

BOZHKOVA, L.

Application of the method of symmetrical components to unsymmetrical operations of electric transformers. p. 12.

ELEKTROENERGIJA

(ministerstvo na elektrifikatsiata i Vodnoto stopanstvo i Profsoiuz na rabotnitsite ot tezhkata promishlenost i elektrifikatsiata)

Vol. 9, n. 8, Aug. 1958

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 4  
April 1959, Unclass.

BOZHKOVA, L.

TECHNOLOGY

Periodicals ELEKTROENERGIJA. Vol. 10, no. 1. Jan. 1959

BOZHKOVA, L. Concerning the parallel switching of transformers with various groups of connection. p. 24.

Monthly List of East European Accessions (EEAI) IC, Vol. 8, No. 5,  
May 1959, Unclass.

BOZHKOV, Liubomir, inzh.

Selecting the capacity of network consumers transformers.  
Elektroenergiia 13 no.2:13-15 F '62.

1. IE pri BAN.

BOZHKOVA, L.

Selecting the economical section of conductors in  
transmission lines. Izv Inst energ BAN 5:145-162 '63.

PETKOV, L., inzh.; BOZHKOVA, L., inzh.; BAKHNEV, B., inzh.; DIMOVA, M., inzh.

Standard diagrams of active and reactive loads. Elektroenergiia 14  
no.7:7-9 J1 '63.

BOZHKOV, R.; GODEV, N.

Tornado of May 29, 1961 in the Rhodope Mountains. Priroda Bulg 11  
no. 1:80-86 Ja-F 62.

BOZHKOVA, Rymen D.

Synoptic conditions for the spring and autumn dangerous falls of temperature, and methods for their forecast. Trud Inst khidro meteor no.13:111-137 '62.

BOZHKOV, R. M. MARTINOV.

Whirlwind around the vertical axis of Vitosha Mountain on June 14, 1956. p. 59  
(Khidrologhia I Meteorologia, no. 5, 1956, Bulgaria)

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



BOZHKOV, R.

"Unusually high maximal temperature during the month of December in Bulgaria."

p. 22 (Khidrologiia I Meteorologiia, Vol. 9, No. 1, 1958, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 9,  
September 1958

ECZHKOV, R.

"Ozone and its connection with atmospheric processes."

KHIMROLOGIIA I METEOROLOGIIA., Sofia, Bulgaria., No. 2, 1959

Monthly list of EAST EUROPEAN ACCESSIONS (EEAI), LC, Vol. 8, No. 7, July 1959, Unclas

BOZHKOV, Rumon D.

Synoptic conditions for transition of minimum temperatures below  
two degrees during the spring and autumn in Bulgaria. Khidro 1  
meteorolog no.1:19-29 '60. (EEAI 10:1)  
(Bulgaria--Atmospheric temperature)  
(Spring) (Autumn)

BOZHKOV, Rumén D.

Conditions which help in forecasting critical low temperatures  
during the spring and autumn seasons in Bulgaria. Khidro i  
meteorolog no.2:63-66 '60. (EEAI 10:1)  
(Bulgaria--Atmospheric temperature)  
(Autumn) (Spring)

BOZHKOV, R.; GODEV, N.

A brief review on investigating the earth atmosphere with artificial satellites. Khidro i meteorolog no.3:30-35 '61.

GODEV, N.; BOZHKOVA, R.

Some remarks on the article "Modification of the baryfield  
in the atmosphere." Khidro i meteorologiya, 6:48-54 '61.

GODEV, Nikola; BOZHKOV, Rumen

Some comment on the article "On formation of a microvortex in the atmosphere". Khidro i meteorolog no.4:61-64 '61.

BOZHKOV, Rumen D.

Relation between the temperature changes and the ozone in  
the middle stratosphere. Khidro i meteorolog no.2:22-32 '63.



GODEV, Nikola; BOZHKOV, Rumen

Testing some graphic methods for weather forecasts, and  
adapting them for use in Bulgaria. Khidre i meteorolog  
no.1:18-23 '63.

BOZHKOV, Rumen D.

Abrupt and unusual warming in the stratosphere over Sofia in winter. Khidro i meteorolog 3:30-43 '63.

SUBEV, L.; STANEV, S.; BOZHKOVA, R.

Conditions of late-spring and early-autumn frosts in Bulgaria. Trud Inst khidro meteor no.15:45-112 '63.

1. Redaktori, "Trudove na Instituta po khidrologiia i meteorologiia" (for Subev and Stanev)

BOZHKOVA, Rumen D.

Variations in the total amount of ozone and their connection with  
temperature variations in the stratosphere. Geomag. i aer. 4  
no.1:137-140 Ja-F '64. (MIRA 17:2)

1. Sofiyskiy gosudarstvennyy universitet, Bolgarskaya Narodnaya  
Respublika.

BOZHKOV, Rumen D.

Changes in the total ozone, and their relation to the wind  
direction in the stratosphere. Khidro i meteorolog 13 no. 3:  
13-21 '64.

BOZHKOV, Ramon D.

Ozone variations and abrupt warmings in the stratosphere over the mediterranean during the cold half of the year. Khidro i meteorolog 13 no.5:8-20 '64.

