

L 15287-65

ACCESSION NR: AR4045857

chromation (donors - females, recipients - males). To determine the activity of immunologically competent cells, the donors were immunized with a pure Vi-antigen of typhoid bacilli and the Vi-antibodies were determined in the recipients. A myelogram investigation showed that aplasia and hypoplasia appear in 2 to 3 days, and hemopoiesis is partially restored in 4 to 5 days. Young myeloid cells appear in the recipient's blood and in 5 to 7 days donor erythrocytes (2 to 3.5%) also appear. From the seventh day hyperbasophilic cells are found which the authors regard as transitional forms from hemocytoblasts to lymphocytes. Later on hemopoiesis stopped, but the number of lymphocytes increased sharply reaching 60 to 80% of the total number of leukocytes by the 8th to 9th day. Opening of the bone marrow disclosed reticular hyperplasia typical for radiation sickness. The time required for transformation of blood formation was determined by antigen differences between donor and recipient. The conclusion is drawn that secondary sickness is caused by the transformation of basic blood-forming cells into immunologically competent ones.

SUB CODE: LS

ENCL: 00

Card 2/2

CHEBTKOV, I.L.; NOVIKOVA, M.N.; PEGASHOVA, L.M.; SHEKHENLASH, L.L.,
MAKSHENKO, A.S.; RAJCHENBAKH, M.A.

Transformation of hemopoietic cells of transplanted allogeneous
bone marrow into immunologically competent cells in irradiated
dog. Med. rad. 8 no.6:5-69 (1971). (MIK 1974)

1. Iz radiobiologicheskoy laboratorii (dir. - prof. M.O. Rajchenbakh)
TSentral'nogo ordena Lenina instituta gerontologii i patologiiya
krovi.

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SHETCHELEVICH, I. L.

"Erythrocyte levels during acute radiation sickness as a function of changes in iron metabolism compared with peripheral blood and brain morphology.

Blood letting prior to x-irradiation preserves erythropoietic activity in the brain, averts radiation-sickness syndromes, and increases the survival of healthy rabbits and dogs.

candidate dissertation listed in Meditsinskaya radiologiya, no. 7, 1964. The article did not state specifically what degree was awarded. The annotated titles deal with studies on radiation physiology, radiation biochemistry, combined trauma and the influence of radiation on regenerative processes, radiation microbiology and immunology, and radiation pharmacology.

L 55041-65 EWT(m)/EWG(j)

ACCESSION NR: AP5014299

UR/0241/65/010/006/0034/0042

616-001.28-036.17-085.361.018.46]-092.9. /

AUTHOR: Chertkov, I. L.; Rogacheva, L. S.; Shepshelovich, L. L.; Raushenbakh, *90/12*
M. O.

TITLE: Two-stage transplantation of allogenic bone marrow in severe experimental radiation sickness *19*

SOURCE: Meditsinskaya radiologiya, v. 10, no. 6, 1965, 34-42

TOPIC TAGS: radiation sickness, bone marrow, hemopoiesis, transplantation, irradiation

ABSTRACT: The authors studied the effect on dogs of two-stage transplantation on bone marrow. The first was applied after whole-body irradiation (100 r) and the second 5-6 days after the first, on the assumption that the first transplantation would help the animals survive until the second took effect. The first was not therapeutic and the hemopoietic cells did not change into immune lymphocytes. The second transplantation "took" and the recipient animals' hemopoiesis was partly compensated. Two of 14 experimental dogs survived. The donor animals' cells were

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ACCESSION NR: AP5014299

sloughed off 4-5 weeks after irradiation and the therapeutic effect persisted because at this time the restoration of hemopoiesis enabled the recipient animals to survive. Sloughing off of the transplant earlier (16 days after irradiation) prevented restoration of hemopoiesis, resulting in the animals' death. Thus, in itself the transformation of hemopoietic cells into immunoblasts and immunocytes was not fatal to the animals. The immunological reaction was apparently brief because the resultant immunologically incompetent cells multiplied only during the first two days. The death of the dogs that received only one transplantation of bone marrow was due mainly to noncompensated hemopoiesis. The results of the experiments indicate that two-fold transplantation of bone marrow is somewhat effective after massive irradiation. Orig. art. has: 3 figures, 1 table.

ASSOCIATION: Radiologicheskoye otdeleniye Tsentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi, Moscow (Radiology Department, Central "Order of Lenin" Institute of Hematology and Blood Transfusion)

SUBMITTED: 10Jul64

ENCL: 00

SUB CODE: LS

NO REF SOV: 003

OTHER: 007

Card 2/2

ROZENGART, V.I.; SHEPSHELEVICH, L.V.

Mechanism of the action of pyrocatechol as an esterase model.
Biokhimiia 27 no.4:689-697 J1-Ag '62. (MIRA 15:11)

1. Biochemical Laboratory, Institute of Toxicology, Leningrad.
(PYROCATECHOL) (ESTERASES)

SHEPSHELEVICH, L. V.; ROZENGART, V. I.

"Design and investigation of new esterase models on the basis of polyphenols."

report submitted for 6th Intl Biochemistry Cong, New York City, 26 Jul-1 Aug 64.

SHEP SHELEVICH, M.

4

✓ Colorimetric determination of the ⁷iron content of petroleum coke from a sulfur-containing crude oil. A. Serbryakova, M. Shenshelevich, and L. Nikulina. *Novosti Neftyanoi Tekhn. Nefti pererabotka* 1955, No. 5, 31-3. — 3

Fuel The colorimetric detn. of Fe with NH_4CNS is more accurate and convenient than reduction with $SnCl_2$ and titration; the latter method gives low results and is inconvenient because of the large sample required and the formation of fused particles on ashing. The results of the 2 methods are compared. Malcolm Anderson

MA

KRASYUKOV, A.F.; AKIMOV, V.S.; SHEPSHELEVICH, M.I.; SLUTSKAYA, S.M.;
KOLESNIKOV, A.A.; NEDBRYUKA, N.S.

Delayed coking of heavy petroleum residues. Trudy BashNII NP
no.1:63-79 '59. (MIRA 12:6)
(Petroleum coke)

KRASYUKOV, A.F.; AKIMOV, V.S.; SYUNYAYEV, Z.I.; SHEFSHELEVICH, M.I.

Some aspects of the mechanism of coking. Trudy Bash. NII
NP no.3:101-118 '60. (MIRA 14:4)
(Petroleum coke)

1. SHEPSHELEVICH, V. L.
2. USSR (600)
4. Measuring Instruments
7. Introducing the use of dimension gauges in enterprises of the Moscow Furniture Trust. Der.i lesokhim. 1 no. 5, 1952.

9. Monthly Lists of Russian Accessions, Library of Congress, March 1953, Unclassified.

ИСПОЛНИТЕЛЬ, Н. Л.; АЛЕКСАНДРОВИЧ, А. А.

Chairs

New method for finishing curved chairs with "nitrolac." Ser. i lesokhin. prom. 1, No. 8, 1952.

