LOSHAKOV, L.N.

Calculation of a system of two parallel coupled helical ines.
Radiotekhnika 16 no.10:20-25 O '61. (MIRA 14:10)

1. Deystvitel'nyy chlen Nauchno-tekhnicheskogo obshchestva radiotekhniki i elektrosvyazi imeni Popova.
(Electromagnetic waves) (Radio lines)

AL'TSHULER, Yu.G.; TATARENKO, A.S.; LOSHAKOV, L.N., retsenzent; MASHAROVA, V.G., red.; BELYAYEVA, V.V., tekhn. red.

[Low-power backward-wave tubes] Lampy maloi moshchnosti s obratnoi volnoi. Moskva, Izd-vo "Sovetskoe radio," 1963. 295 p. (MIRA 17:2)

L 10261-63 EWT(1)/BDS--AFFTC/ASD

ACCESSION NR: AP3000561 S/0109/63/008/005/0800/0806

AUTHOR: Loshakov, L. N.; Pchel'nikov, Yu. N. 1 5/

TITLE: Approximate evaluation of the traveling-wave tube gain with a heavy-current parameter

SOURCE: Radiotekhnika i elektronika, v. 8, no. 5, 1963, 800-806

TOPIC TAGS: TW tube gain

ABSTRACT: Pierce's evaluation of TW-tube gain may be crude because it does not allow for the parameters of the bunch and the system, which is important in the case of medium-power tubes. A better approximation is offered, based on a solution of the characteristic equation of the propagation factors. Simple formulas are developed for evaluating the maximum gain, under linear conditions, with high values of the current and with rather low coefficients of coupling between the delay line and the electron stream. In this case the maximum gain is determined by the square root of the coupling coefficients and by the fourth-power root of the electron-stream density. Orig. art. has: 45 equations.

Card 1/1

LOSHAKOV, Lev Nikolayevich; PCHEL'NIKOV, Yuriy Nikitich; IVANUSHKO, N.D., red.

[Theory and calculation of the gain of a traveling-wave tube] Teoriia i raschet usileniia lampy s begushchei volnoi. Moskva, Sovetskoe radio, 1964. 238 p. (MIRA 17:9)

AP4019100

oshakov, L. N., Ol'derogge, Ye. B., ...

Possibility of obtaining a negative depression factor in TW tubes ... International Microwave Electronics Congress, Paris, 1964)

...otekhnika i elektronika, v. ..., no. 4 ...

TOPIC TAGS: TW tube, depression factor, dispersion equation

ABSTRACT: It was stated in previous authors' works (Rad. i elektronika, 1960, ... 1963, 4 ... 1670) that ... in a TW tube ... a particular case when ... the Bessel function are small. In this case, the trans... equation (1) of the TW tube ... approximately

Card 1/2

L 10709-65
ACCESSION NR: AP5010100

of the latter yields this formula for the depression factor:

$$\Gamma = -\frac{(a\tau_0)^2 \ln \frac{1,12}{a\tau_0}}{2 - \frac{1}{\ln \frac{1,12}{a\tau_0}}},$$

whose values may be negative. Peculiarities of behavior of the TW tube, under negative Γ conditions, are analyzed by a numerical solution of the characteristic [illegible] addition to the usual field amplification, the TW tube, when its [illegible] ity is varied may amplify the [illegible]

SUBMITTED: 16Mar64 ENCL: 00 SUB CODE: EC

OTHER:

L 29197-66 JXT(EX)

ACC NR: AP6008287 SOURCE CODE: UR/0109/66/011/003/0503/0513

AUTHOR: Loshakov, L. N.; Ol'derogge, Ye. B.

17
B

ORG: none

TITLE: Calculating the coupling factor and depression factor for a ribbon helix when the electron beam interacts with the field of one of spatial harmonics

SOURCE: Radiotekhnika i elektronika, v. 11, no. 3, 1966, 503-513

TOPIC TAGS: TW tube, electron tube

ABSTRACT: Design formulas are developed and some numerical values calculated of the coupling factor and depression factor for the case when the electron beam interacts with the field of a spatial harmonic in a ribbon-helix-type delay system. A dispersion equation is set up for a single- or multi-start ribbon helix placed in a homogeneous nonabsorbing medium. Boundary conditions at the helix are

Card 1/2

UDC: 621.385.6.001.24

formulated according to D. A. Watkins ("Topics in Electromagnetic Theory," NY, 1958, p. 52). Finally, very complicated general formulas for the coupling and depression factors are developed. Numerical values of both factors, for a/b = 0.9 and 0.4, are calculated; a is the electron-beam radius and b is the helix radius. These values show that the depression factor for (a BW tube with) a two-start ribbon helix is of the same order as the depression factor of an anisotropic conducting surface replacing the helix. Orig. art. has: 5 figures, 58 formulas, and 1 table.

SUB CODE: 09 / SUBM DATE: 25Nov64 / ORIG REF: 004 / OTH REF: 001

LOSHAKOV, N.I. (Moscow); SHAKHMAYEV, N.M.

A useful book; "Home-made physical instruments." A.I.Glazyrin. Reviewed by N.M.Shakhmaev, N.I.Loshakov. Fiz. v shkole 14 no.4: 80-82 Jl-Ag '54. (MLRA 7:7)
(Physical instruments) (Glazyrin, A.I.)

LOSHAKOV, N.I.

BOTBINNIKOV, Aleksandr Davidovich; LOSHAKOV, N.I., redaktor; RODIONOVA, Z.A. redaktor; DZHATIYEV, S.G., tekhnicheskiy redaktor.

[Manual for teachers of drawing] Spravochnik dlia uchitelei cherchcniia. Moskva, Gos.uchebno-pedagog.izd-vo M-va prosv.RSFSR, 1956. 19 p. 100 tables of diagr., symbols, plans. (MLRA 10:6)
(Drawing--Instruction)

LOSHAKOV, P. Ya

FRIDMAN, Rudol'f Arkad'yevich; MASLOVA, Ye.F., redaktor; KNUNYANTS, I.L., akademik, retsenzent; VOYTKEVICH, S.A., kandidat khimicheskikh nauk, retsenzent; LOSHAKOV, P.Ya., inzhener, redaktor, retsenzent; CHEBYSHEVA, Ye.A., tekhnicheskiy redaktor

[Perfumery] Parfiumeriia. Izd. 2-e, perer. i dop. Moskva, Pishchepromizdat, 1955. 526 p. (MLRA 9:4)
(Perfumery)

VOROB'YEV, S.A., prof.; KRUPENINA, A.P., kand. sel'skokhoz. nauk; LOSHAKOV, V.G., kand. sel'skokhoz. nauk; VOZNESENSKIY, K.N.; KUDIN, V.I.; KOBLEV, Yu.M.; YEFIMOV, I.T., kand. sel'skokhoz. nauk; MASANDILOV, E.S., kand. sel'skokhoz. nauk; NAFTALIYEV, Sh.P., aspirant; PANASYUK, B.A., aspirant

Concentration of crop rotations. Zemledelie 27 no.7:55-70 Jl '65. (MIRA 18:7)

1. Moskovskaya sel'skokhozyaystvennaya akademiya imeni K.A. Timiryazeva (for Vorob'yev, Krupenina, Loshakov). 2. Glavnyy agronom po kormam Ministerstva sel'skogo khozyaystva Tadzhikskoy SSR (for Voznesenskiy). 3. Brestskaya oblastnaya sel'skokhozyaystvennaya opytnaya stantsiya (for Kudin). 4. Adygeyskaya oblastnaya sel'skokhozyaystvennaya opytnaya stantsiya (for Koblev). 5. Krasnodarskiy nauchno-issledovatel'skiy institut sel'skogo khozyaystva (for Yefimov). 6. Dagestanskiy nauchno-issledovatel'skiy institut sel'skogo khozyaystva (for Naftaliyev). 7. Ukrainskaya sel'skokhozyaystvennaya akademiya (for Panasyuk).

KRUPENINA, Anna Petrovna, kand. sel'khoz. nauk; LOSHAKOV, Vladimir Grigor'yevich; VOROB'YEVA, S.A., prof., red.; SHULEYKIN, P.A., red.; ATROSHCHENKO, L.Ye., tekhn.red.