L 2549-66 EPF(c)/FCC/EWP(t)/EWP(b)/EWA(h) IJP(c) JD

ACCESSION NR: AP5023678

UR/0050/65/000/010/0003/0011  
551.510. 534

AUTHOR: Bozhkov, R. D. (Candidate of physico-mathematical sciences)

33  
30  
B

TITLE: Vertical distribution of ozone in the earth atmosphere

SOURCE: Meteorologiya i gidrologiya, no. 10, 1965, 3-11

TOPIC TAGS: ozone, atmosphere, atmospheric physics, atmospheric sampling, atmospheric, stratosphere, physics research, geophysics research facility

ABSTRACT: After presenting a brief resume of modern stratospheric studies, the author explains the value and the scope of research on ozone distribution. The leading scientists from Götz to Regener are cited, and the methods used by them are listed. An analysis of the mean vertical distribution of ozone along the earth's north latitudes is then developed on the basis of nearly 4000 observations contributed by 28 stations. The latter are tabulated according to their latitudinal positions (3° to 76°), numbers of observations, and mean total amount of ozone at each station. The vertical ozone distribution is analyzed for nine layers with average elevations varying from 1.8 to 42.6 km. From partial pressures in these layers four graphs were plotted, one for the yearly mean vertical distribution of ozone (see Fig. 1 on the Enclosure) and three for the seasonal distributions. With Card 1/3

L 2549-66

ACCESSION NR: AP5023678

3  
these graphs and other data in view, the variations of ozone density and amount with the latitude, elevation, and season are discussed. Bar graphs of seasonal percentage ozone content at various altitudes are also presented. It is suggested that the results of this work may be used for checking the model of the stratosphere circulation, previously discussed by the author, by A. W. Brewer, and by B. M. J. Dobson. The author's deductions on the ozone latitudinal and altitudinal distribution and on stratospheric circulation conclude the article. Orig. art. has: 4 tables and 5 graphs.

ASSOCIATION: Sofiyskiy universitet "Kliment Okhridski," Bulgaria (Sophia University "Kliment Okhridski," Sofia)

SUBMITTED: 14May65

ENCL: 01

44,55  
SUB CODE: ES

NO REF SOV: 002

OTHER: 017

Card 2/3



L 2549-66

ACCESSION NR: AP5023678

ENCLOSURE: 01

0

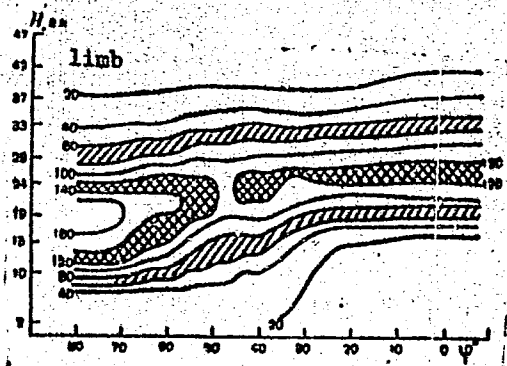


Fig. 1. Mean annual meridional ozone distribution in height ( $\phi$  --north latitude)

Card 3/3 *md*

BOZHKOV, Stoiko

Toward communism, toward new achievements in science. Spisanie  
BAN 6 no.3:3-7 '61.

1. Nauchen sekretar na Bulgarskata akademiia na naukite.

VODENICHAROV, M.; LYUTSKANOV, S.; STANCHEV, Y.; ~~BOZHKOVA, V.~~

Automatic device for regulating the level of melted glass in  
pot furnaces. Stek. i ker. 20 no.6:39 Je '63. (MIRA 16:6)

1. Nauchno-issledovatel'skiy institut silikatnoy promyshlennosti  
i stroymaterialov, Narodnaya Respublika Bolgariya.  
(Glass furnaces)

STOICHEV, K.; BOZHKOVA, V.; STOIANOV, R.

On the problem of industrial injuries of the hand in our country.  
Khirurgia, Sofia 13 no.2-3:235-238 '60.

1. Iz Instituta za vuzstanovitelna khirurgia, protezirane i trudo-  
ustroistvo.

(HAND wds & inj.)

(ACCIDENTS INDUSTRIAL statist.)

BOZHKOV, V., uchitel

Lecture experiments in teaching chemistry in the primary eight-grade schools. Biol i khim 6 no.4:29-36 '63.

1. 22-ro u-shte, Plovdiv.

BOZHKOV, V.; GENKOV, G.; GAITANDEHIEV, K.

A case of osteomalacia with Milkman's syndrome. Suvr. med.  
(Sofia) 15 no.5:33-36 '64

L 1117-66 EWT(m)/EWP(t)/EWP(b) IJP(c) JD/GS

ACCESSION NR: AT5020497

UR/0000/64/000/000/0491/0494

AUTHORS: Presnov, V. A. (Professor); Bozhkov, V. G.

