

BEZUKLADNIKOVA, N.A.

Lice of rodents in Karaganda Province. Trudy Inst. zool. AN Kazakh.  
SSR 22:207-208 '64. (MIRA 17:12)

GALUZO, I.G., akademik, otv. red.; ZASUKHIN, D.N., red.; KUSOV, V.N.  
red.; VSEVOLODOV, B.P., red.; ERZUKLADNIKOVA, N.A., red.;  
KOVALEVA, I.F., red.

[Toxoplasmosis of animals] Toksoplazmoz zhiivotnykh. Alma-  
Ata, Nauka Kazakh.SSR, 1965. 52 p. (MIRA 18:11)

1. Akademiya nauk Kazakhskoy SSR, Alma-Ata. Institut zoologii.
2. Akademiya nauk Kazakhskoy SSR, Alma-Ata (for Galuzo).

BEZUKLADNIKOVA, N.F.

The relationship between the number of leaves and the number of groups of the sea milkworts in the root of the kok-saghyz

Dok AN SSSR, Vol 80, no 1, 1 Sep 51 109

BEZUKLADNIKOVA, N. F.

USSR/Biology - Plant Morphology

Card : 1/1

Authors : Bezukladnikova, N. F. and Zolotukhina, Yu. S.

Title : Parallelism in certain laws regarding the anatomical structure of sugar beets and kok-saghyz plant

Periodical : Dokl. AN SSSR, 96, Ed. 6, 1245 - 1248, June 1954

Abstract : The parallelism in the anatomical structure of sugar beets and the rubber bearing plant kok-saghyz was investigated. The results are given in tables. Ten references. Tables, diagrams.

Institution : ...

Presented by : Academician A. L. Kursanov, March 6, 1954

BEZUKLADNIKOVA, N. F.

"Cross-Characteristics in the Selection of Kok-Saghyz." Cand Agr Sci,  
Inst of Socialized Agricultural, Acad Sci Belorussian SSR, Minsk, 1955.  
(KL, No 12, Mar 55)

SO: Sum No. 670, 29 Sep 55 - Survey of Scientific and Technical Dis-  
sertations Defended at USSR Higher Educational Institutions (15)

*Bezukladnoy, G.S.*

RYABYKH, L.V.; BEZUKLADNOY, G.S.

Mosquitoes of the genera *Aedes* and *Culex* in the forest shelterbelt zone and open steppe regions of Voronezh Province [with summary in English]. Zool.zhur. 36 no.8:1205-1208 Ag '57. (MLBA 10:9)

1. Kafedra biologii Voronezhskogo gosudarstvennogo meditsinskogo instituta.

(Voronezh Province--Mosquitoes)

BEZUKLADNYY, I.P.

Decrease in the incidence of suppurative diseases at a machinery plant. Trudy Vor. med. inst. 47:104-105'62  
(MIRA 16:12)

1. Kafedra organizatsii zdravookhraneniya Voronezhskogo meditsinskogo instituta.

BEZUKLADOCHNIKOV, D. A.

BOV/144-58-9-18/18

**AUTHOR:** Gikis, A. F., Candidate of Technical Sciences, Docent

**TITLE:** Inter-University Scientific Conference on Electric Measuring Instruments and Technical Means of Automation (Meshvustovakaya nauchnaya konferentsiya po elektromeritel'nykh priboram i tekhnicheskim sredstvam avtomatiki)

**PERIODICAL:** Izvestiya Vysshikh Uchebnykh Zavedeniy, Elektromekhanika, 1958, Nr 9, pp 130-135 (USSR)

**ABSTRACT:** The conference was held at the Leningradskiy elektrotekhnicheskiy institut imeni V. I. Ul'yanova (Lenin) (Leningrad Electro-technical Institute imeni V. I. Ul'yanov (Lenin)) on November 11-15, 1958. The representatives of eleven higher teaching establishments and three research institutes participated and a large number of specialists of various industrial undertakings were present.

Candidate of Technical Sciences P. G. Nikitin and Senior Lecturer D. A. Bezukladochnikov (Ural Polytechnical Institute) read the paper "Measuring the potential of a magnetic field by means of bismuth resistance and Hall Card 10/15 e.m.f. pick-ups"; he described a new method of producing

bismuth spirals by electrolytic deposition of bismuth inside grooves of a base made of insulation material. Senior Lecturer V. A. Esrents (Kazan' Aviation Institute) presented the paper "High sensitivity magnetic gas analysers for oxygen"; the increased sensitivity was achieved by separating the heat sensitive element from the heating element.

Docent P. P. Ornatkiy (Kiyev Polytechnical Institute) presented the paper "Measurement of electrical magnitudes at infra-low frequencies by electric indicating instruments of various systems"; this is of interest since there is a demand for instruments operating at frequencies of 1.5 to 0.5 c.p.s.

Docent R. I. Yurgenson (Leningrad Electrotechnical Institute) presented the paper "Methods of ensuring stability against interference in discrete selection systems" in which he dealt with the principles of ensuring active and passive stability against interference in the transmission of Card 11/15 codes used for transmitting discrete data.



BEZUKLADOV, V. F., CHUVIKOVSKY, C. S., CHUVIKOVSKY, W. S. and SHEVANDIN, E. N.

"Fatigue of Shipbuilding steels and the strength of Ship Structures," a paper presented at International Conference on Fatigue of Metals, London, Sep 56.

DSI. No. 103

~~BEZUKLADOV, V.F.~~ kandidat tekhnicheskikh nauk; CHUVIKOVSKIY, G.S., inzhener;  
CHUVIKOVSKIY, V.S., kandidat tekhnicheskikh nauk; SHEVANDIN, Ye.M.,  
kandidat tekhnicheskikh nauk.

Fatigue of shipbuilding steels and strength of ship structures.  
Sudostroenie 23 no.2:1-8 F '57. (MLRA 10:5)  
(Steel, Structural--Fatigue)  
(Ships, Iron and steel)

BALAYEV, D.N.; BEZUKLADOV, V.F.; DERMVYANKO, Yu.G.; IOFFE, A.F.; ISAKOV, I.S.;  
MATEES, N.V.; MOISEYEV, A.A.; NEGANOV, V.I.; NOVOZHILOV, V.V.;  
PAVLENKO, G.Ye.; PERSHIN, V.I.; POPOV, V.F.; RETIVOV, V.S.

Seventy-fifth birthday of Academician Iulian Aleksandrovich  
Shimanskii. Sudostroenie 24 no.12:66-67 D '58.  
(MIRA 12:2)  
(Shimanskii, Iulian Aleksandrovich, 1883-)

BEZUKLADOV, V.F., inzh; SOKOLOV, D.G., inzh.

New ship to be used for herring fishing. Sudostroenie 25 no.5:1-4  
My '59. (MIRA 12:8)  
(Fishing boat) (Herring)

BEZUKLADOV, V.F., inzh.; ZNAMEROVSKIY, B.P., inzh.