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

SHWPSHELEVICH, Vitaliy Leont'yevich; SMIRNOV, A.V., redaktor; SAR'LATSKAYA
G.I.: redaktor; KOLESNIKOVA, A.P., tekhnicheskij redaktor.

[Gluing and veneering furniture parts with bone glue] Skleivanie i
fanerovanie mebel'nykh detalей kostnym kleem. Moskva, Gosles-
bumizdat, 1955. 78 p. (MLRA 8:8)
(Veneers and veneering) (Glue)

SHEPSHELEVICH, V. L., inzhener

Increasing the usable quantity of planed plywood in layouts. Der.
prom.4 no.5:25-26 My'55. (MIRA 8:10)

1. TsPKB Glavmebel'proma
(Plywood)

STRONGIN, A.M.; SHEPSHELEVICH, V.L.

Investigating operations for manufacturing bent and sawed-through parts. Der. prom. 7 no. 5:4-5 My '58. (MIRA 11:7)

1. Tsentral'noye mebel'noye konstruktorskoye byuro.
(Woodwork)

SHEPSHELEVICH, V.L.; MEKHETIYeva, T.N.

Facing furniture with plastics. Der.prom. 8 no.6:19-20
Je '59. (MIRA 12:8)

1. Tsentral'noye mebel'noye konstruktorskoye byuro Glavstandartdoma
pri Gosstroye SSSR.
(Plastics) (Furniture)

STRONGIN, A.M.; SHEPSHELEVICH, V.L.; MEKHTIYEVA, T.N.

Plastic films for coating of furniture. Der.prom. 8 no.12:
17-18 D '59. (MIRA 13:5)
(Wood--Finishing) (Plastics)

SHEPSHELEVICH, V.

Materials for furniture finishing. Mest.prom.i khud.promys. 1
no.2/3:12-13 N-D '60. (MIRA 14:4)
(Wood finishing) (Furniture)

SHEPSHELEVICH, V.L.; ALEKSANDROVSKAYA, M.M.

Lacquer for finishing products by the dipping method, and conditions of its application. Lakokras.mat.1 ikh prim. no.5:61-64
'60. (MIRA 13:11)

(Lacquer and lacquering)

SHEPSHELEVICH, V.

Furniture made of fiber boards. Prom.koop. 14 no.6:
17-18 Je '60. (MIRA 13:7)

1. Nachal'nik Nauchno-issledovatel'skoy laboratorii Tsentral'-
nogo mebel'nogo konstruktorskogo byuro Glavstandartdoma pri
Gosstroye SSSR.

(Furniture industry) (Wood, Compressed)

STRONGIN, A.M.; SHEPSHELEVICH, V.L.; MEKHTIYEVA, T.N.

Fastening hardware made from polyamides for use in the manufacture
of furniture. Der.prom. 9 no.9:10-11 S '60. (MIRA 13:8)

1. Tsentral'noye mebel'noye konstruktorskoye byuro Glavstandartoma.
(Polyamides) (Furniture)

SHEPSHELEVICH, V.L.; MEKHTIYEVA, T.N.; ALENDER, I.Z., red.; DZEKUNOVA,
G.P., red.; MILIKESOVA, I.F., tekhn. red.

[Use of plastics in the manufacture of furniture]Primenenie
plastmass v proizvodstve mebeli. Moskva, TSentr. in-t tekhn.
informatsii i ekon. issl. po lesnoi, bumazhnoi i derevoobra-
batyvaiushchei promyshl. 1962. 71 p. (MIRA 16:1)
(Furniture) (Plastics)

SHASHKOV, L.; SHEPTALIN, V.

Closer to industrial requirements. Prof.-tekh.obr.13 no.6:7-9
Je '56. (MLRA 9:9)

1.Direktor teplitskogo uchilishcha mekhanizatsii sel'skogo
khozyaystva no.10:7-9, Odesskaya oblast' (for Shashkov). 2.Za-
mestitel' direktora po uchebno-preizvodstvennoy chasti (for
Sheptalin).

(Odessa--Farm mechanization--Study and teaching)

SHEPTALIN, V.

Gratifying results. Prof.-tekh.obr. 13 no.9:4 8'56. (MIRA 9:10)

1. Zamestitel' direktora po uchebno-proizvodstvennoy chasti uchilishcha
mekhanizatsii sel'skogo khozyaystva no.10, Odesskaya oblast'.
(Farm mechanization--Study and teaching)

27-12-14.27

SHEPTALIN V. ✓

AUTHOR: Sheptalin, V., Deputy Director of the Agricultural Mechanization School # 10 at Teplits, Odessa Oblast'

TITLE: A Good Tradition (Khoroshaya traditsiya). The Graduates Do Not Break off the Connection with the School (Vypuskniki ne poryvayut svyazi s uchilishchem)

PERIODICAL: Professional'no - Tekhnicheskoye Obrazovaniye, 1957, # 12, p 18 (USSR)

ABSTRACT: The article deals with the new conditions in which a graduate is placed after having found a job and pictures several cases where former graduates have maintained the previous connections with their old school.

ASSOCIATION: Agricultural Mechanization School # 10, Teplits, Odessa Oblast' (Teplitskoye uchilishche mekhanizatsii sel'skogo khozyaystva No 10, Odessa Oblast')

AVAILABLE: Library of Congress

Card 1/1

AUTHOR: Sheptalin, V., School Instructor SOV/27-58-11-14/29
TITLE: ~~The Pedagogical Workshop of the Mechanization School (Pedagogicheskiy kabinet uchilishcha mekhanizatsii). A Selection of Materials on New Engineering and Advanced Experience (Podbor materialov o novoy tekhnike i peredovom opyte)~~
PERIODICAL: Professional no-tekhnicheskoye obrazovaniye, 1958, Nr 11, pp 17 - 18 (USSR)

ABSTRACT: The entire schooling process must be permeated with the spirit of the socialist economy and organically linked with modern engineering methods. Under certain conditions it may be necessary to organize a small center of technical information and methodological help at the institution. The pedagogical workshop organized in the author's school represents such a center, with its displays on various subjects, models, literature, visual aids and other material. The author describes the arrangement of the various stands, stating that the workshop's activity is supervised by a council headed by the school director. He outlines the different sections of the workshop's activity plan, which

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SOV/27-58-11-14/29

The Pedagogical Workshop of the Mechanization School

is part of the school's curriculum, and lists the themes of seminar exercises planned for half a year.

ASSOCIATION: Uchilishche mekhanizatsii sel'skogo khozyaystva Nr 10
(Odesskaya oblast'). Agricultural Mechanization School
Nr 10 (Odessa Oblast')

1. Industrial training--USSR
2. Industrial training--Equipment
3. Engineering personnel--Training

Card 2/2

SHEPTALIN, V. A.

USSR/ Engineering - Machine tools

Card : 1/1

Authors : Sheptalin, V. A. and Piotrovskiy, V. G.

