

KARPUNENKOV, Vladimir Pavlovich; SMIRNOV, O.S., red.; BODANOVA,
A.P., tekhn. red.

[Effect of the concentration of a motor vehicle fleet on
the development of automotive transportation] Vliianie
kонтсentratsii gruzovogo parka na razvitie avtomobil'nogo
transporta. Moskva, Avtotransizdat, 1963. 109 p.
(MIRA 16:7)

(Transportation, Automotive--Management)

KARPUNENKOV, V.

Who should be entrusted with loading and unloading operations?
Avt.transp 39 no.1:43-45 Ja '61. (MIRA 14:3)
(Loading and unloading)

VERNIHOVSKIY, I.; KARPUNENKOV, V.

Conference on the outlook for the over-all development of the
the transportation system. Avt.trasp. 39 no.10:31-34 0 '61.
(MIRA 14:10)

(Transportation)

KARPUNENKOV, V.

Automotive transportation in the service of the development of national economy. Avt.transp. 40 no.1:30-33 Ja '62. (MIRA 15:1)

1. Glavnyy spetsialist Gosudarstvennogo ekonomicheskogo Soveta SSSR.
(Transportation, Automotive)

KARFUNICHEV, V.S. (Murmansk, ul. Volodarskogo, d.13, kv.17)

Isolated subcutaneous rupture of the pancreas. Vest.khir. 83 no.8:
136-137 Ag '59. (MIRA 13:1)

1. Iz khirurgicheskogo otdeleniya (nav. - N.S. Androsov) Murmanskoy
oblastnoy bol'nitsy.
(PANCREAS wds. & inj.)

KARPUNICHEV, V.S.

Benign adenoma of the pancreas with manifestations of hyperinsulinism. Khirurgia 37 no.2:112-113 P '61. (MIRA 14:1)

1. Iz onkologicheskogo otdeleniya (zav. V.S. Karpunichev)
Murmanskoy oblastnoy bol'nitsy (glavnyy vrach Z.V. Macharashvili).
(PANCREAS--TUMORS) (HYPERINSULINISM)

KARPUNICHEV, V.S. (Mir'mansk, pr.Lenina, d.11, kv.18)

Resection of the liver in alveolar echinococcosis. Vest.
khir. 90 no.3:50-53 Mr'63. (MIRA 16:10)

1. Iz onkologicheskogo otdeleniya (zav. - V.S.Karpunichev)
Mir'manskoy oblastnoy bol'nitsy (glavnyy vrach - Z.V.
MACHARASHVILI).

(LIVER--HYDATIDS) (LIVER --SURGERY)

KARPUNICHEV, V.S. (Murmansk, prosp. Lenina, d. 11, kn. 18)

Results of sixteen operations on heart wounds. Grud. khir.
l no. 5:103-106 S-0 '61. (MIRA 15:3)

1. Iz khirurgicheskogo otdeleniya i otdeleniya grudnoy
khirurgii (zav. - zasluzhennyy vrach RSFSR P.A. Bayandin)
Murmanskoy oblastnoy bol'nitsy (glavnyy vrach Z.V. Macharashvili).
(HEART—WOUNDS AND INJURIES)

KARPUNICHEV, V.S.

Gastrectomy and esophagoduodenostomy in cancer of the stomach.
Vest. khir. 94 no.2:106-107 F '65. (MIRA 18:5)

1. Iz onkologicheskogo otdeleniya (zav. - V.S. Karpunichev)
Murmanskoj oblastnoy bol'nitsy (glavnyy vrach - A.F. Pavlova).

KARPUNIN, A.M.

AUTHORS: Nikitskaya, V. A. and Karpunin, A.M., Engineers. 368
(Dzerzhinskiy Works).

TITLE: Longitudinal cracks on flanges of railway rails.
(Prodol'nye treshchiny na flantsakh zheleznodorozhnykh
rel'sov).

PERIODICAL: "Stal'" (Steel), 1957, No.4, pp.347-351 (U.S.S.R.)

ABSTRACT: An investigation of the causes of surface defects
on the base and head of rails in the form of cracks
and fissures stretched along the rolling direction,
usually associated with surface bubbles, was investigated.
It was found that the observed defects originate from
longitudinal cracks often present on the bottom part
of the ingots of rail steel. The appearance of the
above cracks on ingots was co-related with the fluidity
of steel and the rate of casting of ingots. With
bottom pouring the optimum temperature is limited to
a narrow temperature range 1470-1475, therefore, the
real solution for the problem is top pouring. From top
poured ingots the yield of the quality rails increases
to 90-92%. There are two tables, 9 figures and 2
Russian references.

KARPUNIN, A.M.

133-6-17/33

AUTHOR: Karpunin, A.M. (Engineer)

TITLE: On rational design of roll passes for rails. (O ratsional'- .
noy kalibrovke rel'sov).

PERIODICAL: "Stal'" (Steel), 1957, ¹⁷ No.6, pp.536-540 (USSR).

ABSTRACT: It is pointed out that in the majority of investigations on the improvement of the quality of rails, studies were limited to the treatment of metal in tee and bed shaped passes while the initial reduction on a blooming mill was not considered. The author, in cooperation with engineers P.M.Chepelev, P.F.Kruglyak, M.K.Dolzhenkova and technicians F.M.Sabutskiy and I.V.Podzerko, carried out an investigation of the influence of the rolling of ingots to semis of various height, i.e., with various ratio of height to width on the quality of rails. It is concluded that on the reduction of ingots on a blooming mill it is necessary to prevent the development of spread and tensile stresses particularly on sectors of faces from which the head and foot of rails is made. The most rational shape of a rail ingot is rectangular, and the foot and head of rails should be formed from narrow faces of the ingot. As at a deep impression of the crown of the lower roll in the first trapezoidal pass a non-uniform deformation in the rail

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133-6-17/33

On rational design of roll passes for rails. (Cont.)
foot takes place and there is a possibility of the formation of hair cracks and cracks with a subsequent decrease in the impact strength of the foot, it is advisable to use low crown - of a height about 20 mm. On increasing the height of the starting billet, the surface of rail improves. However, for the prevention of a deterioration of the mechanical properties of rails, on choosing the height of the semis, the shape of the ingot and the thickness of zone of columnar crystals should be taken into consideration. For better working of the foot in all trapezoidal passes (with low crowns) and for increasing the output of the mill 2-3 trapezoidal passes should be used. The use of spread above 20 mm used in all bed shaped passes should be decreased to 6-8 mm. It would be beneficial to use 5 of such passes. There are 6 figures and 9 references, including 8 Slavic.

ASSOCIATION: Dzerzhynskiy Metallurgical Works. (Metallurgicheskiy Zavod im. Dzerzhinskogo).

AVAILABLE: Library of Congress
Card 2/2

CHEPELEV, P.M., inzh.; KARFONIN, A.M., inzh.