[Soil and postharvest crops] Zemlia i promezhutochnye kul'tury. Moskva, Izd-vo "Znanie," 1963. 46 p. (Narodnyi universitet kul'tury: Sel'skokhoziaistvennyi fakul'tet, no.4) (MIRA 16:3)

(Field crops)

VOROB'YEV, S.A., doktor sel'skokhozyaystvennykh nauk, prof.; KRUPENINA, A.P., kand. sel'skokhozyaystvennykh nauk; LOSHAKOV, V.G., aspirant

Postharvest crops and the fertility of turf-Podzolic soils. Izv. TSKHA no.4:16-32 '63. (MIRA 17:1)

LOSHAKOV, Yu.T., assistant

Hygienic basis for determining the maximum permissible concentration of flotation reagents (butyl xanthogenate, cresyl dithiophosphate, pine oil and terpineol) in reservoirs. Gig.i san. 25 no.11:12-18 N '60. (MIRA 14:1)

1. Iz kafedry kommunal'noy gigiyeny Khar'kovskogo meditsinskogo instituta.

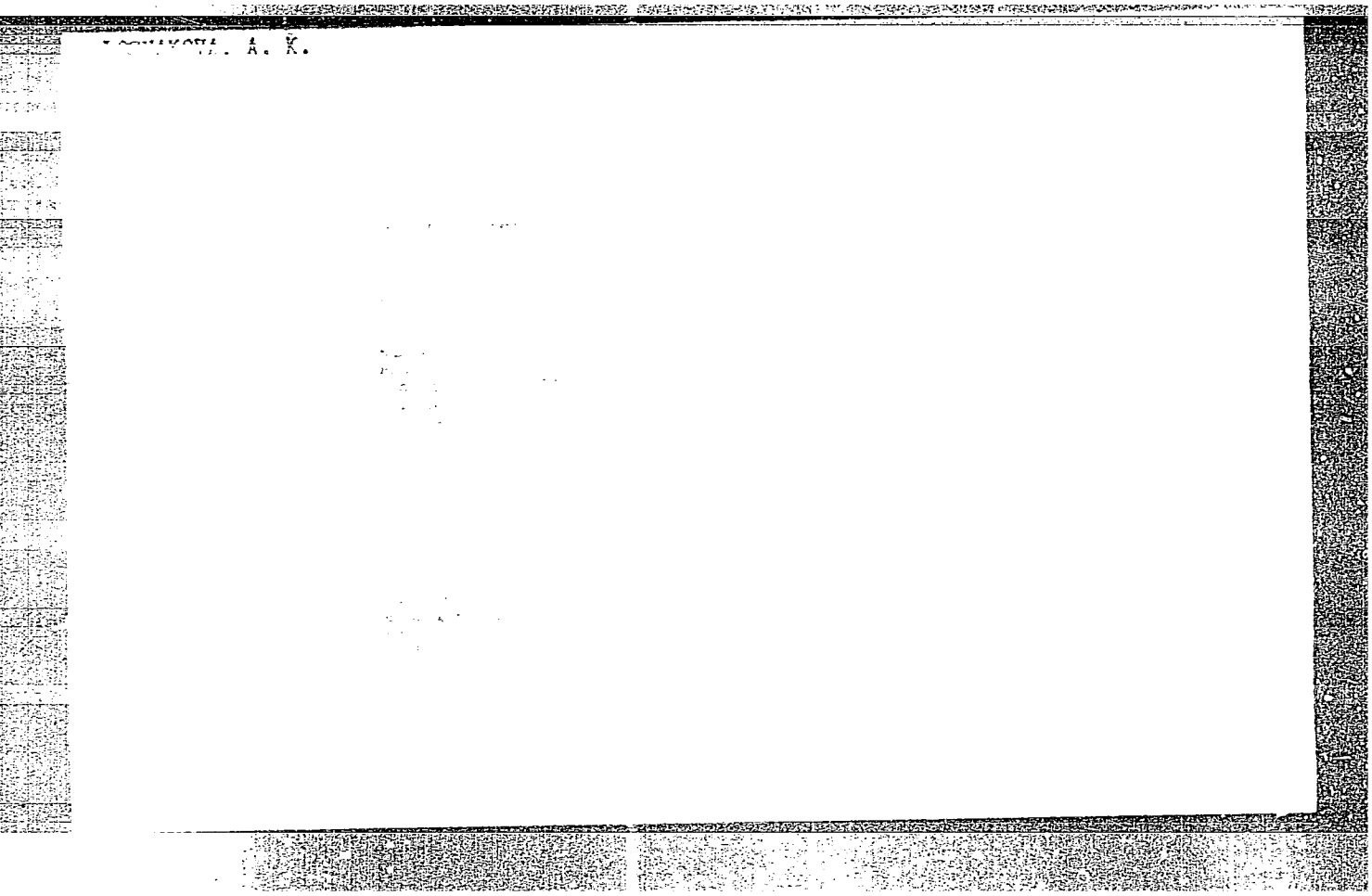
(WATER--ANALYSIS)

LOSHAKOV, Yu. T., Cand Med Sci, "Hygienic ~~basis~~ substantiation of maximum permissible concentrations of flotation agents (butylic xanthogenate, cresyl dithiophosphate, pine oil, and terpineol) in water of reservoirs." Khar'kov, 1961. (Khar'kov State Med Inst). (KL, 2-61, 218).

LOSHAKOV, Yu.T., assistant

Waste waters from nonferrous ore dressing plants and their effect on water reservoirs; experimental study. Trudy Khar. med. inst. no.50:328-333 '62. (MIRA 19:1)

1. Kafedra kommunal'noy gigiyeny (zav. - , prof. V.M.Zhabotinskiy) Khar'kovskogo meditsinskogo instituta.



LOSHAKOVA, A.K.

137-1958-1-84

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 1, p 15 (USSR)

AUTHORS: Lebedev, B. N., Loshakova, A. K.

TITLE: On the Problem of Treatment of Dressing Plant Middlings by the Methods of Hydrometallurgy (K voprosu pererabotki polimetallicheskikh promproduktov obogatitel'nykh fabrik gidrometallurgicheskimi metodami)

PERIODICAL: KazSSR Gylym Akad. khabarlary, Izv. AN KazSSR. Ser. gornogo dela, metallurgii stroitel'stva i stroymaterialov, 1957, Nr 4 (15), pp 66-73

ABSTRACT: The results of investigations into the employment of hydrometallurgical methods on 9 samplings of middlings of varying composition obtained in the dressing of complex polymetallic ores at the concentrating plants of Kazakhstan are presented. The investigation was conducted primarily with the object of selective, successive leaching of the various components of the middlings. In order to convert sulfide minerals into more soluble compounds, the middlings were sometimes subjected to roasting for purposes of oxidation or chlorination. Employment of hot NaCl solution with slight admixtures of $FeCl_3$ or H_2SO_4

Card 1/2

137-1958-1-84

On the Problem of Treatment of Dressing Plant Middlings (cont.)

is a rational method of leaching Pb compounds. Aqueous or saline leaching of the ash resulting from oxidizing or chlorinating roasting may be used to leach Cu and Zn, while cyanidation may be used to recover Au and Ag. Three procedures for the processing of middlings, in accordance with the content of the components to be recovered, are adduced and described in detail.

A. Sh.

1. Ores--Processing--Materials 2. Ores--Purification

Card 2/2

Loshakova, A.K.

SOV/137-58-8-16699

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 8, p 67 (USSR)

AUTHOR: Loshakova, A.K.

