

BOZGA, V.

"The leu monetary system and its forerunners" by Costin C. Kiritescu,
Bela Cselenyi, Constantin Iacobovici, Octavian Iliescu. Vol. 1.
Reviewed by V. Bozga. Probleme econ 17 no.7:138-142 J1 '64.

BOZGA, V.

"Disintegration of the Austro-Hungarian monarchy (1900-1918)."
Probleme econ 18 no.3:149-154 Mr '65.

BOZGAJ, S.

Need and possibilities of enriching poor iron ores. p. 357.
GEOLOŠKI VJESNIK, Zagreb, Vol. 5/7, 1951/53 (published 1954).

SO: Monthly List of East European Accessions, (SEAL), LC, Vol. 4, no. 10, Oct. 1955,
Incl.

BOZGAN, A.

The August 23 Plants as the main enterprise of the machine-construction industry. p. 695.

METALURGIA SI CONSTRUCTIA DE MASINI. (Ministerul Industriei Metalurgice si Constructiilor de Masini si Asociatia Stiintifica a Inginerilor si Technicienilor din Romania) Bucuresti, Rumania
Vol. 11, no. 8, Aug. 1959

Monthly List of East Europran Accessions (EEAI) IC Vol. 9, no. 2 Feb. 1950⁶.

Uncl.

BOZGAN, Aurel, ing.; MIHAESCU, Constantin D., ing.

Achievements obtained in our country in the field of cement line
building. Metalurgia constr mas 13 no.8:723-729 Ag '61.

(Rumania—Kilns) (Cement)

IONESCU, Al. Gh.; STANESCU, Ligia; BOZGAN, Viorica; TRESTIANU, S.;
SANDULESCU, D.

Determination of fatty alcohols by gas chromatography. Rev chimie
Min petr 14 no.6:347-349 Je '63.

1. Institutul de cercetari chimice.

L 39130-66

ACC NR: AP6030348

SOURCE CODE: RU/0003/65/016/003/0159/0161

AUTHOR: Stanescu, Gratiela; Bozgan, Viorica

35
B

ORG: none

TITLE: Infrared absorption spectra of calcium sulphate resulting from the preparation of phosphoric acid

SOURCE: Revista de chimie, v. 16, no. 3, 1965, 159-161

TOPIC TAGS: IR spectroscopy, phosphoric acid, calcium sulfate

ABSTRACT: The authors used precipitate, obtained from infrared spectroscopy, to establish the reaction time required for the formation of gypsum as the stable form during the preparation of phosphoric acid from Vietnamese phosphorites. Orig. art. has: 4 figures and 2 tables. [Based on authors' Eng. abst.] [JFRS]

SUB CODE: 07 / SUBM DATE: none / ORIG REF: 002 / SOV REF: 001
OTH REF: 009

ms
Card 1/1

MAMYTOV, A.M., akademik; MAKARENKO, V.A., mlad. nauchnyy sotr.;
SUKHACHEV, A.G., mlad. nauchnyy sotr.; BOZGUNCHIYEV, M.,
mladshiy nauchnyy sotr.; OBZOROV, A., mladshiy nauchn. sotr.;
VOZHEYKO, I.V., red.; ANOKHINA, M.G., tekhn. red.

[Practices in field station research on Alpine soils; as
exemplified by the Ak-Say Field Station] Opyt statsionarnogo
izucheniia vysokogornyykh pochv; na primere Ak-Saiskogo statsio-
nara. [By] A.M. Mamytov i dr. Frunze, Izd-vo Akad. nauk Kirgiz-
skoi SSR, 1962. 268 p. (MIRA 16:3)

1. Akademiya nauk Kirgizskoy SSR (for Mamytov).
(Ak-Say Valley (Kirghizistan))—Soils)

KHOVANOV, I.M., kand. tekhn. nauk; ORLOV, V.A., kand. tekhn. nauk;
BOZHAK, G.L., inzh.

Mobile inertia-type machine for unloading loose materials from
railroad cars. Izv. vys. ucheb. zav.; mashinostr. no. 10:
155-160 '65 (MIRA 19:1)

1. Submitted March 11, 1964.

LIPCHEV, G.; BOZHANCHEV, P.; IVANOV, Iv.

Cortisone-antibiotic therapy of influenza. Suvrem med., Sofia no.4;
63-66 '60.

L. Iz Obedinenata gradska bolnitsa, Omurtag (Glaven lekar: An.Krustev)
(INFLUENZA ther)
(CORTISONE ther)
(ANTIBIOTICS ther)

PANTELEEV, D.L.; PUSHKOVA, R.Iv.; BOZHANOV, An. S.

Two cases of rheumatic psychoses. Suvrem. med. Sofia 8 no.3:96-100
1957.

1. Iz Psikho-nevrologichnata bolnitsa v gr. Biala. (Gl. lekar: D. L.
Panteleev).

(RHEUMATISM, complications,
psychoses (Bul))

(PSYCHOSES, etiology and pathogenesis,
rheum. (Bul))

BOZHANOV, A.S.

~~Several complications of largactil therapy. Suvrem. med., Sofia 9 no.9:
93-95 1958.~~

1. Iz Psikho-nevrologichnata bolnitsa v gr. Biala (Gl. lekar: d. Pantelev)
(CHLORPROMAZINE, inj. eff. (Bul))

ABDULLIN, A., inzh. (Chelyabinsk); BOZHANOV, B., inzh. (Chelyabinsk)

Crop of invisible fields. Izobr. 1 rats. no.7:4-5 '63.
(MIRA 16:9)
(Grain--Cleaning) (Plants, Effect of electricity)on).

BOZHANOV, E. - MASHINIZIRANO, Zemedelie

Preliminary preparation for the basic leveling of a field for irrigation. p. 7
(MASHINIZIRAN ZEMEDELIE Vol. 6, No. 5, May 1955.)

SO: Monthly list of East European Accession, (EEAL), LC, Vol. 4, No. 9, Sept. 1955, Uncl.

BOZHANOV, E.

Correct operation of the machine for leveling land which is irrigated. p. 4.

Vol. 6, no. 10, Oct. 1955
MASHINIZIRANO ZEMEDELIE
Sofiya, Bulgaria

So: Eastern European Accession Vol. 5 No. 1 Jan. 1956

BOZHANOV, E.

Leveling the fields for watering. p. 28.

Vol. 10, no. 6, June 1955
KOOOPERATIVNO ZEMEDELIE
Sofiya, Bulgaria

So: Eastern European Accession Vol. 5 No. 1 Jan. 1956

BOZHANOV, E.

Improving construction of bulldozers as a means of increasing their
efficiency. p. 16

MASHINIZIRANO ZEMEDELIE. Vol. 7, No. 2, Feb. 1956

Sofiya, Bulgaria

So. East European Accessions List

Vol. 5, No. 9

September, 1956

BOZHANOV, E.

BOZHANOV, E. New implement for leveling plots of irrigation. p. 23. Vol. 7
no. 10. Oct. 1956. MASHINIZIRANG ZEMEDELIE. Sofia, Bulgaria

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

BOZHANOV, E.

BOZHANOV, E. Cleaning the irrigation canals. p.28.

Vol. 11, no. 10, Oct. 1956

KOOPERATIVNO ZEMEDELIE

AGRICULTURE

Sofia, Bulgaria

SO: East European Accession, Vol. 6, No. 3, March 1957

BOZHANOV, E.

BOZHANOV, E. Winter preparations for improvement of irrigation of farm land.
p. 30 Vol. 11, no. 11, Nov. 1956. KOOPERATIVNO ZEMEDELIE. Sofia, Bulgaria

SOURCE: East European Accessions List (EEAL) Vol. 6 No. 4 April 1957

BOZHANOV, P.

Quick method for determining the average transporting distances in doing
groundwork.