Tuna fishing vessel. Sudostroenie 28 no.3:1-4 Mr '62.  
(MIRA 15:4)  
(Trawls and trawling) (Tuna fish)

BEZUKLADOV, V.F.

For further technological progress in the expansion of reinforced concrete shipbuilding. Sudostroenie 29 no.9:39 S '63.  
(MIRA 16:11)

1. Predsedatel' tekhnicheskogo soveta po zhelezobetonnomu sudostroyaniyu pri Gosudarstvennom Komitete po sudostroyeniyu SSSR.

S/193/63/000/002/002/007  
A004/A101

**AUTHORS:** Bezumenko, V. G., Furmanov, B. V.

**TITLE:** Automating the shot-blasting apparatus of electric-arc pipe welding installations

**PERIODICAL:** Byulleten' tekhniko-ekonomicheskoy informatsii, no. 2, 1963, 6 - 8

**TEXT:** The electric pipe welding shop of the Dnepropetrovskiy truboprokatnyy zavod im. Lenina (Dnepropetrovsk Pipe Rolling Plant im. Lenin) has fitted two pipe rolling mills with devices for blowing the shot from the strip emerging from the shot-blasting chamber and returning the shot into the shot-blasting chamber elevator. Also the switching-off of the compressed air-shot mixture feed into the nozzle has been automated. Thus the shot hitherto remaining on the strip when the latter left the shot-blasting chamber cannot any more impair the tube rolling operation. The authors describe the layout and functioning of the new apparatus and point out that the automation of the shot-blasting installation made it possible to dispense with four attendants and considerably improve the working conditions in this section of the plant. There is 1 figure.

Card 1/1

GUSEVA, N.A.; BEZUMNOVA, F.I.; KUZOVKOVA, O.A.; ROMANENKO, V.V.

Outbreak of leptospirosis among residents of the village of Karalat, in Kamyziatsk District of Astrakhan Province. Zhur. mikrobiol. epid. i immun. 32 no.5:119-121 My '61. (MIRA 14:6)

1. Iz Astrakhanskoy oblastnoy sanitarno-epidemiologicheskoy stantsii, (KARALAT (ASTRAKHAN PROVINCE)—LEPTOSPIROSIS)



BEZUMNOVA, F.I.; GUSEVA, N.A.; KAZEYKINA, A.N.; AKHMEDZYANOVA, M.N.;  
FITONOVA, L.I.

Etiology of leptospirosis in Astrakhan Province. Zhur.mikrobiol.,  
epid. i immun. 42 no.2:45-48 F '65. (MIRA 18:6)

1. Astrakhanskaya oblastnaya sanitarno-epidemiologicheskaya  
stantsiya i Astrakhanskaya oblastnaya veterinarnaya laboratoriya.

1. BEZUMOV, F. A.; PREOBRAZHENSKIY, B. V.

2. USSR 600

4. Reindeer

7. Exploitation of pastures on a collective reindeer farm, Sots. zhiv, 14, No. 12, 1952.

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

BEZUMOV, Konstantin Yakovlevich; FROLOVA, M.F., red.; FEDOROVA, V.Y.,  
tekh.red.

[Resources of the Sea of Okhotsk] Bogatstva Okhotskogo moria.  
Magadan, Magadanskoe knizhnoe izd-vo, 1960.

(MIRA 14:4)

(Okhotsk, Sea of--Marine resources)

BEZUS, A.G.; DREVIN, V.P.; KISELEV, A.V.

Isotherms and heats of adsorption of propane and propylene on graphitized carbon black. Energy of the adsorption forces [with summary in English]. Koll.zhur. 23 no.4:389-398 J1-Ag (MIRA 14:8) '61.

1. Moskovskiy universitet, Khimicheskiy fakul'tet, Laboratoriya adsorbtsii.  
(Propane--Thermal properties) (Propene--Thermal properties)  
(Heat of adsorption)

BEZUS, A.G.; DREVIN, V.P.; KISELEV, A.V.

Energy of adsorption of ethane and ethylene on surfaces of  
varying nature. Part 1. Zhur. fiz. khim. 38 no.1:59-67  
Ja'64. (MIRA 17:2)

1. Moskovskiy gosudarstvennyy universitet, khimicheskiy fakul'tet.

RODAS, A.G.; BRYNIG, V.P.; KISILEV, A.V. (Moscow)

isotherms and heats of adsorption of methane on graphitized  
carbon black. Zhur. fiz. khim. 38 no.12:2924-2930 p.164.  
(MIRA 18:2)

1. Khimicheskii fakul'tet Moskovskogo gosudarstvennogo uni-  
versiteta imeni M.V. Lomonosova.

BEZUS, A.G.; DREVIN, V.P.; KISELEV, A.V. (Moscow)

Adsorption energy of ethane and ethylene on surfaces of  
varying nature. Part 2. Zhur. fiz. khim. 38 no.4:947-  
954 Ap '64. (MIRA 17:6)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova,  
Khimicheskiy fakul'tet.

ACC NR: AP7007078

SOURCE CODE: UR/0048/66/030/010/1662/1665

AUTHOR: Bezus, V. A.; Gedevanishvili, L. D.; Kazarov, R. Ye.; Kirillov-Ugryumov, V. G.; Kotov, Yu. D.; Kuridze, R. V.; Rozental', I. L.; Sakvarelidze, I. I.

ORG: Institute of Physics, AN GruzSSR (Institut fiziki AN GruzSSR); Moscow Engineering Physics Institute (Moskovskiy inzhenerno-fizicheskiy institut); Tbilisi State University (Tbilisskiy gosudarstvennyy universitet)

TITLE: Study of high-energy muons at a complex installation [Paper presented at the All-Union Conference on Cosmic Radiation Physics, Moscow, 15-20 Nov 1965/

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 30, no. 10, 1966, 1662-1665

TOPIC TAGS: muon, cosmic radiation, calorimeter

SUB CODE: 20

ABSTRACT: A study of high-energy cosmic radiation muons was carried out at an installation consisting of an ionization calorimeter located in a tunnel at a depth of 130 m from the surface and five groups of hodoscopic counters on the surface which recorded showers accompanying the muons. The experimentally determined ionization burst spectrum of the muons could be described by the equation  $T(>k) = T_0 k^{-\gamma}$ , where k is the magnitude of the burst expressed in an equivalent number of relativistic particles.  $\gamma$  was 2.0 at k = 1000-4000, which corresponded to  $\gamma = 2.5$  for the vertical flux of muons. The principal contribution to the bursts recorded was made by muons with a energy of  $3 \times 10^{11}$



ACC NR: AP7007078

$\sim 2 \times 10^{12}$  ev. At a projection angle  $\leq 70^\circ$ , at which no more than two adjacent ionization chambers in the six vertically arranged rows in the ionization calorimeter operated,  $\gamma$  was 2.2. During 765 hours of operations, corresponding to 1100 recorded bursts, the latter were accompanied by broad showers

( $N_e = 5 \times 10^4 - 5 \times 10^5$ ) in nine cases. From a statistical standpoint, this result was insufficient for definite conclusions with regard to the correlation between muons and showers. The authors thank E. L. Andronikashvili and G. Ye. Chikovani for their interest and discussions, which greatly helped in the research. Orig. art. has: 4 figures and 1 formula. [JPRS: 39,658]

BEZUS, YE. V.