Results of interplant training in manufacturing rails. Divl. TSNICHM
no.21:14-20 '57. (MIRA 11:5)

(Railroads--Rails)

SOV/133-59-3-26/32

AUTHOR: Karpunin, A.M., Engineer

TITLE: The Influence of Slow Cooling on Properties of Bessemer Rails (Vliyaniye zamedlennogo okhlazhdeniya na svoystva Bessemerovskikh rel'sov)

PERIODICAL: Stal', 1959, Nr 3, p 269 (USSR)

ABSTRACT: In order to determine the influence of slow cooling on the mechanical properties of Bessemer rails, a number of specimens of rails from three heats, differing mainly in their carbon content, were cut out. Half of the specimens were cooled under conditions similar to the works' conditions of cooling rails, while the other half was cooled in a specially insulated box pre-heated to 400 - 450 °C - the rate of cooling of which could be controlled. On charging into the box, the temperature of the specimens was 550 - 600 °C. The specimens were cooled in the box, covered with a lid, to a temperature of 150-200 °C during 7 hours and then to atmospheric temperature in 90 minutes in the open box. Measurement of mechanical properties including impact strength at normal and sub-zero temperatures and bending of the rail foot (GOST 5633-51) indicated that

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SOV/135-59-3-26/32

The Influence of Slow Cooling on Properties of Bessemer Rails

slow cooling decreases mechanical properties of Bessemer rails. The experimental results are quoted in the table form in the text.

ASSOCIATION: Zavod im. Dzerzhinskogo (im. Dzerzhinskiy Works)

Card 2/2

ALEKSANDROV, P.A., doktor.tekhn.nauk; BESIDIN, P.T., kand.tekhn.nauk;
FILONOV, I.G.; SOROKIN, A.A.; KARPUNIN, A.M.; CHEPELEV, P.P.

Tempering rail heads along the total length. Put' i put.khoz. 4
no.8:15-16 Ag '60. (MIRA 13:7)

1. Ukrainskiy institut metallov (for Aleksandrov, Sasedin).
2. Glavnyy inzhener Metallurgicheskogo zavoda im. Dzerzhinskogo (for Filonov).
3. Nachal'nik tekhnicheskogo otdela Metallurgicheskogo zavoda im. Dzerzhinskogo (for Sorokin).
4. Nachal'nik metallurgicheskogo zavoda im. Dzerzhinskogo (for Karpunin).
5. Nachal'nik rel'sobalochnogo tsekha Metallurgicheskogo zavoda im. Dzerzhinskogo (for Chepelev).

(Railroads--Rails)
(Tempering)

BESEDIN, P.T.; ORESHKIN, G.G.; SOROKIN, A.A.; KARPUNIN, A.M.; CHEPELEV,
P.M.; VASIL'YEV, A.F.; KUTSENKO, A.D.

Mastering and introducing at the Dzerzhinsk Plant normalizing and
sorbitizing practices for rails along their entire length. Stal'
20 no.10:946-953 0 '60. (MIRA 13:9)

1. Zavod im. Dzerzhinskogo i Ukrainskiy nauchno-issledovatel'skiy
institut metallov.

(Railroads--Rails)
(Dneprodzerzhinsk--Annealing of metals)

MASHKOVTSSEV, R.A.; KARPUNIN, A.M.; Primal uchastiye SABUTSKIY, F.M.

Metal deformation in girder grooves. Izv. vys. uchet. zav.; chern.
met. 4 no.8:89-99 '61. (MIRA 14:9)

1. Dnepropetrovskiy metallurgicheskiy institut i Metallurgicheskiy
zavod im. Dzerzhinskogo.
(Rolling (Metalwork)) (Deformations (Mechanics))

CHEKMAREV, A.P., akademik; MELESHKO, V.I., kand.tekhn.nauk; PAVLOV, V.L.,
kand.tekhn.nauk; CHEKHRANOV, V.D., kand.tekhn.nauk; KARPUNIN,
A.M., inzh.; CHEPELEV, P.M., inzh.

New roughing conditions on 950 blooming mills. Trudy Inst.
chern. met. AN URSR 15:189-199 '61. (MIRA 15:2)

1. Akademiya nauk USSR (for Chekmarev).
(Rolling mills)

SOROKIN, A.A., inzh.; KUTSENKO, A.D., inzh.; KARPUNIN, A.M., inzh.;
REKHLIS, G.N., inzh.; SHCHERBINA, P.A., inzh.; ORGIAN, V.S., inzh.

Rails made of basic Bessemer steel with top oxygen blowing.
Stal' 24 no.5:417-418 My '64. (MIRA 17:12)

1. Dneprovskiy metallurgicheskiy zavod im. Dzerzhinskogo.

KUTSENKO, A.D., dotsent; REKHLIS, G.N., inzh.; SOLOGUB, S.L., inzh.;
KARPUNIN, A.M., inzh.

Effect of the ingot mold design on the quality of Bessemer
steel railroad rails. Stal' 24 no.5:420-423 My '64.
(MIRA 17:12)

1. Dneprovskiy metallurgicheskiy zavod im. Dzerzhinskogo.

PARIMONCHIK, I.B., inzh.; SOROKIN, A.A., inzh.; KUTSENKO, A.D., inzh.;
KARPUNIN, A.M., inzh.; PAVLOVTSEVA, N.I., kand. tekhn. nauk;
~~ROBURNYEV, I.M., inzh.~~; YAKOVLEV, Yu.N., kand. tekhn. nauk;
TRUSEV, A.I., inzh.; ORGIYAN, V.S., inzh.

Improving the flow during metal pouring. Stal' 24 no.5:
425-426 My '64. (MIRA 17:12)

BESEDIN, P.T.; SOROKIN, A.A.; FILONOV, I.G.; KARPUNIN, A.M.;
CHEPELEV, P.M.; SHCHERBINA, P.A.; AVDEYEV, M.G.; KUTSENKO,
A.D.; TSELYUKO, V.I.; CHERNEVICH, Ye.M.; ORGIYAN, V.S.;
CHERNETA, Z.A.

Improving the technology of the heat treatment of rails
at the Dzerzhinskii Plant for the purpose of increasing
their durability in tracks. Stal' 24 no.5:445-448 My '64.
(MIRA 17:12)

1. Dneprovskiy metallurgicheskii zavod im. Dzerzhinskogo i
Ukrainskiy nauchno-issledovatel'skiy institut metallov.

KARPUNIN, A.M.; PROSVIRIN, K.S.; BESEDIN, P.T.; ORGIYAN, V.S.;
BAPTIZMANSKIY, V.I.; SHCHERBINA, P.A.; REKHLIS, G.N.

Rails made of low-alloy, acid, Bessemer steel. Stal' 24
no.5:448-451 My '64. (MIRA 17:12)

1. Dneprovskiy metallurgicheskiy zavod im. Dzerzhinskogo,
Dnepropetrovskiy metallurgicheskiy institut i Ukrainskiy
institut metallov.

RUDKOV, A.K.; KUTSENKO, A.D.; KARPUNIN, A.M.

