

KUR'YANOV, M.S.

[On the threshold of the seven-year plan; a collection]
Na rubezhakh semiletki; sbornik statei. Moskva, Profizdat,
1959. 349 p. (MIRA 13:8)
(Russia--Economic policy)

KUR'YANOVA, A.A.

Diagnostic significance of determining the stability of a blood
clot in infectious diseases. Lab.delo 7 no.9:18-20 S '61.

(MIPA 14:10)

1. Kafedra infektsionnykh bolezney (zav. - prof. N.P.Patrik
[deceased]) Voronezhskogo meditsinskogo instituta.
(BLOOD--COAGULATION) (COMMUNICABLE DISEASES)

L 08931-67 EWT(1) GW

ACC NR: AR6025341

SOURCE CODE: UR/0269/66/000/004/0019/0019

AUTHOR: Kur'yanova, A. N.

21

TITLE: Investigation of the lunar disk shape. A resume

SOURCE: Ref. zh. Astronomiya, Abs. 4, 51.140

REF SOURCE: Tr. 16-y Astrometr, konfer. SSSR, 1963. M.-L., Nauka, 1965, 119

TOPIC TAGS: ~~astronomy~~, Moon, ~~moon astronomy~~, ~~moon~~ ^{lunar} disk shape, *lunar photography*

ABSTRACT: A brief communication of the results of investigation of full lunar disk profiles on the basis of five photographs obtained at GAO AN USSR with the 16" astrophotograph. The method of sliding circles delivers a formal solution - the lunar disk ellipticity. Therefore it is proposed to measure the unevennesses of the edge from the circle which corresponds to the projection of the center of mass of the Moon. [Translation of abstract].

SUB CODE: 03

Card 1/1 egk

UDC 522.61:523.

ACCESSION NR: AT4043450

S/0000/64/000/000/0031/0042

AUTHOR: Gavrilov, I. V., Kur'yanova, A. N.

TITLE: Investigation of the figure of the lunar disk

SOURCE: AN UkrSSR. Glavnaya astronomicheskaya observatoriya. Voprosy*
astrometrii (Problems in astrometry). Kiev, Izd-vo Naukova dumka, 1964, 31-42

TOPIC TAGS: moon, lunar disk, lunar figure, lunar libration

ABSTRACT: Depending on the method used, certain investigators have concluded that the limb of the lunar disk at different librations is described well by a circle of a single radius; others believe that the circles at different librations have different radii and their centers do not coincide; still others feel that the limb of the lunar disk cannot be described by a circle and other curves must be found. The authors report an investigation using photographic observations of the moon made with an astrograph (D = 400 mm, F = 5,500 mm) having an automatically moving cassette. Five photographs (Nos. 308, 329, 354, 355 and 356) were used. The eastern and western limbs respectively, were illuminated on photographs 308 and 329. Photographs 354-356 were obtained immediately before a partial lunar eclipse. Radius vectors and position angles of points on the limb of the lunar disk were measured relative to a central mark. In addition, on plates 308 and 329, the rectangular

Card 1/5

ACCESSION NR: AT4043450

coordinates of five craters were measured. The measured radius vectors and crater coordinates were corrected for instrument errors and the measurements were freed of the influence of differential refraction. On plates 354, 355 and 356, obtained near the time of the full moon, the measurements were made along the entire limb of the lunar disk (120 points). The measured radius vectors were reduced to find the most probable circle best coinciding with the measured points on the limb. Five series of irregularities of the lunar limb were obtained. The constructed profiles were compared with corresponding profiles from the Welmer Atlas, as shown in Figures 1 and 2 of the Enclosure; the agreement is considered quite good. Curves were also constructed using these data, but they failed to demonstrate convincingly the absence of ellipticity of the limb. The authors therefore computed the parameters of the most probable ellipse best coinciding with the points of the limb. This approach failed to demonstrate reliably that the lunar disk is elliptical. Application of Whittaker's method for smoothing irregularities of the limb revealed that representation of the figure of the disk by the most probable ellipse is formal and completely inadequate. The conclusion is drawn that elevations along the limb should be referred to a circle whose center coincides with the projection of the lunar center of mass. Orig. art. has: 8 formulas, 8 figures and 2 tables.

Card 2/5

ACCESSION NR: AT4043450

ASSOCIATION: Glavnaya astronomicheskaya observatoriya AN UkrSSR (Main
Astronomical Observatory, AN UkrSSR)

SUBMITTED: 11Mar64

ENCL: 02

SUB CODE: AA

NO REF SOV: 006

OTHER: 004

Card 3/5

ACCESSION NR: AT4043450

ENCLOSURE: 01

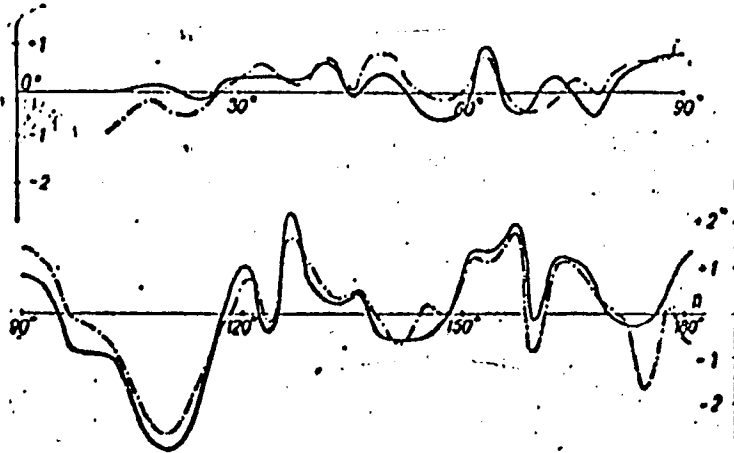


Fig. 1. Plate 308 -- Goloseyovo; -- Welmer

Card 4/5

ACCESSION NR: AT4043450

ENCLOSURE: 02

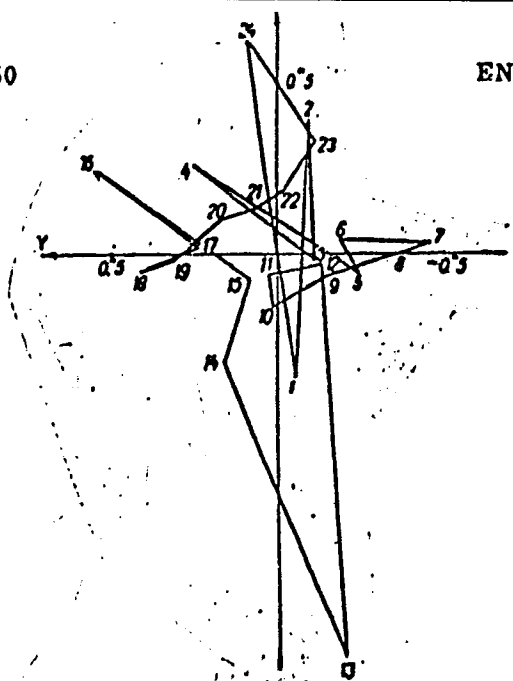


Fig. 1. Plate 355 -- Goloseyevo; -- Welmer.