TITLE: Behavior of Silver Chloride in Chloride Solutions (Povedeniye khloristogo serebra v khloridnykh rastvorakh)

PERIODICAL: Izv. AN KazSSR. Ser. gorn. dela, metallurgii, str-va i stroymaterialov, 1957, Nr 5 (16), pp 37-51

ABSTRACT: The behavior of AgCl in aqueous chloride solutions and the effect of CuCl, $CuCl_2$, $FeCl_2$, $FeCl_3$, $PbCl_2$, $ZnCl_2$, and chloride mixtures upon the behavior of AgCl in NaCl solutions is studied. The behavior of AgCl was studied by taking isotherms and polytherms of its dissolution in chloride solutions. The experiments were run with stirring of the AgCl with corresponding chloride solutions in test tubes under thermostatically-controlled conditions. The best solvents for AgCl are solutions of $FeCl_2$ and NaCl. Addition of CuCl and $CuCl_2$ makes for an increase in the concentration of AgCl in strong solutions of NaCl. The presence of $FeCl_2$ significantly strengthens the concentration of AgCl in NaCl solutions of various concentrations

SOV/137-58-8-16699

Behavior of Silver Chloride in Chloride Solutions

at temperatures > 60°. $FeCl_3$ and $PbCl_2$ in NaCl solutions excercise no significant influence upon the concentration of AgCl. In concentrated NaCl solutions, $ZnCl_2$ sharply reduces the concentration of AgCl. The investigation performed makes it possible to find the best conditions for leaching Ag-containing materials with chloride solutions.

N.P.

1. Chloride solutions--Chemical effects
2. Silver chlorides--Chemical reactions

Card 2/2

LOSHAKOVA, A.K., Cand Tech Sci -- (diss) "Chloride lixiviation - one of the methods of complex treatment of polymetallic industrial products." Alma-Ata, 1958 14 pp with drawings (Acad Sci KaSSR. Inst of Metallurgy and Concentration) 100 copies (KL, 32-58, 108)

LEBEDEV, B.N.; LOSHAKOVA, A.K.

Extracting valuable components from tailings in Altai ore dressing plants. Trudy Inst.met. i obogoshch. 1:88-94 '59. (MIRA 12:5)

(Altai Mountains--Ore dressing) (Nonferrous metals)

LOSHAKOVA, A.K.; LEBEDEV, B.N.

Treatment of chloride solutions. Izv.AN Kazakh.SSR.Ser.met. obog.i ogneup. no.2:21-25 '60. (MIRA 13:8)
(Lead chloride) (Leaching)

LEBEDEV, B.N.; LOSHAKOVA, A.K.

Gold recovery from complex ore wastes. Izv.AN Kazakh.SSR. Ser.met.obog.i ogneup. no.2:26-29 '60. (MIRA 13:8)
(Gold) (Ore dressing)

LEBEDEV, B.N.; ZAZUBIN, A.I.; LOSHAKOVA, A.K.; IPPOLITOVA, M.V.; SAVRUKOVA, G.D.

Treatment of lean complex ores. Izv.AN Kazakh.SSR.Ser.met.obog.i ogneup. no.2:43-49 '60. (MIRA 13:8)
(Ore dressing)
(Nonferrous metals—Metallurgy)

ACC NR: AP6036786 (N) SOURCE CODE: UR/0363/66/002/011/1966/1969

AUTHOR: Loshakova, G. V.; Plechko, R. L.; Vaypolin, A. A.; Pavlov, B. V.; Valov, Yu. V.; Goryunova, N. A.

ORG: Physicotechnical Institute im. A. F. Ioffe, AN SSSR (Fiziko-tekhnicheskiy institut AN SSSR); Kiev Pedagogic Institute (Kievskiy pedagogicheskiy institut)

TITLE: Production and some properties of the semiconductor compounds $ZnSnP_2$ and $CdSnP_2$

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 2, no. 11, 1966, 1966-1969

TOPIC TAGS: zinc containing alloy, tin containing alloy, cadmium containing alloy, phosphorus containing alloy, semiconductor alloy

ABSTRACT: Previous attempts to obtain $ZnSnP_2$ from a mixture of components taken in stoichiometric ratio yielded a product containing a mixture of phases, including the ternary compound $ZnSnP_2$, but also zinc and tin phosphides. The present article describes a method for producing single phase $ZnSnP_2$ by crystallization from a dilute solution in tin. The initial weighed portion consisted of zinc, tin, and phosphorus, in which the tin was taken in large excess over the stoichiometric amount. After heating to a temperature of 870°C and slow cooling in an evacuated quartz ampoule, the

UDC: 537.311.33

Card 1/2

ACC NR: AP6036786

$ZnSnP_2$ was separated from the tin. The remaining thin film of tin on the $ZnSnP_2$ crystals was dissolved in concentrated nitric acid. The crystals of $ZnSnP_2$ were a dark gray color, and were 3 x 1, 5 x 0.5 mm in size. Analogous experiments with $CdSnP_2$ showed that it could be produced from a dilute solution in cadmium. X ray analysis of the compounds obtained made it possible to determine the type of crystal structure, the lattice constants, and the microhardness; these values are listed in tabular form. It was shown also that $ZnSnP_2$ has a considerable amount of chemical resistance to a number of mineral acids, including nitric, hydrochloric, sulfuric, and hydrofluoric, while $CdSnP_2$ has very little resistance to these acids. Orig. art. has: 1 figure and 2 tables.

SUB CODE: 11, 20/ SUBM DATE: 23Dec65/ ORIG REF: 001/ OTH REF: 002

Card 2/2

L 1059-66 EWT(m)/EPF(c)/ETC/EWG(m)/T/EWP(t)/EWP(b) IJP(c) DS/JD

ACCESSION NR: AR5006994 S/0275/65/000/001/A002/A003

621.385.7

SOURCE: Ref. zh. Elektronika i yeye primeneniye. Sv. t., Abs. 1 A12

AUTHOR: Kozyrev, B. P.; Loshakova, V. V.

TITLE: Sphere method for determining the total radiation factor of oxides

CITED SOURCE: Izv. Leningr. elektrotekhn. in-ta, vyp. 52, 1964, 91-99

TOPIC TAGS: oxide cathode, total radiation factor

TRANSLATION: The sphere method used for determining the total radiation factor of an oxide-coated cathode has a great advantage in that it permits uniform heating of the radiating surface by means of a small electric heater and also permits exact evaluation of the surface size. A hollow-sphere specimen is prepared from the test material, and a helical heater is inserted into the sphere. Thusly mounted sphere is placed into a vacuum envelope. As the measurements are made in a high vacuum, the power radiated by the sphere can be regarded as equal to the total power supplied to the heater. The surface temperature of the specimen is measured by an optical pyrometer, thermocouple, or by some other means. The effect

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L 1059-66

ACCESSION NR: AR5006994

of temperature on the total radiation factor of pure nickel, various backings for oxides, and modern oxides up to 100 micron thick was investigated. The results show that the radiation comes not only from the surface of the oxide coating but also from its depth layers and also from the base metal and those barrier layers which are formed at the base-oxide boundary during the process of cathode activation. Bibl. 3.

SUB CODE: GP, EC ENCL: 00

Card 2/2 DP

ACC NR: AP7002666 SOURCE CODE: UR/0109/67/012/001/0087/0092

AUTHOR: Kozyrev, B. P.; Buznikov, A. A.; Loshakova, V. V.