Ways of raising the quality of railroad rails. Met. i gornorud.
prom. no.1:69-70 Ja-F '65. (MIRA 18:3)

DYUBIN, N.P.; DYUBINA, A.V.; SVIRIDENKO, F.F.; KARPUNIN, A.M.; Primali
uchastiye: LEVCHENKO, N.D.; POPOVA, N.N.; TROFIMOV, V.V.;
SHUBENKO, G.L.; CHETVERIKOV, A.V.; RYABININ, N.G.; ZEMLYANSKAYA,
L.I.; FRADINA, M.G.; ORGIYAN, V.S.; SABUTSKIY, F.M.; MOMGELI, A.V.;
BUL'SKIY, M.T.; FRADIN, M.D.; VALENKO, N.S.; KUCHERYAVYY, Yu.P.;
CHEPELEV, P.M.; SABUROV, T.A.; POLYAKOV, P.M.; MALASHENKO, R.B.

Effect of the temperature of rail rolling on their quality.

Sbor. trud. UNIIM no.11:344-353 '65.

(MIRA 18:11)

COUNTRY : USSR
CATEGORY : Cultivated Plants. Cereals. M
REF. SUR. : RZhBiol., No.14, 1958, No. 53297
AUTHOR : Aurkko, N., Karpunka, I.
INST. : -
TITLE : On the Methods of Soil Tillage for Winter Wheat in the
Central Zone of the Kray.
ORIG. PUB. : Peredov. opyt s. - kh. proiz-va Stavropol'ya, 1957,
iyul' - avg., 12-14
ABSTRACT : No abstract.

Card: 1/1

KARFUNIN, N. S.

Viticulture

Leading state farm. Vin.SSSR 12, No. 6, 1952

- 1952
9. Monthly List of Russian Accessions, Library of Congress, September, 1952, Uncl.

KARPUNIN, N.S.

**Viticulture on collective farms in Kotovskoye District. Vin.
SSSR 15 no.3:47-49 '55. (MIRA 8:8)**

**1. Sekretar' Kotovskogo rayonnogo komite'a kommunisticheskoy
partii Moldavskoy SSR
(Kotovskoye District--Viticulture)**

KARPUNIN, P.

~~Operating an Mi-4 in the desert. Grazhd.av. 14 no.2:24 F '57.~~
(MLRA 10:5)

1. Komandir vertoleta Mi-4.
(Helicopters)

KARPUNIN, P.M.: BOLOTENKO, V.V.

Use of Azotobacter suis culture for swine fattening. Veterinariia
40 no.7:58-59 J1 '63. (MIRA 16:8)

1. Direktor Moskovskoy oblastnoy veterinarnoy laboratorii (for
Karpunin). 2. Zaveduyushchiy proizvodstvennym otdelom Moskovskoy
oblastnoy veterinarnoy laboratorii (for Bolotenko).
(Azotobacter) (Moscow Province--Swine--Feeding and feeds)

OSTROUMOV, V.F.; KARFUNIN, V.A.

Universal machine for the dynamic testing of springs. Zav.lab. 26
no.8:1024-1026 '60. (MIRA 13:10)

1. Izhevskiy mekhanicheskiy institut.
(Springs (Mechanism)--Testing)

OSTROUMOV, Vladimir Pavlovich; KARPUNIN, Vasily Aleksandrovich; BERMISHEV, A.V., kand. tekhn. nauk, retsenzent; WOLKOV, S.D., kand. fiz.-mat. nauk, red.; DUGINA, N.A., tekhn. red.

[Increasing the dynamic strength of springs] Povyshenie dinamicheskoi prochnosti pruzhin. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961. 110 p. (MIRA 14:10)
(Springs (Mechanism))

OSTROUMOV, V.P., kand.tekhn.nauk, dotsent; KARPUNIN, V.A., kand.tekhn.nauk

Testing springs under dynamic loading. Izv.vys.ucheb.zav.;
mashinostr. no.1:64-69 '61. (MIRA 14:4)

1. Izhevskiy mekhanicheskiy institut.
(Springs (Mechanism)--Testing)

81787

S/032/60/026/07/17/055
B015/B068

5.5310

AUTHORS: Smirnov, V. M., Karpunin, V. I.TITLE: Mass Spectrometric Determination²¹ of the Isotope Composition
of Oxygen in Sulfuric Acid

PERIODICAL: Zavodskaya laboratoriya, 1960, Vol. 26, No. 7, p. 831

TEXT: Mass spectrometry was used to determine the isotope O^{18} in sulfuric acid. Sulfuric acid is diluted down to a concentration of 0.05%, 0.05 N $BaCl_2$ solution added, and barium sulfate reduced with spectroscopically pure carbon in a small quartz tube (Fig.) in vacuo (10^{-5} to 10^{-6} torr) at 900-950°C. In the CO_2 formed, the O^{18} content was determined with mass spectrometers of the types MC-1 (MS-1), MC-4 (MS-4), and MH-130 (MI-130). The results show that the O^{18} content in a sulfuric acid sample varies in a range of from 1.52 to 1.62 atcm%. It was studied whether the O^{18} concentration in CO_2 was reduced by diffusion of oxygen through

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KARPUNINA, N.N.

Dynamics of carotene content of the Colorado beetle during its imaginal period of life. Dokl. AN SSSR 137 no.4:961-963 Ap '61.
(MIRA 14:3)

1. Vsesoyuznyy institut zashchity rasteniy. Predstavleno akademikom Ye. N. Pavlovskim.
(Carotene) (Potato beetle)

KARPUNINA, T.T.; KEDROV, L.V.; REPIN, G.N.; SHIBANOV, N.M.

Hygienic evaluation of new types of heat-insulated shoes for
workers in cold storage plants. Gig. i san. 25 no. 6:33-39
Je '60. (MIRA 14:2)

1. Iz Instituta gigiyeny truda i professional'nykh zabolevaniy
AMN SSSR i Tsentral'nogo nauchno-issledovatel'skogo instituta
kozhevenno-obuvnoy promyshlennosti.
(BOOTS AND SHOES) (COLD STORAGE—HYGIENIC ASPECTS)

IVANOV, V.N., kand. tekhn. nauk, dotsent; KARFENIN, Ye.B., inzh.;
YEREMKOV, A.A., inzh.

Universal stand for laboratory investigations of drilling
tools and processes of rock drilling. Izv. vys. ucheb. zav.;
mashinostr. no.11:82-88 '63.

(MIRA 17:10)

1. Moskovskoye vyssheye tekhnicheskoye uchilishche imeni
Baumana.

KARPUN'KIN, I. P.

BOGOSLAVSKIY, R.V., professor; KARPUN'KIN, I.P.