Title : Concerning tolerances for reamers.

Periodical : Stan. i Instr., Ed. 7, 36 - 37, July 1954

Abstract : Suggestions are made for the selection of reamers, for reaming holes within a variation from standard size. Tolerances, allowable errors, and accounts for the wear limit of reamers, are given. Diagram; table.

Institution :

Submitted :

SHEPTAYEV, K., (g. Nizhniy Tagil)

Overcome the lagging of the plant completely. Stroi. mat. 3 no.1:10-
11 Ja '57. (MLRA 10:3)
(Nizhniy Tagil--Cement industries)

AGEYEVA, A.P.; AKSENOVA-CHEKASOVA, A.S., aspiranka; VELIKANOV, L.N., bibliotekar'; GAVVA, F.M.; GIRENKO, P.D., Geroy Sots. truda; GUBANOV, M.M., pensioner; GUS'KOVA, T.K., nauchnyy sotr.; DAVYDOV, A.G., prepodavatel'; DANILEVSKIY, V.V., prof., dvazhdy laureat Stalinskoy premii; DOVGOPOL, V.I., laureat Stalinskoy premii; YELOKHIN, M.F.; YERMAKOV, A.D.; IVANOV, V.G., prepodavatel'; KOVALEVICH, V.K.; KOVALEVSKAYA, Ye.S., zhurnalistka; PANKRATOV, A.G.; POPOVA, F.M.; URYASHOV, A.V.; FEDORIN, I.M., kand. ist. nauk; FILIPPOV, F.R.; CHUMAKOV, N.P.; SHEPTAYEV, K.T., zhurnalist; VAS'KOVSKIY, O.A., kand. ist. nauk, retsenzent; KULAGINA, G.A., kand. ist. nauk, retsenzent; GORCHAKOVSKIY, P.L., prof., doktor biol. nauk, retsenzent; BAKHMUTOVA, V., red.; SAKNYN', Yu., tekhn. red.

[Nizhniy Tagil]Nizhnii Tagil. Sverdlovsk, Sverdlovskoe knizhnoe izd-vo, 1961. 294 p. (MIRA 16:1)

1. Nizhne-Tagil'skiy krayevedcheskiy muzey (for Ageyeva, Gus'kova).
2. Zaveduyushchiy gorodskim otделom narodnogo zdravookhraneniya, Nizhniy Tagil (for Velikanov).
3. Zaveduyushchiy gorodskim sel'skokhozyaystvennym otделom goroda Nizhniy Tagil (for Gavva).
4. Nachal'nik upravleniya stroitel'stvom Sverdlovskogo sovnareshkoza (for Girenko).
5. Deystvitel'nyy chlen Akademii nauk Ukr. SSR, Leningradskiy politekhnicheskii institut (for Danilevskiy).

(Continued on next card)

ZUBAKINA, A.I., kand.med.nauk; SHEPTE, L.Ya.

Relation of leucocytal reactions with the healing process of burn wounds. Ortop., travm.i protez. 23 no.11:62-66 N '62.
(MIRA 16:4)

1. Iz Gor'kovskogo instituta travmatologii i ortopedii (dir. -
dokt. M.G.Grigor'yev).
(BURNS AND SCALDS) (LEUCOCYTES)

SHEPITSKIY, B., inzh.

Cable drums for tower cranes. Stroitel' no.3:12 Mr '59.
(MIRA 12:6)

(Cranes, derricks, etc.)

LIFSHITS, R.A., inzh.; SHEPTITSKIY, B.A., inzh.

Modernizing the SBK-1 tower crane by using a movable
counterbalance. Stroi. i dor. mash. 6 no.5:10-11 My '61.
(MIRA 14:6)

(Cranes, derricks, etc.)

SHEPTITSKIY, B.A., inzh.

The NOK-1,2 machine for digging irrigation canals. Mashinostro-
enie no.6:79-81 N-D '62. (MIRA 16:2)
(Excavating machinery)

SHEPTITSKIY, B.A., inzh.; KRYUKOV, L.G., inzh.

Construction of a monolithic concrete lining in irrigation
canals by means of pneumatic jetting. Gidr. i mel. 15 no.6:
15-23 Je '63. (MIRA 16:8)

1. Ukrainskiy gosudarstvennyy institut po proyektirovaniyu
vodokhoz'yaystvennykh sooruzheniy i sel'skikh elektrostantsiy.

SHEPTITSKIY, V.[Sheptyts'kyi, V.]; VAYNSHTEYN, L.

Put the construction of stock buildings on the production line.
Sil'. bud. 12 no.10:4-5 0 '62. (MIRA 15:10)

1. Glavnyy inzh. Kakhovskoy mezhkolkhoznoy stroitel'noy
organizatsii Khersonskoy oblasti (for Sheptitskiy). 2. Starshiy
inzh. sektora tekhnologii i organizatsii sel'skogo stroitel'stva
Akademii stroitel'stva i arkhitektury UkrSSR (for Vaynshteyn).

(Kakhovka District--Barns)
(Collective farms--Interfarm cooperation)

NYMIK, R.A.; SHEPTOPEROV, V.Ya.

Calculation of certain characteristics of extensive air showers using a model of a heavily fluctuating elementary event of interaction. Izv. AN SSSR, Ser. fiz. 29 no.9:1693-1695 S '65.

(MIRA 18:9)

1. Institut yadernoy fiziki Moskovskogo gosudarstvennogo universiteta.

ACC NR: AP7002733 (A) SOURCE CODE: UR/0126/66/022/006/0816/0822

AUTHOR: Kosevich, A. M.; Kibets, I. N.; Sheptovitskiy, L. D.

ORG: Khar'kov State University (Khar'kovskiy gosuniversitet)

TITLE: Residual deformations of a rod with a nonuniform coefficient of thermal expansion in a cyclic thermal regime

SOURCE: Fizika metallov i metallovedeniye, v. 22, no. 6, 1966, 816-822

TOPIC TAGS: plastic deformation, thermal expansion, thermal stresses, stress relaxation, *thermoelasticity, elastic stress*

ABSTRACT: If a metal has a noncubic (e.g. hexagonal) crystalline lattice, its texture is such that thermal expansion becomes anisotropic, i. e. must be described by a second-rank tensor rather than by a scalar quantity. This factor becomes particularly essential if the texture of the specimen is inhomogeneous and its coefficient of thermal expansion is a function of the coordinates. Then even uniform heating of a specimen can produce in it considerable thermoelastic stresses reaching the yield point of the material. In this connection, thermoplastic deformations in a round metal rod with an inhomogeneous (axially symmetric) texture and hence also a nonuniform coefficient of thermal expansion are considered. It is assumed that the

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UDC: 669.017:[539.37+536

ACC NR: AP7002733

successive rapid heating and cooling of the specimen produces stresses in the metal. Two factors are taken into account: the hysteresis character of the equations of the phenomenological theory of plasticity and the relaxation of elastic stresses. Owing to either of these factors the shape of the specimen following the cyclic heating-cooling process differs from its original shape, i. e. residual deformations appear. It is shown that the pulsed heating of the rod at which the maximum temperature suffices for the development of plastic deformation causes the rod to undergo irreversible plastic changes. The residual deformations are proportional to the change in temperature and affected by the relationship between stresses and elasto-plastic deformations. Orig. art. has: 36 formulas.