ORG: none

TITLE: Transparency of oxide coating of cathodes in electron tubes

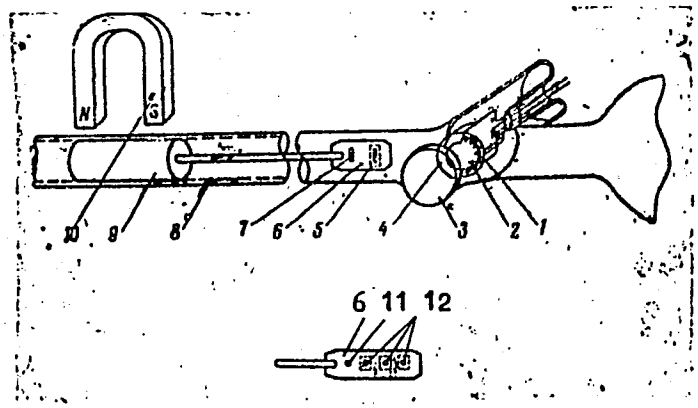
SOURCE: Radiotekhnika i elektronika, v. 12, no. 1, 1967, 87-92

TOPIC TAGS: alkaline earth oxide, electron tube cathode, transparency

ABSTRACT: The transparency of oxide-coating samples prepared from (Ba, Sr, Ca) CO_3 subjected to the conventional nickel-backing cathode calcination was measured in a special 10^{-6} -torr vacuum device (see figure). Parts: 1 - thermoelectric converter, 2 - its receiving area, 3 - inlet window, 4 - shield, 5 - oxide coating, 6 - nickel plate, 7 - slit, 8 - calibrated tube, 9 - iron cylinder, 10 - magnet, 11 - open port, 12 - oxide-covered ports. The spectral transparency of the coating was measured, at wavelengths within 1.5—9μ, by an IKS-12 spectrometer on samples 60-, 120-, 180-μ thick (density, 1.3 g/cm^3). Also, the integral transparency for black-body radiation at 500—1000C was determined. The results are

Card 1/2 UDC: 621.385.032.001.512

ACC NR: AP7002666



Special vacuum device for measuring transparency of oxide coating

shown graphically. Although the transparencies were measured at room temperature, the results are regarded as applicable to hot-cathode operating conditions (600—900C) on the basis of recent U. P. Oppenheim et al. experiments (J. Opt. Soc. Am., 1964, 54, 1, 127). "In conclusion, the authors wish to thank V. S. Parkhomenko for his help in selecting test specimens." Orig. art. has: 4 figures.

SUB CODE: 09 / SUBM DATE: 14Jul65 / ORIG REF: 005 / OTH REF: 004

Card 2/2

YERMOLAYEV, A.; LOSHCHAGINA, Ye.

G.M.Komarov's helical cutter. Mashinostroitel' no.2:24 F '63. (MIRA 16:3)

(Metal-cutting tools)

LOSHCHAGINA, Ye.; YERMOLAYEV, A.

Contribution of innovator N.F.IAanchevskii. Mashinostroitel' no.8:3 Ag '62. (MIRA 15:8)
(Milling machines--Technological innovations)

LOSHCHAGINA, Ye.

Tables with pneumatic clamps. Mashinostroitel' no.3:28 Mr '63. (MIRA 16:4)

(Technological innovations)

ZAYCHENKO, P.A.; LOSHCHAGINA, Ye.I.

Kirov Plant workers reach new frontiers. Mashinostroitel' no.1: 6-7 Ja '62. (MIRA 15:1)

(Leningrad--Machinery industry)

LOSHCHAGINA, Ye. I.

Women at the Kirov Plant in Leningrad. Mashinostroitel' no.3:34-36 Mr '62. (MIRA 15:3)

(Women--Employment)

YERMOLAYEV, A. A.; LOSHCHAGINA, Ye. I.

Fitting and repair shop foreman G. N. Nikitin. Mashinostroitel' no.12:5 D '62. (MIRA 16:1)

(Leningrad—Machinery industry)

SOV/121-58-10-6/25

AUTHOR: Loshchak, M. Z.
Marakin, N.F.

TITLE: Variable Delivery High Pressure Plunger Pump (Reguliruyemyy plunzhernyy nasos vysokogo davleniya)

PERIODICAL: Stanki i Instrument, 1958, Nr 10, pp 19-20 (USSR)

ABSTRACT: A high pressure variable delivery plunger pump, developed by the Nr 7 Design Office of the Engineering Industry Administration of the Khar'kov Economic Council (Konstruktorskoye byuro No.7 Upravleniya mashinostroyeniya Khar'kovskogo sovnarkhoza), is illustrated in cross-section and described. The pump, intended for hydraulic presses with slow ram motion, varies its delivery in accordance with the pressure in the system. The working principle is an eccentric cam, whose rotation operates the plungers and which is located and driven by two short pins fitted into diametrially opposed radial holes in the central driving shaft. The shaft is hollow and has a pin sliding in its central bore. The central pin has two sloping faces

Card 1/2

Variable Delivery High Pressure Plunger Pump

produced by two opposed unequal-V-grooves milled across the pin. The radial pins butt with their inner spherical end faces against the slopes in the V-grooves of the central pin. The axial displacement of the move in the same direction and so to change the eccentricity of the cam. At 1450 rpm, the pump is designed for a maximum pressure of 320 kg/cm^2 and a maximum output of 12 l/min. The central control pin is displaced by the output pressure working against a coil spring. There is 1 illustration.

LOSHCHAKOV, A.

New stage in the development of the world system of socialism. Vop. ekon. no.1:3-12 Ja. '61. (MIRA 13:12)
(Communism) (Economic conditions)

LOSHCHAKOV, A.I.

Approximation method of the interpretation of the Za magnetic field. Izv. AN SSSR Ser. geofiz. no.5:766-768 My '63. (MIRA 16:6)

1. Ministerstvo geologii i okhrany nedr SSSR, laboratoriya aerometodov.

(Magnetism, Terrestrial)

LOSHCHAKOV, A.I.

Using aeromagnetic surveying in solving certain geological problems of the Siberian Platform. Razved. i okh. nedr. 30 no.8:41-45 Ag '64. (MIRA 17:10)

MAVRODIADI, V.; LOSHCHILOV, G.

Industrial devices for measuring L, C, and R. Radio no.9:57-60 S '61. (MIRA 14:10)
(Electric measurements)

LOSHCHAKOV, Konstantin Aleksandrovich

[Repair of machine-tractor station equipment on all-year schedule; experience of the Dmitrashkovka Machine-Tractor Station, Vinnitsa Province] Remont mashynno-traktornoho parku za tsilorichnym hrafikom; z dosvidu Dmitrashkivs'koi MTS, Vynnyts'koi oblasti. Kyiv, Derzh. vyd-vo sil's'kohospodars'koi lit-ry URSR, 1956. 42 p. (MLRA 10:9)
(Machine-tractor stations)

LOSHCHAKOV, K.A., inzh.

Causes of the excessive consumption of crankcase oil in bulldozer and excavator engines. Mekh. stroi. 20 no.4:21-23 Ap '63. (MIRA 16:3)

(Bulldozers--Lubrication)
(Excavating machinery--Lubrication)

LOSHCHAKOV, K.A., inzh.

Electric heating of running water. Zhivotnovodstvo 21 no.10:14 O '59. (MIRA 13:2)

1. Stalinskoye oblastnoye upravleniye sovkhozov.
(Water heaters)

LOSHAKOV, P. P.; PHYSICIAN

"Age Changes in the Structure of Ribs at Various Levels of the Human Chest." Thesis for degree of Cand. Medical Sci. Sub. 20 Jun 49, Second Moscow State Medical Inst. imeni I. V. Stalin.

Summary 82, 18 Des 52, Dissertations Presented For Degrees in Science and Engineering in Moscow in 1949. From Vechernyaya Moskva, Jan-Dec. 1949.

LOSHCHAKOV, P. P.

Robs----

Growth-variation in structure of the ribs in various thoracic levels. Uch. zap. Vt. mosk. med. inst., 2, 1951

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

LOSHCHAKOV, P.P.

Joints and ligaments of the costovertebral joints in man; growth variability of the apparatus and its relation to modifications of the expiratory function. Arkh. anat., Moskva 30 no.2:60-66 Mar-Apr 1953. (CIML 24:3)

1. Of the Department of Normal Anatomy (Head -- Honored Worker in Science P. P. D'yakonov, deceased) of the Pediatric Faculty of Second Moscow Medical Institute imeni I. V. Stalin.

USSR / Human and Animal Morphology (Normal and Pathological). Muscles.

Abs Jour : Ref Zhur - Biologiya, No 1, 1959, No. 2982

Author : Loshchakov, P. P.
Inst : 2nd Moscow Medical Institute
Title : Morphological Characteristics of Iliocostal Muscles Taking Part in the Expiratory Function of the Thorax in Humans

Orig Pub : Uch. zap. 2-y Mosk. med. in-t, 1957, 4, 137-144

Abstract : Studies were conducted on 40 human cadavers of various age and the morphology of iliocostal muscles (ICM) is described in relation to age. In children during first year of life ICM are not prominent and are attached to the inferior edge of the ribs. In the following years ICM become stronger and their tendons elongate. The points of attachment of the medial tendon

Card 1/3

USSR / Human and Animal Morphology (Normal and Pathological). S
Muscles.

