

NEYMARK, F. M.; LUGOVAYA, L. V.; BELOVA, N. D.

Parapertussis bacillus and its significance in whooping cough.
Zhur. mikrobiol., epid. i immun. 32 no.8:49-53 Ag '61.
(MIRA 15:7)

1. Iz Moskovskoy gorodskoy sanitarno-epidemiologicheskoy stantsii.

(WHOOPING COUGH)

TOPOLYANSKAYA, S.I.; PUKHNAREVICH, A.F.; BELOVA, N.D.; GRINBERG, TS.B.;
LEV, M.S.; LEBEDEVA, V.G.; ROGINSKAYA, N.S.

Effectiveness of pertussis vaccinations. Zhur. mikrobiol., epid.
i immun. 40 no.9:18-22 S'63. (MIRA 17:5)

1. Iz Sanitarno-epidemiologicheskoy stantsii Kalinskogo rayona
Moskvy..

TOPOLYANSKAYA, S.I.; BELOVA, N.D.; PUKHNAREVICH, A.F.; FEDOROVA, O.A.

Phage prophylaxis of dysentery in day nurseries. Zhur.mikrobiol.,
epid. i immun. 42 no.9:124-125 S '65.

(MIRA 18:12)

1. Sanitarno-epidemiologicheskaya stantsiya Kalininskogo rayona
Moskvy. Submitted June 30, 1964.

BELOVA, N.I.

Philosophical problems of soil science. Pochvovedenie no.3:42-49
Mz '59. (MIRA 12:11)

1. Kafedra filosofii AN SSSR.
(Soil research)

KAURICHEV, I.S., kand.sei'skokhozyaystvennykh nauk; BELOVA, N.I., kand.
filos, nauk

Philosophical problems pertaining to the theory of soil for-
mation. Izv.TSKhA no.4:63-74 '59. (MIRA 12:11)
(Soil formation)

BELOVA, N.I., otv. red.; MANSUROV, N.S., red.izd-va; YEPIFANOVA, L.V.,
tekhn. red.

[Russian scientists in the struggle against idealist and metaphysical theories in natural sciences] Russkie uchenye v bor'be protiv idealisticheskikh i metafizicheskikh vozzrenii v estestvoznanii. / Moskva, Izd-vo Akad. nauk SSSR, 1961. 246 p. (MIRA 14:7)

1. Akademiya nauk SSSR. Kafedra filosofii.
(Science—Philosophy)

BELOVA, N.M., kand. tekhn. nauk

Central Scientific Research Institute of Underground Mining
Engineering: In the seminar on steel reinforced plastic-
type concretes. Izv. ASiA no.1:120-121 '60. (MIRA 13:9)
(Reinforced concrete)

CHESALIN, Grigoriy Alekseyevich, kand. sel'khoz. nauk; BLOKHINA, V.V., red.; BELOVA, N.N., tekhn. red.; OKOLELOVA, Z.P., tekhn. red.

[Cultivation and chemical measures in weed control] Agrotekhnicheskie i khimicheskie mery bor'by s sorniakami. Moskva, Sel'khozizdat, 1963. 214 p. (MIRA 16:12)
(Weed control)

BELOYA, N. S.

11 июня
(с 18 до 22 часов)

Д. И. Волковичев,
Р. Р. Арсала

Методы контроля радиотелефона и радиотелеграфа

А. А. Прокопьев,
И. И. Мещеряков

О верооятности помехов радиотелефона при работе радиотелеграфа

А. А. Прокопьев

Об уровне шума при радиотелефонной связи

В. А. Горюнов

К теории радиотелеграфной связи

12 июня
(с 10 до 16 часов)

М. В. Лыфун,
О. В. Нурманов

Влияние шума и помех на радиотелеграфную связь

А. Г. Арутюнов

Фигурно-геометрические устройства для изучения особенностей излучения электровакуумных приборов на практике

14 СЕКЦИЯ ЭЛЕКТРОННО-ВЫЧИСЛИТЕЛЬНОЙ ТЕХНИКИ
Руководитель А. И. Гусинский

19 июня
(с 10 до 16 часов)

Состояние техники с точки зрения радиотелеграфной связи

В. И. Георгиев

Диагностический трестер на вакуумно-электронном трестере

А. И. Горюнов,
И. И. Мещеряков,
В. И. Давыдов,
В. А. Кавычкин,
Г. В. Кавычкин

Специальные методы защиты радиотелеграфной связи на вакуумно-электронном трестере

А. И. Горюнов,
Т. И. Акимов,
И. С. Васильев

Report submitted for the Centennial Meeting of the Scientific Technological Society of Radio Engineering and Electrical Communications in. A. S. Puzov (VRSIS), Moscow, 8-12 June, 1959

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CIA-RDP86-00513R000204510018-0

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000204510018-0"

KOSTERIN, S.I.; YUSHCHENKOVA, N.I.; BELOVA, N.T.; KAMAYEV, B.D.

Effect of rarefaction of a supersonic flow on the readings of
impact-pressure probes. Inzh.-fiz.zhur. 5 no.12:16-22 D '62.
(MIRA 16:2)

1. Institut mekhaniki AN SSSR, Moskva.
(Aerodynamics, Supersonic)

KOSTERIN, S.I.; BELOVA, N.T.

Effect of the rarefaction of a supersonic flow on the base
pressure of a solid of revolution. Inzh.-fiz. zhur. 6 no.11:
14-19 N '63. (MIRA 16:11)

1. Institut mekhaniki AN SSSR, Moskva.

BELOV, A.A., inzh.; BELOVA, N.V., inzh.

Turbines of new foreign hydroelectric power plants. Energo-
mashinostroenie 6 no.2:45-46 F '60. (MIRA 13:5)
(Hydraulic turbines)

HUDNYATSKIY, D.M., inzh.; APATOVSKIY, L.Ye., inzh.; EMLOVA, N.V., inzh.