Card 5/5

L 3422-66 EWT(1) GS/GW

ACCESSION NR: AT5023743

UR/0000/65/000/000/0040/0049

AUTHOR: Gavrilov, I. V.; Duma, A. S.; Kislyuk, V. S.; Kur'yanova, A. N.

TITLE: Selenocentric coordinates of 160 base points on the lunar surface

SOURCE: AN UkrSSR. Figura i dvizheniye Luny (Shape and motion of the Moon). Kiev, Naukova dumka, 1965, 40-49

TOPIC TAGS: lunar surface, moon, selenography

ABSTRACT: Measurements of the space coordinates of craters contained in the Schrutka-Rechtenstamm catalog (Schrutka-Rechtenstamm, G., Mitteilungen der Universitatssternwarte, Wien, 1958, 9, 17, 251-303) were made at the GAO AN Ukr. SSR. The results, together with the data of Schrutka-Rechtenstamm and R. B. Baldwin (Baldwin, R. B., The Measure of the Moon, University of Chicago Press, Chicago, 1963), served as the basis for the cumulative catalog of space coordinates of 160 base points presented in the article. Initial results of a solution of a concrete selenodesic problem are presented, and their accuracy is discussed. Calculations show that the center of mass of the moon is located somewhat to the northeast of the accepted center of its figure. "In conclusion, the authors thank N. A. Vasilenko and calculators L. N. Zimina and S. A. Zaslavskaya

Card 1/2

L 3422-66

ACCESSION NR: AT5023743

for assistance in the computations." Orig. art. has: 4 figures, 4 tables, and 5 formulas.

ASSOCIATION: None

SUBMITTED: 12May65

ENCL: 00

SUB CODE: AA

NO REF SOV: 001

OTHER: 003

Card 2/2 *MS*

KHOKHLOVA, A., konstruktor; PONOMAREVA, T. [Panamarova, T.],
master; BUBEN, Antonina [Buben, Antanina], kontroler; ZUYEVA, O.,
[Zuieva, Vol'ga Danilovna], master; KUR'YANOVA, Nina

We work at the tractor plant. Rab. i sial. 34 no. 11:7-8 N '58.

(MIRA 11:12)

1. Minskiy traktorny zavod (for all). 2. Chugunoliteyny tsekh (for Ponomareva).
3. Traktorny tsekh No. 2 (for Buben, Kur'yanova).
4. Pressovyy tsekh (for Zuyeva).

(Minsk--Tractor industry) (Women--Employment)

DZYUBANDOVSKIY, Kirill Aleksandrovich; KUR'YANOVA, O.V., red.;
SHERMUSHERKO, T.A., tekhn. red.

[Mechanization of conveying in a storage area] Mekhani-
zatsiia perovozok na zagotovitel'nom uchastke. Leningrad,
Lenizdat, 1963. 29 p. (MIRA 17:1)

LAKUR, K.V., tokar-novator; KUR'YANOVA, O.V., red.; SHEMUSHENKO,
T.A., tekhn. red.

[Vibration-resistant cutting tools] Vibroustoichivye reztsy.
Leningrad, Lenizdat, 1963. 67 p. (MIRA 17:1)
(Metal-cutting tools--Vibration)

TSAPKIN, N.V.; GRUNKIN, M.N.; KUR'YANOVA, O.V., red.; PRESHNOVA,
V.A., tekhn. red.

[Improve industrial guidance] Sovershenstvovat' rukovod-
stvo promyshlennost'iu. Leningrad, Lenizdat, 1963. 142 p.
(MIRA 17:1)

MEDVEDEV, Vadim Andreyevich; KUR'YANOVA, G.V., red.

[From unprofitable ones to profitable ones] Iz ubytochnykh -
v rentabel'nye. Leningrad, Lenizdat, 1964. 43 p.
(KIRA 18:4)

MASSARSKIY, Aleksandr Samoylovich, inzh.; KUL'YANOVA, O.V., red.

[Photographic lenses operating under water] Ob"ektiv pod
vodoi. Leningra , Lenizdat, 1964. 114 p. (MIRA 17:9)

FANFILOV, Mikhail Panfilovich; KUR'YANOVA, O.V., red.

[A Soviet firm in operation; from the work practice of the Leningrad Optical Instrument Combine] Sovetskaia firma deistvuet; iz opyta raboty Leningradskogo optiko-mekhanicheskogo ob"edineniia. Leningrad, Lenizdat, 1964. 157 p.
(MIRA 18:4)

1. Direktor Leningradskogo optiko-mekhanicheskogo ob"yedineniya (for Panfilov).

FOLITOV, Igor' Vladimirovich; KUZNETSOV, Nikolay Antonovich;
KUR'YANOVA, O.V., red.; GLAZOV, G A., prof., red

[Vibratory machining of parts for machines and instru-
ments] Vibratsionnaia obrabotka detalei mashin i priborov.
Leningrad, Lenizdat, 1965. 124 p. (MIRA 18:10)

BRONSHTEYN, Yakov Isaakovich, kand. tekhn. nauk; KUR'YANOVA, O.V.,
red.

[At the steering wheel without accidents; what every
driver should know] Za rulem bez avarii; chto dolzhen
znat' kazhdyi avtomobilist. Leningrad, Lenizdat, 1965.
207 p. (MIRA 18:8)

KUR'YANOVA, Ye. I.

Reserpine therapy in hypertension. Trudy LSGMI 40:143-149
'58. (MIRA 12:8)

1. Fakul'tetskaya terapevticheskaya klinika Leningradskogo
sanitarno-gigiyenicheskogo meditsinskogo instituta (zav.
klinikoy - prof.A.A.Kedrov).
(RESERPINE, ther. use,
hypertension (Rus))

KUR'YANOVA, Ye.N.

Dynamics of sedimentation of erythrocytes and blood protein fractions in phases of fulmination and remission of pulmonary tuberculosis. Probl.tub. 34 no.6 supplement:6-7 N-D '56.