82509

5.4600(A)

S/070/60/005/004/009/012

24.7800

AUTHORS:

Venevtsev, Yu.N., Zhdanov, G.S., Solov'yev, S.P.,  
Bezus, Ye.V., Ivanova, V.V., Fedulov, S.A. and  
~~Kapyshev, A.G.~~

TITLE: Crystal Chemical Investigations of Substances with  
the Perovskite Type of Structure Which Has Special  
Dielectric Properties

PERIODICAL: Kristallografiya, 1960, Vol. 5, No. 4,  
pp 620 .. 626

TEXT: In  $BaTiO_3$  the dielectrically-active ion is the Ti but  
in  $PbTiO_3$  it is the Pb ion. The  $(Pb.Ba)TiO_3$  system may, there-  
fore, be expected to show peculiarities where these two effects  
interact. The variation in structure, dielectric and piezo-  
electric properties is not continuous from one end-member to  
the other. Experimentally, solid solutions with 7, 9, 11, 14  
and 24 wt. %  $PbTiO_3$  showed anomalies not explicable as due to  
loss of  $PbO$ .  $NaNbO_3$  undergoes several phase transitions in a  
short temperature interval. Dielectric and optical observations  
give transitions at 360, 470, 520 and 640 °C. X-ray data contra-  
dict all but the first of these. Polycrystalline material was  
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S/070/60/005/004/009/012  
E132/E360

## Crystal Chemical Investigations of Substances with the Perovskite Type of Structure Which Has Special Dielectric Properties

studied by X-ray methods up to 700 °C and transitions at 360, 430, 470, 520 and 640 °C were found. Below 360 °C  $\text{NaNbO}_3$  is monoclinic with  $a \neq c \neq b$  and  $\beta > 90^\circ\text{C}$ . Above 360 °C it is monoclinic with  $a = c \neq b$  and  $\beta > 90^\circ\text{C}$  (true symmetry orthorhombic). The transition from orthorhombic to tetragonal is not at 360 but at 430 °C. The X-ray method is no less sensitive than the optical and dielectric methods. From an examination of solid solutions  $\text{BaTiO}_3 \cdot (\text{Ca}, \text{Sr})(\text{Zr}, \text{Sn})\text{O}_3$ ,

it is concluded that, other things being equal, the Curie temperature of perovskite-type ferroelectrics is higher, the smaller is the period of the lattice and the higher is the polarisability of the active cation.

$\text{BiTiO}_3$  with added  $\text{Bi}_2\text{O}_3 \cdot \text{Cr}_2\text{O}_3$  and  $\text{Bi}_2\text{O}_3 \cdot \text{Al}_2\text{O}_3$  has been synthesised and specimens showed properties like those found in  $\text{BaTiO}_3$  containing  $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ .

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S/070/60/005/004/009/012

Crystal Chemical Investigations of <sup>E152/E360</sup>Substances with the Perovskite Type of Structure Which Has Special Dielectric Properties

$\text{BiFeO}_3$  and specimens in the system  $\text{PbTiO}_3$ - $\text{BiFeO}_3$  have been synthesised. The former has a rhombohedral distortion ( $a = 3.963 \text{ \AA}$ ,  $\alpha = 89^\circ 24'$ ) and a susceptibility about 80. At  $200^\circ \text{C}$  the susceptibility has a maximum of about 1200. In the solid solution up to 70% by wt. of  $\text{BiFeO}_3$  there is also a tetragonal modification. The Curie point of  $\text{BiFeO}_3$  appears to be higher than that of  $\text{PbTiO}_3$ . 4

General methods for calculating the internal field have been developed for structures of any dipole configurations. These have been applied to the orthorhombic structure of  $\text{CaTiO}_3$ .

Here, the internal electric field is zero at the Ti sites. There are 29 references: 2 Japanese (in English), 8 English, 2 international, 1 Swiss, 1 German and 15 Soviet.

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S/070/60/005/004/009/012

E132/E360

Crystal Chemical Investigations of Substances with the Perovskite Type of Structure Which Has Special Dielectric Properties

ASSOCIATION: Fiziko-khimicheskiy institut  
im. L. Ya. Karpova  
(Physico-Chemical Institute imeni  
L.Ya. Karpov) ✓

SUBMITTED: February 23, 1960

Card 4/4

VENEVTSEV, Yu.N.; ZHDANOV, G.S.; SOLOV'YEV, S.P.; BEZUS, Ye.V.; IVANOVA, V.V.;  
FEDULOV, S.A.; KAPYSHEV, A.G.

Crystallochemical studies of substances with a perovskite-type structure  
possessing special dielectric properties. Kristallografiia 5 no.4:  
620-626 J1-Ag '60. (MIRA 13:9)

1. Fiziko-khimicheskiy institut im. L. Ya. Karpova.  
(Barium titanate) (Lead titanate)

SAULOVA, L.V.; BEREZOVSKIY, M.A.; BEZUSYAK, Yu.L.; SAS, T.P.

Experimental radio system for remote control of bridge cranes.  
Avtom. i prib. no. 4:13-17 O-D '62. (MIRA 16:1)

1. Institut avtomatiki Gosplana UkrSSR.  
(Cranes, derricks, etc.) (Remote control)

BEZUSYAK, Yu.L.; SAULOVA, L.V.

Influence of certain factors on the degree of squeezing out of  
alkali cellulose. Khim.volok. no.1:60-63 '63. (MIRA 16:2)

1. Kiyevskiy institut avtomatiki Gosplana UkrSSR.  
(Cellulose) (Mercerization)



SAULOVA, L.V.; BEZUSYAK, Yu.L.

Automatic control system for the mercerization process developed  
by the Curtoids Company. Khim. prom. [Ukr.] no.1s87-89 Ja-Mr 163  
(MIRA 1787)

1. Institut avtomatiki Gosplana UkrSSR.

BEZVERKHA, T.P.

Effect of planned work lessons on the functional state of the cardiovascular system of students in a boarding school. Ped., akush. i gin. 23 no.6:23-25 '61. (MIRA 15:4)

1. L'vovskiy nauchno-issledovatel'skiy institut okhrany materinstva i detstva (direktor - kand.med.nauk L.Ya.Davidov [Davydov, L.IA.], nauchnyy, rukovoditel' - dotsent I.M.Rudnev [Rudniev, I.M.]).  
(CARDIOVASCULAR SYSTEM) (CHILDREN--EMPLOYMENT)

ZOLOTNITSKIY, M.Yu.; BEZVEREHAYA, E.; MARGOLINA, S.; SIDORENKO, L.

Practical summer work of medical school students. Fel'd. i akush.  
24 no.7:59-60 J1 '59. (MIRA 12:10)

(MEDICINE--STUDY AND TEACHING)

BEZVERKHAYA, T.P.