News in power machinery manufacture. Energomashinostroenie
6 no.3:46 Mr '60. (MIRA 13:6)
(Power engineering--Equipment and supplies)

FIGULEVSKIY, G.V.; BELOVA, N.V.

Investigating the essential oil from the fruit of the water
parsnip *Sium latifolium* L. Trudy Bot. inst. Ser. 5 no.8:24-27
'61. (MIRA 14:7)

(Essences and essential oils)
(Voronezh Province--Water parsnips)

FIGULEVSKIY, G.V.; KOVALEVA, V.I.; BELOVA, N.V.

Some aromatic plants of the Sayans. Trudy Bot. inst. Ser. 5 no.9:
242-250 '61. (MIRA 15:1)

(Sayan Mountains--Aromatic plants)

BELOVA, N.V.

Preliminary data on the composition of the essential oil from
Artemisia Lagocephala Fisch. Zhur.prikl.khim. 34 no.3:707-709
Mr '61. (MIRA 14:5)

1. Botanicheskiy institut AN SSSR i Dal'nevostochnyy filial AN SSSR.
(Essences and essential oils) (Sagebrush)

NERONOVA, N.N.; BELOVA, N.V.

Colored antisymmetrical mosaics. Kristallografiia 6 no.6:831--
839 N-D '61. (MIRA 14:12)

1. Institut neorganicheskoy khimii Sibirskogo otdeleniya AN
SSSR i Institut kristallografii AN SSSR.
(Crystallography)

BOROVKOV, A.V.; BELOVA, N.V.

Ursolic and oleanoic acids from *Myrica gale* L.
Zhur.ob.khim. 32 no.10:3457 0 '62. (MIRA 15:11)

1. Botanicheskiy institut AN SSSR.
(Ursenoic acid) (Oleanenoic acid)

FIGULEVSKIY, G.V.; BELOVA, N.V.

Hydrocarbon composition of the ethereal oil of *Rhododendron*
dauricum L. Zhur. prikl. khim. 37 no.12:2772-2775 D '64.
(MIRA 18:3)

BELOVA, O. A.

20084 BELOVA, O. A. O velichine eritrotsitov pri yevennoy bolezni. Vracheb. delo, 1949, No. 6, stb. 505-06.

SO: LETOPIS ZHURNAL STATEY, Vol. 27, Moskva, 1949.

S/081/62/000/016/022/043
B168/B186

AUTHORS: Fedorova, R. V., Kogan, M. I., Belova, O. D.

TITLE: Vapor-phase condensation of acetone with formaldehyde in methylvinylketone. Summary

PERIODICAL: Referativnyy zhurnal: Khimiya, no. 16, 1962, 384, abstract 16L11 (Tr. Vses. n.-i. vitamin. in-t, v. 7, 1961, 54-59)

TEXT: The authors studied the production of methylvinylketone (I) by condensation of industrial formalin (II) and chemically pure acetone (III). This was achieved by a vapor-phase reaction on higher oxides of rare earths, acid clays (e.g. gumbrin, kill) and industrial catalysts (e.g. Cd-Ca phosphate, Ca phosphate), performed, in a flow type laboratory apparatus at from 280 to 450-500°C (< 400°C preferable) at volume velocities from 100 to 1000-2000 l gaseous III per 1 l catalyst per hour, with 45-50 ml catalyst and a molar ratio of II : III = 1 : 1. The composition of the reaction mixture was determined analytically (e.g. I by Kaufman's method, II by reaction with dimedon, etc.), and that of gaseous products with a БТМ-2 (VTI-2) gas analyzer. Catalysts are listed, and the

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Vapor-phase condensation of...

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following respective values are given for optimum reaction temperature in °C, yield of I per throughput of III in %, yield of I per input of I into the reaction in %, productivity in g per 1 l catalyst per hr : Ca phosphate, 420, 26.6, 93.7, 306; higher oxides of rare earths, 375-380, 36, 100. 325; higher oxides of rare earths on a carrier, 515, -, ~100, 565; silica gel, promoted with KOH, -, 39.1, ~100, 22. Graphs are given for productivity of I depending on temperature, catalyst and volume velocity.
[Abstracter's note: Complete translation.]

Card 2/2

BELOVA, O. D.

"Results of Observations and Field Experiments in the Study of Stem Nematode of Potatoes," in Collected Works of Nematodes of Agricultural Crops, State Publishing House of Kolkhoz and Sovkhoz Literature, Moscow, 1939, pp. 142-149.
464.35 K63

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

BYLOVA (Mme-O. D.). КОЗЛЮКОВСКИЙ И ЕГО РАБОТЫ
с хол. [Ring rot of Potato and its control.]—С.Р. Пов.-Сов. V. I.
Lenin Acad. agric. Sci., Moscow, 1940, 19, pp. 21-26, 3 figs., 1940.