(MIRA 10:2)

1. Iz fakul'tetskoy terapevticheskoy kliniki (zav. - prof. V.A. Val'tsman) Leningradskogo pediatricheskogo meditsinskogo instituta (dir. - prof. N.T.Shutova)

(TUBERCULOSIS, PULMONARY, blood in, sedimentation, in remission & fulmination stages (Rus))

(BLOOD SEDIMENTATION, in various diseases, tuberc., pulm., in remission & fulmination stages (Rus))

KUR'YANOVA, Ye.N., kand.med.nauk

Tuberculosis and the cardiovascular system. Vop. pat. krovi i krovoobr.
no.5:145-153 '59. (MIRA 15:4)
(TUBERCULOSIS) (CARDIOVASCULAR SYSTEM—DISEASES)

KUR'YANOVA, Ye.N.; DAVYDOVA, N.K.

Use of metazide in treating tuberculous meningitis. Khim. i med.
no.14:76-81 '60. (MIRA 14:12)

1. Fakul'tetskaya terapevticheskaya klinika (zav. - zasluzhennyy deyatel'
nauki prof. V.A.Val'dman) Leningradskogo pediatricheskogo meditsinskogo
instituta (dir. - prof. N.T.Shutova) i 1-ye tuberkuleznoye otdeleniye
bol'nitsy imeni V.V.Kuybysheva (glavnyy vrach T.M.Korotkova).
(MENINGES) (METAZIDE)

LUKIN, V.V.; KUR'YANOVA, Z.V.

Electronic calculating machines for accounting and control in the
chemical industry abroad. Khim.i tekhn. topl. i masel 7 no.2:49-
52 F '62. (MIRA 15:1)

1. Vsesoyuznyy institut nauchnoy i tekhnicheskoy informatsii.
(Electronic calculating machines) (Chemical industries)
(Production control)

KUR'YANOVA-YANCHENKO, Ye.N., kand.med.nauk

Blood serum proteins in pulmonary tuberculosis. Vop.pat.krovi
i krovoobr. no.6:174-181 '61. (MIRA 16:3)
(BLOOD PROTEINS) (TUBERCULOSIS)

KUR'YANOVA-YANCHENKO, Ye.N., kand.med.nauk

Thermographic observations in pulmonary tuberculosis. Vop.pat.
krovi i krovoobr. no.6:182-185 '61. (MIRA 16:3)
(TUBERCULOSIS) (BODY TEMPERATURE)

KUR'YANOVA-YANCHENKO, Ye.N., kand.med.nauk

Thermographic observations in the initial forms of pulmonary tuberculosis in adults. Trudy LPMI 31 no.2:312-316 '63.

(MIRA 17:10)

1. Iz kafedry fakul'tetskoy terapii Leningradskogo pediatricheskogo meditsinskogo instituta.

KUR'YANOVICH, I.I., red.

[Orsk Petroleum Refinery] Orskii neftepererabatyvaiushchii.
Orenburg, Orenburgskoe knizhnoe izd-vo, 1963. 39 p.
(MIRA 17:7)

KHARIN, Aloksey Petrovich; KUR'YANOVICH, I.I., red.

[Potentials of the machinery industry] Rezervy mashino-
stroitel'nogo proizvodstva. Orenburg, Orenburgskoe knizh-
noe izd-vo, 1963. 99 p. (MIRA 17:7)

SOV/20-122-1-12/44

15(8), 24(8)
AUTHORS:

Zel'dovich, Ya. B., Academician, Kormer, S. B., Sinitsyn,
M. V., Kuryapin, A. I.

TITLE:

The Temperature and the Specific Heat of Plexiglass Compressed
by a Shock-Wave (Temperatura i teplotnost' pleksiglasa
szhatogo udarnoy volnoy)

PERIODICAL:

Doklady Akademii nauk SSSR, 1958, Vol 122, Nr 1, pp 48-50
(USSR)

ABSTRACT:

Compression by a shock wave is a means of obtaining high pressures and high temperatures which cannot be obtained by other methods. The investigation of transparent bodies permits an immediate determination of temperature by measuring the brightness of the body compressed by the shock wave. After an intense compression (by which a temperature of some thousands of degrees is attained) an initially transparent substance becomes opaque and radiates intensely. This phenomenon is caused by a displacement of the electron levels and by an excitation of the electrons. The radiation of the front of the shock waves was observed through a layer of

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SOV/20-122-1-12/44

The Temperature and the Specific Heat of Plexiglass Compressed by a Shock-Wave

the not yet compressed transparent substance and it was recorded by photochronographs in 2 parts of the spectrum: $\lambda = 4020 \text{ \AA}$ (blue) and red ($\lambda = 6000 \text{ \AA}$). The authors determined the temperature in polymethyl metacrylate ($\text{C}_5\text{H}_8\text{O}_2$)_n (plexiglass) of an initial density of $1,18 \text{ g/cm}^3$. The velocity of the shock wave was $16,5 \text{ km/sec}$. In the compressed state, the density was equal to $3,15 \text{ g/cm}^3$, pressure was $2 \cdot 10^{12} \text{ dyne/cm}^2$. By 3 experiments the following quantities were determined: the brightness temperature deduced from the intensity of the radiation in the red part of the spectrum ($8300 \pm 500^\circ \text{K}$) and the color temperature, deduced from the ratio of the intensities in the red and in the blue parts of the spectrum ($11\,000 \pm 1\,000^\circ \text{K}$). For the energy of the compressed plexiglass, the value $E = P(V_0 - V)/2 = 0,53 \cdot 10^{12} \text{ erg/g}$ was found. Thermal pressure is equal to $\sim 1,3 \cdot 10^{12} \text{ dyne/cm}^2$ and the thermal energy of the atoms amounts to $\sim 0,31 \cdot 10^{12} \text{ erg/g}$. The elastic pressure was determined as being the difference between the total and the thermal pressures, i.e. $0,7 \cdot 10^{12} \text{ dyne/cm}^2$. An expression is then given for the elastic energy. The compression causes a thorough destruction

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SOV/20-122-1-12/44

The Temperature and the Specific Heat of Plexiglass Compressed by a Shock-Wave

of the molecules, but the energy is not sufficient to cause a total interruption of all the chemical bonds. The conception of single molecules cannot be applied to densities of $\sim 3 \text{ g/cm}^2$. The optical investigations of the transparent bodies are continued. The authors thank L. V. Al'tshuler, I. Sh. Model', and Yu. P. Rayzer for their constant interest in this paper. There are 4 references, all of which are Soviet.