SUB CODE: 11, 20, 13 / SUBM DATE: 11May66/ ORIG REF: 003

Card 2/2

SHEPTOVITSKIY, V.

Active efficiency promoter. Avt. transp. 38 no. 5:7 My '60.
(MIRA 14:2)

(Leningrad--Automobiles--Maintenance and repair)

SHEPETUKHA, M.G., inzh.; GONCHAR A.G., inzh., CHERNOBIL'KIY, A.Z., inzh.

Modernization of industrial equipment at the plants of the
Kharkov Economic Council. Mashinostroenie no.3:66-70 My-Je '65.
(MIRA 18:6)

SHEPTUKHIN, N.I., kapitan meditsinskoy sluzhby

Cardiovascular reaction to a parachute jump. Voen.-med.zhur.
no.7:76 J1 '59. (MIRA 12:11)
(PARACHUTING--HYGIENIC EFFECT)

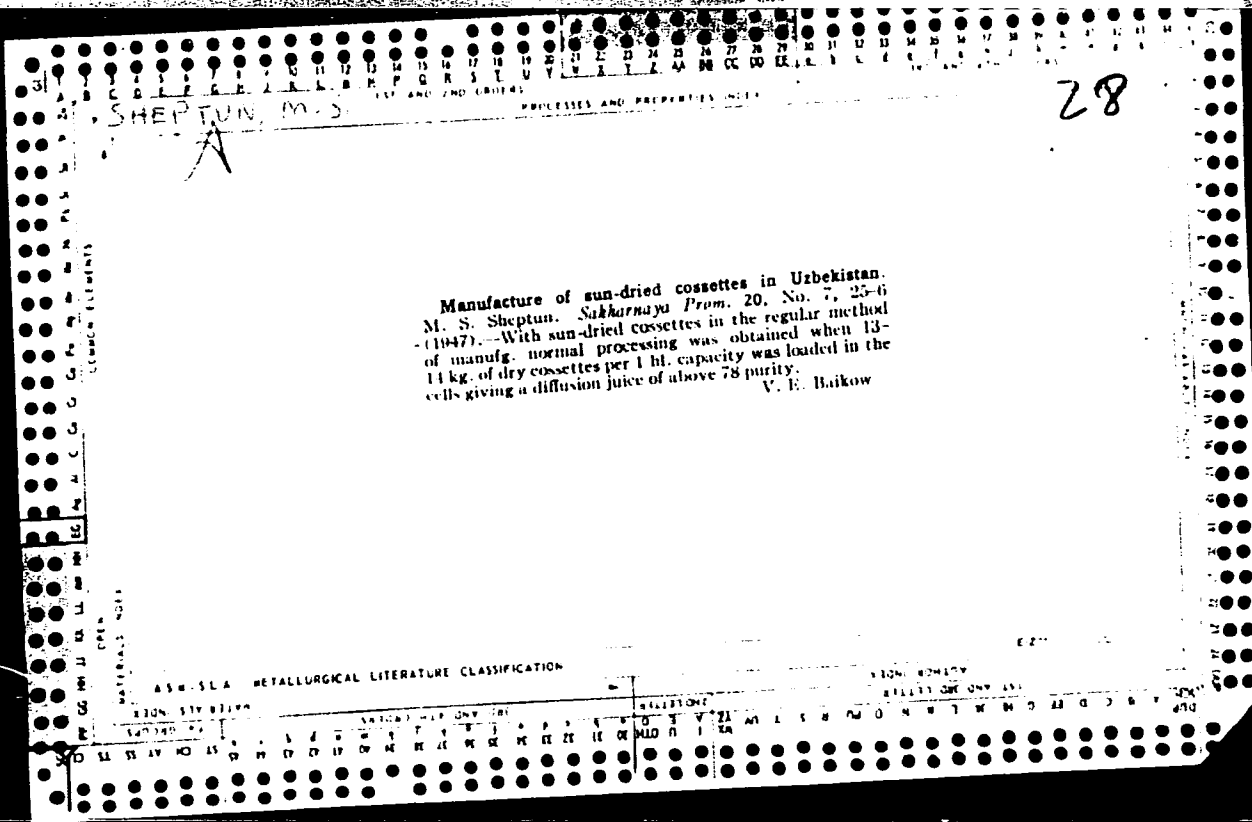
SMIRNOV, G.M.; SHEPTUKHIN, V.I.

Importance of the shuttle shape in net-knitting machines.
Tekst. prom. 19 no.9:58-59 S '59. (MIRA 12:12)
(Knitting machines)

SMIRNOV, G.M., dotsent; SHEPTUKHIN, V.I., konstruktor

Link mechanism for moving the horizontal bar of the "SM" net
knitting machine. Tekst.prom.22 no.3:83-84 Mr '62. (MIRA 15:3)

1. Zhdanovskiy metallurgicheskiy institut (for Smirnov).
2. Zhdanovskaya setevyazal'naya fabrika (for Sheptukhin).
(Knitting machines)



BIBIK, L.; PRAVDIN, D.; SHEPTUN^y, Ye.

Utilizing public consumption funds on collective farms. Biul.
nauch. inform.: trud i zar. plata 4 no.3:50-55 '61. (MIRA 14:3)
(Collective farms—Finance)

KAPUSTIN, Ye.I., kand.ekon.nauk; LAVROV, V.V.; RYUMIN, S.M.; KONSTANTINOV, Yu.A.; PRAVDIN, D.T., kand.ekon.nauk; KIRILLOVA, N.I.; RIMASHEVSKAYA, N.M.; ANTROPOV, B.F.; RYABKOV, F.S.; POPOV, G.A.; DEM'YANOVA, V.A.; SMOLYAR, I.M.; ACHARKAN, V.A., kand. yurid.nauk; BRONER, D.L.; SHEPTUI, Ye.V.; KRYAZHEV, V.G.; ALESHINA, F.Yu., kand. ekon. nauk; KUZNETSOVA, N.P.; MARKOVICH, M.B.; BIBIK, L.F.; BUDARINA, V., red.; GRIGOR'YEVA, I., mladshiy red.; CHEPELEVA, O., tekhn. red.

[Public consumption funds and improving the welfare of the people in the U.S.S.R.] Obshchestvennye fondy i rost blagosostoiania naroda v SSSR. Moskva, Sotsekgiz, 1962. 222 p. (MIRA 15:6)
(Cost and standard of living)

Shchegolev, V. A., Soviet

Engl Tech Sci

Dissertation: "Analytical-Calculating Method for Determination of the Gas
Permeability of Folding Mixtures."