Ring rot of potatoes caused by *Bacterium septotricum* [R.A.M., x, p. 273] is stated to be widespread in the central and northern parts of the U.S.S.R. [ibid., xv, p. 25]. In the dry, southern districts the disease is observed in appreciable amounts only on imported potatoes and gradually disappears when these are propagated locally. The losses in yield caused by the disease in the field amount to between 20 and 40 per cent., and during storage to between 50 and 60 per cent. Experiments conducted in the Ukraine showed that the disease is carried in the tubers, and is not transmitted by soil. In 1937, at the Institute of the Potato Industry, a form of rot, hitherto undescribed, was observed on several varieties severely attacked by ring rot. In the early stage this form, to which the name hollow rot is given, can only be detected after peeling off the skin, when small, roundish, cream-coloured, soft spots can be seen often surrounded by a more translucent, but still firm zone. Later the spots enlarge, the skin splits, and a cavity is exposed. Bacteriological analysis of hollow rot material revealed the presence of *Bact. septotricum*. In inoculation experiments during 1938 injured tubers were successfully infected at all seasons while uninjured ones became infected only when inoculated at harvest time, the greater susceptibility displayed at this period being attributed to the very thin skin and open eyes of the tuber at that time. Essential for successful inoculation was sufficient moisture in the tuber. At harvest time healthy tubers become contaminated through contact with diseased ones, or with contaminated containers, tools, and hands of labourers. Potatoes harvested in 1937 during the rainy season developed 23 to 50-5 per cent. hollow rot infection as compared with 0 to 2 per cent. in those harvested during dry weather in the following spring. The percentage of hollow rot and ring rot infection in tubers stored in a moist state was 20 and 7, respectively, as compared with 0 and 1, respectively, in those dried before storage for six hours. For the control of the two rots it is essential that diseased plants be removed from the field, harvested tubers dried before storing, and knives used for cutting seed potatoes disinfected before use.

BELOVA, O. D.

ROZHALINE, L. V., and BELOVA, O. D. "Spindling Tuber of Potatoes,"
Agrobiologia, no. 6, 1948, pp. 83-96 20 Ag822

SO: SIRA SI 90-53, 15 Dec. 1953

BELOVA, O.D.

Review of Applied
Mycology.
V. XXXIII Part 1.
Jan. 1954

BELOVA (Miss O. D.). Определение паразитности Картофеля пятчатой и кольцевой гнилью. [Determination of infection of Potato by hollow and ring rot.] - Сад и Огород [Orchard & Garden], 1952, 4, pp. 62-64, 1 fig., 1952.

Most of this information on potato hollow rot and ring rot [*Corynebacterium sepedonicum*: R.A.M., 21, p. 40] in the U.S.S.R. has already been noticed from another source [loc. cit.; 20, p. 419]. Severe outbreaks of hollow rot, reaching up to 80 per cent. infected tubers, occurred in 1942 and 1944, each outbreak following a late wet summer in the preceding year. Infection of the tubers may be reduced by agricultural practices which favour maturation, avoidance of injury when digging, and disinfection with a 2 per cent. copper fungicide.

BELOVA, G. D.

Potatoes - Diseases and Pests

Some diseases of the potato and measures for their control, Sad i og., No. 7, 1952.

9. Monthly List of Russian Accessions, Library of Congress, June 1952 1952. Unclassified.

Country : USSR

Category: Plant Diseases. Diseases in Cultivated Plants.

Abs Jour: RZhBiol., No 18, 1958, No 82682

Author : Bordukova, M.V.; Belova, O.D.

Inst : -

Title : Soviet Scientists' Development of Potato Disease Control
Methods.

Orig Pub: Kartoffel', 1958, No 1, 14-18

Abstract: No abstract.

Card : 1/1

10

adsorption of lead & zinc ions on solid hyperpolymer particles from
42080. KRESTINSKAYA, B.N., BELOVA, O.I.-Adsorbtsiya ionov svintsa i tsinka na zolyakh
gidratopektina i pektinovy kisloty. Trudy khim. in-ta (Kirgiz, filial Akad.
nauk SSSR), vyp. 2, 1947 (izd: 1948), s. 29-35.-Bibliogr: 10 nazv.

So: Setopis' Zhurnal'nykh Statey, Vol. 47, 1948

KRESTINSKAYA, V.N.; BELOVA, O.I.

Hydrophobization of pectin substances of sugar beet. *Izvest. Kirgis. Filial. Akad. Nauk S.S.S.R.* '47, No.7, 139-46. (MLBA 5:10)
(GA 47 no.22:12472 '53)

BELOVA, O. I.

Sugar Industry

Precipitating action of calcium oxide on non-sugary substances of the diffusion juice of the Novo-Troitskoye sugarworks, Trudy Khim. inst. KirFAN SSSR No. 3, 1950.

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

BELOVA, O.I.; NOLLE, Ya. Kh.

Liquid extract of *Magnolia grandiflora* as a new drug. Aptech. delo,
Moskva 2 no.2:65-66 Mar-Apr 1953. (GIML 24:3)

1. Of the Pharmacology Laboratory (Head -- Prof. Ya. Kh. Nolle), Central
Scientific-Research Pharmacy Institute (Director -- Ye. N. Kutunova),
Ministry of Public Health RSFSR.

BELOVA, O.I.

USSR/Chemical Technology - Chemical Products and Their
Application. Carbohydrates and Refinement

I-26

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 13798

Author : Belova O.I.

Inst : Institute of Chemistry, Kirgiz Filiate of the Academy of
Sciences USSR

Title : Composition of Scale at the Sugar Refinery imeni Frunze

Orig Pub : Tr. In-ta khimii (kirgizsk. fil. AN SSSR), 1953, No 5,
9-14

Abstract : No abstract.

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- 388 -

BELOVA, O. I.

✓ Solubility of sodium metasilicate in sodium bicarbonate
 and chloride solutions. P. V. Denisov and O. I. Belova.
 Trudy Inst. Khim. Kirei. Filiala Akad. Nauk S.S.S.R.
 1953, No. 5, 85-8; Referat. Zhur., Khim. 1953, No. 1819. —
 The purpose was to check the previous results (cf. preceding
 abstr.). The soly. of Na metasilicate in 0-20% NaCl and
 0-7.5% NaHCO₃ was detd. at 20°. The soly. of Na meta-
 silicate decreased with increasing concn. of NaCl, as in the
 case of Na₂CO₃, whereas the soly. of Na metasilicate in-
 creased with an increase in the concn. of NaHCO₃. In the
 latter case there was a decrease in the pH which is attributed
 to the interaction between the bicarbonate and silicate ion
 according to: $SiO_3^{2-} + HCO_3^- = HSiO_3^- + CO_3^{2-}$,
 $HSiO_3^- + HCO_3^- = H_2SiO_3 + CO_3^{2-}$, and $H_2SiO_3 =$
 $nSiO_2 \cdot mH_2O$.
 M. Haseh

chem 2 6
 AM

BELOVA, O.I.