SUBMITTED: June 4, 1958

Card 3/3

KURIASHOV, B. A.

Author: Kuriashov, B. A.

Title: Biological fundamentals of the vitamin concept. 542 pp
(Biologicheskie osnovy uchenia o vitaminakh)

City: Moscow

Publisher: Soviet Science

Date: 1948

Available: Library of Congress

Source: Monthly List of Russian Accessions, Vol. 3 No. 11, p. 673
Feb., 1950

KURYASHOV, B.A., prof.; FAN' MU-CHZHEN'; BAZAZ'YAN, G.G.; SYFINA, N.P.

Antihemophilic globulin in experimental prethrombotic state
of the body caused by atherogenic diet. Probl. gemat. i
perel. krovi no.12:29-31'62. (MIRA 16:8)

1. Iz laboratoruu fiziologii i biokhimii svertyvaniya krovi
Moskovskogo gosudarstvennogo universiteta.
(BLOOD--COAGULATION) (GLOBULIN)

KURIYASIN, T.I., inzhener.

Complete mechanization in erection of walls made of coarsely porous concrete. Mekh.trud.rab. 7 no.7:40-42 J1 '53. (MLRA 6:7)
(Concrete construction)

KURYATNIKOV, A.

"Some Peculiarities in the Operation of Radio Relay Stations in Mountains and at Low Temperatures," pp24-25

Abst: The author considers climatic factors which complicate the development and exploitation of military radio relay stations. Methods are given for obtaining satisfactory operation of stations in mountain areas and in regions with low temperatures.

SOURCES: Voyenny Svazist (Military Communicator), 1957, I, No 1

Sum 1854

KURYATNIKOV, A.

New consumers' goods. Mest.prom.i khud.promys. 1 no.2/3:3 N-D
'60. (MIRA 14:4)

1. Nachal'nik oblastnogo upravleniya mestnoy promyshlennosti, Gor'kiy.
(Gorkyi—Manufactures)

KURYATNIKOV, A.A.

Short service life of some diesel locomotive parts. Zhel. dor.
transp. 47 no.9:68-70 S '65. (MIRA 18:9)

1. Zamestitel' nachal'nika planovogo otdela Upravleniya snabzheniya
zapasnymi chastyami Ministerstva putey soobshcheniya.

KURYATNIKOV, A.A.; VUL'F, V.V., retsenzent; PESKOVA, L.N., red.;
MEDVEDEVA, M.A., tekhn. red.

[Receiving, storage and transportation of the spare parts of
diesel locomotives] Priemka, khranenie i transportirovka
zapasnykh chastei teplovozov. Moskva, Transzheldorizdat,
1963. 27 p. (MIRA 16:6)
(Diesel locomotives--Equipment and supplies)

VYATKIN, S.Ye.; KURYATNIKOV, A.I.; LEBEDEV, S.I.; LYALNIK, N.M.;
STERLYADKINA, Ye.K.

Use of fibrous materials in industry. Konstr. upograd. mat.
no.1:58-63 '64. (MIRA 17:11)

KURYANOV, A.I.; KURASH, G.I.; YERASH, E.M.

Certain theoretical prerequisites for the production of heat
insulating materials. Konstr. i spetsial. mat. no.1:64-68 '64.
(MIRA 17:11)

L. 18475-66 EMT(d)/EMT(m)/EMA(d)/EMP(t)/EMP(k)/EMP(l) JD/HW
ACC NR: AR6009958 SOURCE CODE: UR/0137/65/000/012/D012/D013

AUTHOR: Kaufman, M. M.; Gleyberg, A. Z.; Finkel'shteyn, Ya. S.; Kuryatnikov, A. V.;
Kukarskikh, V. N.; Chemerinskaya, R. I.; Salyuk, L. A.; Pil'nikova, N. N.; Vedyakin,
N. M.; Sultinskikh, A. N.; Kalugin, Ya. P.

ORG: none

TITLE: Improving the quality of stainless steel pipe 54
B

SOURCE: Ref. zh. Metallurgiya, Abs. 12D101 ^{44/14} 57

REF SOURCE: Sb. Proiz-vo svarn. i besshovn. trub. Vyp. 4. M., Metallurgiya, 1965,
51-59

TOPIC TAGS: stainless steel, pipe, metal rolling, metal heat treatment, metal
inspection, steel/Kh18N10T steel

TRANSLATION: An intensified process is developed for heating metal. Experi-
mental rolling showed that use of this process reduces scrap due to flaws on
the interior surface of pipes to $\frac{1}{3}$ at primary inspection. Reducing tempera-
ture for metal heating and pipe rolling and increasing feed angle of rolls
on the piercing mill (10° - $10^{\circ} 30'$) improves pipe quality. Kh18N10T steel
with a high concentration of α -phase (14-16%) results in an increased rate
of pipe scrap at initial inspection (up to 70%), as well as a high percentage
of rejects at final inspection (up to 70%), as well as a high percentage of
rejects at final inspection (up to 15%). Therefore this grade of steel with
an α -phase concentration of more than two points ball cannot be recommended
for pipe production. L. Kochenov. [JPRS]

Card 1/1 SUB CODE: 13

UDC: 621.785.1

L 57538-65 EWT(d)/EWT(m)/EWP(c)/EWA(d)/EWP(v)/T/ EWP(t)/EWP(v)/EWP(h)/
EWP(b)/EWP(l)/EWA(c) Pf-l. JD/HW
ACCESSION NR: AR5015178

UR/0137/65/000/005/D035/D035

SOURCE: Ref. zh. Metallurgiya, Abs. 5D212

57
P

AUTHOR: Rozenfel'd, N. B.; Bykov, F. M.; Kurvatnikov, A. V.; Mogilevkin, F. D.;
Kugayevskiy, N. V.; Karpenko, L. N.; Yerokhin, S. A.; Rinkel'shteyn, Ya. S.

TITLE: Increasing accuracy in the production of thin walled tubes in a type 114
automatic apparatus

CITED SOURCE: Sb. Proiz-vo svarn. i besshovn. trub. Vyp. 2. M., Metallurgiya,
1964, 84-88

TOPIC TAGS: metal tube, metal boring, milling machine, metalworking machine/
114 automatic apparatus

TRANSLATION: The article demonstrates the possibility of manufacturing tubes with
diameters of 76, 83, and 89 mm with a wall thickness of 3.25 mm under existing
technology. A study was made of the influence of the form of the boring instrument
on the accuracy of the wall thickness of rolled tubes, and the expediency of using
an automatic mill bit with an "ovalization" of 0.04-1.06 is pointed out. It is
established that with a redistribution of the deformation between the first and
second passages of an automatic mill (that is, with a decrease in the difference
Card 1/2

L 57536-65

ACCESSION NR: AR5015178

between the diameters of the mandrels to 1 mm), the accuracy of the tubes is increased. A. Leont'yev.