Compound treatment of the terminal state. Vrach.delo no.4:343-346
Ap '57. (MLBA 10:7)

1. Gospital'naya khirurgicheskaya klinika im. prof. V.M.Bogoslavskogo
(zav. - prof. R.V.Bogoslavskiy) Stalinskogo meditsinskogo instituta
i Stalinskaya oblastnaya bol'nitsa.
(RESUSCITATION)

TARANOV, Petr Yakovlevich, KHANUKAYEV, A.N., prof., rezensent;
BUBOK, V.K., rezensent; BOROVNIKOV, V.A., rezensent;
KARPUKOV, Ye.G., rezensent; MISNIK, Yu.M., rezensent;
SMIRNOV, N.A., rezensent; RAZAMAT, V.V., rezensent;
SAVRASOV, L.M., rezensent; YURMANOV, Yu.A., rezensent;
BABICHEV, N.S., rezensent

[Blasting operations] Burovzryvnye raboty. Izd.2. Mo-
skva, Nedra, 1964. 253 p. (MIRA 18:7)

BOROVIKOV, V.A., gornyy inzh.; KARPUNOV, Ye.G., gornyy inzh.; TRET'YAKOV,
Yu.K., gornyy inzh.

Improvement of boring and blasting operations in breaking
down shale in longwall chambers. Vzryv. delo no.54/11:
374-379 '64. (MIRA 17:9)

1. Leningradskiy gornyy institut (for Borovikov, Karpunov).
2. Shakh'ta No.3 kombinata Leningradslanets (for Tret'yakov).

MISHKIN, Yu.M., kand. tekhn. nauk; BOBROV, V.A., inzh.; BOBROV, Yu.G., inzh.

Action of the stress waves in coal and shale. Izv. vyz. ucheb.
zav.; gor. zhur. # no.1:57-62 '65. (MIR 18:3)

1. Leningradskiy ordena Lenina i ordena Trudovogo Krasnogo Znameni
gornyy institut imeni G.V. Plekhanova. Rekomendovana kafedroy bure-
vzryvnykh rabot.

GOLOVIN, G.M., kand. tekhn. nauk; BOROVNIKOV, V.A., inzh.; KARPUNOV, Ye.G.,
inzh.; GRINBERG, I.N., inzh.

Investigating the efficient delay interspaces in short-delay
blasting. Vzryv. delo no.57/14:185-190 '65. (MIRA 18:11)

1. Leningradskiy gornyy institut.

EXCERPTA MEDICA Sec 9 Vol 13/2 Surgery Feb 59

1317. SURGICAL TREATMENT OF TUMOURS OF THE BLADDER (Russian text) -
Karpunkin I. P. - UROL. 1957, 71 (35-39)
Report on 210 cases. Ninety-nine patients were found to have papillomas and 111 had cancer. Benign tumours were treated by electrocoagulation. In 16 cases resection of the bladder wall was performed and in 15 cases transplantation of the urethra into the rectum with cystectomy. Of 52 non-operated patients 30 were inoperable; in the remaining cases deep X-ray treatment was applied. Of 73 patients with benign tumours 58 recovered, 14 had a recurrence and 1 died. Of 47 patients with malignant tumours, 20 recovered, 5 had a recurrence and 22 died. The author recommends partial cystectomy.

(S)

*Hospital Surgical Clinic in Prov V.M. Bogoslavsky
Stalinskogo Med. Inst.*

KARPUS, A. S.

Characteristics of the dynamics of crystal lattices of the ZnS type for compounds with mixed ionic-valence bonding and varying atomic charges. K. B. Tolpygo, E. H. Korol' (15 minutes).

Relation of the electrical properties of Sb_2Se_3 with the crystallo-chemical composition and zone structure. A. S. Karpus, I. V. Batarunas (10 minutes).

Report presented at the 3rd National Conference on Semiconductor Compounds, Kishinev, 16-21 Sept 1963

I 38895-66 EWT(1)/EWT(m)/T/EWP(t)/ETI IJP(c) JD

ACC NR: AP6018579

SOURCE CODE: UR/0181/66/008/006/1962/1963

AUTHOR: Grigas, I. P.; Karpus, A. S. 8/
B

ORG: Vil'nius State University im. V. Kapsukas (Vil'nyuskiy gosudarstvennyy universitet)

TITLE: Features of interaction of a microwave field with single crystals of Sb₂S₃ 21 21

SOURCE: Fizika tverdogo tela, v. 8, no. 6, 1966, 1962-1963

TOPIC TAGS: antimony sulfide, dielectric constant, fiber crystal, dipole moment, ferroelectric property, microwave technology, *electric property, computer calculation*

ABSTRACT: The purpose of the investigation is to obtain the frequency characteristics, structure data, and electric properties of crystals having a complex crystal-chemical structure (Sb₂S₃, Se, etc.). The measurements in the range 9 - 16.5 Gcs consisted in obtaining the real and imaginary parts ϵ' and ϵ'' of the complex dielectric constant of stoichiometric filamentary single crystals of Sb₂S₃, by determining the complex shunt conductance introduced by the filamentary sample in a waveguide in which a H₁₀ mode propagated. The procedure for growing the whiskers was described elsewhere (Lit. fiz. sb. v. 2, 151, 1962). The equations necessary to reduce the measurement data were solved with an electronic computer. The results were compared with the frequency dependence of the complex dielectric constant of n-type silicon. The results showed that in the region of the resonant frequency (1.4×10^{10} cps) there is a sharp anomalous dispersion, where ϵ' decreases rapidly from 295 to -234, and then asymptotically approaches zero with increasing frequency. With decreasing frequency, ϵ'

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L 38895-66

ACC NR: AF6018579

first decreases to 160 and then jumps to ~230 at 1.2×10^{10} cps. The reason for the anomaly is not clear. The value of ϵ'' changes in the range from 9 to 13 Gcs between 15 and 45, but increases approximately 100-fold at the resonant frequency. The causes of the ferroelectric contribution to the dipole moment of the substance are briefly discussed. Orig. art. has: 1 figure and 1 table.

SUB CODE: 20/ SUBM DATE: 20Oct65/ ORIG REF: 004/ OTH REF: 003

Card 2/21/LP

L 07961-67 EWT(m)/EWP(t)/ETI LJP(c) JD

ACC NR: AR6031893 SOURCE CODE: UR/0058/66/000/006/E100/E100

AUTHOR: Audzionis, A. I.; Batarunas, I. V.; Karpus, A. S.; Kudzhmāuskas, Sh. P.

TITLE: Optical properties and band structure of antimony trisulfide single crystals

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B

SOURCE: Ref. zh. Fizika, Abs. 6E788

REF SOURCE: Lit. fiz. sb., v. 5, no. 4, 1965, 481-490

TOPIC TAGS: optic property, absorption coefficient, single crystal, valence band, antimony, antimony trisulfide

ABSTRACT: The authors measured the absorption coefficient of plane-polarized light of thin single-crystal films and Sb_2S_3 single crystals in the photon energy range of 0.6—1.75 ev. It is shown that the maximum of the valence band and the minimum of the conduction band do not coincide. In an approximation of highly bound electrons, models constructed from the energy band structure agree with the experimental data. [Translation of abstract]

SUB CODE: 20/

Card 1/1 *egh*

KARPUS', I.P.:

Morphoanatomical studies on Vinca minor L. from the family Apocynaceae.
Farmatsev. zhur. 16 no.6:48-52 '61. (MIRA 15:5)

1. Kafedra farmakognozii L'vovskogo meditsinskogo instituta, zav.
kafedroy prof. T.F.Bil'chanskiy [Vil'chyns'kyi, T.F.].
(VINCA)

KARPUS', I.P.