DENISOV, P.V.; BELOVA, O.I.

Method for determining chlorides in sugar solutions. Trudy Inst.
khim. AN Kir.SSR no.7:69-77 '56. (MIRA 10:3)
(Chlorides--Analysis) (Sugar--Analysis and testing)

BELOVA, O. I.

Min Health USSR, Moscow Pharmaceutical Inst.

BELOVA, O. I.: "The preparation and investigation of fluid extracts of the leaves of the large-blossomed magnolia." Min Health USSR, Moscow Pharmaceutical Inst. Moscow, 1956.

(Dissertation for the Degree of Candidate in Pharmaceutical Sciences)

SO: Knizhnaya Letopis', No. 20, 1956.

BELOVA, O. I.

Category: USSR /Physical Chemistry
Thermodynamics. Thermochemistry. Equilibrium. Physico-
chemical analysis. Phase transitions.

B-8

Abs Jour: Referat Zhur-Khimiya, No 9, 1957, 29968

Author : Denisov P. V., Belova O. I.

Inst : Institute of Chemistry. Academy of Sciences Kirgiz SSR

Title : Solubilities In the System $MgCO_3$ - $KHCO_3$ - $C_{12}H_{22}O_{11}$.

Orig Pub: Tr. In-ta khimi AN KirgSSR, 1956, No 7, 65-68.

Abstract: As a continuation of previous work by the authors (RZhKhim, 1956, 24220) a study was made of the effect of addition of $KHCO_3$ (I) on solubility of $MgCO_3$ (II) in 10% solution of saccharose, at 20°, and of kinetics of decomposition of $Mg(HCO_3)_2$ (III) on boiling with a solution of saccharose of the same concentration. It is shown that on increase of concentration of I from 0 to 2% the solubility of II increases considerably (from 0.45 to 2.27 mg-equivalent MgO in 100 ml solution), changing but little on further increase of I content of the solution. It was ascertained that decomposition of III takes

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Category: USSR / Physical Chemistry
Thermodynamics. Thermochemistry. Equilibrium. Physico-
chemical analysis. Phase transitions.

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Abs Jour: Referat Zhur-Khimiya, No 3, 1957, 29968

place practically within the first few minutes of boiling. Further boiling causes, concurrently with a decrease in concentration of III, a lowering of the II content formed during the beginning of boiling. In solutions which were subjected to prolonged boiling (up to 3 hours) total alkalinity amounts to only 0.1 mg-equivalent MgO per 100 ml solution, and is due essentially to carbonate alkalinity (0.09 mg-equivalent).

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BELOVA, O.I., kand.farmatsevticheskikh nauk; SHILOV, Yu.M., kand.farmatsevticheskikh nauk

Industry-wide conference on the production of tables and manufactured
medicinals. Apt.delo 7 no.1:90-92 Ja-F '58. (MIRA 11:3)
(DRUG INDUSTRY)

BELOVA, O.I.

Liquid extract of *Magnolia grandiflora*. Med.prom. 13 no.11:54 N '59.
(MIRA 13:3)

1. Tsentral'nyy aptechnyy nauchno-issledovatel'skiy institut.
(MAGNOLIA--THERAPEUTIC USE)

BELOVA, O.I.; ARNAUTOVA, N.A.

Degreasing mxx vomica percolate with paraffin. Apt. delo 9 no.6:
46-48 N-D '60. (MIRA 13:12)

1. Tsentral'nyy aptechnyy nauchno-issledovatel'skiy institut i
Khimiko-farmatsevticheskiy zavod No 1 Mosgorsovnarkhosa.
(NUX VOMICA) (DRUGS—PURIFICATION)

BELOVA, O.I., kand.farm.nauk

Study of the individual stages of the extraction process in the preparation of liquid galenicals. Sbor.nauch.trud. TSANII 2:57-64 '61. (MIRA 16:5)

1. Rukovoditel' laboratorii tekhnologii lekarstvennykh form i galenovykh preparatov Tsentral'nogo aptechnogo nauchno-issledovatel'skogo instituta.

(EXTRACTS)

BELOVA, O.I.; RATKEVICH, G.I.

Work of pharmaceutical factories. Report No.2. Apt. delo 10 no.6:
49-52 N-D '61. (MIRA 15:2)
(DRUG INDUSTRY)

BELOVA, O.I., kand.farm.nauk; VARENTOVA, K.I., mladshiy nauchnyy sotrudnik

Tincture of Inonotus obliquus. Sbor. nauch. trud. TSANII 3:86-93
'62. (MIRA 16:11)

1. Rukovoditel' laboratorii tekhnologii lekarstvennykh form i galenovykh preparatov Tsentral'nogo aptechnogo nauchno-issledovatel'skogo instituta (for Belova).

YAKHONTOV, L.N.; BELOVA, O.I.; CHUMBURIDZE, B.I.

Fifth Congress of the Pharmaceutical Society of the German
Democratic Republic. Aptech. delo 12 no.3878-81 My-Je'63
(MIRA 1782)

BELOVA, O.I.; MIRONOVA, V.A.

Infusion apparatus with a new type of electric heating.
Apt. delo 12 no.6:56-59 N-D '63. (MIRA 17:2)

1. TSentral'nyy aptechnyy nauchno-issledovatel'skiy institut.

BELOVA, O.I.; RATKEVICH, G.I.