15/11/59

Moscow Machine Tool Inst named I. V. Stalin

SO Vecheryaya Moskva
Sum 71

Sheptunov K.L.

GOLOVLEV, V.D., dotsent, kandidat tekhnicheskikh nauk; DMITRIYEV, N.A.,
kandidat tekhnicheskikh nauk; KASENKOV, M.A., dotsent, kandidat
tekhnicheskikh nauk; OSTROVSKIY, Ya.I., inzhener; TAMBOVTSEV, S.P.,
dotsent, kandidat tekhnicheskikh nauk; FUFAYEV, L.S., kandidat
tekhnicheskikh nauk; SHEPTUNOV, K.L., dotsent, kandidat tekhnicheskikh nauk.

"Metallurgy." A.N.Gladilin and others. Reviewed by V.D.Golovlev and
others. Vest.mash. 34 no.11:103-106 N 154. (MIRA 7:11)
(Metallurgy) (Gladilin, A.N.)

SHEPTUNOV, K.L., dotsent, kand. tekhn. nauk

Thermophysical properties of cast irons. Khim. mash. no.4:41
JI-Ag '59. (MIRA 12:12)
(Cast iron--Thermal properties)

SHEPTUNOV, K.I.

Friability of dry standard models made of clay-sand mixtures. Inzh.-
fiz.zhur. no.2:46-50 F '60. (MIRA 13:7)

1. Avtomekhanicheskiy institut, Moskva.
(Clay)

80978

18.8100
S/180/60/000/03/009/030

E111/E352

AUTHOR: Sheptunov, K.L. (Moscow)

TITLE: Influence of Cast-iron Structure on Its Thermal Conductivity

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Metallurgiya i toplivo, 1960, Nr 3, pp 53 - 56 (USSR)

ABSTRACT: The author reports an investigation of the value and nature of changes in the thermal conductivity of cast irons in relation to the temperature and temperature gradient and determinations of the coefficient values in relation to cast-iron structure. For the determination a plate of the test material and of a standard were placed between a heater and cooler. The current in the heaters was varied periodically, the temperature gradient being determined for each value under stationary conditions. Cast irons with the following structures were studied: austenitic (specially cast from iron with 17% Ni, 2.25% Cr, 2.6% C); martensitic (specially cast from iron with 6% Ni, 5.0 - 3.2% C); ferritic (routine casting from 2.64% C, 1.18% Si, 0.38% Mn); ferritic malleable (obtained by annealing white iron); grey iron (cast from metal with

Card1/2

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S/180/60/000/05/009/030

E111/E352

Influence of Cast-iron Structure on its Thermal Conductivity

3.4 - 3.5% C, 2.4 - 2.5% Si, 0.5 - 0.6% Mn, 0.4 - 0.5% P and 0.1% S). The influence of porosity was eliminated by reducing the results to a constant density of

$8\ 000\ \text{kg/m}^3$, values for various temperature differences are tabulated and also plotted (Curves 1-5 refer to the materials in the order listed above). The work showed that ferritic malleable iron has the highest thermal conductivity, followed by grey iron and white iron. The latter overlaps with martensitic iron, depending on the temperature differences. For austenitic iron the coefficient is not affected in this way and remains constant. Comparing his values with published data on the physical properties of steel the author shows that they are mutually supporting. There are 1 figure, 1 table and 1 Soviet reference.

SUBMITTED November 12, 1959

Card 2/2

SHEPTUNOV, K.L., kand.tekhn.nauk

Thermophysical properties of molding materials at high temperatures.
Izv.vys.ucheb.zav.; mashinostr. no.4:114-118 '60. (MIRA 14:4)

1. Moskovskiy avtomekhanicheskiy institut.
(Sand, Foundry--Testing)

SHEPTUNOV, K.L., kand.tekhn.nauk

Heat conductivity of materials for molds depending on changes in temperature. Izv.vys.ucheb.zav.; mashinostr. no.11:83-90 '60.

(MIRA 14:1)

1. Moskovskiy avtomekhanicheskiy institut.
(Sand, Foundry--Thermal properties)

SHEPTUNOV, K.L.

Effect of temperature differences of granular and monolithic materials
on the heat conduction coefficient. Inzh.-fiz. zhur. 4 no.1:127-
130 Ja '61. (MIRA 14:4)

1. Avtomekhanicheskiy institut, Moskva.
(Heat--Conduction) (Granular materials)

SHEPTUNOV K.L., kand. tekhn. nauk, dotsent

Analytic determination of the strength of sand-clay mixtures considering the nature of molding of ys. *Tr. vys. ucheb. zav.; mashinostr. no. 6-13-146-16*. (MIRA 14-7)

1. Moskovskiy avtomekhanicheskiy institut.
(Sand, Foundry-Testing)

SHEPTUNOV, K.L.

Heat exchange between castings and molds. TSvet. met. 34
no.6:72-76 Je '61. (MIRA 14:6)
(Nonferrous ingots)
(Heat—Transmission)

SHEPTUNOV, K.L.

Thermophysical properties of molding materials under high
temperature conditions. Trudy MTIPP 15:113-117 '60.

(MIRA 16:2)

(Heat--Transmission)
(Sand, Foundry--Thermal properties)

SHEPTUNOV, K. L., kand. tekhn. nauk, dotsent

Calculating and analytic method for determining the value of
heat coefficients of molding materials and their mixtures.
Izv. vys. ucheb. zav.; mashinostr. no.7:123-131 '62.
(MIRA 16:1)

1. Moskovskiy avtomekhanicheskiy institut.

(Sand, Foundry—Thermal properties)

SHEPTUNOV, Konstantin L'vovich; SOSNENKO, M.N., kand. tekhn.nauk,
retsenzent; KATSMAN, A.B., inzh., red.; MAKAROVA, L.A.,
tekhn. red.; GORDEYEVA, L.P., tekhn. red.

[Preparation of molding mixtures] Shikhtovka formovochnykh
smesei. Moskva, Mashgiz, 1963. 144 p. (MIRA 16:5)
(Sand, Foundry)

SHEPTUNOV, K.I., kand. tekhn. nauk, dotsent

Relationship between the real(molecular) heat conductivity of
a body and its porosity. Izv. vys. ucheb. zav.; mashinost. no.3:
170-172 '64. (MIRA 17:7)

1. Moskovskiy avtomekhanicheskiy institut.

SHEPTUNOV, L.K., kand. tekhn. nauk, dotsent

Heat conductivity of metals. Izv. vys. ucheb. zav.;
machinostr. no.9:124-127 '65. (MIRA 18:11)

MOBELAVSEIY, M.Sh.; SHEPTUNOV, M.Sh.

Possibilities of gas logging of drilled wells. Geol. nefti i gaza 3
no.3:48-52 Nr '59. (MIRA 12:4)

1. Trest Voyvozhneftegazrazvedka.
(Logging (Geology))

SHEPTUNOV

cu

1ST AND 2ND ORDERS

PROCESSING AND PRESENTATION

Separating sulfur from gases. N. A. Sheptunov
 Russ. 46,546, April 30, 1959. Gases are passed over
 deflecting surfaces at a temp. at which a small amt. of
 S vapor condenses. The plates, thus moistened with
 condensed sulfur, remove dust from the gases; the gases
 are then passed at the same or a lower temp. through the
 S-vapor condenser proper.