Microscopic study of ~~an~~ herb, the perennial larkspur,
(Delphinium elatum L.) of the crowfoot family (Ranunculaceae).
Farmatsev. zhur. 17 no.1:48-53 '62. (MIRA 15:6)

1. Kafedra farmakognozii L'vovskogo meditsinskogo instituta,
zaveduyushchiy kafedroy prof. T.F. Vil'chinskiy [Vil'chyns'kyi, T.F.].
(LARKSPUR)

KARPUS', I.P.

Morphological and anatomical study of *Astragalus dasyantus* Pall.
of the family Leguminosae. *Farmatsev.zhur.* 17 no.4:33-37 '62.
(MIRA 16:3)

1. Kafedra farmakognozii L'vovskogo meditsinskogo instituta
zav. kafedroy - prof. T.F. Bil'chinskiy [Vil'chyns'kyi, T.F.].
(MILK VEICH)

KARPUS', I.P.

Microscopical study of representatives of the genus larkspur
(Delphinium L.) of the family Ranunculaceae, Report No.1.
Farmatsv.zhur. 20 no.1:71-76 '65.

(MIRA 18:10)

1. Kafedra farmakognozii L'vovskogo meditsinskogo instituta.

GUN'KO, A.F.; KARPUS', L.T.; SAMSONENKO, P.A.

Rearing sturgeons at controlled temperatures during the incubation period. Dokl. AN SSSR 141 no.6:1512-1514 D '61. (MIRA 14:12)

1. Azovskiy nauchno-issledovatel'skiy institut rybnogo khozyaystva.
Predstavleno akademikom I.I.Shmal'gauzenom.
(Fish culture) (Sturgeons)

KARFUS, S.I., krovel'shchik; SHENKMAN, I.S., inzh.; DYMZA, Ya., red.;
MIRONOV, A., tekhn.red.

[A roofer discusses his work] Krovel'shchik o svoei rabote.
Riga, Latviiskoe gos.izd-vo, 1961. 132 p.

(MIRA 15:4)

(Roofing)

AKIMENKO, M.; KARPUS', V.

Where virgin land was. Neftianik 5 no.2:8-10 F '60.

(MIRA 14:10)

(Dolina region (Stanislav Province)---Oil fields---Production methods)

WRITE BELOW THIS LINE

ACCESSION NR: AP4044281

S/0304/6A/000/004/0054/0057

AUTHORS: Karpus', V. I. (Engineer); Kodzayev, Yu. I. (Engineer)

TITLE: Compact computing machine "Promin"

SOURCE: Mashinostroyeniye, no. 4, 1964, 54-57

TOPIC TAGS: computer, cybernetics, programming, machine language/ IN1 indicator lamp, Promin' computer

ABSTRACT: The qualitative characteristics of the Promin' computer, developed at the Institut kibernetiki Akademii nauk Ukrainskoy SSR (Institute of Cybernetics, Academy of Sciences, Ukrainian SSR) and placed in production in 1964, are described. Machine computation capabilities include addition, subtraction, multiplication, division, square root extraction, basic and inverse trigonometric functions, hyperbolic functions, logarithms, exponentials, scalar values of vectors, solution of simultaneous algebraic equations, solution of ordinary differential equations, evaluation of definite integrals, solution of transcendental and nonlinear algebraic equations, and others, --a total of 31 operations. The machine is described as being capable of using standard programs with punched-card input, and executing operations at the rate of about 30-40 operations per second. The machine's compactness (console dimensions 1270 x 910 x 780 mm) are praised. The computer uses a Card 1/2

ACCESSION NR: AP4044281

220-volt source, utilizes a single-phase alternating current, and has 2000 triodes and 10 000 diodes. The modular nature of the machine's construction is emphasized; in all, 473 blocks were used in its construction. Machine words are coded in the decimal number system, using four digit positions (zeroes or ones) for each of the decimal ciphers zero through nine. Both fixed and floating point operations are allowed, and the limits of numeric representation are 10^{-10} and 10^9 . Arithmetical operations are performed with two registers, one of which serves as an accumulator. The symbolic programming system uses one address per instruction, and execution takes place in numerical instruction order except for necessary sense branching. Programs in execution are stored in a program memory "matrix", mnemonic codes represent operations for punched-card input and ten instructions per card may be input. Output display utilizes IN-1 indicator lamps. Orig. art. has: 2 figures.

ASSOCIATION: Institut kibernetiki, Akademii nauk Ukrainskoy SSR (Institute of Cybernetics, Academy of Sciences, Ukrainian SSR)

SUBMITTED: 00

ENCL: 00

SUB CODE: DP

NO REF SOV: 000

OTHER: 000

Card 2/2

KARPUS, V. S.

KARPUS, V. S.: "Chromium polythionates". Vil'nyus, 1955. Acad Sci Lithuanian SSR
Inst of Chemistry and Chemical Technology. (Dissertations for the degree of
Candidate of Chemical Sciences.)

SO: Knizhnaya Lotopis' No. 50 10 December 1955. Moscow

KARPUS, V.S.
YANITSKIY, I.V.; KARPUS, V.S.

Chromium polythionate solutions. Zhurnal neorg.khim. 2 no.9:2058-2061
S '57. (MIRA 10:12)

1. Kaunasskiy politekhnicheskiy institut.
(Chromium compounds) (Solution (Chemistry))
(Thionates)

KARPUS, V.S.

YANITSKIY, I.V.; KARPUS, V.S.

Polythionates of certain complex cations of chromium. Zhur.neorg.
khim. 2 no.9:2062-2066 S '57. (MIRA 10:12)

1. Kaunas'kiy politekhnicheskiy institut.
(Chromium compounds) (Thionates)

KARPUSHA, P.P.; VERESHCHAK, I.S.

Reconstructing snapping roll chambers in UKSK-2,6 corn pickers.
Mekh. sil'. hosp. [9] no.5:10-11 My '58. (MIRA 11:6)

1.Melitopol's'kiy institut mekhanizatsii sil's'kogo gospodarstva.
(Corn picker (Machine))

KARFUSHA, P.P.

Devices for the preparation and placement of organomineral fertilizers simultaneously with the planting of corn. Mekh. sil' hosp. 10 no.4: 8-10 Ap '59. (MIRA 12:6)

1.Melitopol'skiy institut mekhanizatsii sel'skogo khozyaystva.
(Planters (Agricultural machinery))
(Fertilizer spreaders)

KARPUSHA, P.P.