From the working experience of pharmaceutical industries. Report
No.3: Tablet - producing plants. Apt. delo ll no.6:48-52 N-D'62
(MIRA 17:7)

1. Tsentral'nyy aptechnyy nauchno-issledovatel'skiy institut.

STEPANENKO, B.N.; BLAGOVIDOVA, Yu.A.; BELOVA, O.I.

Current status and prospects of the use of high molecular-
weight compounds in pharmacy. Apt. delo 12 no.2:3-15 Mr-Ap '63.
(MIRA 17:7)

1. I Moskovskiy ordena Lenina meditsinskiy institut imeni I.M.
Sechenova i Tsentral'nyy aptechnyy nauchno-issledovatel'skiy
institut.

BELOVA, O.I.; VARENTOVA, K.I.; PANOVA, G.A.

Preparation of suppositories, ointments and liniments using a tissue grinder. Apt. delo 13 no.2:67-70 Mr-Sp '64. (MIRA 17:12)

1. Tsentral'nyy aptechnyy nauchno-issledovatel'skiy institut,
Moskva.

DENISOV, P.V.; DRUZHININ, I.G.; BELOVA, O.I.; KADYROV, V.

Hydrochemical characteristics of rivers in the Chu Basin. Trudy
Inst.vod.khoz.i energ.AN Kir.SSSR no.3:123-126 '56. (MLRA 9:11)
(Chu Valley--Rivers) (Water--Analysis)

DENISOV, P.V.; BELOVA, O.I.; KADYROV, V.; DRUZHININ, I.G.

Hydrochemical characteristics of rivers of the Issyk-Kul' Basin.
Trudy Inst.vod.khoz.i energ.AN Kir.SSR no.3:127-137 '56. (MLRA 9:11)
(Issyk-Kul' Province--Rivers) (Water--Analysis)

1. KRESTINSKAYA, V. N.; BELOVA, O. M.
2. USSR (600)
4. Colloids
7. Imparting hydrophobe properties to pectins of sugar beets. Izv. Kir FAN SSSR No. 7, 1947

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

DUBROVINA, Z.V.; BELOVA, O.M. (Ohelyabinsk)

Passage of strontium-90 from milk into different dairy products
during various technological processes of their production. Gig.
i san 28. no.1:105 Ja'63 (MIRA 16:7)
(STRONTIUM ISOTOPES) (DAIRY PRODUCTS)

S/129/63/000/002/004/014
E193/E383

AUTHORS: Moroz, L.S., Khesin, Yu.D. and Belova, O.S.

TITLE: Structure and mechanical properties of low-alloy titanium alloys

PERIODICAL: Metallovedeniye i termicheskaya obrabotka metallov, no. 2, 1963, 17 - 23

TEXT: The object of the present investigation was to determine the cause of deterioration in strength and plasticity suffered by titanium alloys of a composition near to that of the α -phase when they are slowly cooled from the β range. The experimental materials included titanium iodide, technical-purity titanium and Ti - 4% Al alloys, containing 0.55 - 1.62% V, 0.64 - 1.36% Mo, 0.66 - 1.27% Mn or 0.71% Fe. The effect of the following treatments was studied: 1) annealing at 300 °C for 2 hours; 2) water-quenching from 1 250 °C; 3) furnace-cooling from 1 250 °C. The first series of tests comprised determination of the mechanical properties. Typical results for pure and alloyed titanium are given below.

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Structure and

S/129/63/000/002/004/014
E193/E383

Alloy	Heat treatment	σ_b	$\sigma_{0.2}$	δ	ψ	a_k
Titanium iodide	1	31.0	22.4	60.5	82.6	30.2
	2	33.0	23.7	44.6	80.9	25.1
	3	31.3	19.9	58.9	83.0	26.1
Ti - 4% Al - 0.71% Fe	1	74.2	69.4	16.1	46.0	8.2
	2	81.6	73.9	16.4	43.4	9.5
	3	64.6	59.0	8.9	25.3	5.5

Key: σ_b = UTS, kg/mm²; $\sigma_{0.2}$ = 0.2% proof stress; δ = elongation, %;
 ψ = reduction in area, %; a_k = impact strength, kgm/cm².

Card 2/4

S/129/63/000/002/004/014
E193/E383

Structure and

To determine the cause of marked differences between the effect of slow cooling on the properties of pure and alloyed Ti, the microstructure of specimens subjected to various heat-treatments was studied, the composition of the second phase found in slowly-cooled alloys was determined and its effect on the mode of plastic deformation was studied by microscopic examination of test pieces extended to various degrees of deformation and by following the changes taking place on the surface of preliminarily polished tensile test pieces during the actual tensile test. Conclusions:

- 1) decreasing the rate at which Ti alloys, containing small additions of the β -phase stabilizing elements, are cooled from the β range brings about a change in the structure of the alloy grains and a decrease in the mechanical properties.
- 2) The structural change consists of the appearance of plate-like precipitates of the second phase, formed above 800 °C, i.e. in the $\beta \rightarrow \alpha + \beta$ transformation range.
- 3) The presence of these precipitates leads to nonuniform deformation; as a result, microcracks are formed in the region of localized deformation in the early stages of plastic flow and this causes a decrease in strength and plasticity of the alloy.

Card 3/4

Structure and ...

S/129/63/000/002/004/014
E193/E383

4) The harmful effect of the second-phase precipitates increases with increasing distance between them which, in turn, depends on the rate of cooling of the specimens from the β range. 5) The results of X-ray and spectrographic analysis show that the formation of plate-like precipitates is associated with redistribution of the β -phase stabilizing elements; the concentration of these elements in the precipitate is so high that the β -phase is retained in the precipitate at room temperature. The fact that formation of second-phase precipitates occurs only in slowly-cooled specimens indicates the diffusion character of the process. There are 6 figures and 7 tables.