Abs Jour : Ref Zhur - Biologiya, No 1, 1959, No. 2982

fibers move from the lower to the upper edge of the ribs. Marked changes begin at the age of 4. In adults the tendon fibers of ICM are attached to the external surface of the angles of the ribs along a broken line which goes from the inferior edge upwards and medially to the superior edge of the ribs; an exception is formed by 2 lower bundles which are attached along a horizontal line to the inferior edge of the XII and XI ribs. The tendons which are attached to the XII ribs are short and broad and, while they spread upwards, they become longer and narrower. M. Iliocostalis lumborum begins from an immobile support on a larger surface than the support of M. iliocostalis dorsi which originates from mobile segments of the thorax. The distance between the heads of ribs and the point of

Card 2/3

USSR / Human and Animal Morphology (Normal and Pathological). S
Muscles.

Abs Jour : Ref Zhur - Biologiya, No 1, 1959, No. 2982

attachment of ICM tendon bundles is the largest at the IX segment of the thorax. From the IX to the last and to the first ribs this distance becomes smaller.

Card 3/3

LOSHAKOVA, V.A.

Effect of self-pollination and intravarietal transpollination on the productivity of forage beans. Dokl. Akad. sel'khoz. nauk no.10:17-20 O '65.

(MIRA 18:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kormov.

GELLER, Boris Petrovich; KUZIN, Mikhail Yakovlevich; LOSHCHENKOV, Vadim Yakovlevich; LEVITSKIY, Bentsion Aron[illegible]; ALEKSEYEV, V.K., spets. red.; VOLOSHCHENKO, Z N., red.

[Financing and calculations in construction; consultations and explanations] Finansirovanie i raschety v stroitel'stve; konsul'tatsii i raz"iasneniia. Kiev, Budivel'nyk, 1964. 199 p. (MIRA 17:10)

1. Ukraine. Gosudarstvennyy komitet po delam stroitel'stva.

TSVETKOV, V.N., kand. tekhn.nauk, dotsent; LOSHCHAKOVA, L.A., inzh.

Modulus of elasticity of stiff leather. Izv.vys.ucheb.zav.; tekh.leg. prom. no.3:81-89 '61. (MIRA 14:7)

1. Moskovskiy tekhnologicheskiy institut legkoy promyshlennosti.
(Leather)

LOSHCHENOV, V. I.

"Elimination of Large Shrinkage Heads on Steel Castings as a Method for Economizing on Electric Power Consumption," Prom. Energet., No.7, 1948.

Mbr., Ural Machine Factory, -c1948-.

Loshchenov, V. I.

USSR/Medicine - Preventive, in Industry FD-1867

Card 1/1 Pub. 102-2/15

Author : *Loshchenov, V. I.

Title : Measures for further improvement of working conditions in the (foundry) cleaning shop of Ural machine shop

Periodical : Sov. zdrav., 2, 10-14, Mar-Apr, 1955

Abstract : The author of this article describes how absenteeism, due to accidental injuries and illness, was reduced in the Ural machine-building plant, one of the largest in Sverdlovsk. Combined efforts of administrative personnel and workers of the medical-sanitary branch of the plant and of welfare workers of the community, during the past 2 years, resulted in elimination of conditions causing silicosis, tuberculosis, gastro-intestinal disorders, and diseases of the respiratory tract. To reduce incidence of infection of the upper respiratory tract all workers have to undergo systematic treatment in the inhalatorium of the plant. Smorodintsev's serum has been used to prevent influenza. In October, 1954 active vaccination of all workers against influenza was inaugurated.

Institution: (*Shop Foreman) Ural Heavy Machine Building Plant

Submitted : December 9, 1954

SABIRZYANOV, T.G.; ABROSIMOV, Ye.V.; TERZIYAN, P.G.; MOISEYENKO, A.I.; LOSHCHEV, V.Ya.; KONDRASHOV, M.M.; DANILOV, D.D.

Optimum conditions and charging and preheating in the open-hearth scrap and hot metal practice. Izv. vys. ucheb. zav.; chern. met. 7 no.11:66-70 '64. (MIRA 17:12)

1. Moskovskiy institut stali i splavov.

MOISEYENKO, A.I.; LOSHCHEV, V.Ya.; KURBATSKAYA, G.P.

Open-hearth smelting using blast furnace sinter and ore and limestone briquets instead of lump ore. Stal' 24 no.10: 885-889 O '64. (MIRA 17:12)

1. Kommunarskiy metallurgicheskiy zavod.

POLYAKOV, V.F.; MOISEYENKO, A.I.; LOSHCHEV, V.Ya.; TERZIYAN, P.G.

Production of semikilled and capped steel in 500-ton open-hearth furnaces. Met. i gornorud. prom. no.1:65-67 Ja-F '65. (MIRA 18:3)

MEDZHIBOZHSKIY, M.Ya., doktor tekhn. nauk; KURAPIN, B.S.; GEYNEMAN, A.V.; DVORYANINOV, V.A.; MOISEYENKO, A.I.; LOSHCHEV, V.Ya.

Nitrogen-content in the metal during the blowing of the open-hearth furnace bath with compressed air. Met. i gorno. d. prom. no.6:23-26 N-D '65. (MIRA 18:12)

ACC NR: AP7007583 SOURCE CODE: UR/0432/66/000/001/0005/0007

AUTHOR: Avdeyev, S. V.; Loshchilin, A. P.; Osadchiy, A. Kh.

ORG: none

TITLE: Experience in the application of electronic-hydraulic regulators of the 'Teploavtomat' system for automation of thermal processes at electric power stations

SOURCE: Mekhanizatsiya i avtomatizatsiya upravleniya, no. 1, 1966, 5-7

TOPIC TAGS: thermoelectric power plant, electric generator

SUB CODE: 10

ABSTRACT: The processes of supply and firing a 50t steam generating unit were automated at the Kursk thermal electric power station in 1964 on the basis of an electronic-hydraulic control system produced by the Khar'kov "Teploavtomat" plant. The automation system includes control of feeding, fuel (primarily natural gas), air and exhaust. This article presents a brief description of the regulatory system, plus a photograph of the electronic control units on the control panel. A year's usage has demonstrated the high reliability of the system, without a single failure having occurred. Also, with instantaneous changes of load of up to 70% of nominal, all parameters were retained within the permissible limits. An increase in efficiency of 0.7-1% was noted, plus a fuel economy of about 4%. Orig. art. has: 2 figures. [JPRS: 36,741]

Card 1/1 UDC: 62.551.4

LOSHCHILIN, Andrey Vasil'yevich; TERENT'YEV, Nikolay Konstantinovich; TYURIKOV, Aleksandr Ivanovich; RAKITIN,G.A., retsenzent; OZEMBLOVSKIY, Ch.S., retsenzent; SHCHERBACHEVICH, G.S., retsenzent; SMUSHKOV,P.I., retsenzent; SHILKIN,P.M., retsenzent; FEDOSEYEV,N.P., retsenzent; RESHETNIKOV, V.Ye., retsenzent; PESKOVA,L.N.,red.; ZHDANOV,P.A.,red.; KHITROV, P.A., tekhn. red.

[Safety engineering and industrial sanitation in railroad transportation; handbook]Tekhnika bezopasnosti i proizvodstvennaia sanitariia na zheleznodorozhnom transporte; spravochnaia kniga. Pod obshchei red. P.A.Zhdanova. Moskva, Vses.izdatel'sko-poligr.ob"edinenie M-va putei soobshcheniia, 1961. 455 p. (MIRA 14:12)

(RAILROAD--SAFETY MEASURES) (RAILROADS--SANITATION)

L 24495-65 EEO-2/FSS-2/EWT(1)/EWA(d)/EWA/EWP(t)/FCS(k)

ACCESSION NR AM5002713 BOOK EXPLOITATION 16 S/

Grechikhin, Aleksey Fedorovich (Colonel); Loshchilov, Andrey Kapitonovich (Colonel)

Fire control of motorized rifle units (Upravleniye ognem motostrelkovykh podrazdeleniy), Moscow, Voyenizdat M-va oboron. SSSR, 1964, 162 p. illus., 13,000 copies printed.