46  
B+1

TITLE: Calculation of the surface charge for a crystal with an atomically pure surface coinciding with face (111)

SOURCE: Mezhvuzovskaya nauchno-tekhnicheskaya konferentsiya po fizike poluprovodnikov (poverkhnostnyye i kontaktnyye yavleniya). Tomsk, 1962. Poverkhnostnyye i kontaktnyye yavleniya v poluprovodnikakh (Surface and contact phenomena in semiconductors). Tomsk, Izd-vo Tomskogo univ., 1964, 491-494

TOPIC TAGS: semiconducting material, germanium, crystal, excited state, electron trapping, electron hole

ABSTRACT: Expressions are derived for calculating the surface charge of a crystal with an atomically pure surface that coincides with face (111), under the assumption that this charge is a result of either pairing or breaking of an unsaturated surface-atom bond. The effect of excited states on electron and hole trapping is not taken into account. The calculations were made on the basis of the work of W. Shockley and J. T. Last (Phys. Rev., v. 107, No. 2, 1957). It is found that a negative charge is present on an atomically pure germanium surface bounded by face (111). Orig.

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L 1117-66

ACCESSION NR: AT5020497

art. has: 1 diagram and 22 formulas.

ASSOCIATION: none

SUBMITTED: 06Oct64

ENCL: 00

SUB CODE: SS

NO REF SOV: 001

OTHER: 001

*kc*  
Card 2/2



STOIANOV, Jordan St.; VODENICZAROV, Marin B.; LIUTSKANOV, Stoian St., inzh.  
BOZHKOV, Vasil Kr.

Automatic electronic regulator of the glass mass level  
in the glass tank furnaces. Radio i televiziia 11 no.12:  
283 '62.

BOZHKOVA, V.I.

Dermatoplasty of the hand according to experiences of the Institut  
za vuzstanovitelna khirurgia. Khirurgia, Sofia 13 no.2-3:258-259  
'60.

1. Iz Instituta za vuzstanovitelna khirurgia, protezirane i trudo-  
ustroistvo.

(HAND surg.)

(SKIN TRANSPLANTATION)

KHOLEVICH, IA, dotsent; MATEV, Iv.; BOZHKOV, Vl.

On surgical therapy of burns. Khirurgiia 15 no.9/10:803-807  
'62.

1. Iz Nauchno-issledovatel'skiiia institut po vuzstanovitel'na  
khirurgiia, protezirane i rekhabilitatsiia.  
(BURNS) (SKIN TRANSPLANTATION)

L 18400-63 EWT(d)/BDS AFFTC/ASD/APGC/IJP(C) Pg-4/Pk-4/Fl-4/Po-4/  
Pq-4 BC  
ACCESSION NR: AP3003742 S/0103/63/024/007/0950/0961 77

AUTHOR: Bozhukov, V. M. (Moscow); Kukhtenko, V. I. (Moscow)

TITLE: Method for designing self-adapting automatic control systems with  
stabilization of frequency characteristics 9

SOURCE: Avtomatika i telemekhanika, v. 24, no. 7, 1963, 950-961

TOPIC TAGS: self-adapting system, automatic control

ABSTRACT: Self-adapting automatic-control systems that vary their own frequency characteristics were studied by A. A. Krasovskiy, et al. (Fundamentals of automation and technical cybernetics, published by VVIA im. Zhukovskogo, 1961). The self-resetting method considered in the article includes stabilizing a few points on the amplitude-frequency characteristics of the open and closed automatic-control systems. Hence, the values of these characteristics at some fixed frequencies serve as indicants of resetting. The law that governs the

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L 18400-63

ACCESSION NR: AP3003742

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correcting circuits is formulated thusly: The signal of difference between the measured and the required resetting quantities is fed, through an integrating circuit, to a variable-coefficient-generating unit and varies the coefficient until the difference signal vanishes. A number of functional diagrams are discussed and analyzed mathematically. The above theoretical work amplified by an "investigation of a laboratory model of an industrial controller" permitted the formulation of the fundamental properties of the self-adapting systems. Orig. art. has: 9 figures and 24 formulas.

ASSOCIATION: none

SUBMITTED: 03Oct62

DATE ACQ: 02Aug63

ENCL: 00

SUB CODE: IE

NO REF SOV: 002

OTHER: 001

Card 2/2

BOZHKO, V.P.

Abrasion of dam buttresses and crests by the river bed load. Trudy Inst.  
soor. AN Uz. SSR no. 7:239-244 '55. (MLRA 10:3)  
(Dams)

KALMYKOV, A.V.; BOZHKOV, V.T.

Industrial testing of a combined dust collector of the drum dryer in  
the Chumakovo Central Coal Preparation Plant. Koks i khim. no.3:14-17  
'63. (MIRA 16:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektno-konstruktorskiy  
institut po obogashcheniyu i briketirovaniyu ugley (for Kalmykov).
2. Chumakovskaya tsentral'naya ugleobogatitel'naya fabrika (for  
Bozhkov).

(Dust collectors--Testing) (Drying apparatus)

CHEBOTAREV, G.A.; BOZHKOVA, A.I.

Evolution of orbits of minor planets of the Hilda group. *Biul. Inst. teor. astron.* 5 no.9:571-593 '54. (MIRA 8:4)  
(Planets, Minor) (Orbits)



CHEBOTAREV, G.A.; BOZHKOVA, A.I.