Card 4/4

BELOVA, R.S.; YANKOVSKIY, I.I.

Training of technical personnel in medical radiology. Med.

rad. 5 no.2:74-76 F '60.

(MIRA 13:12)

(RADIOLOGY, MEDICAL--STUDY AND TEACHING)

3.

SMAGUNOVA, A.N.; BELOVA, R.A.; AFONIN, V.P.; LOSEV, N.F.

Method of the standard-background in X-ray spectral fluorescence
analysis. Zav.lab. 30 no.4:426-431 '64. (MIRA 17:4)

1. Irkutskiy gosudarstvennyy nauchno-issledovatel'skiy institut
redkikh metallov i Institut geologii rudnykh mestorozhdeniy,
petrografii, mineralogii i geokhimii Sibirskogo otdeleniya AN SSSR.

PROTSYAKOVA, V.I.; BELOVA, R.S.; YANKOVSKIY, I.I.

Working conditions in coring with neutron sources. Med.rad.
5 no.2:62-66 P '60. (MIRA 13:12)
(POLONIUM) (BERYLLIUM) (RADIATION PROTECTION)

BELOVA, R. S.

Dissertation: "Application of Luminiscent Method to Investigation of the Volga River on Petroleum Contamination." Cand Biol Sci, Saratov State U, Saratov, 1953. (Referativnyy Zhurnal--Fizika, Moscow, Jun 54)

SO: SUM 318, 23 Dec 1954

BELOVA, R.S.

LOS', L.I., professor; ABRAMOVICH, G.S., kandidat biologicheskikh nauk;
BELOVA, R.S., kandidat biologicheskikh nauk; RASSOLOVA, V.P., kandidat
~~biologicheskikh nauk~~

Sanitary protection of the future Stalingrad Reservoir. Gig. i san.
21 no.10:11-14 0 '56. (MLRA 9:11)

1. Iz Saratovskogo oblastnogo nauchno-issledovatel'skogo sanitarno-
gigiyenicheskogo instituta
(WATER SUPPLY
water reservoir, sanitary protection)

GURVICH, S.M.; BELOVA, R.Ya.

Some derivatives of xanthic acids. Zhur.ob.khim. 31 no.5:1631-
1635 My '61. (MIRA 14:5)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut tsvetnykh
metallov.

(Xanthic acid)

BELOVA, S.

VIPPER, A.; BELOVA, S.

Effect of oil additives on the formation of oil residues in
carburetor engines. Avt. transp. 36 no.3:11-13 Mr '58. (MIRA 11:3)
(Automobiles--Lubrication)

31053. BELOVA, S. F.

Oslozh neniya posle antiglaukوماتoznykh operatsiy po materialam Glaznoy kliniki i Moskovskogo ordena lenina meditsipskogo instituta za dvadtsat' pyat' let. Vestnik oftalmologii, 1949, No. 5, s. 31-35

"Complications Subsequent to Anti-glaucomatous Operations According to Data collected at the Eye Clinic of the 1st Moscow Order of Lenin Medical Inst. ■f for the Past Twenty-five Years." Vest. Oftalmol. 28, No. 5, 1949

Eye Clinic, 1st Moscow Ordee Lenin Med. Inst.

BELOVA, S.F., GORDON, Z.V.

Effect of centimeter waves on the eye. Biul.eksp.biol. i med. 41
no.4:43-46 Ap '56. (MIRA 9:8)

1. Iz Instituta gigiyeny truda i profzabolevaniy (dir. deystvitel'-
nyy chlen AMN SSSR prof. A.A.Letavet) AMN SSSR, Moskva. Predstavlena
deystvitel'nym chlenom AMN SSSR A.A.Letavetom.

(EYE, physiology,
eff. of waves of one centimeter (Rus))
(DIATHERMY,
waves of one centimeter, eff. on eye (Rus))

EBLOVA, S.F., KORLYAKOVA, Ye.A.

Immediate action of organic chlorosilanes on rabbit eyes.
Gig. i san. 23 no.9:72-73 S '58 (MIRA 11:11)

1. Iz Instituta gigiyeny truda i professional'nykh zabolevaniy
AMN SSSR.

(SILICON, eff.

organic silane chlorides, on rabbit eyes (Rus))

(CHLORIDES, eff.

same (Rus))

(EYES, eff. of drugs on

organic silane chlorides, on rabbit eyes (Rus))

BORISOVA, K.S.; PRESMAN, A.S.; LETAVET, Avgust Andreyevich, red.; BELOVA,
S.F., red.

[Cataracts; translations from foreign periodical literature] Luchevye katarakty; sbornik perevodov inostrannoi periodicheskoi literatury. Moskva, Medgiz, 1959. 303 p.

(CATARACT)

(MIRA 16:4)

ANTONOVA, L.T., kand.med.nauk; BELOVA, S.F., kand.med.nauk

State of the fundus oculi in hypertension in adolescents
and youths. *Pediatrics* 38 no.8:67-71 Ag '60. (MIRA 13:12)

1. Iz Instituta gigiyeny truda i profsbolevaniy AMN SSSR
(dir. - deystvitel'nyy chlen AMN SSSR prof. A.A. Letavet).
(HYPERTENSION) (EYE)

BELOVA, S.F.

Effect of SHF on the organ of vision. Trudy Inst. gig. truda i
prof. AMN SSSR no.1:41-42 '60. (MIRA 16:12)

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BELOVA, S.F.

Changes in the elastotometric curve in rabbits under the
effect of SHF. Trudy Inst. gig. truda i prof. AMN SSSR no.1:
86-89 '60. (MIRA 16:12)

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OVCHINNIKOV, N.N., prof.; SUCHKOVA, A.V.; BELOVA, S.I.