SUB CODE: MM, IR

ENCL: 00

dm
Card 2/2

KURYATNIKOV, E.

AID P - 5536

Subject : USSR/Aeronautics - Model building
Card 1/1 Pub. 58 - 10/15
Authors : Kuryatnikov, E., Yu. Moroko, V. Litvak, A. Tarakanov
Title : Our readers suggest
Periodical : Kryl. rod., 12, 16-17, D 1956
Abstract : Four letters of the readers of the Wings of the Nation:
1) describing the construction of model wings and
empennage of thin profile; 2) advocating the use of
corn as model building material; 3) instructing in the
building of indoor models of helicopters; and 4) out-
lining the functioning of the rotors on the gyroplane
models. 4 drawings.
Institution : None
Submitted : No date

KURYATNIKOVA, R.A.

Producing the seed of the "Zolotoi shar" bulb onion in the northern
Aral Sea region. Dokl. Akad. sel'khoz. 24 no.3:15-18 '59.
(MIRA 12:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut rasteniyevodstva.
Predstavlena akademikom D.D. Brezhnevym.
(Aral Sea region—Onions)

KURYATNIKOVA, R.A.

Biology of the flowering of bulb onions in the semidesert zone of the northern Aral Sea region. Trudy po prikl. bot., gen. 1 ser. 32 no.3:223-227 '59. (MIRA 14:5)
(Aral Sea region—Onions)

KURYATNIKOVA, R.A.

"Features of the Biology of the Common Onion in the Semi-desert
Zone of the Northern Aral Region and the Development of More Effective
Ways of Cultivating the Seeds";
dissertation for the degree of Candidate of Agricultural Sciences
(awarded by the Timiryazev Agricultural Academy, 1962)

(Izvestiya Timiryazevskoy Sel'skokhozyaystvennoy Akademii, Moscow, No. 2,
1963, pp 232-236)

15(b)

AUTHORS: Nikolayeva, T. N., Kuryatnikova, V. G. SOV/64-58-6-14/15

TITLE: A Method of Repairing Defects in "Ftoroplast-3" Coatings
(Metod ispravleniya defektov pokrytiya iz ftoroplasta-3)

PERIODICAL: Khimicheskaya promyshlennost', 1958, Nr 8,
pp 499 - 500 (USSR)

ABSTRACT: Because of its excellent chemical, electrical and mechanical properties polytrifluoro chloro ethylene (I) ("ftoroplast-3") is being used to an ever greater extent for the coating of various corrosion-resistant metal objects. Since (I) does not dissolve in organic solvents several layers of coating with (I)-suspensions (in different solvents) can be obtained (Ref 1). Polymeric particles are molten onto the surface at 270° so that they form the coating. However, (I) is still rather viscous at 270° and therefore cannot fill up little cavities in the metal surface, which results in defects in the coating. These defects can be eliminated by treating pulverized (I) with a blast burner (Refs 3,4). The defective metal objects are heated to 220 - 240°, and pulverized (I) softened at 130° and screened through a 025 screen is blown

Card 1/2

A Method of Repairing Defects in "Ftoroplast-3"
Coatings

SOV/64-58-8-14/19

onto the defective spots by an air-acetylene flame. Both the UPN-1 and UPN-4 apparatus designed by VNIItvlogen can be used. The (I)-powder is manufactured by the Nauchno-issledovatel'skiy institut polimerizatsionnykh plastikov (Scientific Research Institute for Polymerization Plastics). There are 4 references, 2 of which are Soviet.

Card 2/2

18.8310

15.8115

S/191/60/000/001/010/015
B016/B054

AUTHORS: Nikolayeva, T. N., Kuryatnikova, V. G.

TITLE: Simplified Method of Producing a Ftoroplast-3 Anticorrosive Coating

PERIODICAL: Plasticheskiye massy, 1960, No. 1, pp. 44-46

TEXT: The authors report on their simplified methods of producing protective coating of Ftoroplast-3, which grant metal surfaces a good protection from corrosion by concentrated acids, alkalis, H₂O₂, bromine, and others. X

They describe the hitherto usual procedure, developed by GIPKh (State Institute of Applied Chemistry) together with NIIPP (Scientific Research Institute of Plastic Materials), which was simplified in the following way:
a) A method of applying Ftoroplast-3 in the form of a finely disperse powder by means of a flame was developed. The powder passes through an acetylene-air flame from a burner of the type УПН-4 (UPN-4), is intensively heated, and partly molten. When striking a metal surface heated to 240-270°C, the powder sticks to it. A 70-80 μ thick powder layer is formed

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Simplified Method of Producing a Ftoroplast-3 Anticorrosive Coating

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in this way (instead of 10-15 μ in the hitherto usual method). It is molten to a homogeneous film at 270°C within 1 h. This procedure permits the application of up to 200-220 μ thick layers in three operations (instead of 12-16 operations in the old procedure). The authors recommend this method for the production of coatings for pipe coils, tubes, and mixers, and linings for apparatus covers and open tanks. b) Further, the authors tested the effect of plasticizers on the quality of Ftoroplast-suspension coats to prevent cracking. These plasticizers were fluorine-chlorine-carbon oils and lubricants:

<u>Type</u>	<u>Valid VTU GIPKh standard</u>
3 Φ (3F)	EY-96-57 (YeU-96-57)
4 Φ (4F)	EY-160-57 (YeU-160-57)
10-OK (10-OK)	EY-159-57 (YeU-159-57)
No. 12 (liquid)	EY-158-57 (YeU-158-57)

Among these plasticizers, liquid No. 12 yielded positive results (amount 2.0-2.5% by weight of the suspension). No. 12 is obtained in the production of fluorinated oils and lubricants. A table shows comparative data

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concerning coatings plasticized with No. 12 and not plasticized. To prevent the formation of corrosion products due to a certain acidity of No. 12, the authors recommend to apply the first two layers without a plasticizer. Another prophylactic method, VTU 30007-58 of the Lensovnarkhoz (Leningrad Council of National Economy), is based on the admixture (1.5% by weight of the dry suspension residue) of nitrite dicyclohexylamine as a corrosion inhibitor. Ftoroplast-3 suspensions are suited for the production of outside and inside coats on the devices mentioned. There are 1 table and 9 references: 4 Soviet and 1 British. X

