagent, and after 15 min. the colors were com-  
 pared with standards made up with different concns. of Na-  
 NO<sub>2</sub>. Max. color develops in 15 min. and stays for several  
 days. The following empirical conversion coeffs. were found  
 to convert the found amount of nitrite to the nitro paraffin  
 content: nitromethane 2.00, nitroethane 5.0; 2-nitropro-  
 pane 2.00, 1-nitropropane 3.5, 1-nitrobutane 3.26. Powd.  
 KI acts as a good filter for N oxides without retaining appre-  
 ciable amounts of nitro paraffins. C. M. Kosolapoff

2

10000

PM

BOYKINA, B. S.

method is 0.25 - 1 in 2 ml. The sensitivity of this method is 0.25 - 1 in 2 ml. M. Hoshirami //

PEREGUD, Ye.A., doktor biol.nauk, ~~BOYKINA, B.S.~~, nauchnyy sotrudnik

Sanitary and chemical characteristics of organic silicic polymers with special reference to polymethylsiloxanic rubber. Gig. i san. 23 no.8:66-68 Ag '58 (MIRA 11:9)

1. Iz Leningradskogo nauchno-issledovatel'skogo instituta gigiyeny truda i professional'nykh zabolevaniy.

(SILICON,

silicon rubber, sanit. aspects (Rus))

(RUBBER,

same (Rus))

5(2)

## AUTHORS:

Peregud, Ye. A., Boykina, B. S.

SOV/75-14-1-31/32

## TITLE:

A Micro-Method for Determining Fluorine Monoxide (Mikrometod opredeleniya monookisi ftora)

## PERIODICAL:

Zhurnal analiticheskoy khimii, 1959, Vol 14, Nr 1, pp 141-142 (USSR)

## ABSTRACT:

Fluorine monoxide  $OF_2$  is a colorless and very poisonous gas which is even more dangerous than elementary fluorine (Ref 1). Larger concentrations of  $OF_2$  can be iodometrically determined (Ref 2). In the present paper a method is worked out for the determination of  $\gamma$ -quantities of fluorine monoxide in air. As  $OF_2$  is a strong oxidizing medium, various analytical redox reactions were investigated which lead to the development of a coloring in the absorption solution itself. It was, however, found that fluorine monoxide reacts only very slowly with aqueous solutions because it is difficultly soluble in water. The nature of the method of determining traces of  $OF_2$  in air, which was worked out by the authors, consists in eliminating bromine from potassium bromide by means of fluorine monoxide. The bromine formed reacts with fluorescein to the accompani-

Card 1/3

## A Micro-Method for Determining Fluorine Monoxide

SOV/75-14-1-31/32

ment of the formation of tetrabromofluorescein (eosin), which is of red color. The air to be investigated, which contains  $OF_2$ , is led through a tube with indicator powder (silica gel saturated with fluorescein), whereby the initial yellow color of the powder grows red. The length of the colored zone is proportional to the quantity of  $OF_2$ . The optimum conditions of determination were found by numerous experiments. The production of the glass tubes containing the indicator powder is very accurately described in this paper. The standard conditions worked out for the preparation of the indicator tubes must be rigidly adhered to because the tube diameter, the tightness of stuffing, the size of the silica gel particles, and the concentration of reagents in the absorbed solution influence the length of the colored zone. 1 mm of the tubes produced in this manner corresponds to 0.334  $\mu OF_2$ . The manner in which determination is carried out is described in detail in this paper. There are 3 Soviet references.

ASSOCIATION:  
Card 2/3

Gosudarstvennyy nauchno-issledovatel'skiy institut gigiyeny truda i profzabolevaniy, Leningrad (State Scientific Research



A Micro-Method for Determining Fluorine Monoxide

SOV/75-14-1-31/32

Institute for Work Hygiene and Occupational Diseases,  
Leningrad)

SUBMITTED: February 16, 1957

Card 3/3

PEREGUD, Ye.A., prof.; BOYKINA, B.S.

Methods of determining epichlorohydrin and 4,4'-isopropylidene-  
diphenol in the air. Gig. i san. 25 no.4:71-74 Ap '60.

(MIRA 13:8)

1. Iz Leningradskogo nauchno-issledovatel'skogo instituta gigiyeny  
truda i professional'nykh zabolevaniy.

(AIR--POLLUTION)

(PHENOL)

(EPICHLOROHYDRIN)

PEREGUD, Ye.A.; BOYKINA, B.S.

Direct photometric method for the determination of small amounts  
of hydrogen fluoride. Zhur.anal.khim. 17 no.5:611-613 Ag  
'62. (MIRA 16:3)

1. Leningrad Institute of Work Hygiene and Occupational Diseases.  
(Hydrofluoric acid) (Photometry)

PEREGUD, Ye.A.; STEPANENKO, E.S.; BOYKINA, B.S.

Determination of very small amounts of acids in air. Zhur.  
anal.khim. 17 no.6:770-771 S '62. (MIRA 16:1)

1. Leningradskiy nauchno-issledovatel'skiy institut gigiyeny  
truda i professional'nykh zabolevaniy.  
(Acids) (Air-Analysis)

PEREGUD, Ye.A.; BOYKINA, B.S.

Indicator Methods for the determination of nickel carbonyl  
in the air. Zav. lab. 29 no.6:674-675 '63. (MIRA 16:6)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut gigiyeny  
truda i professional'nykh zabolevaniy.  
(Nickel carbonyl) (Air—Analysis)

BOYKINOV, I.

Progressive Premium (Bonus) System for the Payment of Labor in the  
Timber (Lumbering) Industry. In the Bulgarian Heavy Industry, 4:23:April 55

BOYKINSKI, PETKO

The Collective Workers Team of the Metal Cutting Machine Tools Plant  
Named after "V. CHERVENKOV." Reveals New Internal Plant Reserves.  
In the Bulgarian Heavy Industry, 2:55:Feb 55

BOYKINSKI, P.

For Revealing the Internal Production Reserves of the "Anton Ivanov"  
Refrigerator and Equipment Plant.

TEZHKA PROMISHLENOST ( Heavy Industry) Issue #10; 56; October 1955



BOYKIY, B. V.

Gornoe delo Mining. Ugletekhizdat. 1953. 742 p.

SO: Monthly List of Russian Accessions, Vol. 7 No. 1 April 1954.

BOYKO, A., kand. tekhn. nauk

Helicopters help in construction. Grashd. av 17 no. 3:8-  
Mr '60. (MIRA 13:6)  
(Helicopters) (Building)

BOYKO, A.

The coal mining industry of the U.S.S.R. today. Sov.shakht.  
10 no.8:10-13 Ag '61. (MIRA 14:8)

1. Nachal'nik otdela ugol'noy, toryfyanoy i slantsevoy  
promyshlennosti Gosplana SSSR, chlen Gosplana SSSR.  
(Coal mines and mining)

BOYKO, A.

There is much work ahead of us. Sov.shakht. 11 no.1:4-6 Ja '62.

(MIRA 14:12)

1. Nachal'nik otdela ugol'noy, slantsevoy i torfyanoy promyshlennosti  
Gosplana SSSR, chlen Gosplana SSSR.

(Coal mines and mining)