Theory of motion of the Trojan group of asteroids. Bul. Inst.  
teor. astron. 6 no.4:221-231 '55. (MIRA 13:3)  
(Planets, Minor)

3. 1420  
3. 1550

69848  
SOV/35-59-9-6929

Translation from: Referativnyy zhurnal, Astronomiya i Geodeziya, 1959, Nr 9, pp 8 - 9 (USSR)

AUTHORS: Chebotarev, G.A., Bozhkova, A.I.

TITLE: The Study of the Motion of Two Trojans by the Numerical Method

PERIODICAL: Byul. In-ta teor. astron. AS USSR, 1959, Vol 7, Nr 3, pp 186 - 201 (Engl. résumé)

ABSTRACT: The motion of two Trojans has been studied - of Patroclus (617) and of Anchises (1173) over a period of  $\sim 710$  years. The motion of the Trojans in the plane of motion of Jupiter is examined; a numerical integration in the rectangular coordinates is carried out by the Cowell method, and only the perturbations from Jupiter are allowed for. The motion of Jupiter is considered to be unperturbed and the integration interval  $\omega = 1:80$  of the complete revolution of Jupiter. Patroclus was chosen as the Trojan with the greatest eccentricity and the greatest inclination, and Anchises as the Trojan with the greatest daily motion. Orbital elements of both Trojans are given, calculated after each revolution of Jupiter. The big semi-axis of Patroclus undergoes long-periodic fluctuations, with the

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69848

The Study of the Motion of Two Trojans by the Numerical Method      SOV/35-59-9-6929

period  $\sim 12.3$  revolutions of Jupiter or 146 years, the eccentricity decreases secularly, the apside line rotates at an average speed of  $\Delta\pi = 0^{\circ}.842$  per one revolution of Jupiter. The big semi-axis of Anchises also has long-periodic fluctuations with the period  $\sim 12.6$  revolutions of Jupiter, the eccentricity remains constant while the speed of rotation of the apside line is  $\Delta\pi = +0^{\circ}.850$ . In the whole interval, the joviocentric orbit of Patroclus retains its elliptical character, while the Anchises orbit periodically changes its character, passing from elliptical to hyperbolic and back.

N.S. Yakhontova

✓

Card 2/2

85204

S/035/60/000/010/003/021

A001/A001

3.1400

Translation from: Referativnyy zhurnal, Astronomiya i Geodeziya, 1960, No. 10, p. 9, # 9814

AUTHORS: Chebotarev, G. A., Bozhkova, A. I.

TITLE: On the Stability of Circular Orbits Within the Sphere of Jupiter Influence

PERIODICAL: Byull. In-ta teor. astron. AN SSSR, 1960, Vol. 7, No. 8, pp. 581-587  
(English summary)

TEXT: The problem is considered on the stability of motion of Jupiter's satellites whose orbits are within its influence sphere or near the boundaries of this sphere. Side-by-side with the Jupiter influence sphere the authors introduce a sphere with the radius  $R^* = r_1 m_1^{1/2}$  ( $m_1$  is Jupiter mass) within which Jupiter's attraction is stronger than that of the Sun. The motion of six fictitious Jupiter's satellites is considered moving along circular orbits with semiaxes:  $a_0 = 0.30; 0.28; 0.25; 0.20; 0.15$  and  $0.10$ . The integration of motion equations is performed by Cowell's method with six decimals. It is shown that

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85204  
S/035/60/000/010/003/021  
A001/A001

On the Stability of Circular Orbits Within the Sphere of Jupiter Influence

beyond the limits of the sphere with radius  $R^*$  the motion along a circular orbit is unstable. It is noted that all the actual Jupiter satellites are within this sphere.

N. S. Yakhontova

Translator's note: This is the full translation of the original Russian abstract. ✓

Card 2/2

CHEBOTAREV, G.A.; BOZHKOVA, A.I.

Motion of artificial satellites of Mars, Venus and Mercury in the  
sphere of action of the planet. Bul.Inst.teor.astron. 9:169-184  
'63. (MIRA 16:10)

CHEBOTAREV, G.A.; BOZHKOVA, A.I.

Stability of elliptical orbits in the sphere of action of Jupiter.  
Bul.Inst.teor.astron. 8 no.9:641-646 '62.      (MIRA 17:4)

ACCESSION NR: AT4040744

S/2511/62/008/009/0641/0646

AUTHOR: Chebotarev, G. A.; Bozhkova, A. I.