P. 19, (Mashinostroeno Naredenie) Vol. 6, no. 3 11-r. 1957, Sofia, Bulgaria

SC: Monthly Index of East European Accessions (SEAI) Vol. 6, No. 13 November 1957

BOZHANOV, E.

Thorough leveling of the irrigated fields. p. 30.
(Kooperativno Zemedelie, Vol. (12) no. 6, June 1957. Sofia, Bulgaria)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

EOZHANOV, E.

"Application of the Horse-drawn Drag Scraper for Cleaning the Irrigation Canals."

p. 32 (Kooperativno Zemedelie, No. 6, June 1958, Sofia, Bulgaria)

Monthly Index of East European Accession (EEAI) LC, Vol. 7, No. 11,
Nov. 1958

~~BOZHANOV, Emil Stepanov~~, inzh.; ZAYDENBERG, Leonid Maksovich, inzh.;
~~KRUG, German Karlovich~~, kand. tekhn. nauk, dotsent

Statistical approximation of the continuous equations of the
coupling of complex processes. Izv. vys. ucheb. zav.; elektromekh.
5 no.12:1319-1326 '62. (MIR^A 16:6)

1. Moskovskiy energeticheskiy institut.
(Automatic control)

IVANCHENKO, Georgiy Yevtikhiyevich, prof., doktor tekhn. nauk;
MARKUS, Georgiy Oskarovich; SAVCHENKO, Vladimir Leont'iyevich;
LEVIDOV, Yuriy Samuilovich; LANGE, Mark Vasil'yevich; PESIN,
Naum Yakovlevich; BOZHANOV, S.M.; MIRSKAYA, V.V., red.izd-va;
LAVRENT'YEVA, L.G., tekhn. red.

[Automatic control of hoists] Avtomatizirovannoe upravlenie
mashin. Pod red. G.E.Ivanchenko. Moskva, Gosgortekhzdat,
1963. 116 p. (MIRA 16:5)

(Karaganda Basin--Mine hoisting)
(Automatic control)

BOZHANOVA, A.P.

Conference on the coordination of research, experimental, and planning and design operations in the production of citric and malic acids from cotton leaves. Izv. AN Turk. SSR, Ser. biol. nauk no.2:87-88 '61. (MIRA 14:7)

1. Institut botaniki AN Turkmenskoy SSR.
(COTTON WASTE—CONGRESSES) (CITRIC ACID)
(MALIC ACID)

KUNNCS, G.Ya.; BOZHANOVA, S., red.; PILADZE, Ye., tekhn. red.

[Sawdust concrete] Opilkobeton. Riga, Izd-vo Akad.nauk Lat-
viiskoi SSR, 1960. 25 p. (MIRA 14:12)
(Lightweight concrete)

BOZHANOV, P.

"Irrigation farming in the District of Burgas."

p. 23 (Geografiia, Vol. 8, No. 6, 1958, Sofia, Bulgaria)

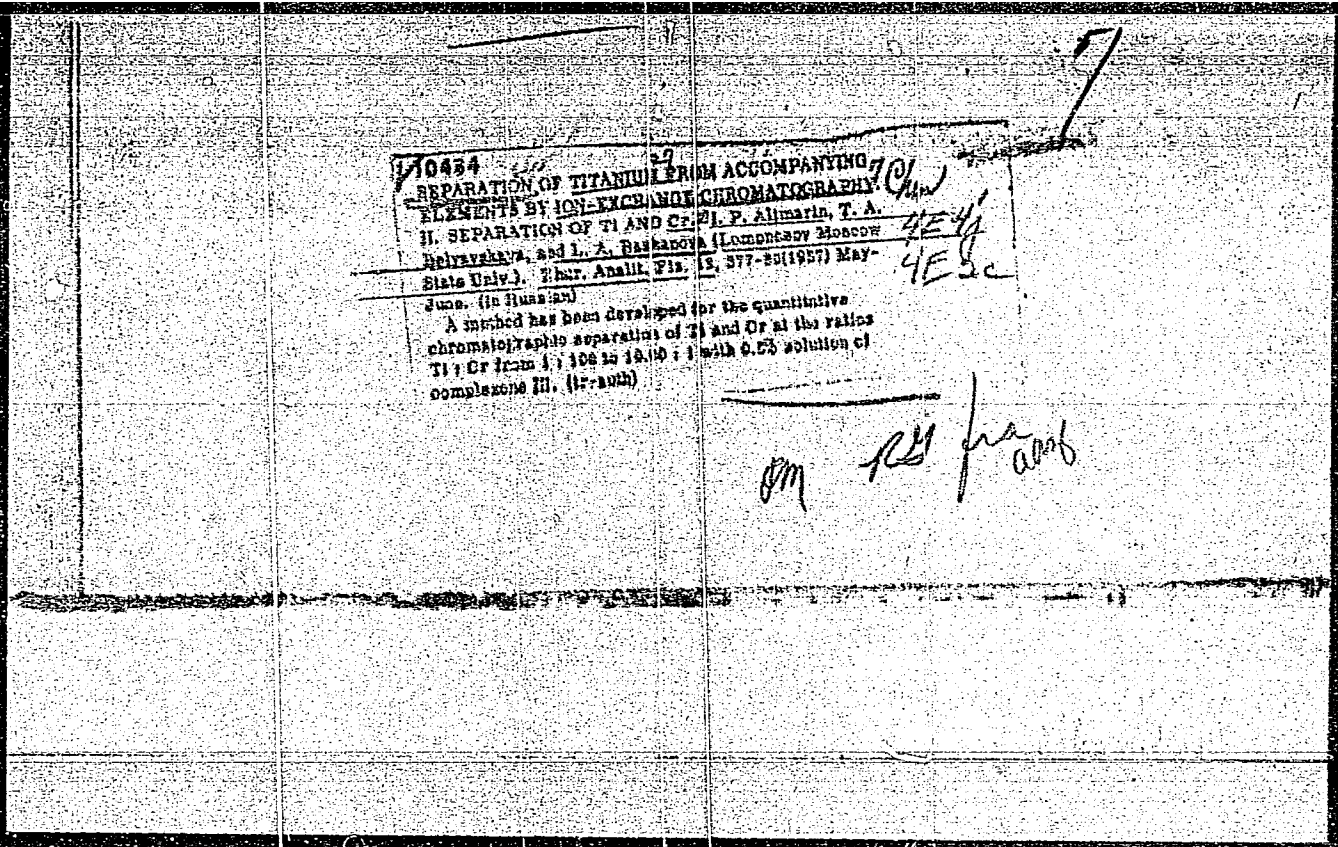
Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 11,
Nov. 1958

GIMEL'SHEYN, Leonid Yakovlevich; BOZHANOVA, Galina Ivanovna;
ISTOMIN, P.S., otv. red.; ASTAKHOV, A.V., red. izd-va;
KOROVENKOVA, Z.A., tekhn. red.

[Handbook for the mechanic of a coal mine section] Spravochnik mekhanika uchastka shakhty. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po gornomu delu, 1959. 298 p.

(Coal mining machinery)

(MIRA 13:2)



BOZHAROV, E.

"Distribution of Zeros in a Class of Polynomials and in Integral Functions." P. 11
(DOKLADY, Vol. 3, No. 2/3, Apr./Dec. 1950 [Published 1951]. Sofiya, Bulgaria.)

So: Monthly List of East European Accessions, Vol. 3, No. 5, May 1954/Unclassified

BOZHDEDOMOV, Aleksandr Ivanovich; KOZODOYEV, I.I., prof., red.;
GARSIA, L., red.; DARONYAN, M., mladshiy red.; KIRSANOVA, I.,
mladshiy red.; MOSKVINA, R., tekhn. red.