Prediction of the appearance of leaves on corn. Trudy OGMI
no.25:45-48 '61.

(Corn (Maize)) (Leaves)

(MIRA 16:6)

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 11, p 60 (USSR) SOV/137-58-11-22260

AUTHOR: ~~Belova, S. K.~~

TITLE: Some Results of Research in Powder Metallurgy (Nekotoryye itogi nauchno-issledovatel'skikh rabot po poroshkovoy metallurgii)

PERIODICAL: V sb. : Materialy Soveshchaniya glavn. metallurgov z-dov i in-tov avtomob. prom-sti. Nr 5. Moscow, 1958, pp 19-26

ABSTRACT: Investigations are made into the processes whereby freely poured Fe, Cu and Ni powders are sintered. Smoothing over of the micro-profile and spheroidization of pores is observed. Shrinkage of Fe powder is one-half to two-thirds less than that of copper. The compacting and sintering of Fe-Cr and Fe-Ni mixtures with and without added C, as well as with iron-alloy powder, is studied. The fundamental elements of the process procedure are elaborated, and the mechanical properties are investigated. An optimum regime for sintering a cermet layer of trimetallic strip is found: Temperature 1180-1200°C, holding time 10 min. The influence of small additions of Ti and B on the properties of Pb bronze is verified. Introduction of 0.05% Ti and 0.005% B significantly improves the

Card 1/2

SOV/137-58-11-22260

Some Results of Research in Powder Metallurgy

strength and ductility of the bronze. It is shown that in the sintering of free-flowing Pb-bronze powders, it is better to use unreduced initial powders of the components. When the Cu powder contains 0.7-1.5% oxides, the sinterability of the bronze improves and its strength characteristics increase.

A. N.

Card 2/2

BELOVA, S.M.; DENISENKO, Ya.I.

Vitamin composition of millet oil. Prikl. biokhim. i mikrobiol.
1 no. 4:387-390 JI-Ag '65. (SER 18:11)

I. Moskovskiy tekhnologicheskiy Institut pishchevoy promyshlennosti.

BELOVA, S.M.; DENISENKO, Ya.I.

Determination of linoleic and linolenic acids in millet oil
by spectrophotometric method. Prikl. biokh'm. i mikrobiol.
i no.4:474-476 JI-ag '55. (MLR 18:11)

1. Moskovskiy tekhnologicheskii institut pishchevoy promyshlennosti.

BELOVA, S.M.; DENISENKO, Ya.I.

Chemical nature of miliacin(prozol). Prikl. biokhim. i mikrobiol.
1 no. 6:664-668 N-D '65. (MIRA 18:12)

1. Moskovskiy tekhnologicheskij institut pishchevoy promyshlennosti.
Submitted July 8, 1965.

VIPPER, A.B.; MOSIKHIN, Ye.P.; EMLOVA, S.R.

Regularities in the decrease of cleansing additives in oil.
Khim. i tekhn.topl. i masel 4 no.1:59-63 Ja '59.

(MIRA 12:1)

(Lubrication and lubricants--Additives)

RYABOVA, A.S.; BELOVA, S.R.; SHARAPOV, V.I.

Determination of the tetraethyl-lead content in automobile
gasoline by the chromate method. Neftoper. i neftekhim.
no.2:11-12 '63. (MIRA 17:1)

BELOVA, T., strakhovoy delegat (Baku)

Small section but great worries. Okhr. truda i sots. strakh. 4
no.3:36 M. '61. (MIRA 14:3)
(Baku—Medicine, Industrial)

TYLKIN, V., kand.tekhn.nauk (Donetsk); BELOVA, T. (Donetsk); KOZLOV, V.
(Donetsk); KHREBTOVA, A. (Donetsk)

Butter with the addition of yeast and Vitamin C. Sov. torg. 36
no.4:27-28 Ap '63.

(MIRA 16:5)

(Butter)

ZHUKOV, V., inzhener-mayor, kand. tekhn. nauk; EELOVA, T., inzhener-
tekhnolog.

Polymers came to the field. Tekh. i vooruzh. no. 6:61-63 Je'64
(MIRA 17:7)

(A) L 5302-66

ACC. NR: AP5024961

SOURCE CODE: UR/0286/65/000/016/0021/0021

AUTHORS: Belova, T. B.; Geller, B. E.

ORG: none

TITLE: A method for printing on fabrics of polyester fibers. Class 8, No. 173709

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 16, 1965, 21

TOPIC TAGS: polyester, fabric, dye chemical, color

ABSTRACT: This Author Certificate presents a method for printing with dispersed pigments on fabrics of polyester fibers. To obtain fast colors, the fabric is first treated with hexamethylenediisocyanate.

SUB CODE: MT, IE/

SUBM DATE: 29Jun62/

ORIG. REF: 000/

OTH REF: 000

PC
Card 1/1

UDC: 677.852.314

090105:7

BELOVA, T.I. (Moskva, I-92, Lukov pereulok, 4, kv.16)

Postcentral and upper parietal areas of the cerebral cortex
in arboreal monkeys. Arkh. anat., gist. i embr. 43 no.8:11-28
Ag 162. (MIRA 17:8)

1. Kafedra antropologii (zav. - prof. M.A. Gremyatskiy)
Moskovskogo gosudarstvennogo universiteta.

BELOVA, T.I.

Prenatal ontogeny of the epithalamus in rabbits. Trudy Inst.norm.
i pat.fiziol. AMN SSSR 7:21-22 '64.