TITLE: Stability of elliptical orbits in the sphere of influence of Jupiter

SOURCE: AN SSSR. Institut teoreticheskoy astronomii. Byulleten', v. 8, no. 9(102), 1962, 641-646

TOPIC TAGS: astrophysics, astronomy, celestial mechanics, Jupiter, planetary influence sphere, satellite orbit

ABSTRACT: In earlier studies (Byull. ITA, 7, 8(91) and 8, 2 (95)) the authors considered the problem of the stability of circular orbits (with direct and retrograde motion of a satellite) in the sphere of influence of Jupiter. In this new study the numerical integration method was used to investigate the stability of elliptical orbits ( $e = 0.5$ ) with direct motion of a satellite. As in the earlier studies, the author considered the motion of six fictitious satellites of Jupiter, moving in orbits with specific parameters, with the origin of coordinates at the center of inertia of Jupiter. Since the radius of the sphere of influence of Jupiter is  $R = 0.279$  a. u., all the six satellites considered lay deep within the sphere of influence of Jupiter at the beginning of their motion. The motion of Jupiter is considered unperturbed and occurring in a plane. The motion of satellites I-IV is unstable, as in the case of circular

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ACCESSION NR: AT4040744

orbits. The satellites rapidly abandon the sphere of influence of Jupiter and assume helio-centric orbits. The motion of satellites V and VI was integrated for three revolutions and was stable for this interval of time. It is concluded that the region of stable motion for cases of elliptical orbits ( $e_0 = 0.5$ ) is determined by the condition  $a \leq 0.18$  a. u. Beginning with  $a = 0.2$  a. u. the satellite motion is unstable. It is shown graphically in the original that the motion of a material particle in the sphere of influence of Jupiter and outside the sphere can be investigated only by rigorous solution of the restricted three-body problem. The problem cannot be reduced to a two-body problem. Orig. art. has: 10 tables and 9 figures.

ASSOCIATION: Institut teoreticheskoy astronomii AN SSSR (Institute of Theoretical Astronomy AN SSSR)

SUBMITTED: 05Aug61

DATE SEL: 15Jul64

ENCL: 00

SUB CODE: AA

NO REF SOV: 002

OTHER: 000

Card 2/2

CHEBOTAREV, G.A.; BOZHKOVA, A. I.

Movement of polar satellites of Mars, Venus, and Mercury.  
Biul. Inst. teor. astron. 9 no. 6:388-393 '64. (MIRA 17:9)

BOZHKOVA, K.; BOGUSHEVSKAYA-DABRYSOVA, N.

Some aspects of the biochemistry of the cerebral tissue in suppurative meningitis. *Pediatria* 37 no.10:74-79 0 '59. (MIRA 13:2)

1. Iz kafedry pediatrii (zaveduyushchiy - prof. B. Gurnitskiy) Meditsinskoy akademii v Shchetsine.  
(MENINGITIS metab.)  
(BRAIN chem.)

GURNITSKIY, B.; BOZHKOVA, K.

Problem of the study of permotion of some drugs through the  
hemato-encephalic barrier in purulent meningitis. *Pediatria*  
37 no.12:35-39 D '59. (MIRA 13:5)

1. Iz kafedry pediatrii (zav. - prof. B. Gurnitskiy) Meditsin-  
skoy akademii v Shtetsine.

(MENINGITIS pharmacol.)

(HEMATO-ENCEPHALIC BARRIER pharmacol.)

VYSHESLAVTSEVA, M.A., khudozhnik-model'yery; BOZHNEVA, K.Ye., khudozhnik-  
- model'yery.

Broaden the assortment of fabrics for children's wear. Tekst.prom.  
16 no.5:61-62 My '56. (MLRA 9:8)

1. Obshchesoyuznyy Dom modely.  
(Textile fabrics)

BOZHINOV, S., GEORGIEV, I.

Case of meningeal carcinosis with the clinical picture of  
Guillain-Barre polyradiculoneuritis. *Sovrem. med., Sofia*  
4 no.9:86-91 1953. (GIML 25:5)

1. Of the Department of Neurology (Head --Prof. G. Usunov),  
V. Chervenkov Medical Academy.

*Bozhok, I.*

BOZHOK, I., tehnik-normirovshchik.

~~Editions of collected standards must be handy.~~ Avt.transp. 35  
no.11:39 N '57. (MIRA 10:12)

1. Kolomyyskaya avtotransportnaya kontora.  
(Automobiles--Repairing--Standards)

1. BOZHOK, L. V.
2. USSR (600)
4. Root Crops
7. My work practice. Dost. sel'khoz. No. 5, 1953.

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



DAVIDENKOV, N.N. [Davydenkov, M.M.] (Leningrad); BOZHOKINA, I.A.  
[Bozhokina, I.O.] (Leningrad)

Temperature-time dependence of the yield point. *Fizikl.mekh.* 4  
no.3:334-335 '58. (MIRA 13:8)

1. Leningradskiy fiziko-tekhnicheskii institut AN SSSR.  
(Plasticity)

24.7500

24(6)

AUTHORS:

Davidenkov, N.N., Bozhokina, I.A.