[Petroleum leases in capitalist countries] Neftianaiia renta v
stranakh kapitalizma. Pod obshchei red. I.I.Kozodoeva. Moskva,
Sotsekgiz, 1962. 337 p. (MIRA 15:7)
(Oil and gas leases)

Bozhedomov, A.F.

USSR/Farm Animals. Cattle

Q-2

Abs Jour : Ref Zhur - Biol., No 8, 1958, No 35651

Author : Bozhedomov A.F.

Inst : Not Given

Title : The Influence of Calcium Phosphate and Sodium Chloride Supplementation of Feeds upon the Rate of Weight Gain in Calves under Conditions of Pasture Maintenance (Vliyeniye Dopolnitel'noy fosforno-kal'tsiyevoy i khloro-natriyevoy podkormiki na prives tolyot v usloviyakh pastbishchnogo sodержaniya)

Orig Pub : Tr. Sverdl. s.-kh. in-ta, 1957, 1, 199-202

Abstract : The calcium phosphate and sodium chloride supplementation of pasture-feeding, in the form of bone meal (36 g. per head) and salt (12 g.), of calves maintained on forest-shrub type of pastures with podsollic soils, increased the appetite of the calves, the utilization of grasses, and the average daily rate of gain (by 295 g.)

Card : 1/1

BOZHEDOMOV, Aleksandr Ivanovich

[Ground rent in capitalist petroleum production] Zemel'naya
renta v kapitalisticheskoi neftedobyvaushchei promyshlennosti.
Groznyi, Checheno-Ingushskoe knizhnoe izd-vo, 1958. 171 p.
(MIRA 16:2)

(Petroleum industry--Finance)

BOZHEDOMOV, Aleksandr Fedorovich; DAVYDOVA, I., red.; PAL'MINA, N.,
tekh.red.

[Feeds, their evaluation and utilization] Korma, ikh otsenka
i ispol'zovanie. Sverdlovsk, Sverdlovskoe knizhnoe izd-vo,
1959. 318 p. (MIRA 14:1)

(Feeds)

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

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

CA 22

Common Elements

Common Variables Index

EXPERIMENTAL COKING OF PETROLEUM RESIDUES IN COAL-COKE PLANTS. A. I. Skoblo and G. T. Borzhedomov. *Azerbaidzhanche Neftyanoe Khasyulise* 1933, No. 11-12, 105-8.—Expts. made with a Koppe coke furnace using asphalt contg. 81.3 and 40% volatile matter were unsatisfactory because of the construction of the furnace. The coke ashd. to 13 and 81.5% and contained ash 3.29-0.72, volatile matter 0.98-1.54, S 0.63-1.02 and H₂O 2.4%. Its mech. properties depended upon the time of coking. A. A. Bochtlingk

ASPH-3LA METALLURGICAL LITERATURE CLASSIFICATION

MATERIALS INDEX

ASPH-3LA METALLURGICAL LITERATURE CLASSIFICATION

ALPHABETIC INDEX

1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

BOZHEDOMOV, V.I.; BUDCHANOV, B.

Quality and speed are the mottoes of competition. Rech. transp.
24 no.6:16-17 '65. (MIRA 18:8)

1. Kapitán teplokhoda "Ozernyy-95" (for Bozhedomov). 2. Korrespondent
zhurnala "Rechnoy transport" (for Budchanov).

S/186/61/003/001 019/020
A051/A129

AUTHORS: Bozhak, E.A., Istronskiy, I.I., Shinchik, S.Ya.

TITLE: Separation of iron and cobalt using ASD-2 (ASD-2) anionite

PERIODICAL: Radiokhimiya, v 3, no 1, 1961, 114-116

TEXT: The Soviet-produced ASD-2 strongly-basic anionite was used to separate small quantities of iron and cobalt in addition to the radio-active isotopes Fe^{55} and Co^{60} . It was found that admixtures of Fe^{55} and Co^{60} were present in the radioactive Fe^{59} sample. The authors showed that it was possible to use the ASD-2 anionite instead of the Dowex-1X8 for separating iron and cobalt. The experimental procedure was as follows: the radioactive solutions of iron and cobalt were prepared in two ways: a) 1.15 g of iron powder containing its radioactive isotope were dissolved in 10 ml of hot 6 n.HCl and evaporated until almost dry, then $FeCl_3$ was dissolved at room temperature in 40 ml of 11.3 n HCl. Chlorine was passed through the solution in order to

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S/19E/61/003/0C1/019/020
A051/A129

V

Separation of iron and cobalt ...

acidify Fe^{2+} to Fe^{3+} . A solution was obtained with a concentration of 28.75 mg of Fe^{3+} /ml and an activity of 50 $\mu\text{C}/\text{ml}$. b) radioactive cobalt in the form of a thin wire (0.0242 g) was dissolved in 10 ml of hot 6 n HCl and evaporated until dry. Then the precipitate was dissolved in 20 ml of 11.3 n HCl at room temperature. The obtained solution contained 1.21 mg of Co^{2+} /ml and its activity was about 25 $\mu\text{C}/\text{ml}$. The necessary fraction of the anion-exchanging resin ASD-2 was taken off by elutriating from aqueous suspensions. The $\sim 30 \mu$ diameter particle fraction was used. The anionite was washed either in advance or in the column and the contaminating cationites were removed with 3 n HCl. A glass column with a 2-mm diameter and 65 or 100 mm high was used in the experiment. The resin in the column was washed with 1 ml of 11.3 n HCl. In each experiment from 0.02 to 0.08 ml of solution was taken, containing the radioactive isotope, and 5 ml of 11.3 n HCl was passed through (14-fold free volume of the column). The absence of the activity of the eluate indicated that Fe^{3+} and Co^{2+} are completely adsorbed from concentrated solutions of HCl. The washing of the column with 1 ml of 6 n HCl rinsing out bi-valent manganese according to literature data (Ref 2, 5) does not bring about the rinsing out of the investigated isotopes. The rate of

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Separation of iron and cobalt ...

S/186/61/003/001/019/020
A051/A129

flow of the washing-out agents was regulated by the height of the mercury column and was equal to $0.05 \text{ ml} \cdot 0.03 \text{ cm}^{-2} \cdot \text{min}^{-1}$. The separation was carried out at room temperature. The activity of the initial solution and eluates was measured on a butt counter with a statistical error of $\pm 3\%$. There are 2 graphs and 9 references: 5 Soviet-bloc, 4 non-Soviet-bloc.

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Separation of iron and cobalt ...

S/186/61/003/001/019/020
A051/A129

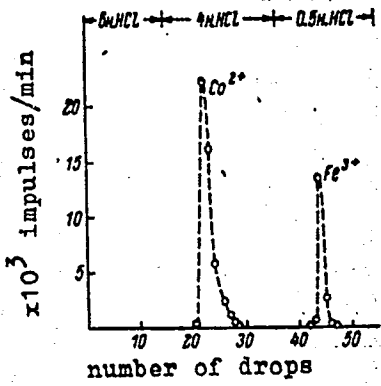


Figure 1:
Curve of rinsing-out the radioactive cobalt and iron anionites on an ASD-2 anionite.