12

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

TECH. SERV. BUREAU

RESEARCH CENTER

LIBRARY

1945, No. 11.

1945, No. 11: "Investigation of the autoclave process of smelting sulfur from flotation concentrate". Moscow, 1945. All-Union Chemical Industry USSR. Sci Inst of Fertilizers and Insecticides. Acad Professor Ya. V. Izrael'ev. (His out. here for the degree of Candidate of Technical Sciences).

1945: Kalshnyy listok, No 45, 5 November 1945. Moscow.

GUNENKO, V.I.; SLIVKOV, V.I.; SHEPTUNOV, V.I.

Efficiency of field geophysical and geochemical studies in
the productive sediments of the Zapadnyy Tebuk field.
Razved. i okhr. nedr 28 no.10:20-26 0 '62. (MIRA 15:11)

1. Ukhtinskoye geologicheskoye upravleniye.
(Ukhta region--Petroleum geology)

DIMAKOV, A.I.; SHEPTUNOV, V.P.

Nomograms for the interpretation of hodographs of short reflections. Razved. i prom. geofiz. no.48:29-33 '63 (MIRA 18:1)

SHEPTUNOVA, N.M.

Concerning I.IA. Pikman's article. Svetotekhnika*7 no.11:27
N '61. (MIRA 14:11)

1. Podol'skiy mekhanicheskiy zavod im. Kalinina.
(Electric wiring, Interior--Safety measures)

SHEPTUNOVA, Z.I.

Academician G.I. Gess' school of chemistry; P.I. Evreinov,
P.P.Shubin, N.A.Ivanov, K.I.Raevskii. Trudy inst. ist. est. 1
tekh. 18:75-103 '58. (MIRA 11:10)
(Chemists)

BYKOV, G. V., SHEPTUNOVA, Z. I.

The German "Zeitschrift fur Chemie" (1858-1871) and Russian chemists.
Trudy Inst.ist.est.i tekhn.30:97-110 '60. (MIRA 13:8)
(Germany--Chemistry--Periodicals)

SHEPUTO, L.L. (Moskva)

Psychosomatic medicine. Sov. zdrav. 19 no.11:13-15 '60.
(MIRA 13:11)

(MEDICINE, PSYCHOSOMATIC)

SHEPUTO, L.I. (Moskva)

"Studies on the history of accident control in the U.S.S.R." by
E.A. Loginova. Reviewed by L.L. Sheputo. Ortop. travm. i
protez. 21 no. 9:73-74 S '60. (MIRA 13:12)
(ACCIDENTS—PREVENTION) (LOGINOVA, E.A.)

SHEPUTO, L.L.

Lenin's principle of party unity in medical science. Sov.zdrav. 17
no.2:20-24 P '58. (MIRA 13:1)

1. Iz kafedry marksizma-leninizma TSentral'nogo instituta usover-
shenstvovaniya vrachey.

(PHILOSOPHY

Lenin's party principles in med. science (Rus))

(MEDICINE

same)

SHEPUTO, L.L. (Moskva)

One-sided interpretation of the saying "There are no diseases, only patients." Zhur.nevr.1 psikh. 59 no.10:1261-1264 '59.

(MIRA 13:3)

(PHILOSOPHY MEDICAL)

SHEPUTO, Lyudvig Lyudvigovich; SHAMASHKIN, M.A., doktor med. nauk,
prof., red.

[Problems of dialectical materialism and medicine; philosophical
problems of the theory of pathology and diagnosis] Voprosy
dialekticheskogo materializma i meditsina; filosofskie voprosy
teorii patologii i diagnoza. Pod red. M.A.Shamashkina. Moskva,
Medgiz, 1963. 249 p. (MIRA 16:5)

(DIALECTICAL MATERIALISM)
(MEDICINE--PHILOSOPHY)

ACC NR: APTON 3274 (1) SOURCE CODE: UR/0018/67/000/001/0115/0117

AUTHOR: Sher, A. (Engineer; Lieutenant colonel); Asviyan, E.
(Lieutenant colonel)

ORG: none

TITLE: A training device for radiation detection

SOURCE: Voyenny vestnik, no. 1, 1967, 115-117

TOPIC TAGS: training equipment, ground force training, radioactivity
measurement

ABSTRACT: A radio device has been developed for training chemical-reconnaissance personnel to carry out radiation detection along the line of march. The device consists of a radiation-level sensor (see Fig. 1), which simulates the radioactive contamination of an area, and a radiation-level receiver (see Fig. 2). The radiation-level sensor and receiver are connected to R-105 radio sets and both operate on the same frequency. Changes in the radiation-level can be varied by the use of switch P_2 (see Fig. 2).

Card 1/3

UCC: none

ACC NR: AP7003274

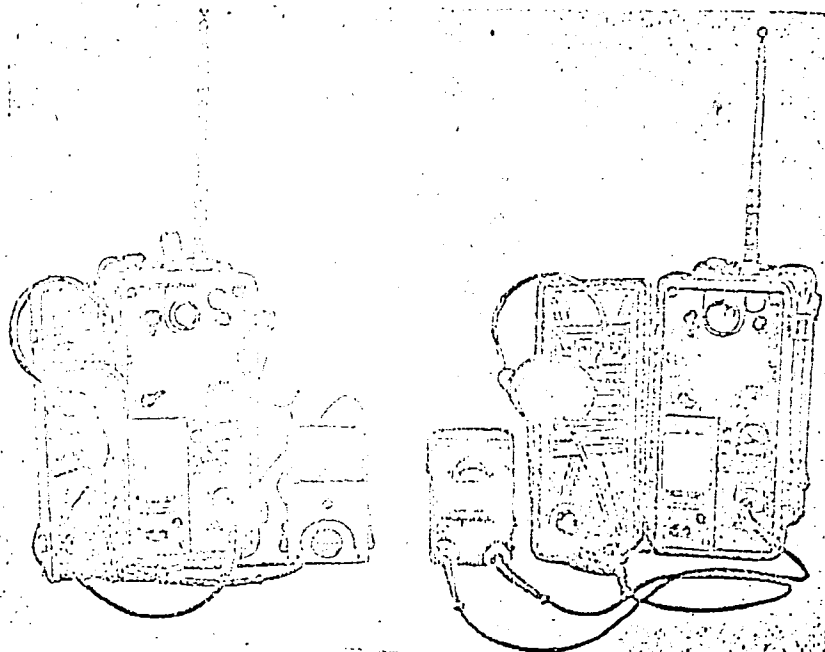


Fig. 1. Radiation-level sensor.