Hardening of children with cold water in the boarding school.  
Vop. okh. mat. i det. S no.7:86 J1 '63.

(MIRA 17:2)

1. Iz shkol'nogo otdela L'vovskogo nauchno-issledovatel'skogo  
instituta okhrany materinstva i detstva.

BEZVERKHAYA, Ye.N.

Arrangement for the rotation and deceleration of ball mills.  
Ogneupory 28 no.1:45-46 '63. (MIRA 16:1)

1. Krasnogorovskiy ogneupornyy zavod im. Lenina.  
(Crushing machinery)

BEZVERKHAYA, Ye.N.

Manufacture of tuyeres for converters. Ogneupory 29 no.1:34-35  
'64. (MIRA 17:3)

1. Krasnogorovskiy ogneupornyy zavod im. Lenina.

BEZVERKHAYA, Ye.N.

Making Bessemer furnace tuyeres. Met. i gornorud. prom.  
no.3:77-78 My-Je '65. (MIRA 18:11)

YEREMENKO, V.V., kand. tekhn. nauk, ~~BEZVERKHIY~~, A.A., inzh.;  
GAPONENKO, P.S., inzh.; SHEKHOVTSEV, Yu.G., inzh.

First Siberian plant for the production of agloporites in a  
brick factory. Stroi. mat. 9 no.6:22-24 Je '63.  
(MIRA 17:8)



KOTOV, I.T., gornyy inzh.; BEZVERKHIY, A.A., gornyy inzh.; BERDICHEVSKIY,  
L.I.

Increasing the operative efficiency of vacuum filters in the  
coal preparation branch of the Yenakiyevo Coke and Chemical  
Plant. Ugol' Ukr. 6 no.9:15-17 S '62. (MIRA 15:9)

1. UkrNIIUgleobogashcheniye (for Kotov, Beavverkiy).
2. Yenakiyevskiy koksokhimicheskiy zavod (for Berdichevskiy).  
(Yenakiyevo--Coal preparation plants--Equipment and supplies)  
(Filters and filtration)

YEREMENKO, V.V., kand. tekhn. nauk; VRUBLEVSKIY, L.Ye., inzh.  
BEZVERKHIIY, A.A., inzh.

Overall use of clay shale from West Siberia for the  
production of porous aggregates. Stroi. mat. 9 no.8:  
10-12 Ag'63. (MIRA 17:5)

BEZVERKHIIY, D.V., kandidat meditsinskikh nauk

Treatment of acute thrombophlebitis of lower extremities by phoresis  
of penicillin. Vrach.delo no.2:191-192 F '56. (MLRA 9:?)

1. Klinika gospiatal'noy khirurgii (zaveduyushchiy professor L.N.  
Kusmenko) L'vovskogo meditsinskogo insituta  
(VEINS--DISEASES) (PENICILLIN) (CATAPHORESIS)

BEZVERKHIY, D.V., kandidat meditsinskikh nauk

Case of thrombophlebitis caused by "strain." Vrach.delo no.7:749  
(MLRA 10:8)  
Jl '57.

1. Klinika gospiatal'noy khirurgii (zav. - prof. L.N.Kuzmenko)  
L'vovskogo meditsinskogo instituta  
(THROMBOSIS) (PHLEBITIS)

Bezverkhii, G.S.

KHRISTOV, L.N.; BEZVERKHIY, G.S.; SHULYAPIN, I.Ya.

Apparatus for cultivation of tissues in rotating test tubes. Vop.  
virus. 1 no.3:56-58 My-Je '56. (MLRA 10:1)  
(TISSUE CULTURE, apparatus and instruments,  
appar. for cultivation of tissues in rotating test  
tubes (Rus))

S/123/61/000/004/014/027  
A004/A104

AUTHORS: Bezverkhny, P. A., and Khakhalin, B. D.

TITLE: Analysis of the thermal condition of water-cooled metallic molds of centrifugal pipe casting machines

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 4, 1961, 19, abstract 4G146. ("Tr. Ukr. n.-i. trubn. in-ta", 1959, no. 1, 201-217)

TEXT: Based on the successive investigation of the heat transfer conditions from the casting to the mold (metallic mold uniformly water-cooled from the outside) and from the mold to the water, the author derives calculation formulae for the approximate determination of the mold temperature, their variation with time and with the duration of the cycle. Methods of a more accurate analysis are indicated which lead to the calculation of the alternating thickness of mold walls for the balancing of the thermal condition of mold and casting over their length. It is pointed out that the obtained formula and given recommendations can be utilized for an improvement of the technology of centrifugal pipe casting and the design of new machines. There are 9 figures and 3 references. S. Zhukovskiy

[Abstractor's note: Complete translation]

Card 1/1

KHAKHALIN, B.D., kand.tekhn.nauk; BEZVERKHIY, P.A., kand.tekhn.nauk;  
TREGUBOV, A.V., inzh.

Parameters of liquid cast-iron feed in grooves for centrifugal pipe  
casting. Biul.nauch.-tekh.inform.VNITI no.4/5:113-125 '58.

(MIRA 15:1)

(Pipe, Cast iron) (Founding)

BEZVERKHIY, P.A., kand.tekhn.nauk; KADINOVA, A.S., inzh.; TAYTS, N.Yu.,  
doktor tekhn.nauk

Investigation of roller hearth furnaces for the normalization of  
electrically welded pipe. Stal' 21 no.12:1122-1124 D '61.  
(MIRA 14:12)

1. Ukrainskiy nauchno-issledovatel'skiy trubnyy institut.  
(Furnaces, Heat-treating)



BEZVERKHIIY, P.A., kand.tekhn.nauk; KHEIFETS, G.N., kand.tekhn.nauk,  
TOV, V.B., inzh.

Short-flame fuel oil combustion. Metallurg 5 no.7:31-34 JI '60.  
(MIRA 13:7)

1. Ukrainskiy nauchno-issledovatel'skiy trubnyy institut.  
(Oil burners)

BEZVERKHIIY, I.A., kand. tekhn. nauk; KLEMYUKH, I.A., inzh.

Operation of an injection mixer with the injecting medium under  
increased pressure. Proizv. trub no.10:81-85 '63. (IRA 17:10)

BEZVERKHIY, V.

On a new state farm. Prof.-tekh.obr. 12 no.4:32 Ap '55. (MLRA 8:7)  
(Akmolinsk Province--State farms)

BEZVERKHIY, V.D. (g.Cherkassy).

Experiments with fluids in motion. *Fiz. v shkole* 16 no.5:54-57  
S-O '56. (MLRA 9:11)  
(Fluid dynamics--Experiments)

BEZVERKHIY, V.D. [Bezverkhyi, V.D.]

New focusing X-ray tube design with cathode replacement under vacuum.  
Ukr. fiz. zhur. 4 no.2:254-259 Mr-Apr '59. (MIRA 13:1)

1.Dnepropetrovskiy gornyy institut.  
(X rays--Equipment and supplies)

BEZVREKHIIY, V.D.