Card 4/4

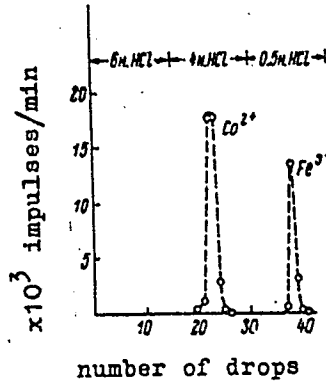


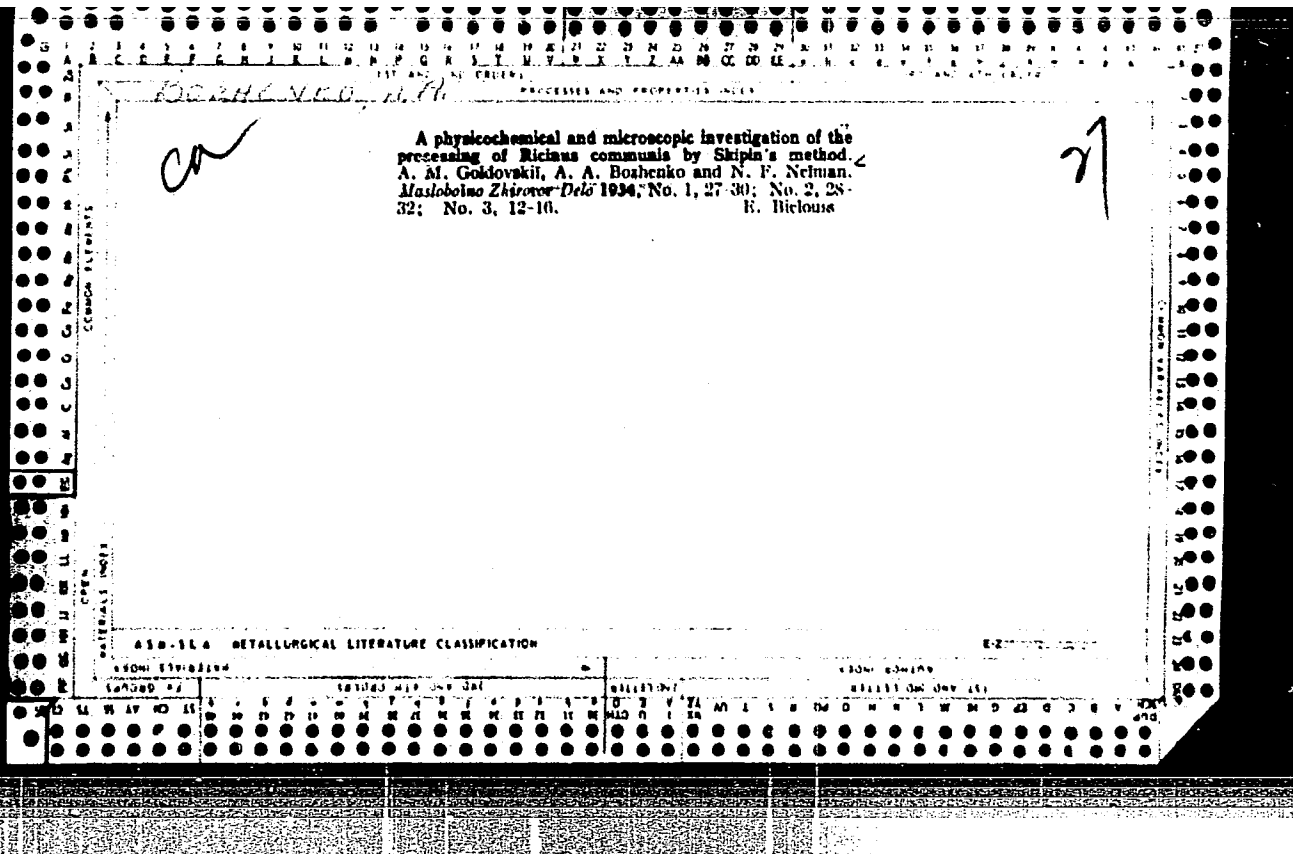
Figure 2:
Curve of rinsing-out of the radioactive cobalt and iron isotopes on the Dowex-1X8 anionite.

BOZHEK, ~~KLEMYK~~, Cand Phys-Math Sci -- (diss) "Study of the
electric field of dipole over structures with non-horizontal
separation boundaries (with the aid of
~~partition limits~~ *models).*" Len, 1958. 15 pp (Len Order
of Lenin State Univ im A. A. Zhdanov), 125 copies (KL, 18-58,
94)

BLINOV, G.A.; BOZHENIN, I.N.

Some aspects of the electronics of alloyed semiconductor troides.
Izv.vys.ucheb.zav.; fiz. no.5:55-64 '61. (MIRA 14:10)

1. Sibirskiy fiziko-tekhnicheskiy institut pri Tomskom
gosudarstvennom universitete imeni V.V.Kuybysheva.
(Junction transistors)



BOZHEVOL'NOV, Ye.A.; SOLOV'YEV, Ye.A.

Rapid luminescence method for determining lead. Zhur. anal.
khim. 20 no.12:1330-1335 '65. (MIRA 13:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh
reaktivov i osobo chistykh khimicheskikh veshchestv, Moskva.
Submitted August 8, 1964.

BOZHENKO, ALEKSANDR MIKHAILOVICH

BALASHOV, Aleksandr Nikolayevich; ~~BOZHENKO, Aleksandr Mikhailovich;~~
KAZAKOV, Boris Nikolayevich; ~~SOLONTSOV, Z., red.;~~ DANILINA, A.,
tekhn.red.

[Egypt in struggle and at work; travel notes] Egipet v bor'be
i trude; putevye zametki. Moskva, Gos.izd-vo polit.lit-ry, 1957.
61 p. (MIRA 10:12)

(Egypt--Description and travel)

BOZHENKO, A. S.

"Determination of the Center of Flexure of Profiles Composed of Straight Line Regions"

Sb. Nauch. Tr. Tashkentsk. In-ta Inzh. Zh.-d Transp, No 4, 1954, 3-21

The author studies the flexure of profiles having one axis of symmetry (T-, U-, and H-sections) under the action of a force in a plane perpendicular to the axis of symmetry. For this purpose the profiles are separated into straight-line regions, and for each one a stress function is determined which satisfies all boundary conditions and conditions of conjugation of two contiguous regions. (RZhMekh, No 7, 1955)

SO: Sum-No 787, 12 Jan 56

BOZHENKO, A.S., prof., doktor tekhn.nauk

Torsion of rods with polygonal cross sections. Sbor. LIZET
no. 164:219-230 '59. (MIRA 13:8)
(Torsion) (Elastic rods and wires)

BOZHENKO, A.S., prof., doktor tekhn.nauk; ZHEVERZHEV, V.F., dotsent,
kand.fiziko-matem.nauk

Bending of triply connected profiles with polygonal sections.
Sbor.LIIZHT no.164:231-241 '59. (MIRA 13:8)
(Elastic rods and wires)

BOZHENKO, B.S.

BOZHENKO, B.S.; SHTERN, V.N.

Tomofluorograph of the "Rentok" plant. Vest.rent. i rad. 32 no.4:
68-70 J1-Ag '57. (MIRA 10:11)

1. Iz kafedry rentgenologii i radiologii (zav. - dotsent V.N.
Shtern) Saratovskogo meditsinskogo instituta (dir. - dotsent B.A.
Nikitin)

(ROENTGENOGRAPHY, appar. and instruments
tomofluorograph)

BOZHENKO, B. S.

Seismocardiography — a new method in the study of the functional state of the heart. Terap. arkh. no.9:55-64 '61. (MIRA 15:2)

1. Iz fakul'tetskoy terapevticheskoy kliniki (dir. - prof. L. A. Varshamov) Saratovskogo meditsinskogo instituta.

(HEART) (CARDIOGRAPHY)

BOZHENKO, G. M. I LISA N. YA.

35865 Turmalen. Iz pegmatitovykh obrazovaniy zapadnoy volyni. mineral. Sbornik
(L'vov) no. 3, 1949, s. 217-18

SO: Letopis' Zhurnal'nykh Statey, No. 49, 1949

BOZHENKO, G.M.

6P Mineralogy of pegmatite occurrences of West Volyn:
G. M. Bozhenko and N. Ya. Lis (Lvov Univ.). *Mis-*
crlogy, Warsaw, Pol. Geol. Obitazhenko 3, 241-50(1950).
The pegmatites are characterized by extensive albite re-
placement, the development of quartz-muscovite aggre-
gates, and the presence of abundant tourmaline and garnet
in the contact zone. Chem. analysis of biotite and garnet
are included. Marie Siegrist

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Bozhenko, I.