TOPIC TAGS: fire control system

PURPOSE AND COVERAGE: This book is intended for officers and noncommissioned officers of motorized artillery, reconnaissance, landing, training school subdivisions, higher general command schools and it has the purpose of helping them in problems of fire control. It cites elements of fire control systems and, using concrete examples, considers the organization and methodology for conducting studies with noncommissioned officers and officers and also makes recommendations for developing their skills in fire control.

TABLE OF CONTENTS [abridged]:

Foreword -- 3
Part 1. Principles of fire control

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L 24495-65

ACCESSION NR AM5002713

0

Ch. I. Organization of fire -- 6
Ch. II. Fire control -- 48
Part 2. Organization and methodology for conducting studies on fire control
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Ch. IIII. Organization and methodology for conducting studies on fire control of subdivisions that are advancing -- 105
Ch. V. Organization and methodology of conducting studies on fire control of subdivisions in the rear -- 131
Ch. VI. Developing the skills of noncommissioned officers and officers in the fire control of motorized artillery subdivisions -- 147

SUBMITTED: 10Mar64 SUB CODE: MA

NO REF SOV: 000 OTHER: 000

Card 2/2

LOSHCHILOV, G.V.

Comparative effect of nihexin and nicotinic acid used in psychiatric clinics in treating cerebral atherosclerosis. Trudy 1-go MMI 25:190-197 '63. (MIRA 17:12)

1. Kafedra psikhiatrii 1-go Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova (zav. kafedroy prof. V.M.Banshchikov).

ORBACHEVSKAYA, V.D.; TERYAYEVA, N.G.; LOSHCHILOV, G.V.

Use of gerovital in treating cerebral atherosclerosis with mental disorders. Trudy 1-go MMI 25:198-207 '63.

(MIRA 17:12)

1. Kafedra psikhiatrii 1-go Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova (zav. kafedroy prof. V.M.Banshchikov).

TROFIMOV, Georgiy Vladimirovich, dots.; POPKOV, Yuriy Nikolayevich, dots. Prinimal uchastiye LOSHCHILOV, M.Ya., inzh.; ZURKOV, P.E., prof., doktor tekhn. nauk, red.

[Collection of problems on open-pit mine haulage] Sbornik zadach po kar'ernomu transportu. Moskva, Nedra, 1965. 203 p. (MIRA 18:11)

LOSHCHILOV, V.I., aspirant

Residual stresses due to the welding of reinforcements for reinforced concrete constructions. Izv. vys. ucheb. zav.; mashinostr. no.2:231-236 '63. (MIRA 16:8)

1. Moskovskoye vysshaye tekhnicheskoye uchilishche imeni Baumana.

LOSHCHILOV, V.S.

Snow cover on the ice of the central Arctic. Probl. Arkt. i Antarkt. no.17:36-45 '64. (MIRA 18:4)

BUSHUYEV, A.V.; LOSHCHILOV, V.S.

"Album of ice formations in seas." Okeanoligiia 1 no.3:564-565 '61. (MIRA 16:11)

L 07235-67 EWT(1)/FSS-2 IJP(c) JGS/GW/GD

ACC NR: AT6026455 (N) SOURCE CODE: UR/0000/66/000/000/0188/0192

AUTHOR: Loshchilov, V. S.

ORG: none

TITLE: Interpretation of sea ice structures from aerial photographs

SOURCE: AN SSSR. Mezhduvedomstvennaya komissiya po aeros"yemke. Teoriya i praktika deshifrirovaniya aerosnimkov (Interpretation of aerial photographs in theory and practice). Moscow, Izd-vo Nauka, 1966, 188-192

TOPIC TAGS: photo interpretation, aerial photography, sea ice

ABSTRACT: During the past 20 years of systematic ice movement registration in arctic seas, the observations have been carried out basically by visual methods. However, the random errors of visual observation attain 30 to 60% in the case of ice continuity determination and 20 to 50% during the estimate of the quantity of perennial ice. Aerial photographs thus complement, to a certain degree, the direct work of man; they remain, however, an auxiliary means because of the large scope of the task, long laboratory processing times, prolonged interpretation, and high cost of the photographic method. The paper discusses in particular the peculiarities of sea ice identification from aerial photographs, and the prospects for further development of aerial methods for the study of ice covers (improvements in photographic methods and in aircraft guidance).

SUB CODE: 14,08/ SUBM DATE: 21Jan66

Card 1/1

AR5004...

SOURCE: Ref. zh. Fizika, Abs. 11Zh392

Loshchilov, Yu. A.

...me features of the scattering ... by meteor trails

CITED SOURCE: Sb. Meteorn. rasprostr. radiovoln. No. 1, Kazan', Kazansk. un-t, 1963, 101-110

TOPIC TAGS: meteor observation, meteoric radio scatter, meteor trail classification

TRANSLATION: It is shown that the classification of meteor trails with account of the peculiarities of scattering of radio waves by the trails, as proposed by ... and Closs (T. R. Kaiser and R. L. Closs, Philosophical Magazine, 1952, 43, ...), is not absolute. ... particular group ... overdense, underdense, ... the ... of the minimum ...

Card 1/2

L 26467-65

ACCESSION NR: AR5004879

for overcondensed trails, with account of the initial radius r'0, makes it possible to redetermine the limiting value of the electron density in the track q, and to prove that Manning and Eshliman (RZhGFiz, 1961, 7G35) were wrong in stating that it is independent of the frequency. A criterion is established by which to distinguish between undercondensed and overcondensed trails, depending on the wavelength λ of the radar and on r'0, namely [illegible] the electron.

L 20262-63 EWT(d)/FCC(w)/BDS/T-2 APGC/ASD/ESD-3/IJP(C)/SSD Pg-4/Pk-4
ACCESSION NR: AP3007653 Pg-4/Pg-4 S/0286/63/000/011/0061/0062
GG/MLK(a)

AUTHOR: Loshchinin, A. A.

TITLE: Multichannel voltage-to-code converter. Class 42, No. 155033

SOURCE: Byul. izobret. i tovarn. znakov, no. 11, 1963, 61-62

TOPIC TAGS: multichannel voltage to code converter, voltage to code converter, code to voltage converter, comparison circuit, control circuit, reversible counter, counter

ABSTRACT: An Author Certificate has been issued for a multichannel converter of voltage into code (schematic diagram shown in Fig. 1 of the Enclosure). It is designed as a feedback circuit containing comparison and control circuits, a reversible counter, a commutator at the output, and a code-to-voltage converter. To reduce operating time, a second voltage-to-code converter providing a rough reading is connected between the commutator and the reversible counter. Orig. art. has: 1 figure.

ASSOCIATION: none

Card 1/3

LOSHCHININ, A.V.; TERESHIN, V.S., tekhnicheskiy inspektor

Pay more attention to safety measures in the plans themselves. Transp. stroi. 11 no.8:31-33 Ag '61. (MIRA 14:9)

1. Zaveduyushchiy otdelom okhrany truda TSentral'nogo komiteta profsoyuza rabochikh zheleznodorozhnogo transporta (for Loshchinin).

(Building--Safety measures)

LOSHCHININ, A.V.; TERENT'YEV, N.K.; TYURIKOV, A.I.; AFANAS'YEV, Ye.V., retsenzent; PROKHOROV, A.A., retsenzent; PESKOVA, L.N., red.; ZHDANOV, P.A., red.; BOBROVA, Ye.N., tekhn.red.

[Safety measures and industrial hygiene in railroad transportation] Tekhnika bezopasnosti i proizvodstvennaia sanitariia na zheleznodorozhnom transporte; spravochnaia kniga. Izd.2., dop. Moskva, Transzheldorizdat, 1963. 535 p. (MIRA 17:2)

LOSHCHILIN, D. A.