67326

SOV/181-1-8-31/32

TITLE:

On a Mechanical Criterion of Cold Brittleness<sup>18</sup>

PERIODICAL:

Fizika tverdogo tela, 1959, Vol 1, Nr 8, pp 1319-1320 (USSR)

ABSTRACT:

Investigations have to be made as to whether the scheme worked out by A.F. Ioffe (Ref 4) may be extended to complex types of the state of stress<sup>3v</sup> or not. In a previous paper N.N. Davidenkov (Ref 5) attempted to plot a special diagram for this case by introducing a "dislocation wave". The dislocation theory of plastic deformation<sup>3p</sup> in particular yields such a diagram as has been shown by V.K. Likhtman and Ye.D. Shchukin. These authors found the hyperbolic equation  $\sigma = \text{const}$  for the relation between normal stress and splitting stress in the case of brittle fracture<sup>3h</sup> (at a given temperature). The authors examined this equation by means of differently oriented zinc single crystals. The equation was confirmed although these single crystals have no intragranular boundaries which could cause dislocation accumulation as postulated by the theory. A considerable deformation preceded the fracture. The more the theory should be valid in polycrystal fracture. In this case, however, this is not easy to check because of difficulties ✓

Card 1/2

On a Mechanical Criterion of Cold Brittleness

SOV/181-1-8-31/32

arising when wide stress variations occur. The authors compared the brittleness strength of molybdenum samples (purity:99.98%) to uniaxial extension and to torsion; the samples had been annealed before in vacuum ( $10^{-3}$  torr) at  $1570^{\circ}\text{C}$  for one hour. These experiments were carried out at  $-196^{\circ}\text{C}$  in boiling nitrogen in order to obtain as brittle a fracture as possible. The following results were obtained: (a) bending test (average of experiments with 13 samples):  $\sigma = 2\tau = 76.0 \pm 6.0 \text{ kg/mm}^2$ . (b) torsion test (average of experiments with 5 samples):  $\sigma = \tau = 55.0 \pm 2.2 \text{ kg/mm}^2$ . These results are in sufficient agreement with theory. The investigations discussed in this paper are being continued. There are 1 figure and 6 references, 4 of which are Soviet.

ASSOCIATION: Fiziko-tehnicheskiy institut AN SSSR, Leningrad (Institute of Physics and Technology of the AS USSR, Leningrad)

SUBMITTED: May 6, 1959

Card 2/2

BOZHOROV, E.

Some problems relative to polynomials and entire functions.  
Godishnik khim tekhn 8 no.2:251-262 '61 [publ. '62].

BOZHOROV, E.

A class of extremal polynomials. Godishnik khim tekhn 9 no. 1:  
301-311 '62[publ.'63].

YELENKOV, D. [Elenkov, D.]; BOZHOV, I.

Influence of surface-active admixtures on the hydrodynamics of  
sieve downcomerless trays. Doklady BAN 17 no.8:733-736 '64.

1. Predstavleno akad. D.Ivanovym.

RODIONOV, A.I.; KOVAL', Zh.A.; BOZHOV, I.S.

Testing turbogrid-type sieve plates with perforations of two  
different diameters. Zhur.prikl.khim. 35 no.2:357-361 F '62.  
(MIRA 15:2)

1. Moskovskiy khimiko-tehnologicheskij institut imeni  
D.I.Mendeleyeva,

(Plate towers)

The effect of surface-active material on the absorption  
of organic vapors of acrylonitrile in water. L. M. BARTON  
and J. H. HARRIS. J. Polym. Sci. Polym. Chem. Ed. 10: 1041-1048 (1972)

Distr: hE2c(j)



BOZHOV, Iv.; ELENKOV, D.

Influence of surface-active substances on the speed of gas  
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BOZHOVICH, L.I.

Some problems in the formation of the schoolchild's personality and  
methods for its study. Vop.psikhol.2 no.5:15-27 S-0 '56.  
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1. Institut psikhologii Akademii pedagogicheskikh nauk RSFSR.  
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BOZHOVICH, Lidiya I. (USSR)

"L'Etude Experimentale de la Personnalite."

Paper presented at the 14th International Congress of Applied Psychology,  
Copenhagen, Denmark, 13-19 Aug. 1961.

BOZHOVICH, L.I.

Development of student personality in the light of the problems  
of education. Vop. psikhol. 9 no.6:12-22 N-D '63. (MIRA 17:4)

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Moskva.

BOZHOVICH, L. I.

"Rol' aktivnosti rebenka v protsesse Yego vospitaniya."

report submitted for 15th Intl Cong, Intl Assn of Applied Psychology,  
Ljubljana, Yugoslavia, 2-8 Aug 1964.

Institut psikhologii, Moskva.

BOZHOVSKAYA, I.V.

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MISHNINA, T.A.; AVDEYEVA, O.I.; BOZHOVSKAYA, T.K.

Solubility of methane in sodium chloride solutions. Inform.sbor.  
VSEGEI no.56:137-145 '62. (MIRA 17:1)

*BOZHUKOV, B. P.*

ZIZYUKIN, Mikhail Il'ich; ~~BOZHUKOV, B.P.~~, inzh., retsenzent; FILATOV, S.R.,  
retsenzent; RABINOVICH, P.M., dots., red.; TEMKIN, A.V., red.izd-va;  
UVAROVA, A.F., tekhn.red.

[Prevention and analysis of waste in the machinery industry]  
Preduprezhdenie i analiz braka v mashinostroenii. Moskva, Gos.  
nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1957. 221 p.  
(Machinery industry) (MIRA 11:2)

25(5)

SOV/28-59-2-24/26

**AUTHORS:**

Bozhukov, B.P., Chief of the OTK at the "Frezer" Plant;  
Bakhshiyev, F.A., Doctor of Technical Sciences, Professor;  
Britkin, A.S., Doctor of Technical Sciences, Professor; Kokhtev,  
A., Engineer.