Attachment to the KKKh-3 combine for harvesting on weedy fields.
Mekh. sil'.hosp. 12 no.7:21-22 J1 '61. (MIRA 14:6)

1. Melitopol'skiy institut mekhanizatsii sel'skogo khozyaystva.
(Combines (Agricultural machinery)--Attachments))

KARFUSHA, P.P., kand.tekhn.nauk

Theory of ear-snapping rolls with grooved surfaces. Trakt. 1 sel'-
khoz mash. no.3:20-23 Mr '65. (MIRA 18:5)

1. Melitopol'skiy institut mekhanizatsii sel'skogo khozyaystva.

KARPUSHA, V.Ye.; PROTOPOPOV, M.G.; STERNZAT, M.S.; ISHARONOVA, G.S.

The M-45 apparatus for automatic recording of the mean velocity
and direction of winds. Trudy VGO 1954, No. 1, p. 14-18.

(Meteorological instruments) (Winds) (1954:14:2)

3.5800

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S/194/61/000/008/023/092
D201/D304

AUTHORS: Karpusha, V.Ye., Protopopov, N.G., Sternzat, M.S.
and Sharonova, G.S.

TITLE: The M-45 automatic recorder of average wind velocity
and direction

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika,
no. 8, 1961, 18, abstract 8 V152 (Tr. Gl. Geofiz.
observ., 1960, no. 103, 93-102)

TEXT: The wind speed is measured by a 3-cup vane, connect-
ed through a reducing gear selsyn transducer 6C-404 (BS-404). A
similar selsyn is connected to the axis of a weather vane measuring
the wind direction. The automatic recorder is connected to the
unit by an 8-core cable. The average velocity of the wind is deter-
mined from the angle of rotation of the receiving selsyn every 10
minutes by means of a mechanical arrangement. The latter consists
of a reduction gear with a ratchet, whose pawl frees the output

X

Card 1/2

30488

S/194/61/000/008/023/092

D201/D304

The M-45 automatic recorder...

shaft every 10-minute period. The output shaft is connected to the step of the recorder pen which is pressed down by the unbalance weight at the end of every period and then braked. The wind direction is recorded by a 3-pen recording system operated by the receiving selsyn. Only one pen is operated, which is changed every full revolution of the weather vane. The recording is made on a single chart strip drawn by a synchronous motor. The accuracy of the recorder is $\pm 5\%$ for velocity and $\pm 10\%$ for direction. 7 figures. 4 references. [Abstracter's note: Complete translation]

X

Card 2/2

DASHKEVICH, L.L.; SURAZHSKIY, D.Ya.; USOL'TSIN, V.A.; AZBEL', M.Ye.;
BOZHEVIKOV, S.N.; VORZHENEVSKIY, N.S.; MANUYLOV, K.N.;
GLAZOVA, Ye.F.; KARPUSHA, V.Ye.; PROTOPOPOV, H.G.; SHADRINA,
Ye.N.; IGRUNOV, V.D.; NECHAYEV, I.N.; BESPALOV, D.P.;
ILLARIONOV, V.I.; GLEBOV, F.A.; GLAZOVA, Ye.F.; KAULIN, N.Ya.;
GORYSHEV, V.I.; GAVRILOV, V.A.; TIMOFEYEV, M.P., retsenzent;
YEFREMYCHEV, V.I., retsenzent; KRASOVSKIY, V.B., retsenzent;
V'YUNNIK, A.P., retsenzent; STERNZAT, M.S., otv. red.;
RUSIN, N.P., otv. red.; YASNOGORODSKAYA, M.M., red.; VOLKOV,
N.V., tekhn. red.

[Instructions to hydrometeorological stations and posts] Nastavle-
nie gidrometeorologicheskim stantsiam i postam. Leningrad,
Gidrometeoroizdat. No.3. Pt.3. [Meteorological instruments and
observation methods used on a hydrometeorological network] Me-
teorologicheskie pribory i metody nabludeni, primeniemye na
gidrometeorologicheskoi seti. 1962. 295 p. (MIRA 15:5)

(Continued on next card)

DASHKEVICH, L.L.— (continued) Card 2.

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye gidrometeorologicheskoy sluzhby. 2. Glavnaya geofizicheskaya observatoriya Nauchno-issledovatel'skogo instituta gidrometeorologicheskikh priborov i Gosudarstvennogo gidrologicheskogo instituta (for Dashkevich, Surazhskiy, Usol'tsev, Azbel', Bozhevnikov, Vorzhenevskiy, Manuylov, Glazova, Karpusha, Protopopov, Shadrina, Igrunov, Nechayev, Bepalov, Illarionov, Glebov, Glazova, Kaulin, Gorysnin, Gavrilov). 3. Komissiya Glavnogo upravleniya gidrometeorologicheskoy sluzhby pri Sovete Ministrov SSSR (for Nechayev, Usol'tsev, Timofeyev, Yefremychev, Krasovskiy, V'yunnik)
(Meteorology)

Karpusha, Ye. Ye.

USATENKO, Ye. I.; BEKLESHOVA, G. Ye.; GREENBERG, Ye. I.; GENIS, M. Ya.;
KARPUSHA, Ye. Ye.

Amperometric determination of iron and aluminum in bronzes. Zav. lab.
21 no. 1:26-27 '55. (MIRA 8:5)

1. Dnepropetrovskiy khimiko-tekhnologicheskii institut i trubopro-
katnyy zavod im. V. I. Lenina.
(Electrochemical analysis) (Bronze--Analysis)

Karpusha E/B

1991. Determination of titanium by the method of amperometric cupferron. Ya. I. Usatenko, G. E. I. Gremberg, M. Ya. Genis and

In turbidimetric titration with cupferron. Belokobylskaya, E. E. Karpusha

chem 5

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(Doklady Akad. Nauk SSSR, 1956, 1301). The sample (0.2 g) of ferrotitanium is dissolved in 20 ml of mixed acids, prepared from 400 ml of dil. H₂SO₄ (1 + 1), 160 ml of conc. HNO₃, and 300 ml of conc. HCl. The solution is evaporated to fuming to remove HNO₃, completely, and 60 ml of dil. HCl (1 + 5) are added to the cooled residue which is then heated to dissolve the salts. The solution is filtered if necessary and any insol. matter is ignited, treated with HF and H₂SO₄, then fused with K₂S₂O₇, and the solution of the melt is added to the main solution. The solution is diluted to 200 ml in a calibrated flask and a 5-ml aliquot is mixed with 25 ml of water and neutralized to methyl violet with aq. NH₃. Five ml of 1 per cent. EDTA (disodium salt) solution and 5 g of NaCl are added, a rotating platinum electrode and a connection to a S.C.E. are introduced, and the solution is titrated at 0.8 V with cupferron solution. (cf. Anal. Chem., 1956, 8, 1301) for Ti.