PA 16T78

USSR/Boilers, Low Pressure Jun 1947
Water systems

"Effect of the Water System on the Choice of Construction of Low - pressure Boilers," D. A. Loshchilin, 7 pp

"Energeticheskiy Byulleten'" No 6

Discusses the boiler water system, the classification of low-pressure boilers, choice of type of low-pressure boilers, boilers of from 0.5 to 1 ton per hour, boilers producing 1 to 2.5 tons of steam per hour, boilers producing 2 to 6.5 tons of steam per hour, and data on the sediment tanks and drums.

16T78

LOSHCHILIN, P. I., Engr

PA 35/49T38

USSR/Engineering
Water - Softening
Boilers

Sep 48

"An Experiment in the Use of Intraboiler Water Softening in Shielded, Low-Pressure Boilers," P. I. Loshchilin, Engr, 4 pp

"Za Ekonomiyu Topliva" No 9

Studied the effect of inner water softening on the operation of a Dobrin boiler, VVD-140/13.

[redacted]

35/49T38

LOSHCHILIN, P. I., inzh.

Hydraulic-membrane valve for converting chemical water purification filters to operation with automatic or remote control. Energetik 10 no.8:6-8 Ag '62. (MIRA 15:10)

(Water—Softening) (Feedwater purification)

SAVCHENKO, S.S., general-mayor; ALEKSANDROV, A.A., polkovnik; GRECHIKHIN, A.A., polkovnik; KOZLOV, A.F., polkovnik; KOZLOV, A.F., polkovnik; LOVI, A.A., polkovnik; LOSHCHILOV, A.A., polkovnik; MOLOCHKOV, A.K., polkovnik; MUTSYNOV, S.S., polkovnik; SEMIKOLENOV, N.P., polkovnik; SUDAKOV, S.V., polkovnik; SHINKAREV, G.M., polkovnik; VIL'CHINSKIY, I.K., polkovnik, red.; SOLOMONIK, R.L., tekhn. red.

[Methods of preparation to use weapons; firearms and grenade launchers]Metodika ognevoi podgotovki; strelkovoe oruzhie i granatometry. Moskva, Voenizdat, 1962. 318 p. (MIRA 16:2)

1. Russia (1923- U.S.S.R.)Armiya. Sukhoputnye voyska. Upravleniye boyevoy podgotovki voysk svyazi.
(Russia---Army---Firearms) (Grenades)

BOBROV, L.; VASILEVSKIY, V.; VLASOV, L.; DRAGUNOV, E.; KAPUSTINSKAYA, K.; KARELIN, V.; LOSHCHILOV, G.; MAKARENYA, A.; MEDVEDEV, Yul.; ROMAN'KOV, Yu.; SENCHENKOVA, T.; SENCHENKOV, A.; TRIFONOV, D.; ANTOYUK, L., red.; LESHCHINSKAYA, G., tekhn. red.

[Journey into the land of the elements] Puteshestvie v stranu elementov. [By] L. Bobrov i dr. Moskva, "Molodaia gvardiia," 1963. 366 p. (MIRA 16:10)

(Chemical elements)

LOSHCHILOV, M.

USSR/ Electronics - Radio testing instruments

Card 1/1 Pub. 89 - 28/32

Authors : Loshchilov, M.

Title : Radio repair tool kit for radio specialists

Periodical : Radio 2, 56 - 57, Feb 1955

Abstract : A description is presented of a radio repairman's tool box, repair tools and testing instruments, such as the "GS-24" signal generator used for aligning or servicing radio receivers and amplifiers, and the "VOK-2" voltameter for measuring DC and AC current voltages. Table; circuit diagrams; illustrations.

Institution: .....

Submitted: .....

LOSHCHILOV, M.A.

Optical graduating heads and boards having dual numbering on scales. (MLRA 10:8)
Izm. tekh. no.4:22-23 Jl-Ag '57.
(Optical instruments) (Calibration)

LOSHCHILOV, M.A., inzh. (g.Rostov-na-Donu)

Planning of irrigated lands. Gidr. i mel. 14 no.10:55-58 O '62. (MIRA 15:11)

(Irrigation farming—Congresses)

BRODSKIY, A. Ya.; LOSHCHILOV, V. I.

Resistance of welded butt joints in large diameter 35GS steel reinforcement rods. Avtom. svar. 16 no.3:28-33 Mr '63. (MIRA 16:4)

1. TSentral'nyy nauchno-issledovatel'skiy institut stroitel'nykh konstruktsiy Akademii stroitel'stva i arkhitektury SSSR.

(Concrete reinforcement--Welding)
(Welding--Testing)

ACC NR: AR7004875 SOURCE CODE: UR/0276/66/000/009/B066/B066

AUTHOR: Loshchilov, V. I.

TITLE: Ultrasonic joining of metal coated with a plastic film

SOURCE: Ref. zh. Tekhnologiya mashinostroyeniya, Abs. 9B445

REF SOURCE: Sb. tr. Mosk. vyssh. tekhn. uch-shcha im. N. E. Baumana, no. 5, 1965, 67-69

TOPIC TAGS: ultrasonic welding, metal welding, metal coating

ABSTRACT: Metalloplast is strip steel coated with a plastic film. Currently, the mechanical methods principally used for joining metalloplast strip are riveting and rolling-in, as well as resistance projection welding. However, these methods have been found to be rather inefficient. Tests were made at the Welding Laboratory of MVTU im. Bauman to determine the possibility of applying ultrasonic welding to metalloplast strip. The essence of the method is that ultrasonic vibrations are passed through two metalloplast strips (with polyvinylchloride sandwiched between them) at specific pressures. These vibrations act on the

Card 1/2 UDC: 534.8:621.791

ACC NR: AR7004875

polyvinylchloride film, which becomes a weld joint. It was established that under optimum ultrasonic welding conditions, the minimum destructive load reaches 40 kg which corresponds to a shearing stress of 150 kg/cm^2. Orig. art. has: 3 figures. L. Tikhonova. [Translation of abstract] [AM]

SUB CODE: 11, 13, 14/

Card 2/2

LOSHCHILOV, V. S. Cand Geog Sci -- (diss) "Method of under-water stereophotography in studies of the ice blanket." Len, 1957. 15 pp (Arctic Sci Res Inst. Main Adminstration of the Northern Sea [redacted] of the Min of Maritime Fleet USSR), 110 copies (KL, 4-58, 81)

Loshchilov, V.S.

PHASE I BOOK EXPLOITATION SOV/[illegible]

Leningrad. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy [illegible]

Problemy Arktiki i Antarktidy; sbornik statey, vyp. 1 [illegible] Antarctic; Collection of Articles, No. 1) [illegible] 1959. 123 p. Errata slip inserted. [illegible] copies printed.

Additional Sponsoring Agency: USSR. Ministerstvo morskogo flota. [illegible] severnogo morskogo puti.

Resp. Ed.: V.V. Frolov; Editorial Board: [illegible] (Deputy Resp. Ed.), [illegible] V.V. Larrov; I.V. [illegible], A.I. [illegible] L.P. [illegible].

PURPOSE: The publication is intended for [illegible] interested in the study of the Arctic [illegible]

COVERAGE: This collection of 17 articles [illegible] Scientific Research Institute [illegible] Arctic Seas, atmospheric circulation [illegible] drifting ice, the intensity of cosmic [illegible] in ice reconnaissance. Tables of instrumental [illegible] sea reversing thermometers are included. [illegible]

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ZDANOVICH, V.G., doktor tekhh. nauk, prof.; RAMM, N.S., kand. tekhn. nauk, st. nauchnyy sotr.; SHARIKOV, Yu.D., kand. tekhn. nauk, st. nauchnyy sotr.; YANUTSH, D.A., kand. tekhn. nauk, st. nauchnyy sotr.; CHERKASOV, I.A., kand. tekhn.nauk; ALEKSEYEV-SHEMYAKIN, V.P., nauchnyy sotr.; KOL'TSOV, V.V., nauchnyy sotr.; KOSHECHKIN, B.I., nauchnyy sotr.; SEMENCHENKO, I.V., nauchnyy sotr.; UGLEV, Yu.V., nauchnyy sotr.; KUZINA, A.M., starshiy laborant; KUDRITSKIY, D.M., kand. tekhn. nauk, dots., retsenzent; VEYNBERG, V.B., doktor tekhn. nauk, retsenzent; LOSHCHILOV, V.S., kand.geogr. nauk, retsenzent; REKHTZAMER, G.R., kand. tekhn.nauk, dots., retsenzent; KOZLYANINOV, M.V., kand. geogr. nauk, retsenzent; BUSHUYEV, A.V., inzh., retsenzent; ZAMARAYEVA, R.A., tekhn. red.