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S/852/62/000/000/005/020
B107/B107

AUTHORS: Nikolayeva, T. N., Kuryatnikova, V. G., Kudryavtseva, N. S.
TITLE: Anticorrosive fluoroplastic-3 and fluoroplastic-3M (3M) coatings
SOURCE: Primeneniye polimerov v antikorrozionnoy tekhnike. Ed. by I. Ya. Klinov and P. G. Udyma. Moscow, Mashgiz, 1962. Vses. sovet nauchno-tekhn. obshchestv. 44 - 47

TEXT: The method of applying fluoroplastic-3 and fluoroplastic-3M has been improved: (1) A single fluoroplastic-3 layer is 15 - 20 μ thick; one coating requires 16 layers. A 2 - 2.5 % addition of No. 12 BTY (No. 12 VTU) and No. EY 158-57 (No. YeU 158-57) liquids enables the number of layers to be reduced to 5 - 7 by reason of the layers being thickened to 40 - 50 μ . For sandblasted steel surfaces it is recommended that the first layer should be applied as a Cr_2O_3 suspension without liquid No. 12. (2) A method was developed for the flame-spraying of fluoroplastic-3. УНН(УРН) devices of the VNIIVtogen have been used for this purpose. For 1-2 hrs the fluoroplastic powder is dried at 130°C
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Anticorrosive fluoroplastic-3 and ...

and then sieved through a 025 sieve. The object is heated to 250 - 270°C and the flame is so adjusted as to soften the sprayed powder without melting it. The object is then kept at 270°C for one hour. A single layer may have a thickness of 60 - 80 μ. This method has been developed for objects with a minimum diameter of 350 - 400 mm. Such coatings have the same mechanical and chemical properties as others applied by brushing. (3) One difficulty is that every fluoroplast layer has to be melted under thermostatic control at 270°C. In 1959 the Ural'skiy khimicheskiy institut (Ural Institute of Chemistry, UNIKHIM) Sverdlovsk, developed a method of heating smaller objects to the required temperature by induction. Heating to 270 - 280°C takes 180 - 200 seconds; conditions: 25-25-5 v, 300-306 a, 2.4 kw. The development was continued in 1960. (4) Fluoroplastic-3M protects against corrosion up to 150°C, fluoroplastic-3, however, only to 80 - 90°C, as crystallization then begins. The following results were obtained with fluoroplastic-3M: Fluoroplastic-3M may be applied as a 3% suspension in alcohol, after which it is dried in air and heated for 30 to 60 minutes according to size. The layer thickness suited best is 300 - 400 μ. Slow cooling in a furnace is better than quenching in cold water as fluoroplastic-3. Another improvement is reached by 10-hr heating to
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260°C after application of the last layer. (5) The adhesion of fluoroplastic-3M coatings at 100, 140, and 170°C was studied. At 140°C, and especially at 170°C, the coating assumes a stable structure which remains unchanged for months, even at 100°C. Treatment at 100°C reduces adhesion even after few hours. (6) The chemical resistivity of fluoroplastic-3M coatings was determined: for 10 months at 50°C it is resistant to concentrated hydrochloric, sulfuric, and nitric acids, and for 12 months at 140°C to concentrated sulfuric acid. (7) An addition of manometer liquid and liquid No. 12 (mixture of 0.5 % each) allows an increase in the layer thickness of fluoroplastic-3M to 50 μ. The Shchelkovskiy khimicheskiy zavod (Shchelkovo Chemical Works) and other works have started the industrial production of such coatings. There is 1 table. ✓

Card 3/3

KUR'YATNIKOVA, V.N.

Case of isolation of *P. tularensis* from a marmot in Borzha District,
Chita Province. Izv. irk. gos. nauch.-issl. protivochum. inst.
21:128-130 '59. (MIRA 14:1)
(BORZHA DISTRICT (CHITA PROVINCE)—PASTEURELLA TULARENSIS)
(MARMOT)

KUR'YATO, A.V., inshener.

Calculation of heat modifications in dredging pipelines. Gidr.stroi. 22 no.
10:34-36 0 '53.

(MIRA 6:10)

(Dredging machinery)

KURYATOV, M.

Profitable for the state and collective farms. Fin. SSSR 19
no.4:42-43 Ap '58. (MIRA 11:4)

1. Predsedatel' kolchoza im. Stalina Kuntsevskogo rayona Moskovskoy
oblasti.

(Collective farms)

(Machine-traction stations)

L 17984-66 FBD/EWT(1)/EEC(k)-2/T/EWP(k)/EWA(h) IJP(c) WG
ACC NR: AP6007005 SOURCE CODE: UR/0051/66/020/002/0324/0326

AUTHOR: Kuryatov, V. N.; Fradkin, E. Ye.

ORG: none

TITLE: Effect of the resonator configuration on the emission power of a laser

SOURCE: Optika i spektroskopiya, v. 20, no. 2, 1966, 324-326

TOPIC TAGS: laser optics, gas laser, laser emission

ABSTRACT: The authors study the effect which the shape and relative location of the mirrors in a gas laser have on the emission power. A helium-neon laser with external mirrors operating on a wavelength of 1.15 μ was used. The internal diameter of the cell was 15 mm and the length of the resonator could be changed from 89 to 300 cm by moving one of the mirrors. Three series of experiments were conducted. In the first series, the emission power was measured as a function of the distance between the mirrors for a resonator with one plane and one spherical mirror in which a single maximum was observed at a distance between mirrors corresponding to the focal length. In the second series of experiments, two spherical mirrors were used

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UDC: 621.375.9 : 535

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25,44

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L 17984-66

ACC NR: AP6007005

with differing radii of curvature: 2.021 m and 6.650 m. A single emission maximum was observed at a mirror distance of 1.37 m. In the third series, two spherical mirrors with identical radii of curvature were used and emission maxima were observed at intermirror distances equal to the radius of curvature or to half the radius of curvature. A wide maximum was also observed at approximately 0.7 times the radius of curvature. The following factors are considered with regard to their effect on variation in the emission power of the laser: 1. a change in diffraction losses; 2. a change in the spectrum of the emission frequencies; 3. a change in the spatial distribution of the field within the resonator. "The authors are grateful to N. I. Kaliteyevskiy and M. P. Chayka for stimulating discussions." Orig. art. has: 2 figures, 2 formulas. [14]

SUB CODE: 20/ SUBM DATE: 23Oct64/ ORIG REF: 001/ OTH REF: 005/ ATD PRESS:

H213

Card 2/2

КЛЕПАТОВ, В.В.