(Zashchita i Anal. Khim. Inst.). Zashch. Lab., 1956, 8(7), 528-529. The sample (0.2 g) of ferrotitanium is dissolved in 20 ml of mixed acids, prepared from 400 ml of dil. H₂SO₄ (1 + 1), 160 ml of conc. HNO₃, and 300 ml of conc. HCl. The solution is evaporated to fuming to remove HNO₃, completely, and 60 ml of dil. HCl (1 + 5) are added to the cooled residue which is then heated to dissolve the salts. The solution is filtered if necessary and any insol. matter is ignited, treated with HF and H₂SO₄, then fused with K₂S₂O₇, and the solution of the melt is added to the main solution. The solution is diluted to 200 ml in a calibrated flask and a 5-ml aliquot is mixed with 25 ml of water and neutralized to methyl violet with aq. NH₃. Five ml of 1 per cent. EDTA (disodium salt) solution and 5 g of NaCl are added, a rotating platinum electrode and a connection to a S.C.E. are introduced, and the solution is titrated at 0.8 V with cupferron solution. (cf. Anal. Chem., 1956, 8, 1301) for Ti. G. S. SMITH

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LFI

AL'BREKHT, V.G., prof. (Novosibirsk); KARPUSHCHENKO, N.I., inzh. (Novosibirsk);
Monakhov, B.F., inzh. (Novosibirsk)

Creeping forces during the passage of six-axle gondola cars.
Put' i put. khoz. 8 no.9:36-38 '64. (MIRA 17:11)

AL'BERKHT, V.G., prof.; KARPUSHCHENKO, N.T., Inzh.

Creep of rails caused by the passage of six-axle cars. Put' i put.
khoz. 9 no.9:40 '65. (MIRA 18:9)

KARPUSHCHENKO, V.

When the heart is young. Prof.-tekh.obr. 22 no.9:23-24 S '65.
(MIRA 18:9)

KARPUSHCHENKO, V.

If one compares..... Okhr. truda i sots. strakh. 6 no.11:14-
15 N '63. (MIRA 16:11)

KARFUSHCHENKO, V.

Il'ich was here.... Okhr. truda i sobsh. strakh. 3 no.5:10-12 My
'60. (MIRA 13:12)

(Leningrad--Sanatoriums)

KARPUSHCHENKO, V. (Leningrad)

Workshops change their appearance. Okhr. truda i sots. strakh. 4
no.3:6-7 Mr '61. (MIRA 14:3)

(Leningrad--Steel industry--Hygienic aspects)

(Leningrad--Steel industry--Technological innovations)

KARPUSHCHENKO, V. (Leningrad)

Workers' physician. Okhr.truda i sots.strakh. no.1:58-60
Ja '59. (MIRA 12:2)

(Physicians)

KARPUSHCHENKO, V. (Leningrad)

Worries of foreman Banskchikov. Okhr.truda i sots.strakh.
3 no.6:51-53 Je '60. (MIRA 13:7)
(Leningrad--Smelting--Technological innovations)
(Industrial hygiene)

KARPUSHCHENKO, V.

Advanced workers of the seven-year plan. Mashinostroitel' no.9:14-15
S '61. (MIRA 14:10)
(Leningrad—Machinery industry)

GORSHKOV, Valentin Sergeyevich; KARFUSHCHENKO, Vasilii Makarovich

[From generation to generation] Ot pokolenia k pokoleniu. Leningrad, Lenizdat, 1964. 129 p. (MIRA 18:5)

NIKOLAYEV, I.; KARPUSHENKO, A. nauchnyy sotrudnik

Cash payment helps to strengthen economy. Nauka i pered. op. v.
sel'khoz. 9 no. 12:6-8 D '59. (MIRA 13:4)

1. Sekretar' rayonnogo komiteta kommunisticheskoy partii Sovetskogo
Soyuza (for Nikolayev). 2. Vsesoyuznyy nauchno-issledovatel'skiy
institut ekonomiki sel'skogo khozyaystva (for Karpushenko).
(Collective farms) (Wagon)

KARPOCHENKO, A.

Collection nursery of a training school. Prof.-tekh.obr. 11 no.8:
15 N '54. (MLBA 8:1)

1. Prepodavatel' Klinskogo spetsial'nogo sel'skokhozyaystvennogo
uchilishcha (Moskovskaya oblast')
(Nurseries (Horticulture))

KARPUSHENKO, A.

Made by skillful hands. Prof.-tekh. obr. 19 no.9:26 S '62.
(MIRA 15:10)

1. Metodist pavil'ona "Trudovyye rezervy" na Vystavke
dostizheniy narodnogo khozyaystva SSSR.

(Technical education--Exhibitions)

1965

OKHAPKIN, Konstantin Afanas'yevich, kand.sel'skokhoz.nauk. Primali.uchastiye:
IVIN, I.A., kand.sel'skokhoz.nauk, starshiy nauchnyy sotrudnik; LA-
RIONOV, A.P., kand.ekonom.nauk, starshiy nauchnyy sotrudnik; BRAN'KOV,
P.G., mladshiy nauchnyy sotrudnik; KARPUSHENKO, A.I., mladshiy
nauchnyy sotrudnik; NOVIKOVA, Ye.S., mladshiy nauchnyy sotrudnik;
RUMYANTSEVA, T.V., mladshiy nauchnyy sotrudnik; ARKHIPOVA, V.F.;
VESELOVA, V.I.; ZANTSEVICH, R.M.; KHRAMOVA, A.M.; YELFIMOVA, Ye.V.,
aspirantka. POTAPOV, Kh.Ye., red.; PONOMAREVA, A.A., tekhn.red.

[Economic effectiveness of monetary wages on collective farms]
Ekonomicheskaya effektivnost' denezhnoi oplaty truda v kolkhovakh.
Moskva, Gosplanizdat, 1960: 217 p.

(MIRA 13:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut ekonomiki sel'skogo
khozyaystva (for Ivin, Larionov, Bran'kov, Karpushenko, Novikova,
Rumyantseva, Yelfimova). 2. Nauchno-tekhnicheskiye sotrudniki Vse-
soyuznogo nauchno-issledovatel'skogo instituta ekonomiki sel'skogo
khozyaystva (for Arkhipova, Veselova, Zantsevich, Khramova).
(Wages) (Collective farms)

RUSAKOV, G.K., kand. sel'khoz. nauk; MILYAVSKIY, I.O., kand. sel'khoz. nauk; SHILKO, V.P., kand. sel'khoz. nauk; MARTINENAS, A.N.; BELINSKIY, A.I., agr.-ekonom.; ~~KARPUSHENKO, A.I., agr.-ekon. [deceased]~~; POSMITNYY, V.M., ekonom.; PANCHENKO, Ya.I., agr.-ekonom.; KVACHEV, V.M., agr.-ekonom.; SOBOLENKO, V.S.; KRAVTSOV, D.S., agronom.; LYSOV, V.F., ekonom.; SHLYAKHTIN, V.I., kand. ekon. nauk; TSYBUL'KO, F.Ye.; ORIKHOVSKIY, I.G., agr.-ekonom.; TATUREVICH, N.M., agr.-ekonom.; GARMASH, I.I.; NOSACHENKO, V.F., inzh.-ekonom.; MUKHJISULLIN, Sh.M., agr.-ekonom.; ROZENTSVAYG, A.L., agr.-ekonom.; BERLIN, M.Z., dots.; IVANOV, K.I., agr.-ekonom.; SILIN, A.G., ekonom.; LIKHOT, I.K.; CHANOV, G.I., kand. ekon. nauk; MIKHAYLOV, M.V., kand. ekon. nauk; CORELIK, L.Ya., red.