Surgical treatment of paronychia with a closed suture of the wound.  
Nov.khir.arkh. no.6:117 N-D '59. (MIRA 13:4)

1. Kulikovskaya uchastkovaya bol'nitsa, Nesterovskogo rayona,  
L'vovskoy oblasti. Adres avtora: Kulikov, L'vovskoy obl., Uchast-  
kovaya bol'nitsa.

(FELON (DISEASE))

DUDKO, N.Ye., prof.; BEZVERKHIY, V.D.

Frequency of thromboembolic complications according to data from  
pathoanatomical autopsies. Sov.med. 26 no.12:3-8 D '62.

(MIRA 16:2)

1. Iz kliniki hospital'noy khirurgii (zav. - zasluzhenny  
deyatel' nauki prof. N.Ye. Dudko) Kiyevskogo meditsinskogo  
instituta i prosektruy Bol'nitsy imeni Otktyabr'skoy revolyutsii  
(zav.- prof. Ye.I. Chayka), Kiyev.  
(EMBOLISM)

BEZVERKHIY, V.I.

Carnivorous frog. Priroda 51 [i.e. 52] no.5:116 '63.  
(MIRA 16:6)

1. Meditsinsky institut, Vinnitsa.  
(Frogs)



BEZVERKHNIY, M.P.; LITVINOV, V.L.

Sivachukan and Arkiya graphite deposits (eastern Transbaikalia).

Mat. po geol. i pol. iskop. Chit. obl. no.1:108-115 '63.

(MIRA 17:6)

USSR/Geophysics - Atmosphere's Trans- May/Jun 52  
parency to Ultraviolet

"Electrophotometric Investigations of the Atmosphere's Transparency to the Ultraviolet Region of the Spectrum," Sh. A. Bezverkhniy, A. I. Oshero-  
vich, S. F. Rodionov, Geophys Inst, Acad Sci USSR,  
and Leningrad State U imeni A. A. Zhdanov

"Iz Ak Nauk SSSR, Ser Geofiz" No 3, pp 93-102

Presents spectrophotometric methods for investi-  
gating the Sun's radiation in the ultraviolet por-  
tion of the spectrum, which are based on the appli-  
cation of the modern electrophotometric app. As a  
result of the investigations the authors det the  
224774

values of the mean thickness of the ozone layer in  
the Earth's atm. They also studied the phenomenon  
of anomalous atm transparency, which permits one  
to observe the const layer of aerosols. Sub-  
mitted 13 Dec 51.

BEZVERKHNIY, SH. A.

224774

BEZVERKHNIY, Sh.A. [reviewer]; PROKOF'YEVA, I.A. [author].

Monograph on "Atmospheric ozone" by I.A.Prokof'ev. Reviewed by  
Sh.A.Bezverkhni. Vest. AN Kazakh. SSR 10 no.11:130-132 N '53.  
(MLRA 6:12)  
(Ozone) (Prokof'ev, I.A.)

BEZVERKHNIY, Sh.A.

Some characteristics of ultraviolet transmission in the atmosphere.  
Trudy KazNIGMI no.2:23-31 '54. (MLRA 9:11)  
(Ultraviolet rays) (Atmosphere)

BEZVERKHNIY, Sh.A.

Ozonometric data for Alma-Ata in comparison with certain meteorological factors. Trudy KazNIGMI no.5:89-100 '55. (MLRA 9:10)  
(Alma-Ata--Ozone)

ВЕЗВЕК-КХНИЙ, 20-11

551.510.41 : 539.34  
537 ELECTROPHOTOMETRIC STUDIES OF THE AEROSOL  
FILTRATION OF OZONE DURING SOLAR ECLIPSES IN  
ARY, 1951 AND 30 JUNE, 1954. S.M.A. Bozyskova.

A.I. Chernetsov and S.F. Rodionov.  
Dokl. Akad. Nauk SSSR, Vol. 169, No. 4, 651 (1966). In  
Russian.

Measurements of solar radiation in five  
spectrum (with transmission band maxima at 3300  
3600 and 3900A) were carried out by means of  
photometers with Sb-Cs cells and photomultiplier.  
Increase of the proportion of ozone was detected during the  
stage of complete eclipse. This is consistent with the  
of the  $Q_1/Q_2$  ratio (amount of the ozone-generating and  
decomposing radiation respectively), calculated on the basis  
of Chapman's theory and Wolf and Deuring's equation.

F. Luchman

4/10

JK

Sci. Res. Inst., Leningrad State U.-in Zhetysay and Kazakh Sci. Res. Inst. Hydrometeorology.

BEZVERKHNIY, Sh. A., Cand Phys-Math Sci -- (diss) "Electrophotometric Studies of the Dynamics of Atmospheric Ozone." Alma-Ata, 1957. 10 pp (Kazakh State Univ im S. M. Kirov), 125 copies (KL, 49-57, 110)

- 2 -

BEZVERKHNIY, Sh.A.; BROYTMAN, P.M.

First results of ozonometric observations during the International  
Geophysical Year. Vest. AN Kazakh. SSR 14 no.8:27-31 Ag '58.  
(Ozone) (MIRA 11:10)



UTIMAGANBETOV, M.M., kand.geogr.nauk; BERLYAND, T.G., kand.geogr.nauk;  
 BEZVERKHNIY, Sh.A., kand.fiz.-matem.nauk; BAYDAL, M.Kh., kand.  
 geogr.nauk; KUZNETSOV, A.T., kand.geogr.nauk; CHUBUKOV, L.A.,  
 doktor geogr.nauk; SHVYREVA, Yu.G., mladshiy nauchnyy sotrudnik;  
 UTESHEV, A.S., kand.geogr.nauk; GOL'TSBERG, I.A., doktor geogr.  
 nauk; KLYKOVA, Z.D., starshiy nauchnyy sotrudnik; MEN'SHIKOVA,  
 Ye.A., mladshiy nauchnyy sotrudnik; GEL'MGOL'TS, N.F., starshiy  
 nauchnyy sotrudnik; PROKHOROV, I.I., starshiy nauchnyy sotrudnik;  
 TKACHENKO, N.S., mladshiy nauchnyy sotrudnik; ZHDANOVA, L.P.,  
 red.; BRAYNINA, M.I., tekhn.red.

[Climate of Kazakhstan] Klimat Kazakhstana. Pod red. A.S.Utesheva. Leningrad, Gidrometeor.izd-vo, 1959. 366 p.  
 (MIRA 13:5)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye gidrometeorologicheskoy sluzhby. 2. Kazakhskiy pedagogicheskiy institut (KazPI) (for Utimagambetov). 3. Glavnaya geofizicheskaya observatoriya im. A.I.Voyeykova (GGO) (for Berlyand, Gol'tsberg). 4. Kazakhskiy nauchno-issledovatel'skiy gidrometeorologicheskiy institut KazNIGMI (for Bezverkhniy, Baydal, Kuznetsov, Uteshev, Klykova, Men'shikova, Gel'mgol'ts, Prokhorov, Tkachenko). 5. Institut geografii Akademii nauk SSSR (IG AN SSSR) for Shvyreva).  
 (Kazakhstan--Climate)

BEZVERKHNIY, Sh.A.