21712 КЛЕПАТОВ, В.В. Rayota lanry so svoyodnoy. Trudy Mosk. Zhetret.
IN-Ta. IM Kolotova, VIP. 4, 1949, 3 5-20 -- yoyliorp: 8 Nazv.

SO: Leto is 'Zhurnal'nykh Statey, No. 29, Moskva, 1949

1 1966-66 EEC(k)-2/EWP(k)/EWT(1)/FBD/T IJP(c) WB

ACC NO: AP6024856

SOURCE CODE: UR/0056/66/0051/001/0003/0012

AUTHOR: Klimontovich, Yu. L.; Kuryatov, V. N.; Landa, P. S.

ORG: Moscow State University (Moskovskiy gosudarstvennyy universitet)

TITLE: Wave synchronization in a gas laser with a ring resonator

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 51, no. 1, 1966, 3-12

TOPIC TAGS: laser, ~~mode locking~~, laser theory, coherent light, *wave mechanics*

ABSTRACT: Mode locking of two opposite waves in a ring laser is studied in the case when frequency mismatch between them is possible. The zero and first harmonics of the density matrix elements are taken into account in the calculation of polarization. A formula for the mode locking region width is derived for single-mode operation by taking into account second-order terms with respect to the mirror reflection coefficient. Results of an experimental investigation of the dependence of the mode locking region width on the magnitude and phase of the reflection coefficient are presented. The reflection coefficient was changed by introducing an additional mirror. The dependence of mode locking band on the reflection coefficient agrees qualitatively with the results of the calculations. Orig. art. has: 39 formulas and 6 figures. [CS]

SUB CODE: 20/ SUBM DATE: 06Dec65/ ORIG REF: 005/ OTH REF: 002/ ATD PRESS:

5043

Card 1/1 *pb*

KURYAVA, M.T.

USSR/General Problems of Pathology -
Tissue Transplantations and Tissue Therapy.

U-2

Abs Jour : Ref Zhur - Biol., No 5, 1958, 22863

Author : Kuryava, M.T.

Inst : -

Title : The Effect of the Duration of Tissue Preservation on
Therapeutic Efficacy.

Orig Pub : Oftal'mol. zh., 1956, No 6, 393-398

Abstract : Extracts from aloe leaves and placentas preserved for
2 years at the room temperature in darkness, have been
studied. Biologic tests demonstrated no decrease in
activity. These extracts were used for the treatment
of 60 patients with myopic chorioretinitis. Both pre-
parations had the same therapeutic activity. Most pa-
tients displayed an improvement in visual acuity, wide-
ning of visual fields and a decrease in the enlarged
blind spot.

Card 1/1

Курява, М.Т.

KURYAVA, M.T., mladshly nauchnyy sotrudnik

Changes in the iris following the use of phosphacol. Oft.zhur. 12
no.4:234-236 '57. (MIRA 10:11)

1. Iz Ukrainskogo nauchno-issledovatel'skogo eksperimental'nogo
instituta galznykh bolezney i tkanevoy terapii im. akad. V.P.
Filatova (direktor - prof. N.A.Puchkovskaya)
(IRIS (EYE)) (PHOSPHORIC ACID)

KURYAVA, M. T., Cand Med Sci -- (diss) "^{Effect}~~Influence~~ of repeated steriliza-
tion and duration of storage of tissues^a preparations upon their biolo-
gical activity and therapeutic effectiveness." Odessa, 1958. 14 pp
(Odessa State Med Inst im N. I. Pirogov), 200 copies (KL, 18-58, 103)

--113--

KURYAVA, M.T., kand. med. nauk

"Control of blindness and glaucoma," on the fortieth anniversary
of the Communist Party of the Ukraine. Oft. zhur. 14 no.2:124-128
'59. (MIRA 12:7)

(UKRAINE--OPHTHALMOLOGY)

KUR'YAVTSEV, P. N.

Wvine breeding 3. izd. ispr. i dop. Moskva, 4os. izd-vo selkhoz. lit-ry, 1955. 261 p.

BELYAYEV, V.I.; ANNENKOVA, V.Z.; IVANOVA, I.I.; UBYUMOVA, G.S.;
KURYAYEV, B.S. (deceased),

Polymerization of α -chloroacrolein. Izv. SO AN SSSR no.3
Ser. khim. nauk no.1:144-145 '65. (MIRA 18:8)

1. Irkutskiy institut organicheskoy khimii Sibirskogo
otdeleniya AN SSSR.

KURYAYEV, Timofey Antonovich; CHERNENOK, Mikhail Yakovlevich; YAVORSKIY,
I.P., retsenzent; SUKHARIN, V.I., retsenzent; ALEKSYEV, V.I.,
red.izd-va; YERMAKOVA, T.T., tekhn.red.

[Manual for amateur motorboat drivers] Posobie sudovoditeliu-
liubiteliu. Moskva, Izd-vo "Rechnoi transport," 1959. 97 p.
(MIRA 12:9)

(Motorboats)

KURYAYEV, Timofey Antonovich; CHERNEMOK, Mikhail Yakovlevich;
RENSKIY, N.M., retsenzent; LEONT'YEVSKIY, Ye.S., red.;
SARATOV, V.F., red.; MAKRUSHINA, A.N., red. izd-va;
RIDNAYA, I.V., tekhn. red.

[Manual for operators of motorboats and launches] Posobie vo-
diteliu motornoi lodki i katera. Moskva, Izd-vo "Rechnoi
transport," 1962. 210 p. (MIRA 15:9)
(Motorboats—Handbooks, manuals, etc.)

KHAT'YANOV, F.I.; SHUL'TS, Ya.I.; KURYAYEVA, V.V.

Seismic prospecting using the controlled directional sensitivity method in search for reef massifs in the southern cis-Ural region. Geol.nefti i gaza 7 no.2:27-33 F '63. (MIRA 16:2)

1. Bashneftegeofizika.

(Ural Mountain region--Seismic prospecting)

(Ural Mountain region--Reefs)

KURYBINA, N.

"Economic problems of production organization" by S.A.Kheinman.
Reviewed by N.Kurybina. Sots. trud 7 no.9:152-154 S '62.
(MIRA 15:9)
(Industrial management) (Kheinman, S.A.)

KUR'YE, Ts.Yu.

Result of the treatment of tonsillitis with antibiotics in candy and activators. Vest. otorinolar., Moskva 14 no.1:78-79 Jan-Feb 52.

(CIML 21:4)

1. Of the Department of Diseases of the Ear, Throat and Nose of Sverdlovsk Medical Institute and of the Division for Diseases of the Ear, Throat and Nose of the First Sverdlovsk Municipal Clinical Hospital.