BOZHENKO, I., LEVINA, NIKONOVA, V.

Reorganization of public health system in the Budonnov district.
Sovet. zdraookhr. No. 3, May-June 50. p. 35-9

GLML 19, 5, Nov., 1950

BOZHENKO, I. N., kandidat sel'skokhozyaystvennykh nauk.

Variation in the dry matter content of tomatoes. Trudy VNIKOP no.5:
136-148 '55. (MLRA 9:11)
(Tomatoes)

Country : USSR

M

Category: Cultivated Plants. Potatoes. Vegetables. Melons.

Abs Jour: RZhBiol., No 11, 1958, No 48953

Author : Bozhenko, I.N.

Inst : Inst. of Canning and Vegetable Preservation Industry.

Title : Local Application of Fertilizers Under Tomatoes.

Orig Pub: Michurinsk, sb. Krasnodar, "Sov. Kuban'", 1957,
243-251

Abstract: The 1951-1953 experiments at the experimental station of the Institute of Canning and Vegetable Preservation Industry in the Crimea area of the Krasnodarskiy Kray showed that the placement of large doses of mineral fertilizers by broadcasting under unirrigated tomatoes has little effect regardless of the period of their application (in fall plowing or in spring

Card : 1/3

Country : USSR

M

Category: Cultivated Plants. Potatoes. Vegetables. Melons.

Abs Jour: RZhBiol., No 11, 1958, No 48953

of transplanting of the seedlings. Good results
are also produced by placing granulated super-
phosphate alone (30 kg/ha) into the planting holes. --
M.N. Nemchinova

Card : 3/3

USSR/Cultivated Plants - Potatoes. Vegetables. Melons.

M-3

Abs Jour : Ref Zhur - Biol., No 7, 1958, 29809

Author : Bozhenko, I.N.

Inst : -

Title : Fertilizer Placement of Tomatoes.

Orig Pub : Udobreniye i urozhay, 1957, No 2, 26-29

Abstract : The results are treated of experiments on dosages, methods and times of applying mineral fertilizers on tomatoes which were made in 1951-1953 in Krymskiy Rayon of Krasnodarskiy Kray. Fertilizer placement in large doses directly under the plants produced a larger yield boost than by the broadcast method. To increase the dry matter content in the fruit, it proved best to apply P_c together with NK and especially with N. Production tests at six points in Krymskiy Rayon support the conclusion that under the conditions prevailing in this rayon it is necessary to apply fertilizers locally.

Card 1/1

Bozhenko, I.N.

BOZHENKO, I.N.; ZAOSTROVSKAYA, Ye.N.

Ensuring the supply of raw products to canning factories in the
Hungarian People's Republic. Kons. i ov.prom. 12 no.9:37-39 S '57.
(MIRA 10:10)

1. Opytno-selektсионnaya stantsiya Vsesoyuznogo nauchno-issledovatel'skogo
instituta konservnoy i ovoshchesushil'noy promyshlennosti v stanitse
Krymskoy (for Bozhenko). 2. Vsesoyuznyy nauchno-issledovatel'skiy
institut konservnoy i ovoshchesushil'noy promyshlennosti (for
Zaostrovskaya).

(Hungary--Canning industry)

BOZHENKO, I.N.

Raising the dry substance content of tomatoes. Kons.1 ov.prom.
15 no.10:13-16 o '60. (MIRA 13:10)

1. Opytno-selektсионная stantsiya Vsesoyuznogo instituta raste-
niyevodstva v g. Krymske.
(Tomatoes)

BOZHENKO, I. S.

Bees

Gathering of "bee glue" by bees. Pchelovodstvo 30, No. 2, 1953.

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

BOZHENKO, L.V.

State of the adrenal cortex during the protection of the
organism against radiation sickness with cysteamine and
acetylcholine combined with adrenalin. Vop.radiobiol. 2:
402-407 '57. (MIRA 12:6)

1. Sotrudnik Tsentral'nogo nauchno-issledovatel'skogo rentgeno-
radiologicheskogo instituta Ministerstva zdravookhraneniya SSSR.
(ADRENAL CORTEX) (RADIATION PROTECTION) (PHARMACOLOGY)

BOZHENKO L. V.
EXCERPTA MEDICA Sec 3 Vol 13/4 Endocrinology Apr 59

706. THE ADRENAL CORTEX IN RADIATION SICKNESS (Russian text) -
Bozhenko L. V. MED. RADIOL. 1957, 2/4 (44-50)

Irradiation of rats with a dose of 300 and 600 r. evokes in the first days a diminution in the content of ascorbic acid in the adrenals by 27% and an increase in the weight of the adrenals. From 3 to 7 days (300 r.) and from 3 to 14 days (600 r.) there is observed a diminution of the weight of the adrenals by 7% and 18% respectively, and an increase in the content of ascorbic acid by 8% and 18%. There then follows a period of normalization and intensification of function. Upon irradiation with a dose of 1500 r. there occurs initially a diminution of the quantity of ascorbic acid by 35% and then the content remains approximately constant; nonetheless, the adrenals uninterruptedly degenerate and the animals perish on the 3rd-4th day. (S)

... ON THE URINARY

BOZHENKO, L. V.: Master Med Sci (diss) -- "The state of the suprarenal cortex in radiation disease". Leningrad, 1958. 19 pp (Central Sci Res Inst of Med Radiology, Min Health USSR) (KL, No 2, 1959, 124)

Effect of various methods of supply of trace elements on development of the crop of, the fodder qualities of red clover, and on the content of trace elements in it. M. Ya. Shkol'nik and V. P. Bozhenko. *Izv. Akad. Nauk S.S.S.R., Ser. Biol.* 1956, No. 3, 30-37. Seed treatment with Zn gave the greatest growth of plant mass in comparison with B or Mo. In 2-year expts. the Zn treatment nearly doubled the yield of clover in both acidic and nearly neutral soils. Mo gives a better result in acidic soil than in neutral soil. Introduction of B or especially Mo by spraying of the plant, rather than through the roots, raises the content of these elements in the plant more than does the root feeding. PK fertilizers tend to raise the content of Mo and lower that of B in the plant. Zn tends to lower the content of B in the plant. In acidic soils spraying with Mo gives a better effect than root feeding. Seed pretreatment with Zn and spraying of the plant with Mo gave the best root growth in clover with increased development of nodules. Addn. of Mo to the soil gave the same growth improvement as PK fertilizer. Zn and B and especially Mo increased the content of vitamin C in the leaves and roots of clover; liming of soil also gave this effect. The carotene content was raised by Mo and Zn, less by B, along with liming and PK fertilization. Cu, Zn, Mo, P, and K raised the content of proteins and carbohydrates in the plant mass. PK was particularly effective in raising protein content. (S. M. Koshchovii)

BOTANICAL INST.

BOZHENKO, V. P.

USSR/Plant Physiology - Mineral Nutrition.

I-3

Abs Jour : Ref Zhur - Biol., No 5, 1958, 19975

Author : Bozhenko, V.P.

Inst : Botanical Institute Academy of Sciences USSR

Title : The Influence of Zinc, Molybdenum and Boron on Carbo-
hydrate-Protein Metabolism and the Yield of Red Clover.

Orig Pub : Microelementy v s.kh. i meditsine. Riga, AN LatvSSR,
1956, 167-179.

Abstract : Studies were conducted during a period of two years of
vegetation and field experiments of the effect of Zn,
Mo, Cu, Mn, and B on red clover when introduced by
various methods into the following types of soil:
podzolic acid, (pH 5.4); poor in loose phosphorus;
weakly acid (pH 6.0); fertile soil; perinnial grasses
soil; almost neutral soil (pH 6.8).