Card 2/3

ACC NR: AP7003:74

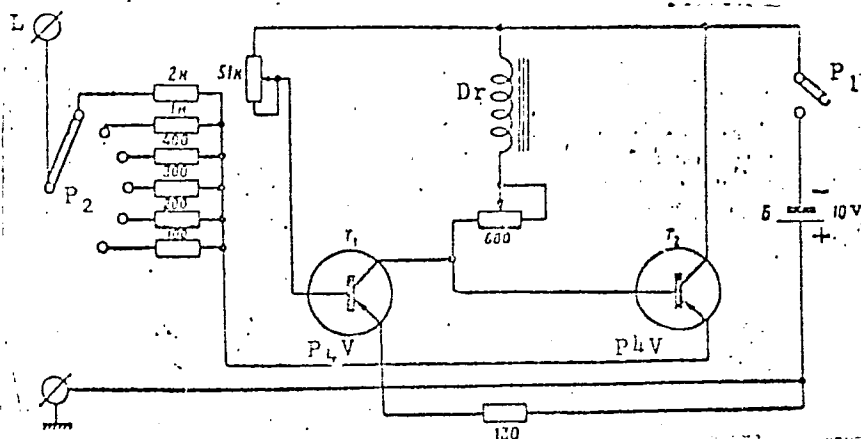


Fig. 2. Radiation-level receiver.

SUB CODE: 05 18/ SUBM DATE: none

Card 3/3

SHER, A. (Leningrad)

— Delegate to a congress. Radio no.5:4-5 My '62. (MIRA 15:5)
(Radio clubs) (Radio operators)

SHER, A.

Permanent mixed brigades as a progressive form of work organization.
Mor. flot 25 no.3:13-14 Mr '65. (MIRA 18:4)

1. Starshiy inzh. otдела truda i zarabotnoy platy Ministerstva
morskogo flota.

VETRENKO, Leonid Danilovich; kand.tekhn.nauk; ~~SHER, A.A.~~ red.; VOINOV, A.A.,
red.izdatel'stva; LAVRENOVA, N.B., tekhn.red.

[Comprehensive standards for loading and unloading work at sea ports]
Kompleksnye normy vyrabotki na pogruzochno-razgruzochnye raboty v
morskikh portakh. Moskva, Izd-vo "Morskoi transport," 1957. 153 p.

(MIRA 10:12)

(Loading and unloading)

MARTIROSOV, A.; SHER, A.; SAMOKHOTKIN, I.

Contribution of harbor efficiency promoters. Mor. flot 19
no.7:27-30 JI '59. (MIRA 12:10)

1. Nachal'nik otdela portov Glavporta Ministerstva morskogo flota
(for Martirosov). 2. Starshiy inzhener Otdela truda i zarplaty
Ministerstva morskogo flota (for Sher). 3. Starshiy instruktor
Otdela truda i zarplaty Tsentral'nogo komiteta profsoyuza rabochikh
morskogo i rechnogo flota (for Samokhotkin).
(Harbors) (Loading and unloading)

MARTIROSOV, A.; SHER, A.

Combined professions in loading and unloading operations.

Mor. flot 20 no. 12:9-11 D '60.

(MIRA 13:12)

1. Nachal'nik otdela portov Glavflota Ministerstva morskogo flota (for Martirossov). 2. Starshiy inzhener otdela truda i zarplaty Ministerstva morskogo flota (for Sher).
(Cargo handling)

SHER, Aleksandra Aleksandrovna; VARAKSIN, Nikolay Georgiyevich;
KRUGLOVA, Ye.M., red.; USANOVA, N.B., tekhn. red.

[Wages for sea harbor workers]Oplata truda rabotnikov morskikh
portov. Moskva, Izd-vo "Morskoi transport," 1962. 135 p.
(MIRA 16:2)

(Wages--Longshoremen) (Wages--Cargo handling)

_____ (1911)
_____ (1911)

"The problem of the Russian Organization of Scientific and Research Institutes"
"Voprosy Nauchn. Organizatsii i Instrument. 18, nos. 7-8, 1911."

18

L 13175-66 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l)

AGO NR: AP6001517

SOURCE CODE: UR/0302/65/000/004/0039/0042

AUTHOR: Sher, A. V.; Kopan, V. M.

ORG: None

TITLE: A device for distributive sorting of ferrite rings into classes according to magnetic permeability

SOURCE: Avtomatika i priborostroyeniye, no. 4, 1965, 39-42

TOPIC TAGS: ferrite, electronic measurement, magnetic permeability, inductance bridge, *automation*

ABSTRACT: The authors describe a special device for completely automatic sorting of ferrite rings according to magnetic permeability. The principles on which the unit is based are suitable for use in sorting other electronic components (capacitors, resistors, coils) according to value. The core to be checked is connected to the measuring part of the instrument by a special lead-in device. This lead-in is a plug made up of a socket and a rod. There are five spring-return contacts in the socket which are connected by flexible wire to five corresponding ring contacts rigidly fastened along the rod. Thus, if the ferrite ring to be measured is put over the rod, and the rod is then pushed all the way into the socket, the contacts

Card 1/2 UDC: 621.317.411

47
B

L 13175-66

ACC NR: AP6001517

in the socket and on the rod are closed making five turns of wire around the fer-rite ring. Thus an inductance is set up which is connected in one arm of a measurement bridge made up of four inductances. The output signal from the bridge is fed to a voltage amplifier and from there to a phase detector. A schematic diagram of the instrument is given and explained in detail. The device is designed for rings with $\mu = 2000$ and an external diameter of 18 mm. If the connecting rod is made small enough in diameter, it may accommodate rings of various diameters. In this case, the comparison elements need only be switched into the bridge circuit for the various rings to be measured. If the rings are identical in diameter, but vary as to μ , only the elements of the input bridge need be switched. The sorting process may be fully automated and the accuracy of the instrument can be improved by increasing the sensitivity of the null indicator. Orig. art. has: 3 figures.

SUB CODE: 09 / SUBM DATE: none

Card 2/2 *jc*

PODMOGAYEV, V.Ya.; BAUER, D.D.; SHER, A.Ye.; STEPANOV, A.P.

Vertical filling of bottom sections of aluminum electrolyzers.
Prom.energ. 15 no.5:21-22 My '60. (MIRA 13:7)
(Aluminum--Electrometallurgy)
(Electrolysis--Equipment and supplies)

SMER, T. L. (Co-author)

See: FLITSNER, A.

Flitsner, A. and Smer, T. "Multicoens L" and "Pythinesperma 15,"
high-yield varieties of winter wheat," *Selektsiya i semeno-*
vodstvo, 1949, No. 3, p. 47-50.

SO: U-3566, 15 March 43, (Leningrad *Trud* Journal, No. 14, 1949).

CHEKOKAL, V.G.; SHER, B.L., agronom

Growing winter barley in the Ukraine. Zemledelie 7 no.8:57-62
Ag '59. (MIRA 12:10)

1. Zamestitel' nachal'nika Glavnogo upravleniya zemledeliya
Ministerstva sel' skogo khozyaystva USSR (for Chenokal).
2. Ukrainskaya inspektura po sortoispytaniyu (for Sher).
(Ukraine---Barley)

SHER, B.L.