The ecliptic effect in the ozone layer. Trudy KazHIGMI no.11:162-175  
'59. (MIRA 13:6)

(Ozone)

(Eclipses, Solar)

ACC NR: AP0013515

UR/0120/66/000/ 2/0134/0137

AUTHOR: Rezverkhniy, Sh.A.; Rogdanova, L.P.; Branson, M.A.

ORG: None

TITLE: Standard source of "negative" infrared radiation

SOURCE: Pribory i tekhnika eksperimenta, no. 2, 1966, 134-137

TOPIC TAGS: infrared equipment, infrared radiation standard, black body radiation,  
IR radiation, IR source

ABSTRACT: This paper describes a standard absolutely black body source of infrared radiation. Its total emissivity,  $\epsilon$ , is between .99 and 1.00 and its temperature can be controlled between - 20 and + 40°C by thermoelectric means. Thus it can either emit or absorb radiation and can be considered to be a "negative" radiation source. The instrument is stable and has low overall dimensions. The approach of emissivity to unity was effected by efficient cavity design, in form of a hollow cone frustrum with a small rectangular opening at the smaller top base, and a serrated inside bottom floor. A four-thermistor circuit senses the base temperature. The thermoelectric battery works either as a heater or a cooler, uses 24 watts. At present the temperature is adjusted manually with a precision of .5°C; further development is planned, to add precise temperature regulation. Original art. has 3 figures and 1 formula.

SUB CODE: 20/  
Card 1/1

SUBM DATE: 03Mar65 /

ORIG. REF: 002 /

OTH REF: 001

UDC: 621.317.794

BEZVERKHNYAYA, R. Ts. and GEL'MGOL'TS, N. F.

"Practical Determination of the Coefficient of Turbulence in a Free Atmosphere".  
Trudy Kazakhsk. n.-i. gidromet. in-ta, No 2, pp 40-44, 1954.

A method of practical application of the formulas of D. L. Laykhtman (Trudy Gl. geofiz. observ., No 37, 1952) for the determination of the coefficient of turbulence from pilot-balloon data is proposed. The fourth formula of Laykhtman involves the coefficient of turbulence, Coriolis parameter, geostrophic wind, wind components at a certain altitude, etc. Application of the method under consideration gives good results in the determination of the mean values of the coefficient of turbulence from the averaged monthly or seasonal data on wind distribution. (RZhGeol, No 10, 1955)

SO: Sum No 884, 9 Apr 1956

BZVERKHNYAYA, R.Ts.

Determining the daily maximum temperature of the air from data  
obtained by morning sounding balloons. Vest.AN Kazakh.SSR 11  
no.7:104-107 JI '54. (MLRA 7:11)  
(Atmospheric temperature) (Radiosondes)

БЕЗВЕРКХНЫЯЯ, Р. Т.

"Synoptic Conditions of Atmospheric Aridity in Western Kazakhstan," by R. Ts. Bezverkhnyaya, Tr. Kazakhk. n.-i. gidromet. in-ta, No 5, 1955, pp 77-88. (from Referativnyy Zhurnal-Geofizika, No 1, Jan 57, Abstract No 323)

"Aridity in western Kazakhstan is connected with anticyclonic weather (the recurrence of anticyclones and ridges comprise 80% of the total number of cases). Anticyclones originating in the Azores predominate, but anticyclones of Arctic origin are frequently encountered. The basic mass of ridges which are responsible for aridity, are stretched out in a southwest and west direction. The most intensive periods of aridity are conditioned by the proximity of the studied region to the southwestern, southern, and western periphery of the anticyclone or the ridges; western Kazakhstan usually is within the western or southwestern sector of the anticyclone. The air masses, bringing in the aridity, are mainly of northern or northwestern origin; their path is over the continent, and the slower they are moved, the more they are heated and dried, and consequently the more intensive is the aridity caused by them. This process involves air masses over vast territories of the continent, which are dried and heated in a considerable layer, not only near the earth. As they approach western Kazakhstan, they contain an arid mass which encompasses a considerable layer of the troposphere (3-5-km), and are maintained rather stably. An approximate typification of the arid periods is developed in accordance with 3 factors: the intensity, the character of the peak distribution, and the time cycle of the aridity." (U)

SUM IN 1951

BEZVERKHOV, A.

Scientists help collective farms. NTO 5 no.11:31-32 N '63.  
(MIRA 16:12)

1 Predsedatel' soveta Nauchno-tekhnicheskogo obshchestva Uzbekskogo  
nauchno-issledovatel'skogo instituta zhivotnovodstva.

ACC NR: AT7003835

SOURCE CODE: UR/3169/66/000/018/0058/0063

AUTHOR: Krasnoshchek, A. Ya.; Bezverkhov, B. D.; Bogayevskiy, L. G.

ORG: Dnepropetrovsk Geophysical Expedition (Dnepropetrovskaya geofizicheskaya ekspeditsiya)

TITLE: Tectonic structure of the northwestern Black Sea

SOURCE: AN UkrSSR. Geofizicheskii sbornik, no. 18, 1966. Geofizicheskiye issledovaniya stroyeniya zemnoy kory (Geophysical investigations of the structure of the earth's crust), 58-63

TOPIC TAGS: geophysic expedition, tectonics, geologic exploration, prospecting

ABSTRACT: This article presents the results of a geophysical investigation of the tectonic structure of the northwestern area of the Black Sea. The investigation was undertaken in connection with the importance of the area with regard to the formation of gas and petroleum deposits. The opinions expressed concerning the tectonic structure of this area of the Black Sea will help to elicit the prospects of the presence of gas and petroleum within the Black Sea depression and to select the future direction of research operations. Orig. art. has: 3 figures.

SUB CODE: 08/ SUBM DATE: 10Mar65/ ORIG REF: 008

Card 1/1



GARKALENKO, I.A.; BOGAYEVSKIY, L.B.; BEZVERKHOV, B.D.

Some data on the geology of the northwestern part of the Black  
Sea. Geofiz. sbor. no.8:44-48 '64. (MIRA 18:6)

1. Dnepropetrovskaya geofizicheskaya ekspeditsiya tresta  
"Ukrgeofizrazvedka".

BEZVERKHOV, N.; BORISOV, S.

Our experience in training students for practical work in railway transportation. Politekh.obuch. no.12:81-82 D '59.  
(MIRA 13:5)

1. Zheleznodorozhnaya srednyaya shkola No.67, stantsiya Kazatin.  
(Railroads---Employees---Education and training)

BEZVERKHOV, Ye.F.

Joining the "Transportnyi" tunnel. Gor. zhur. no.4:75 Ap '61.  
(MIRA 14:4)

1. Naugarzanskoye shakhtostroitel'noye upravleniye, g. Angren  
Uzbekskoy SSR.

(Kurama Range--Tunneling)

(Mine surveying)

BEZ KEROVA, S.T.