Card 1/3

USSR/Plant Physiology - Mineral Nutrition.

I-3

Abs Jour : Ref Zhur - Biol., No 5, 1958, 19975

Zn when introduced into neutral and acid soils and when used for the pre-planting treatment of seeds had a most significant effect on the yield of the above-ground mass of clover. Mo when used for non-root feeding and for preplanting treatment of seeds produced higher yields of clover, than when introduced into the soil. Under the influence of Zn and Mo the growth of the root system was improved and the amount and size of the tubers increased. Microelements, as well as PK and lime, increased the content of carbohydrates in above-ground parts and in the roots in acid soil, Zn, Mo and B increased the synthesis of saccharase and starch, and also the flow of hydrocarbons to the roots. Zn increased the content of hydrocarbons including soluble hydrocarbons, saccharase, starch in flower-bearing shoots and in the flowers and leaves of flower-bearing shoots.

Card 2/3

USSR/Plant Physiology - Mineral Nutrition.

I-3

Abs Jour : Ref Zhur - Biol., No 5, 1958, 19975

Zn, Mo, B and Cu increased the protein contents in the above-ground parts of the clover, especially on acid soil. This work was carried out in the Botanical Institute of the Academy of Sciences of the Union of Soviet Socialist Republics.

Card 3/3

USSR / Cultivated Plants. Fodder Grasses and Edible M
Roots.

Abs Jour : Ref Zhur - Biologiya, No 6, 1959, No. 24927

Author : Bozhenko, V. P.
Inst : Botanical Garden AS USSR
Title : The Importance of Zinc and Molybdenum in
 the Nutrition of Red Clover

Orig Pub : Tr. Botan. in-ta AN SSSR, 1958, ser. 4, vyp 12,
 193-231

Abstract : In 1953-1955 in vegetational experiments,
 the Botanical Scientific Institute studied
 the action of microelements on a variety of
 red clover, Sivoritskiy 416, in soils with a
 pH of 4.5, 5.4 and 6.0. Zn on acid and
 neutral soils displayed the greatest effect
 on the growth and harvest of the mass above

Card 1/4

USSR / Cultivated Plants. Fodder Grasses and Edible Roots. M

Abs Jour : Ref Zhur - Biologiya, No 6, 1959, No. 24927

ground, especially during the pre-sowing treatment of the seeds. The action of Mo showed up best of all on acid soil. Zn and Mo improved the growth of the clover's root system and increased the quantity of the tuberlets. Development of the clover was accelerated by the joint application of P and K, lime with B or by the introduction of Mo in soil at the outside-root feeding by B and the pre-sowing treatment of the seeds by Zn. The vitamin C content increased at the pre-sowing treatment of the seeds by salt solutions of Zn, B, Cu and Mn, and also by introducing Mo and lime in soil. The carotin content was increased successfully at the

Card 2/4

USSR / Cultivated Plants. Fodder Grasses and Edible
Roots.

M

Abs Jour : Ref Zhur - Biologiya, No 6, 1959, No. 24927

extra-radical feeding and the pre-sowing treatment of the seeds by Mo and Zn and, to a lesser extent, at the introduction of B in soil or a joint application of P, K and lime. Mo, B and Zn on acid soil significantly increase the content of carbohydrates and protein in the mass above the ground the saccharose synthesis and the flow of carbohydrates to the roots, thereby assisting in the increase of resistance to cold. Extra-radical feeding by Mo and B increases the content of these substances in the plants; PK increases the Mo content and decreases the B content. Data on the tension change of the oxidizing-reducing processes in clover in

Card 3/4

91

USSR / Cultivated Plants. Fodder Grasses and Edible
Roots.

M

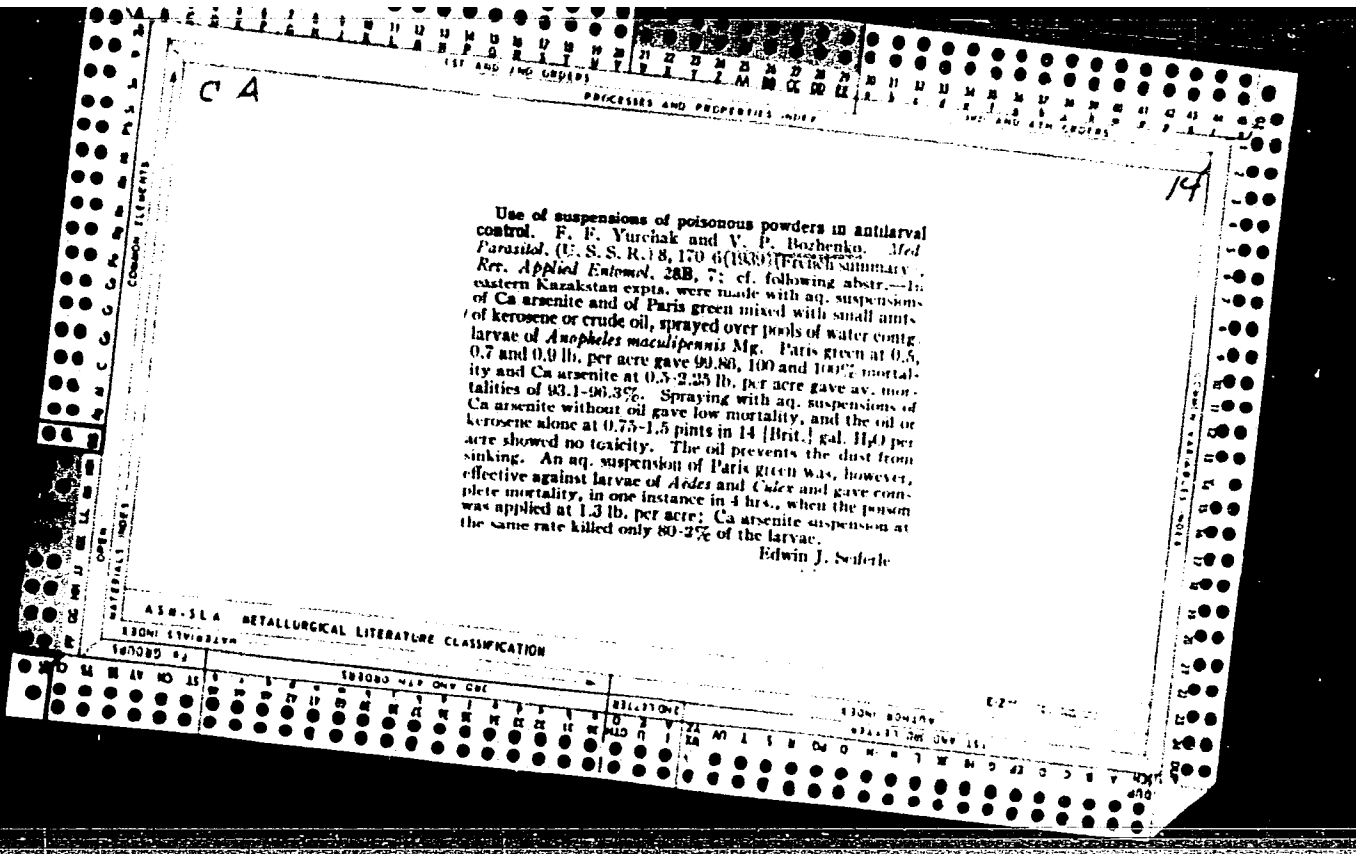
Abs Jour : Ref Zhur - Biologiya, No 6, 1959, No. 24927

various periods of development are submitted.
In the rosette leaves of the plants, which had
passed over into reproduction, there are
observed a higher activity of the dehydro-
genases, polyphenoloxidases and peroxidases,
a high respiration intensity and ascorbic-
acid content. -- M. P. Ovsyannikova

Card 4/4

SHKOL'NIK, M. Ya.; BOZHENKO, V.P.