New high-yield varieties of malt barley. Spirt. prom. 29 no.7:
39-40 '63. (MIRA 16:12)

1. Ukrainskaya gosudarstvennaya komissiya po sortcispytaniyu
sel'skokhozyaystvennykh kul'tur.

REKITAR, Ya. A., kand. ekon. nauk; BOBYLEVA, N. M., inzh.;
CHULITSKIY, S. I., inzh.; SHER, B. M., inzh.; SHPORTIY, N. Ya.,
kand. ekon. nauk

Economic efficiency of producing and using silicate-concrete
elements in construction. Stroi. mat. 8 no.9:3-8 S '62.
(MIRA 15:10)

(Sand-lime products)
(Building materials industry)

S/120/61/000/004/032/054
E194/E355

AUTHORS: Voronin, A.N., Sher, E.M. and Shcherbina, A.G.

TITLE: A precision semiconductor zero-thermostat

PERIODICAL: Pribory i tekhnika eksperimenta, no. 4, 1961,
pp 181 - 182

TEXT: Maintaining the cold junctions of thermocouples in a vacuum flask with melting ice is an inconvenient and rather inaccurate arrangement. A cold-junction thermostat has been constructed, based on semiconductor cooling thermo-elements, which accurately maintains a temperature of 0 °C. The cold junction of the thermocouple is in a sealed copper vessel, completely filled with water and also containing a pressure bellows inside which are electrical contacts that operate when the bellows are compressed. The base of the copper vessel is cooled by being in contact with the cold junctions of a battery of 8 semiconductor thermo-elements connected in series and passing a current of 16 A. The hot junction is cooled by tap water and the water unions also serve as electrical terminals. As the water in the copper
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S/120/61/000/004/032/034

E194/E355

A precision

vessel is cooled it freezes round the walls, expanding so that the pressure-sensitive bellows is compressed to operate a relay that disconnects supply from the thermal battery. As the ice melts the pressure is relieved and supply to the thermo-battery is restored. Thus, the cold junction is always in water that is in equilibrium with ice.

Foam plastic is used for thermal insulation of the equipment. The thermostat maintains a temperature of 0°C to within $\pm 0.001^{\circ}\text{C}$. The thermostat is 100 mm in diameter, 120 mm high and weighs 1.1 kg. It is supplied by a rectifier unit using two germanium diodes type БГ-10 (VG-10) and can operate with cooling-water temperature up to 30°C and room temperatures up to 40°C . By increasing the size, water cooling could be replaced by natural cooling. There are 2 figures.

ASSOCIATION: Institut poluprovodnikov AN SSSR (Institute of Semiconductors of the AS USSR)

SUBMITTED December 15, 1960

Card 2/2

L 5139-66 EWT(l)/EWT(m)/EWP(i)/ETC/EPF(n)-2/EWG(m)/EPA(w)-2/T/EWP(t)/EWP(b)

ACCESSION NR: AP5026904 IJP(c) JD/AT

UR/0109/65/010/010/1845/1855
621.385.735

AUTHOR: Moyzhes, B. Ya.; Petrov, I. N.; Sher, E. M.

TITLE: Pulse electrical conductivity of a porous oxide cathode coating

SOURCE: Radiotekhnika i elektronika, v. 10, no. 10, 1965, 1845-1855

TOPIC TAGS: oxide coated cathode

ABSTRACT: R. Loosjes, H. J. Vink (Philips Res. Repts, 1949, 4, 449), R. Forman (Phys. Rev., 1954, 96, 6, 1479) and other researchers considered the conductivity of an electron gas in the oxide pores in weak fields, when the current in the pores was proportional to the electric field and when the energy gained by the electrons along their free paths was small as compared to their thermal energy kT . This article considers the case of an arbitrary electric field, when the voltage drop along the free path is near or exceeding kT/q , where q is the electron charge. An integral formula for L_a/l_0 is developed and a table facilitating evaluation of the integrals is supplied; here L_a is the electron drift and l_0 is the electron free path. An experimental BaSrCa-oxide cathode was tested by

Card 1/2

L 5139-66

ACCESSION NR: AP5026904

1- μ sec. pulses at a repetition rate of 50 cps, at 750--1150K, in fields up to 30 kv/cm strong. It was found that the experimental conductivity curves were in good agreement with theoretical curves for the fields up to about 4 kv/cm; the pore current reached values 4 times as high as the emission current. The electron free path and the work function of the oxide determined from the experimental current-voltage characteristics proved to be in good agreement with the values of these quantities determined from other independent measurements (thermo-emf, resistance in magnetic field, etc.) of the same oxide specimens. Orig. art. has: 7 figures, 18 formulas, and 2 tables. [03]

ASSOCIATION: none

SUBMITTED: 16Jul64

ENCL: 00

SUB CODE: EM, EC

NO REF SOV: 003

OTHER: 005

ATD PRESS: 4134

PC
Card 2/2

ACC NR: AP6031032 SOURCE CODE: UR/0109/66/011/009/1674/1681

56
B

AUTHOR: Moyzhes, B. Ya. ; Petrov, I. N. ; Sorokin, I. V. ; Sher, E. M.

ORG: none

TITLE: Measurement of the heat conductivity of an oxide coating at operating temperatures of the cathode

SOURCE: Radiotekhnika i elektronika, v. 11, no. 9, 1966, 1674-1681

TOPIC TAGS: heat conductivity, oxide coating, cathode coating

ABSTRACT: A procedure is developed for measuring the heat conductivity coefficient of porous oxide coatings (κ_{ox}) transparent for heat radiation at the operating temperature of the cathode ($\sim 1000K$). For layers deposited by spraying, κ_{ox} was found to be within $(1.5-8) \cdot 10^{-6}$ w/cm degrees. The low heat conductivity promotes substantial preheat of the oxide layer, especially with pulsed pickoff of current from the cathode. A comparison was made of κ_{ox} values obtained with this procedure with the measurement made on the same specimen at a temperature close to room temperature and the results are given. Orig. art. has: 5 figures, 3 tables, 11 formulas and 4 bibliographic references. [Authors' abstract] [DW]

SUB CODE: SUBM DATE: 31Mar65/ORIG REF: 002/ OTH REF: 002/
Card 1/1 b1g UDC: 621.385.735:536.2.08

SHER, Gena Ruvimovna; YURCHENKO, L.I., red.; FEDOROVA, V.V., tekhn.
red.

[Simple advice; on the preparation of tasty and healthy food
under the conditions of the Far North] Prostye sovety; o pri-
gotovlenii vkusnoi i zdorovoi pishchi v usloviakh Krainego
Severa. Magadan, Magadanskoe knizhnoe izd-vo, 1961. 81 p.
(MIRA 15:8)

(Russia, Northern---Cookery)