053K

✓ The reaction capacity of hydrogen which is sorbed by a skeleton nickel catalyst. D. V. Sokol'skii and S. T. Bezverkhina. *Doklady Akad. Nauk S.S.S.R.* 14, 393-6 (1957). The kinetics were studied for the hydrogenation of dimethylacetylenecarbinol (I),  $\alpha$ -nitrophenol (II), and acetylene (III) by H<sub>2</sub> absorbed and adsorbed by a skeleton Ni catalyst. The change in the H content, on the surface of the catalyst was acid. by measuring the potential of the catalyst with respect to a reversible H electrode. The hydrogenations were carried on in alk. (0.1N NaOH), aq., and alc. (95% EtOH) solns. at temps. of 20, 40, and 60°. In each expt. 3.1 g. of catalyst was used in the form of a suspension. The hydrogenation of I and II takes place with the adsorbed H but in the case of III the curves of the change in H content, and in the potential with time shows that the adsorbed H also takes part in the reaction. The removal of H from the surface changes the potential but the removal of the adsorbed H takes place at a const. value of the potential. From the exptl. curves the relative rates of adsorbed and adsorbed H was calcd.: in alk. soln.  $H_{ads}/H_{abs} \approx 3$ ; in H<sub>2</sub>  $\approx 3$ , in EtOH  $\approx 2$ . The amt. of H removed from the catalyst depends on the structure of the mol. being hydrogenated. III, because of its small dimensions and high degree of unsat., removes all of the adsorbed H and the adsorbed H.

J. Rovtar Leach

*Bezverkhova, S. T.*

AUTHORS Sokol'skiy, D. V., Member of the Academy of Sciences of the Kazakh SSR, and Bezverkhova, S. T. 20-3-37/59

TITLE The catalytic activity of skeleton nickel as dependent on the conditions of hydrogen activation. (Zavisimost' kataliticheskoy aktivnosti skeletnogo nikelya ot usloviy aktivatsii vodoroda).

PERIODICAL Doklady Akademii Nauk, 1957, Vol. 115, Nr 3, pp. 554 - 556 (USSR.).

ABSTRACT The catalytic properties of skeleton nickel result from the presence of adsorbed Hydrogen. A change in its amount leads to a change in the activity of the contact. The subject of this paper is to study the influence of a preceding dehydration of the catalysator on the hydration velocity of dimethylethymylcarbinol in various media (NaOH, water, ethanol) at 20, 40 and 60°C. The experimental results from the aforesaid hydration are given in table 1 and fig. 1. From these, it can be seen, that, according to the medium and the temperature, a preceding partial or total removal of the adsorbed hydrogen from the surface of the catalysator has a varying influence on the catalytic activity of nickel. In the case of hydration in alkaline media at low temperatures the velocity was most highly impaired because of the dehydration. Skeleton nickel is in water less sensitive to the removal of hydrogen. No influence at all can be remarked in alcohol. These results can be explained by different activation velocities of hydrogen at the dehydrated **catalyzer**, which are dependent on the medium

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20-3-37/59

The catalytic activity of skeleton nickel as dependent on the conditions of hydrogen activation.

and the temperature. In alkaline media the regeneration of hydrogen takes place very slowly and under difficult conditions, because the hydrogen is closely connected to the surface. Thereby the reaction velocity is reduced by 63 / , disregarding the total absorption of the lost hydrogen at the saturation of the catalysator from the gaseous phase. If the medium is represented by water, the activation of the hydrogen takes place much faster and easier. From this results the negligible influence of the dehydration on the velocity. In alcoholic media, where the amount of hydrogen bound to the surface of the catalysator is insignificant, the easy regeneration of the activated hydrogen ensures a stable operating condition of the skeleton nickel. Because an increase of the temperature in the experiment has a favourable influence on the activation, the dehydration at 40 and 60°C does not reduce the reaction velocity to a considerable extent. (There are 2 Slavic references, 1 table and 1 figure).

ASSOCIATION Kazakh State University im. "S.M.Kirov", Alma-Ata. (Kazakhskiy gosudarstvennyy universitet im.S.M.Kirova, Alma-Ata).

SUBMITTED February 18, 1957.

AVAILABLE Library of Congress.

Card 2/2

BEZVERKHOVA, S.T.; SOKOL'SKIY, D.V.

Reduction of oxygen by skeleton nickel catalyts. Izv.AN Kazakh.  
SSR.Ser.khim. no.2:51-55 '59. (MIRA 12:8)

1. Kafedra khimii Kazakhskogo sel'skokhozyaystvennogo instituta  
i kafedra kataliza Kazakhskogo gosudarstvennogo universiteta.  
(Oxygen) (Reduction, Chemical) (Catalysts, Nickel)

5 (3)

AUTHORS: Bezverkhova, S. T.; Sokol'skiy, D. V., SOV/20-126-4-24/62  
Academician AS KazSSR

TITLE: The Hydrogenation of Furyl Alcohol on a Skeleton Nickel  
Catalyst (Gidrirovaniye furilovogo spirta na skeletnom  
nikelevom katalizatore)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 126, Nr 4,  
pp 777-779 (USSR)

ABSTRACT: The catalytic reduction of furan compounds (Ref 1) was frequently  
studied (Refs 2-5) because of their great practical value. In  
the present paper, the process mentioned in the title was  
studied from a kinetic and potentiometric point of view (Ref 9),  
in its dependence upon the temperature (8, 20, 40 and 60°) and upon  
the solvent (0.1n NaOH, water, ethanol 96%). In the experiments  
carried out by the authors, furyl alcohol is hydrogenated to  
tetrahydrofuryl alcohol, by absorbing 2 mol of hydrogen: the  
reaction rate is proportional to the amount of catalysts and in  
its first part does not depend upon the weighed amount of sub-  
stances. Figure 1 and table 1 show the results of the reduction  
of 0.15 ml of furyl alcohol on 0.31 g skeleton nickel at  
different temperatures. The hydrogenation is quickest in

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The Hydrogenation of Furyl Alcohol on a Skeleton  
Nickel Catalyst

SOV/20-126-4-24/62

ethanol, in hydrous mediums hydrogen is absorbed more slowly, in alkali the reaction is slowest. An increase of the temperature accelerates the reaction. In the course of the process, the catalyst potential as well as the rate depend upon the medium and are smallest in alkali, larger in water and largest in alcohol. The reduction takes place on the nickel surface which on the whole is filled by hydrogen. The dependence of the reaction velocity upon the absolute decrease of the potential in different mediums, allows the conclusion that the process of hydrogenation in this case is checked by the rate of activation of furyl alcohol. From the shape of the potential curve one may estimate the rate of regeneration of hydrogen on the surface of skeleton nickel during the reaction. This process takes place more quickly in water and alcohol than in alkali. Although the same solvents are used, the catalyst is more sensitive to the temperature. At 40° and 60° its potential does not return to a reversible hydrogen potential. The activation energy computed from kinetic data, also depends upon the medium and upon the potential of the

Card 2/3

The Hydrogenation of Furyl Alcohol on a Skeleton  
Nickel Catalyst

SOV/20-126-4-24/62

catalyst. It conforms with a scheme suggested earlier, a scheme of the inter-relation between a decrease of the potential, the filling of the surface by hydrogen, and the activation energy (Ref 10). The solvent exercises great influence on the constancy of activation of the catalyst in a series of successive experiments of the same proportion of catalysts. This is explained by the influence of the medium on the adsorption of the reaction product. The ratio  $B_1:B_2$  shows that the absorption of furyl alcohol in an alcoholic medium is the same as that of the product of its reduction which suppresses the activity of the catalyst considerably. The activity of skeleton nickel is more stable in water and alkali. There are 1 figure, 2 tables, and 10 references, 9 of which are Soviet.