[Planning and economical operation on collective farms]
Planirovanie i rezhim ekonomii v kol'khozakh. Moskva,
Ekonomika, 1965. 258 p. (MIRA 18:5)

1. Zaveduyushchiy otdelom ekonomiki i organizatsii kol'khoznoego proizvodstva Nauchno-issledovatel'skogo instituta ekonomiki sel'skogo khozyaystva Litovskoy SSR (for Martinenas). 2. Zaveduyushchiy otdelom Stavropol'skogo krayevogo komiteta KPSS (for Likhhot).

KHOL'KIN, Yu.I.; KARPUSHEVA, A.I.

Adsorption of furfurole from aqueous solutions on activated
coals. Zhur. prikl. khim. 38 no.1:226-230 Ja '65.

(MIRA 18:3)

1. Institut lesa i drevesiny Sibirskogo otdeleniya AN SSSR.

OKHAPKIN, K.A., kand.sel'skokhoz.nauk: Prinimali uchastiye: BRAN'KOV, P.G., nauchnyy sotrudnik; RUMYANTSEVA, T.V., nauchnyy sotrudnik; IVIN, I.A., kand.sel'skokhoz.nauk; NOVIKOV, Ye.S.; KARPUSHENKO, A.I.; YELFIMOVA, Ye.I., aspirantka. LAPIDUS, M.A., red.; PROKOP'YEVA, L.N., tekhn.red.

[How to make the transition to monetary wages; aid to collective farm chairmen, economists, and accountants] Kak pereiti na deneshnuiu oplatu; v pomoshch' predsedateliyam kolkhozov, kolkhoznym ekonomistam i bukhgalteram. Moskva, (Gos.izd-vo sel'khoz.lit-ry, 1960. 55 p. (MIRA 13:6)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut ekonomiki sel'skogo khozyaystva. 2. Otdel normirovaniya i oplaty truda Vsesoyuznogo nauchno-issledovatel'skogo instituta ekonomiki sel'skogo khozyaystva (for Bran'kov, Rumyantseva). 3. Vsesoyuznyy nauchno-issledovatel'skiy institut ekonomiki sel'skogo khozyaystva (for Yelfimova). (Collective farms--Income distribution)

9(9)

SOV/107-58-12-17/55

AUTHORS: Tabachkov, N. and Karpushenko, T.,
Instructors

TITLE: "Field Day" 1958 ("Polevoy den'" 1958 goda)

PERIODICAL: Radio, 1958, Nr 12, p 14 (USSR)

ABSTRACT: Results are given of the 1958 "Field Day" All-Union competitions for ultra-short-wave operators for the prize awarded by "Radio" magazine. The main prize was won by last year's winners, the Ufa DOSAAF Radio Club, followed by the radio clubs of Zaporozh'ye and Fergana. K. Kravets, B. Dobarin and N. Isanbayev were among the competitors.

ASSOCIATION: Tsentral'nyy radioklub DOSAAF (Central Radio Club of DOSAAF)

Card 1/1

KARPUSHEVA, A.I.; KHOL'KIN, Yu.I.

Adsorption purification of furfurole with natural sorbents.
Trudy DVFAN SSSR.Ser.khim. no.7:81-84 '65.

(MIRA 18:12)

KARPUSHEVA, V. M., LENCHITSKIY, A. Z., MAKAROV, N. I., AKHUNOV, N. G.,
MAMED-ZADE, U. A.

"The plague with a natural focus in Azerbaidzhan and its preventive treatment." p. 247

Desyatoye Soveshchaniye po parazitologicheskim problemam i prirodnoochagovym boleznyam. 22-29 Oktyabrya 1959 g. (Tenth Conference on Parasitological Problems and Diseases with Natural Foci 22-29 October 1959), Moscow-Leningrad, 1959, Academy of Medical Sciences USSR and Academy of Sciences USSR, No. 1 254pp.

Azerbaidzhan Antiplague Station and the
Antiplague Inst. of the Caucasus and Transcaucasus/Stavropol'

KOVALEV, I.; KATKOV, N.; KARPUSHIN, A.

Reply to M.S. Neiman's article "Radio engineering courses." Izv. vys. ucheb. zav.; radiotekh. 3 no. 4:523 J1-Ag '69. (MIRA 13:10)

1. Kafedra teoreticheskikh osnov elektrotekhniki Ryazanskogo radiotekhnicheskogo instituta.

(Radio--Study and teaching)

L 5408-66 EWT(1)/ETC/EPF(n)-2/EWG(m)/EPA(w)-1/T/EWA(h) LJP(c) AT

ACC NR: AP5027392

SOURCE CODE: UR/0181/65/007/011/3194/3199

AUTHOR: Savvinykh, S. K.; Karpushin, A. A.; Klyachko, B. S.

ORG: Institute of Physics of Semiconductors, SO AN SSSR, Novosibirsk (Institut fiziki poluprovodnikov SO AN SSSR)

TITLE: Interaction between an elastic surface wave and a semi-infinite plasma

SOURCE: Fizika tverdogo tela, v. 7, no. 11, 1965, 3194-3199

TOPIC TAGS: semiconductor theory, piezoelectric crystal, surface wave

ABSTRACT: Attenuation due to interaction between a piezoelectric field and the free carriers in a semiconductor is calculated for an elastic wave traveling along a piezoelectric-semiconductor interface for two simple surface models: the "mirror" interface and the diffuse interface. It is assumed that the plane $z = 0$ is the interface between a piezoelectric crystal and a semiconductor with no piezoelectric properties filling the space $z > 0$, that the semiconductor has a single type of carrier with rms dispersion and is non-degenerate, and that both the semiconductor and piezoelectric crystal are elastically isotropic, the piezoelectric crystal be-

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longing to the cubic class T (or T_d) whose piezoelectric tensor is expressed in terms of a single constant

$$\beta_{x, yz} = \beta_{y, xz} = \beta_{z, xy} = \beta_{x, yz} = \beta_{y, xz} = \beta_{z, xy} = \beta$$

while all components with coincident indices are equal to zero. It is further assumed that the piezoelectric effect is weak. Two cases are considered: 1. the piezoelectric crystal fills the entire semispace, and 2. the piezoelectric crystal occupies a layer of thickness h . The authors are sincerely grateful to E. G.

Batyev, A. P. Kazantsev and V. L. Pokrovskiy for discussing the work. Orig. art. has: 28 formulas. ^{44,55} _{44,55}

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