**TITLE:**

A Valuable Textbook for Engineers (Tsennoye posobiye dlya  
Inzhenerov)

**PERIODICAL:**

Standartizatsiya, 1959, Nr 2, pp 60-61 (USSR)

**ABSTRACT:**

The book by A.M. Dlin, "Mathematical Statistics in Engineer-  
ing" ("Matematicheskaya statistika v tekhnike") is reviewed  
in this article.

Card 1/1

BOZHUTIN, V.

Help came from automation. Mest.prom. i khud.promys. 2 no.12:  
10 D '61. (MIRA 14:12)

1. Nachal'nik tekhnicheskogo otdela zavoda emalirovannoy posudy,  
Leningrad.

(Leningrad—Enameled ware)  
(Automatic control)

MARSHEV, M., general-mayor tankovykh voysk; BOZH'YEV, G., inzhener-polkovnik

Continue to hunt, create, act boldly. Voen.vest. 40 no.10:104-108  
0 '60. (MIRA 14:5)

(Tank warfare)

BOZH'YEV, G., inzhener-polkovnik

Simple, reliable, and useful. Voen.vest. no.9:79-81 S '60.  
(MIRA 14:7)

(Targets (Military science))

L 34957-65 INT(1)/EWG(v)/FCG/EEG(t) Po-5/P1-4 GW  
ACCESSION NR: AP5007600 S/0362/65/001/001/0414/0118

AUTHOR: Bozh'yev, K. I. (Deceased); Driving, A. Ya.; Malkov, I. P.; Mikhaylin,  
I. M.; Rozenberg, G. V.; Turkin, G. D.

38  
39  
B

TITLE: Field-type spectrophotographic goniometer

SOURCE: AN SSSR. Izvestiya, Fizika atmosfery i okeana, v. 1, no. 1, 1965,  
114-118

TOPIC TAGS: goniometer, spectrophotographic goniometer, diffraction spectrometer,  
atmospheric optics, atmospheric physics, scattering matrix, atmospheric polariza-  
tion, snow reflectivity

ABSTRACT: A spectrophotographic goniometer built at the Zvenigorodsk scientific  
base under G. V. Rozenberg and featuring a high measurement rate is described.  
It is organized around the DFS-14 diffraction photoelectric spectrometer which  
is discussed in detail. Provision for the use of two light receivers facilitates  
shifting from one spectral range to another. Test operation shows that despite  
its bulkiness, this arrangement is sufficiently convenient and reliable and makes  
possible a wide range of investigations, e.g., it has been used to measure the  
angular and spectral dependence of various components of the scattering matrix

Card 1/2

L 34957-65

ACCESSION NR: AP5007600

of atmospheric air under various meteorological conditions, to measure the spectra and polarization of the daytime and twilight sky, and to study the spectral and angular dependence of the reflective power of snow. Orig. art. has: 5 figures.

ASSOCIATION: Institut fiziki atmosfery, Akademiya nauk SSSR (Atmospheric physics institute, Academy of sciences, SSSR)

SUBMITTED: 27Apr64

ENGL: 00

SUB CODE: OP, ES

NO REF SOV: 003

OTHER: 000

Card 2/2



BOZI, Jozsef

The 1961 scientific work of the Designing Institute for Models of the  
Ministry of Construction. Epites szemle 6 no.4:105-108 '62

1. Epitesugyi Miniszterium Tipustervezo Intezet igazgatoja.

BOZI, Laszlo

The conditions of Hungarian chemical workers and their union's activities. Hung TU no.3/4:17-19 '63.

BOZIC, Aleksandar

The five-layer underwater coatings in practical application.  
Brodogradnja 13 no.4:149-151 '62.

BOZIC, Aleksandar

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Bredogradnja 13 no.4:152-153 '62.

ARNAUTOVSKI, M., inz.; BOZIC, Al.; JEZIC, Kr., inz.; TABAIN, T., inz.;  
ZIMIC, J., inz.

Testing the fireproof lifeboat Greben in the fire. Pt.1.  
Brodogradnja 14 no.6:215-226 '64.





Bozic, D. J.

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Production of steels with addition of niobium and tantalum for aircraft gas turbines. B. I. Bozic (Bull. Soc. Chim. Belgrade 1982, 20: 577-583). The production of steels containing 10-15% Ta by additions to 18/8 Cr-Ni alloy is investigated. The metal in the furnace during it is kept at 1600°C. The mechanical properties of these steels are raised to 70 and 55% respectively. The conditions of diffusion of the alloy are given. There is an increase in the N<sub>2</sub> content of the steels proportional to amount of Ta added. The mechanical properties of the steels are satisfactory.

A. B. DENSHAM

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BOZIC, O.J.