Boron requirements of cereals, the particular role of this element
in fruit formation and its significance in nitrogen metabolism.
Trudy Bot. inst. Ser.4 no.14:284-303 '60. (MIRA 14:3)
(Plants, Effect of boron on) (Grain)



BOZHENKO, V. P.

"Ceriscopes as Transmitters of Tularemia," Zhur. Mikrobiol., Epidemiol. i Immunobiol., No.12, 1941

BOZHENKO, V. I.

20624 Bozhenko, V. P. Materialy k Faune Sulisinaye (or Culicinae) Vostochnogo Kazakhstana. Izvestiya Akad nauk Kazakh, SSR, No. 44 Seriya parazitol., vyp. 6, 1948, s. 56-61 - Resyume na Kazakh. Yaz.- Bibliogr: 16 Nazv.

SO: LETOPIS ZHURNAL STATEY - Vol. 28, Moskva, 1949

BOZHENKO, V. P.

21011 Bozhenko, V.P. & Knyazevskiy, A.N. Osenniyaya Mukha-zhigalka Stomokhus calcitrans
L. Kak perenoschik Tulyaremii Izvestiya Akad Nauk Kazakh SSR No. 44, Seriya Darazitol,
vyp. 6, 1948, s. 62-66--Rezyume Na Kazakh yaz--Bibliogr 6 Nazv.

SO: LETOPIS ZHURNAL STATEY- Vol. 28, Moskva, 1949

BOZHENKO V.P.

21010 Bozenko, V.P. i Yeligar'yeva, M.V. Obivaruzeniye Spontanno Zarazhennykh V. tularensis slepnyaya-zlaloglazika chaysops Relictus Mgn i Komarov Aedes sp. sp. v prirodnom ochago (tulyarmii) Izvestiya Akad Nauk Kazakh. SSR No 44, Seriya Parazitol, vyp. 6, 1948, s. 67-69—Rezyume Na. Kazakh Yaz—Bibliogr 8 Nazv.

SO: LETOPIS ZHURNAL STATEY- Vol. 28, Moskva, 1949

BOZHENKO, V.P.; SHEVCHENKO, S.F.

Ecology of the tick *Ixodes laguri laguri* Ol. Zool.zhur. 32 no.5:853-856 S-0
'53. (MIRA 6:10)

1. Rostovskiy nauchno-issledovatel'skiy institut Ministerstva zdravookhraneniya
SSSR. (Ticks)

BOZHENKO, V.P.; SHEVCHENKO, S.F.

Ecology of the tick *Dermacentor marginatus* Sulz. in the
Don Delta. Zool.zhur. 33 no.3:556-560 My-Je '54. (MLRA 7:7)

1. Rostovskiy nauchno-issledovatel'skiy institut Ministerstva
zdravookhraneniya SSSR.
(Don Delta--Ticks) (Ticks--Don Delta)

BOZHENKO, V.P.; SHEVCHENKO, S.F.

Ecology of the tick *Ixodes laguri laguri* O1. in connection with its role in sustaining natural reservoirs of tularemia [with English summary in insert]. Zool.zhur. 35 no.6:837-842 Je '56.
(MLRA 9:10)

1. Rostovskiy nauchno-issledovatel'skiy institut Ministerstva zdravookhraneniya SSSR.
(TICKS AS CARRIERS OF DISEASE) (TULAREMIA)

KARPUZIDI, K.S.; BOZHENKO, V.P.; BICHUL', K.G.

Role of ticks in the epizootology and natural focal development of
plague in the northwestern Caspian Sea region. Sbor. nauch. rab.
Elist. protivochum. sta. no. 1:109-117 '59. (MIRA 13:10)
(CASPIAN SEA REGION--TICKS AS CARRIERS OF DISEASE)
(PLAGUE)

BOZHENKO, V.P.; SHKOL'NIK, M.Ya.; MOMOT, T.S.

Effect of microelements on the ATP content of plants under conditions of water deficiency and the action of high temperatures. Dokl. AN SSSR 153 no.6:1447-1449 D '63.

(MIRA 17:1)

1. Botanicheskiy institut im. V.L. Komarova AN SSSR. Predstavleno akademikom A.L. Kursanovym.

SHKOL'NIK, M.Ya.; MAYEVSKAYA, A.N.; BOZHENKO, V.P.; ALEKSEYEVA, Kh.A.

Morphological variability of plants caused by boron deficiency. Bot.
zhur. 49 no.11:1584-1591 N '64. (MIRA 18:1)

1. Botanicheskiy institut imeni V.L.Komarova AN SSSR, Leningrad.

BOZHENKO, V. S.

BOZHENKO, V. S.- "Effect of Internal Radial Slits of a Circular Saw on the Distribution of Stresses." Min of Higher Education USSR, Forestry-Engineering Order of Lenin Academy imeni S. M. Kirov, Leningrad, 1955 (Dissertations For Degree of Candidate of Technical Sciences)

SO: Knizhnaya Letopis' No. 26, June 1955, Moscow

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 11, p 163 (USSR) SOV/124-58-11-13005

AUTHOR: Bozhenko, V. S.

TITLE: The Effect of Internal Radial Slots on Stress Distribution in a Circular Saw (O vliyanii vnutrennikh radial'nykh shcheley krugloy pily na raspredeleniye napryazheniy)

PERIODICAL: Tr. Vses. zaochn. lesotekhn. in-ta, 1956, Nr 2, pp 163-166

ABSTRACT: A circular saw with radial slots, as employed in the wood-working industry, is regarded as a revolving disk of constant thickness with a central opening surrounded by three concentric zones: Two rings adjoining the inner and the outer circumference of the disk and an intermediate zone containing the radial slots. The stress distribution in the disk was determined by the approximate method of Galerkin; the stress functions were selected in the form of polynomials with coordinate functions constituting particular solutions of the Laplace equation and the biharmonic equation. The results of the computations are presented in the form of graphs representing the peripheral stresses at different radii of two disks possessing four straight radial slots of zero width and differing from each other in

Card 1/2

The Effect of Internal Radial Slots on Stress Distribution (cont.) SOV/124-58-11-13005

the length of these slots; the concentration of peripheral stresses is not taken into consideration. It should be noted that no expressions for stress functions are shown; consequently, it is not clear how the author satisfies the boundary conditions, as well as conditions prevailing in the zone of junction of the annular areas, by means of appropriate selection of functions. The appearance of compressive peripheral stresses above the radial slots is also incomprehensible.

A. D. Kovalenko

Card 2/2

SMIRNOV, Vasilii Ivanovich; ~~BOZHENKO, V.S.~~ nauchnyy redaktor; SHAURAK,
Ye.N., redaktor; FRUMKIN, P.S., tekhnicheskii redaktor

[Technology of shipbuilding] Tekhnologicheskie bazy v sudostroenii.
Leningrad, Gos.soiuznoe izd-vo sudostroit.promyshl., 1957. 113 p.
(Shipbuilding) (MIRA 10:9)

BOZHENKO, Vladimir Semenovich; SMIRNOV, V.I., nauchnyy red.; ISAYEV, V.A.,
red.; LEVOCHKINA, L.I., tekhn. red.

[Sensitivity and accuracy of balancing machines] Chuvstvitel'nost'
i tochnost' stankov uravnoveshivaniia. Leningrad, Gos. soiuзное
izd-vo sudostroit. promyshl., 1958. 50 p. (MIRA 11:9)
(Balancing of machinery)

NOVNIN, Mikhail Savel'yevich; BOZHNEKO, V.S., nauchnyy red.; LAPIN, V.I.,
red.; LEVOCHKINA, L.I., tekhn. red.