[Use of airborne methods to study the sea] Primenenie aerometodov dlia issledovaniia moria. Pod obshchei red. V.G.Zdanovicha. Moskva, Izd-vo Akad. nauk SSSR, 1963. 546 p. (MIRA 16:4)

1. Akademiya nauk SSSR. Laboratoriya aerometodov. 2. Laboratoriya aerometodov Akademii nauk SSSR (for Zdanovich, Ramm, Sharikov, Yanutsh, Cherkasov, Alekseyev-Shemyakin, Kol'tsov, Koshechkin, Semenchenko, Uglev, Kuzina).
(Aeronautics in oceanography) (Aerial photogrammetry)

L 47383-66 EWT(m)/EWP(v)/T/EWP(t)/ETI/EWP(j)/EWP(k) IJP(c) JD/HM/RM/RH

ACC NR: AR6029641 SOURCE CODE: UR/0282/66/000/006/0092/0092

AUTHOR: Loshchilov, V. I.; Mozgovoy, I. V.

TITLE: Ultrasonic welding of articles manufactured from polymer materials

SOURCE: Ref. zh. Khimicheskoye i kholodil'noye mashinostroyeniye, Abs. 6.47.614

REF SOURCE: Sb. tr. Mosk. vyssh. tekhn. uch-shcha im. N. E. Baumana, v. 5, 1965, 74-80

TOPIC TAGS: ultrasonic welding, welding equipment, plastic welding

ABSTRACT: The advantages of ultrasonic welding of plastics, as compared with other welding procedures, are investigated. A description is given of the equipment for ultrasonic welding of plastics, developed at the MVTU im. N. E. Baumana. Orig. art. has: 7 figures and a bibliography of 3 reference items. [AM]
[Translation of abstract]

SUB CODE: 11, 13/

Card 1/1 mjs UDC: 678.5.029.43:621.034

L 45375-66 FSS-2/EWT(1)/T IJP(c) JGS/GD/GW
ACC NR: AT6024963 (N) SOURCE CODE: UR/0000/65/000/000/0128/0139

49
B+1

AUTHOR: Loshchilov, V. S.

ORG: none

TITLE: Use of underwater stereophotogrammetric surveying to investigate the ice cover

SOURCE: AN SSSR, Okeanograficheskaya komissiya. Sektsiya podvodnykh issledovaniy. Razvitiye morskikh podvodnykh issledovaniy (Development of underwater marine research) Moscow, Izd-vo Nauka, 1965, 128-139

TOPIC TAGS: sea ice, stereoscopic photography, photogrammetry, underwater camera

ABSTRACT: To obtain a stereoscopic pair of photographs in water it is necessary that the photographs of the object be taken from two different points of space by one camera in sequence or by two cameras simultaneously, that the difference in surveying scales does not exceed 16-20%, that one photograph should be observed by each eye, that the photographs should be arranged so that the visual rays intersect, and that the angle of intersection of the visual rays (parallactic angle) should not exceed 30° or be less than 15°. This article is devoted to the peculiarities of stereophotogrammetric surveying in water, the technique of measuring stereophotogrammetric coordinates from photographs obtained in the water, the accuracy of stereophoto-

Card 1/2

L 45373-66

ACC NR: AT6024963

grammetric measurements, the selection of equipment and demands made on it, and the method of underwater surveying and its analysis. Depending upon the problem and conditions of conducting underwater surveying the camera can be adapted for operation by a diver or from the surface. To investigate the ice cover, cameras for surveying from the surface of the ice were manufactured. The paired cameras used for this purpose are described. The camera was installed on a rod which ensured its stability in the water and thus photographs with a long exposure (up to 2 min) could be taken. As a result, it was possible to survey the ice without artificial illumination to depths of 10 m under solid ice up to 1.5 m thick. The photographic quality of the photographs in most cases was quite satisfactory. The area of use of the method is not limited to geological, hydrobiological, and ichthyological investigations. Of particular interest is to combine an underwater television camera with a stereoscopic photographic camera. Orig. art. has: 4 figures and 1 formula.

SUB CODE: 14,08/SUBM DATE: 06Dec65/ ORIG REF: 003/ OTH REF: 001

Card 2/2 awm

LOSHCHILOV, Yu.A.

Nuclear double refraction of fast neutrons. Uch. zap. Kaz. un. 117 no.9:165-166 '57. (MIRA 13:1)

1.Kazanskiy gosudarstvennyy universitet im. V.I. Ul'yanova-Lenina. Kafedra radiofiziki.
(Neutrons)

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9.9600
3.1720 (1041, 1127, 1126)

Translation from: Referativnyy zhurnal, Astronomiya i Geodeziya, 1961, No. 2, p. 64, # 2A516

AUTHOR: Loshchilov, Yu.A.

TITLE: On Determining Ionization Probability in Meteoric Trails by the Radiovisual Observation Method

PERIODICAL: "Tr. Odessk. un-ta", 1959, Vol. 149, "Izv. Astron. observ.", Vol. 5, No. 1, pp. 35 - 37

TEXT: According to the physical theory of meteors, there exists the following relation between absolute zenith magnitude of a meteor M and maximum linear electronic density in the trail α_{max}:

$$M = - 2.5 \lg \alpha_{max} + \text{const} \qquad (1)$$

Using radiovisual observations of the Perseid stream 1947 by Manning and calculations of L.G. Jacchia for luminosity coefficient τ, T.R. Kaiser determined the value of the constant in (1). Presenting the ionization probability in the form

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On Determining Ionization Probability in Meteoric Trails by the Radiovisual Observation Method

$\beta \sim v^n$ (where v is meteor velocity) Kaiser found $0.1 < \beta < 1$ and $n = 0 \pm 0.6$ ($20 < v < 60$ km). Khokins (RZhAstr, 1957, No. 6, 4949) made use of radiovisual observation data of two streams, Perseids and Geminids, to determine the v-dependence of β. Using (1) and assuming that $\tau \sim v$, he found $\beta \sim v^{5.6}$. However, according to data of P.M. Millman and D.W.R. Mc Kinley relation (1) holds only for the Perseid stream. For the Geminid stream and δ Aquarid the values of coefficients at $\lg \alpha_{max}$ in (1) are obtained to be 2.86 and 3.1. Thus, if Millman and Mc Kinley's data are valid, relation (1) can not be used for the Geminid stream. If however relation (1) is valid, then the data of radiovisual observations can not be utilized (with exception of the Perseid stream) for calculating the constants in (1) and consequently, for determining the v-dependence of β. The strong dependence of β on v obtained by Khokins is unsubstantiated. There are 7 references.

V. Lebedinets

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

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23704
S/035/61/000/004/035/058
A001/A101

AUTHOR: Loshchilov, Yu.A.

TITLE: The application of atomic collision theory to ionization processes in meteoric trails

PERIODICAL: Referativnyy zhurnal. Astronomiya i Geodeziya, no. 4, 1961, 55, abstract 4A442 ("Tr. Odessk. un-ta", 1959, v. 149, "Izv. Astron. observ", v. 5, no. 1, 39 - 42)

TEXT: The author discusses the dependence of ionization probability in meteoric trails β on meteor speed v. H.S.W. Massey and D.B. Sida derived an approximate expression for β:

$$\beta \approx \int_{E_t}^{E} \frac{Q_i dE}{EQ_d}, \qquad (1)$$

where Q_i is cross section of ionization, Q_d is effective cross section of diffusion, E is energy of the particle, E_t is threshold energy. In the case of collision between atoms of Ca and Ne, Massey and Sida found an expression, from 4 rated points within the energy range from 75 to 1,500 ev:

$$Q_d = Q_o \left(\ln \frac{E}{C}\right)^2 \qquad (2)$$

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