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1343  
EFFECT OF HYDROGEN CHLORIDE GAS ON  $U_3O_8$ . B. J.  
Bozic and O. Gal (Technische Hochschule, Belgrade,  
Yugoslavia), Z. anorg. u. allgem. Chem. 273, 81-80(1953).  
(in German)  
The investigation of the chlorination of  $U_3O_8$  with dry HCl  
gas has shown that the chlorination proceeds readily at  
comparatively low temperatures and is complete in 3 hr at  
1200°. The reaction product is  $UO_2Cl_2$  which is soluble in  
water. Some loss occurs from the thermal decomposition  
of  $UO_2Cl_2$  or from reversible decomposition reactions.  
From these investigations it appears that this process  
might offer an economic possibility for the extraction of U  
ores. (tr-auth)

BOZIC, B.

SCIENCE

Periodical: GLASNIK. Vol. 20, no. 7, 1955.

BOZIC, B. Effect of the thickness of testing rods on the strength, malleability, and construction of steel. p. 475.

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March 1959 Unclass.

BOZIC, B. I.

Production of ferromanganese and Hadfield steel from native manganese ore at a steel works. H. I. Hobie (Hull Soc. Chim. Belgrade 1955. 20. 535-539).—A three-ton-capacity electric furnace is used to investigate the production of ferro-manganese and Hadfield steel from a native Mn ore containing 4.93% H<sub>2</sub>O, 59.83% MnO + MnO<sub>2</sub>, 17.90% SiO<sub>2</sub>, 2.55% BaSO<sub>4</sub>, 9.12% Fe<sub>2</sub>O<sub>3</sub>, 2.06% Al<sub>2</sub>O<sub>3</sub>, 3.21% CaO, 0.50% MgO, 0.008% S and 0.28% P<sub>2</sub>O<sub>5</sub>. The production of ferro-manganese in this furnace is not economic, but Hadfield steel can be produced 45% more cheaply than by the use of imported ferro-manganese.  
A. B. DENSHAU.

BOZIC

BOZIC, B.

The production of magnesium based on domestic raw materials. p. 729.  
(Tehnika, Vol. 12, No. 5, 1957, Beograd, Yugoslavia)

SO: Monthly List of East European Ac cessions (ERAL) Lc. Vol. 6, No. 8, Aug 1957. Uncl.

BOZIC, Branko I.; VIDOJEVIC, Nada P.

Equilibrium diagram of the conditions in the Fe-As system.  
Glas Hem dr 27 no.5/6:341-349 '62.

1. Tehnolosko-metalurski fakultet, Zavod za metalurgiju gvozda  
i celika i fizicku metalurgiju, Beograd.

BOZIC, B.; MIHAJLOVIC, D.; JOVANOVIC, D.

Aging process of low-carbon steels; abstract. Glas Hem dr  
27 no. 9/10:569 '64

1. Institute for Iron and Steel Metallurgy and Physical  
Metallurgy, Faculty of Technology, University of Belgrade.

BOZIC, Branko,; MIHAJLOVIC, Dragica

Aging of low-carbon steel followed by changes in electric resistance. Glas Hem dr 27 no.7/8:457-463 '62

1. Faculty of Technology, Institute of Iron and Steel Metallurgy and Physical Metallurgy, Beograd.

BOZIC, B.; MIHAJLOVIC, D.; VRAGOVIC, Lj.

Aging process of low-carbon steels; abstract. Glas Hem dr 27  
no. 9/10:570-571 '64

1. Institute for Iron and Steel Metallurgy and Physical  
Metallurgy, Faculty of Technology, University of Belgrade.



BOZIC, Branko; MIHAJLOVIC, Dragica

Ageing of mild steel followed by changes in mechanical properties. Glas Hem dr 28 no. 2: 93-106 '63.

1. Faculty of Technology, Institute for Iron and Steel and for Physical Metallurgy, Beograd.

BOZIC, Gveto

Postvaccinal encephalitis following immunization against smallpox.  
Zdrav.vest., Ljubljana 24 no.4:133-134 1954.

1. Patolosko-anatomski institut v Ljubljani-prestojnik: prof. dr.  
France Hribar.

(ENCEPHALITIS,

postvacc., smallpox)

(SMALLPOX, prevention and control,

vacc., postvacc. encephalitis)

(VACCINES AND VACCINATION,

smallpox, postvacc. encephalitis)

BOZIC, D.

Some experiences in the production of white cheese in the district of Svrljig.

p. 31 (Poljoprivreda. Vol. 4, no. 6, June 1956. Beograd, Yugoslavia)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,  
February 1958

H-18

Bozic, D.

Country : YUGOSLAVIA  
Category : Chemical Technology. Food Industry

Abstr. Jour : Ref Zhur-Khimiya, No 14, 1955, No 51567

Author : Bozic, D.  
Institute : -  
Title : Preparation of Soft White Cheese

Orig Pub. : Tehnika, 1957, 12, No 4, Prehranbena ind., 11, No 4, 49-50

Abstract : The study of raw materials and of individual processing stages involved in the manufacture of soft white cheese revealed the following results. Goat's milk, used in the manufacture of this cheese and originating in certain sections of Yugoslavia, has an average of 03.78° Turner, specific gravity of 1.03528, fat content of 7.41%, caseine content of 5.127% and dry substance content of 17.89%.

Card: 1/3

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