SUBMITTED: February 7, 1959

Card 3/3

BEZVERKHOVA, S.T.; LUK'YANOV, A.T.; SOKOL'SKIY, D.V., akademik

Potentiometric measurements in various media. Dokl. AN SSSR  
148 no.4:881-883 F '63. (MIRA 16:4)

1. Kazakhskiy gosudarstvennyy universitet im. S.M.Korova.
2. AN KazSSR (for Sokol'skiy).  
(Conductometric analysis)

BEZVERKHQVA, Yevdokiya Vasil'yevna; FLAKSERMAN, N.A., red.; GVOZDEV, V.A.,  
tekh. red.

[Operation of the Stalingrad Planetarium] Ob opyte raboty Stalin-  
gradskogo planetariia. Moskva, Ob-vo po rasprostraneniu`polit. i  
nauchn. znanii RSFSR, 1960. 30 p. (MIRA 14:8)  
(Stalingrad—Planetaria)

BEZVERSHENKO, V. A.: Master Tech Sci (diss) -- "Automatic accounting and control of power expenditures in doing tractor work". Leningrad, 1959. 15 pp (Min Agric USSR, Leningrad Agric Inst, Engineering Faculty), 120 copies (KL, No 14, 1959, 120)

BEZVERSHENKO, V.A., inzh.

Dynamometer for tractors. Mekh. i elek. sots. sel'khoz. 17  
no.2:42-45 '59. (MIRA 12:6)

Leningradskiy sel'skokhozyaystvennyy institut.  
(Dyanmometer)

SHIMKO, I.G.; KUWIN, A.A.; VOYTSEKHOVSKAYA, Ye.S.; TATEVOSYAN, Ye.L.;  
MAKAROVA, T.P.; GAYDUKOV, K.A.; GINZBERG, M.A.; Prinsipal'  
uchastnye: POLYAKOVA, G.V.; BEZVERSHENKO, V.I.

Introducing continuous mercerization systems in the manufac-  
ture of viscose rayon. Khim. volok. no.3:61-65 '63.

(MIRA 16:7)

1. Kiyevskiy kombinat (for Shimko, Kuvin, Voytsekhovskaya).
2. Leningradskiy filial Vsesoyuznogo nauchno-issledovatel'  
skogo instituta iskusstvennogo volokna (for Tatevosyan,  
Makarova).
3. Kiyevskiy filial Vsesoyuznogo nauchno-issledo-  
vatel'skogo instituta iskusstvennogo volokna (for Gaydukov,  
Polyakova, Bezvershenko).
4. Vsesoyuznyy nauchno-issledovatel'  
skiy institut iskusstvennogo volokna (for Ginzberg).  
(Rayon) (Mercerization)

1. BEZVERSHENKO, YE. M.
2. USSR (600)
4. Viticulture-Odessa Province
7. At the province agricultural exhibition. Vin SSSR 13 No. 1, 1953.

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



BEZVERZHENKO, S.Ye.

Periodicity of fruit bearing among forest trees and shrubs in  
Cherkassy Province. Geog. sbor. no.16:150-152 '63. (MIRA 16:6)  
(Cherkassy Province--Forest ecology)  
(Cherkassy Province--Seed production)

BEZVERSHUK, O.A.

Over-all mechanization and automation of production processes  
in the glass, porcelain and faience industry. Leh. prom.  
no.2:5-8 Ap-Je '63. (MIRA 16:7)

1. Glavnoye upravleniye legkoy promyshlennosti Ukrainskogo  
soveta narodnogo khozyaystva.  
(Ukraine--Glass industry)  
(Ukraine--Pottery)

AUTHOR: Bezvershenko, S.Ye. SOV-26-58-3-50/51

TITLE: Messengers of Spring in the Ukraine (Vestniki vesny na Ukraine)

PERIODICAL: Priroda, 1958, Nr 3, p 126 (USSR)

ABSTRACT: While the mean temperature in the Ukraine has been usually about/0° C on the 15th March for many years, spring is announced much earlier by such migratory birds as the field lark, chaffinch, wild dove, wild duck, starling, wood lark, reed bunting, white wagtail and garganey, which in the past 25 years have arrived between the 5th and 23rd of March. There is 1 table.

ASSOCIATION: Ozernaya meteorostantsiya, Zvenigorodskiy rayon, Cherkasskoy Oblasti, USSR (Ozernaya Weather Station, Zvenigorod Rayon, ~~Cherkasskaya~~ Oblast', Ukr SSR)

1. Birds--Climatic factors 2. Birds--USSR

Card 1/1

BEZVESEL'NIY, Yefim Semenovich, kandidat tekhnicheskikh nauk; KOSTYUK,  
D.I., redaktor; BUKHBINDER, L.M., tekhnicheskiy redaktor

[Atlas on the theory of mechanisms and machines] Atlas po teorii  
mekhanizmov i mashin. Khar'kov, Ivd-vo Khar'kovskogo gos. uni-  
versiteta im. A.M.Gor'kogo, 1954. 125 p. 116 illus. (MIRA 8:7)  
(Mechanical engineering)

BEZVESEL'NIYY, YEFIM SEMENOVICH

PHASE I BOOK EXPLOITATION 776

• Bezvesel'nyy, Yefim Semenovich, Candidate of Technical Sciences,  
Docent

Sbornik zadach i zadaniy po teorii mekhanizmov i mashin (Collection of Problems and Assignments on the Theory of Mechanisms and Machines) Khar'kov, Izd-vo Khar'kovskogo univ-ta, 1958. 361 p. 10,000 copies printed.

Resp. Ed.: Kostyuk, A.P., Docent; Ed.: Pashchinskaya, G.N.;  
Tech. Ed.: Zadorozhnyy, V.S.

**PURPOSE:** The textbook is intended for students of vtuses and for technicians.

**COVERAGE:** The book presents many diagrams of mechanisms for farm, textile, mining, pressing, forging, hoisting, food processing and printing machinery. Mechanisms of clocks, phonographs, casting and foundry machinery, still and moving picture cameras

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Collection of Problems and Assignments (Cont.) 776

are also shown. The book provides a large number of review problems. There are 75 references, of which 74 are Soviet, 1 English.

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