[Theoretical mechanics together with elements of the theory of
mechanisms and machinery] Teoreticheskaya mekhanika s elementami
teorii mekhanizmov i mashin. Leningrad, Gos. soizuznoe izd-vo
sudostroitel. promyshl., 1958, 288 p. (MIRA 11:9)
(Mechanics)

BOZHENKO, V.S.

Vector derivation of formulas on the theory of elasticity showing the relationship between dislocations and deformations.
Trudy LTA no.83:231-236 '59. (MIRA 13:4)
(Elasticity)

GOROKHOVSKIY, Stepan Mefodiyevich; BOZHENKO, V.S., kand. tekhn.
nauk, nauchn. red.; TURANDINA, L.A., red.

[Balancing of ship propellers] Balansirovka grebnykh vintov.
Leningrad, "Sudostroenie," 1964. 142 p. (MIRA 17:5)

BOZHENKO, Ye.F.

Rapid construction of the new production line at a cement plant.
Prom. stroi. 38 no.5:22-25 '60. (MIRA 14:5)

1. Glavnyy inzh.tresta Belgorodpromstroy.
(Belgorod--Cement plants)

KUZNETSOV, N.A., otv.red.; VITKOVSKIY, A.P., red.; BOZHENKO,
Ye.F., red.; GAVRILENKO, I.G., red.; GRINEK, V.S., red.;
IGRUNOV, N.S., red.; KRUPA, G.D., red.; RAZDOBARKIN, V.I.,
red.; RYABOKOBYLENKO, V.I., red.; SEMENOV, M.K., red.;
CHEFRANOV, B.N., red.; FUNSHTEYN, D.A., red.;
PETROPOL'SKAYA, O.A., red.

[Belgorod Boiler-Making Factory] Belgorodskii kotlo-
stroitel'nyi. Voronezh, Tsentral'noe-Chernozemnoe knizh-
noe izd-vo, 1964. 185 p. (MIRA 18:7)

1. Belgorodskiy Gosudarstvennyy kotlostroitel'nyy zavod.
2. Direktor Belgorodskogo Gosudarstvennogo kotlostroitel'-
nogo zavoda (for Chefranov).
3. Nachal'nik byuro tekhnicheskoy informatsii i izobretatel'stva Belgorodskogo Gosudarstvennogo kotlostroitel'nogo zavoda (for Gavrilenko).
4. Glavnyy konstruktor spetsial'nogo konstruktorskogo byuro energeticheskikh kotlov Belgorodskogo Gosudarstvennogo kotlostroitel'nogo zavoda (for Semenov).
5. Zamestitel' glavnogo inzhenera Belgorodskogo Gosudarstvennogo kotlostroitel'nogo zavoda (for Ryabokobylenko).

BULGAKOV, Ye.I.; KRYLOVA, M.I.; BOZHENKOV, A.P.

Economic substantiation of the efficient length of a longwall by
the method of comparing variants. Nauch. trudy KNIUI no.14:439-450
'64. (MIRA 18:4)

I 14735-65 EWT(m)/EWP(w) EN

ACCESSION NR: AP5000107

S/0198/04/010/005/0628/0631

AUTHOR: Voznesenov, A. S. (Kiev)

TITLE: Stability of a square plate of variable thickness compressed in two directions
26 26

SOURCE: Prykladna mekhanika, v. 10, no. 6, 1964, 628-631

TOPIC TAGS: compression strength

ABSTRACT: The stability of a square plate with thickness varying linearly in one direction is considered. The compression is uniformly distributed, and the net-point method is used. All the known solutions are related to a uniaxial compression. Thus, for the cases of uniaxial compression, i.e., when β or γ equals zero, a comparison is made with the solutions of other authors. It is established that compression in the direction of constant thickness (βN) is more favorable for the performance of the plate than compression in the direction of variable thickness (γN). Orig. art. has: 10 equations, 3 diagrams, and 2 tables.

ASSOCIATION: Kyryivs'kyy avtodorozhniy instytut (Kiev Highway Institute)

Card 1/2

L 14735-65

ACCESSION NR: AP5000107

SUBMITTED: 21 Apr 64

SUB CODE: AS, GP

NO REF SOV: 002

0
ENCL: 00

OTHER: 001

Card 2/2

L 16987-66 EWP(k)/EWT(m)/EWP(t)/ETI IJP(c) JH/JD

ACC NR: AT6024910

(A, N)

SOURCE CODE: UR/2981/66/000/004/0026/0031.

AUTHOR: Grushko, O. Ye.; Zal'tsman, I. Ya.; Vinokurov, N. D.; Semenov, A. Ye.;
Zasyarkin, V. A.; Kryukov, M. A.; Yevstyugin, A. P.; Bozhenok, I. V.

ORG: none

TITLE: Process of casting VAD23-alloy ingotsSOURCE: Alyuminiyevyye splavy, no. 4, 1966. Zharonrochnyye i vysokoprochnyye splavy
(Heat resistant and high-strength alloys), 26-31TOPIC TAGS: metal casting, lithium containing alloy, aluminum alloy, copper containing alloy/VAD23 aluminum alloy

ABSTRACT: In elaborating a process for casting ingots from VAD23 alloy by the continuous method, the authors studied the casting properties (tendency to form hot and cold cracks) of this alloy, established the temperature conditions of the casting, and determined the methods of protecting the metal during transit from the mixer to the crystallizer and in the crystallizer. The chemical activity of lithium, which enters into the composition of the alloy, made it necessary to protect the alloy surface during transit. Two methods were tested for this purpose, involving the use of (1) sulfur dioxide and (2) a flux consisting of a eutectic mixture of lithium and potassium chlorides. Only the latter method gave satisfactory results. A temperature of 700-730°C was found to be optimal for casting. The quality of the ingots obtained was thoroughly

Card 1/2

L 46987-66

ACC NR: AT6024910

checked by analyzing the structure of fractures, microstructure, density, liquation, and mechanical properties along the length and cross section of the ingot in the longitudinal and trasverse directions. The elaborated casting process, which includes protection of the metal with a liquid flux on the path from the mixer to the crystallizer, produced good-quality ingots. Orig. art. has: 3 figures and 1 table.

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 002

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Cord 2/2

31

L 46983-66 EWT(m)/EWP(t)/ETI IJP(c) JD/JT
ACC NR: AT6024909 (A, N) SOURCE CODE: UR/2981/66/000/004/0021/0025

AUTHOR: Zal'tsman, I. Ya.; Grushko, O. Ye.; Semenov, A. Ye.; Zasyukin, V. A.;
Vinokurov, N. D.; Kryukov, M. A.; Yevstyugin, A. P.; Bozhenok, I. V.

38
B+1

ORG: none

TITLE: Some aspects of the preparation of VAD23 alloy

SOURCE: Alyuminiyevyye splavy, no. 4, 1966. Zharoprochnyye i vysokoprochnyye splavy (Heat resistant and high-strength alloys), 21-25

TOPIC TAGS: aluminum alloy, copper containing alloy, lithium containing alloy, manganese containing alloy, cadmium containing alloy / VAD23 ALLOY

ABSTRACT: VAD23 alloy belongs to alloys of the Al-Cu-Li system with small admixtures of Mn and Cd. Because of the loss of lithium from the melt during the preparation of this alloy, the introduction of lithium (and cadmium) was carried out under a special flux consisting of a eutectic mixture of lithium and potassium chlorides. This flux was found to prevent the loss of lithium to a considerable extent; however, as the lithium content of the alloy increases, this protection becomes less effective. Particular attention must be paid to the quality of preparation of the flux and to the manner in which lithium is introduced into the melt (without disturbing the flux). The flux has the disadvantage of being hygroscopic because of the LiCl present in its composition; and therefore must be used only in the liquid or freshly-remelted state, the

Card 1/2