Prenatal ontogeny of some nuclei of the thalamus opticus in rabbits.
Ibid.23-24 (MIRA 18:6)

1. Laboratoriya obshchey fiziologii tsentral'noy nervnoy sistemy
(zav. - deystvitel'nyy chlen AMN SSSR, prof. P.K.Anokhin) Instituta
normal'noy i patologicheskoy fiziologii AMN SSSR.

BELOVA, T. I.

"The Architectonics of the Motor Regions of the Cerebral Cortex
of Lower Simians in Connection With the Problem of Anthropogenesis."
Cand Biol Sci, Moscow Order of Lenin State U imeni M. V. Lomonosov,
26 Nov 54. (VM, 16 Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR
Higher Educational Institutions (11)

SO: Sum. No.521, 2 Jun 55

BELOVA M. I.

Structure of the precentral region of the cerebral cortex and its dependence on the ecological particularities in lower monkeys. Arkh.anat.gist. i embr. 34 no.3:13-19 My-Je '57. (MLRA 10:10)

1. Iz kafedry antropologii (zav. - prof. M.A.Gremyatskiy) Moskovskogo gosudarstvennogo universiteta. Adres avtora: Moskva, Leninskiye gory, Moskovskiy gosudarstvennyy universitet, biologo-pochvennyy fakul'tet, kafedra antropologii, koma. 473.

(CEREBRAL CORTEX, anat. & histol.)

structure of precentral region & its dependence on ecol. particularities in lower monkeys (Rus)

BELOVA, T.I.

Some data on the fine structure of areas 4 and 6 of the cerebral cortex in lower monkeys; myelo- and angioarchitecture. Vest. Mosk. un. Ser. biol., pochv., geol., geog. 13 no. 1:59-69 '58.(MIRA 11:7)

1. Moskovskiy gosudarstvennyy universitet, Kafedra antropologii.
(Cerebral cortex)
(Monkeys)

BELOVA, T.I. (Moskva, I-92, Lukov pereulok 4, kv.16)

Postcentral and superior parietal regions of the cerebral cortex in
the woolly monkey *Lagothrix humboldti*, Arkh. anat., gist. 1 embr. 46
no.2:48-59 F '64. (MIRA 17:12)

1. Kafedra antropologii (zav. - prof. M.A.Gremyatskiy) Moskovskogo
gosudarstvennogo universiteta.

SERBINENKO, M.V.; BELOVA, T.I.

Role of the thalamic nuclei in the activation of the cerebral cortex by pain. Fiziol. zhur. 50 no.2:138-144 F '64.

(MIRA 18:2)

1. Kafedra normal'noy fiziologii 1-go Meditsinskogo instituta imeni I.M. Sechenova, Moskva.

BELOVA, T.I.

Postcentral and upper parietal regions of the cerebral cortex
in chimpanzees. Arkh. anat., gist. i embr. 48 no.1:46-56 Ja '65.
(MIRA 18:11)

1. Kafedra antropologii (zav.- prof. M.A. Gremyatskiy) Moskovskogo
gosudarstvennogo universiteta. Submitted April 13, 1963.

5.

BELOVA, T.M.; KLYUYEV, M.M.

Metal pouring under laboratory conditions. Sbor.rats.predl.
vnedr.v proizvod. no.5:56 '60. (MIRA 14:8)

1. Zavod "Elektrostal".
(Molding (Founding))

BELOVA, T.P., Cand Agr Sci— (diss) "The effect of norms of seeding and methods of sowing of oats ⁱⁿ the yield of perennial grass in ~~the~~ Leningrad Oblast." Lon, 1958. 16 pp (Min of Agr USSR, Len Agr Inst), 130 copies (KL, 24-58, 121)

BELOV, Yevgeniy Ivanovich; BELOVA, Tamara Pavlovna; ALEKSEYEV, Yu.V., red.;
CHUNAYEVA, Z.V., tekhn. red.

[Green fallows in the northwestern U.S.S.R.] Zaniatye pary v
severo-zapadnoi zone SSSR. Leningrad, Gos. izd-vo sel'khoz. lit-ry,
1960. 62 p. (MIRA 14:9)

(Following)

BELOVA, T.S. (MOSCOW)

~~Conference of junior medical personnel at Botkin Hospital.~~

Med.sestra 17 no.7:45 J1'58

(MIRA 11:7)

(HOSPITALS--STAFF)

BELOVA, V.; BARNA, K.; KIRNER, A.; SZABAD, F.; BARNOVA, E.

Chloramphenicol levels in various tissues of the oral cavity
after its systemic application. Bratisl. lek. listy 45 no.1:
18-26 15 J1 '65.

1. Katedra lekárskej chémie Lek. fak. Univerzity P.J. Safarika
v Kosiciach (veduci z. doc. prom. lek. inz. K. Barna, CSc.) a
Katedra zubneho lekarstva Lek. fak. Univerzity P.J. Safarika v
Kosiciach (veduci doc. MUDr. A. Ruzicka).

BELOVA, V., svinarka Geroy Sotsialisticheskogo Truda

Study and introduce progressive practice. Sov.profsoyuzy 17
no.3:9-10 F '61. (MIRA 14:2)

1. Sovkhoz "Bol'shevik" Kalininskoy oblasti.
(Kalinin Province—Swine) (Kalinin Province—Trade unions)

KIRNER, A.; BELOVA, V.; BARNOVA, E.; SZABAD, F.

Treatment of odontogenic inflammations with chloramphenicol.
(Experimental study). Cas. lek. cesk. 103 no.44:1209-1215
30 0 '64.

1. Katedra zubneho lekarstva Lekarskej fakulty University
P.J. Safarika v Kosiciach, (vedouci doc. dr. A. Ruzicka` a
Katedra lekarskej chemie Lekarskej fakulty University P.J.
Safarika v Kosiciach, (veduci doc. inz. prom. lek. K. Barna,
CSc.).