А.А. Давалтер
DAUVAL'TER, Aleksandr Nikolayevich; ~~KUR'YENEN, A.A.~~, retsenzent; LYULYUKINA,
V.F., nauchnyy redaktor; VARSHAVSKAYA, L.S., redaktor; MEDVEDEVA,
L.A., tekhnicheskyy redaktor

[Crystal, stained, and opal glass] Khrustal'nye, tsvetnye i opalovye
stekla. Moskva, Gos.nauchno-tekhn.isd-vo M-va legkoi promyshl. SSSR,
1957. 234 p. (MLR 10:7)
(Glass)

KUR'YEROV, V.

Economy of the United States is on the threshold of a new depression.
Vnesh. torg. 42 no.10:44-47 '62. (MIRA 15:10)
(United States—Economic conditions)

POLYANIN, D.V.; ZOTOV, G.M.; GRYAZNOV, E.A.; MENZHINSKIY, Ye.A.; RUBININ, A.Ye.; CHEBOTAREVA, Ye.D.; ZAKHMATOV, M.I.; OKUNEVA, L.P.; SHMELEV, V.V.; STULOV, A.A.; POKROVSKIY, A.N.; SHIL'DKRUT, V.A.; IVANOV, A.S.; NABOROV, V.B.; FINOGENOV, V.P.; KUR'YEROV, V.G.; KHRAMTSOV, B.A.; BATYGIN, K.S.; BOGDANOV, O.S.; KROTOV, O.K.; GONCHAROV, A.N.; KRESTOV, B.D.; LYUBSKIY, M.S.; SOKOL'NIKOV, G.O.; KAMENSKIY, N.N.; YASHCHENKO, G.I.; SAEEL'NIKOV, L.V.; GERCHIKOVA, I.N.; FEDOROV, B.A.; STEPANOV, G.P.; BORODAYEVSKIY, A.D.; INGATUSHCHENKO, S.K.; VARTUMYAN, E.L.; KAPELINSKIY, Yu.N., red.; MAYOROV, B.V., red.; NABOROV, V.B., red.; SOLODKIN, R.G., red.; DROZDOV, A.G., red.; ROSHCINA, L., red.; SOLOV'YEVA, G., mladshiy red.; CHEPELEVA, O., tekhn. red.

[The economy of capitalist countries in 1961; economically developed countries] Ekonomika kapitalisticheskikh stran v 1961 godu; ekonomicheski razvitye strany. Pod red. IU.N.Kapelinskogo. Moskva, Sotsekgiz, 1962. 447 p. (MIRA 16:2)
(Economic history)

IVKOV, A.D.; KIRYAKINA, G.K.; KUR'YEV, Yu.N.

Characteristics of anesthesia in regional perfusion. Ortop.
travm. i protez. 26 no.6:36-40 Je '65. (MIRA 18:8)

1. Iz kafedry travmatologii i ortopedii (nachal'nik - prof.
I.L. Krupko) Voyenno-meditsinskoy ordena Lenina akademii imeni
Kirova. Adres avtorov: Leningrad K-9 Botkinskaya ul., d.13
klinika ortopedii i travmatologii Voyenno-meditsinskoy akademii
imeni Kirova.

LYTKIN, M.I., prof. (Leningrad K-156, prospekt Engel'sa d.7, kv.136);
LEBEDEV, L.V., kand. med. nauk; KURYGIE, A.A.

Alloplasty of arteries in injuries of the main vessels and
their sequelae. Ortop., travm. i protez. 26 no.8:23-28 Ag '65.
(MIRA 18:9)

1. Iz kliniki fakul'tetskoy khirurgii imeni prof. Fedorova
(nachal'nik prof. V.M. Sitanko) Voenno-meditsinskoy akademii
imeni Kirova.

KURYGIN, A.A.

Acute ileitis. Zdrav. Bel. 7 no.3:63-64 Mr '61. (MIRA 14:3)
(ILEUM—DISEASES)

KUFYGIN, A.A.; SMIRNOV, A.D. (Leningrad)

Histological changes following replacement of arteries by lavsan prosthesis. Arkh. pat. 26 no.12:45-51 '64.

(MIRA 18:5)

1. Kafedra fakul'tetskoy khirurgii imeni Fedorova (nachal'nik - prof. V.M.Sitenko) Voenno-meditsinskoy ordena Lenina akademii imeni Kirova. Nauchnyye rukovoditeli V.M.Sitenko i I.A.Chaliso.

KURYGIN, A.A.

Some causes of unfavorable results in arterial alloplasty.
Vest. khir. 94 no.2:32-35 F '65. (MIRA 18:5)

1. Iz fakul'tetskoy khirurgicheskoy kliniki imeni Fedorova
(nachal'nik - prof. V.M. Sitenko, nauchnyye rukovoditeli
raboty - V.M. Sitenko i I.A. Chalisov) Voenno-meditsinskoy
ordena Lenina akademii imeni Kirova.

KURYGIN, A.A. (Leningrad, Botkinskaya ul., 15, kv.239)

Morphological changes following arterioplasty using lavsan prostheses
in man. Vest. khir. 92 no.3:96-102 Mr '64.

(MIRA 17:12)

1. Iz fakul'tetskoy khirurgicheskoy kliniki imeni S.P.Fedorova
(nachal'nik - prof. V.M.Sitenko) Voenno-meditsinskoy ordena Lenina
akademii imeni Kirova.

KURYGIN, G. V.

KURYGHIN, G. V.: "Protective nervous mechanisms in the development of hemotransfusion shock with acute pulmonary edema". Leningrad, 1955. Leningrad State Pediatrical Medical Inst.
(Dissertation for the Degree of Candidate of Medical Sciences)

SO: Knizhnaya Letopis' No. 51, 10 December 1955

KURYGIN, G.V.; MAKAROV, K.S.

Pulmonary edema and tachypylaxia in white rats following the intravenous injection of plastelin obtained from pepsin hydrolyzate of bull serum proteins. Nauch. dokl. vys. shkoly; biol. nauki no.1:65-69 '66. (MIRA 19:1)

1. Rekomendovana kafedrami patofiziologii i obshchey khirurgii Yaroslavskogo meditsinskogo instituta. Submitted March 6, 1965.

KURYGIN, G.V.

Experimental heterologous blood transfusion shock in white rats accompanied by pulmonary edema [with summary in English]. Biul. eksp.biol. i med. 45 no.6:114-116 Je '58 (MIRA 11:8)

1. Iz kafedry patofiziologii (zav. - prof. T.I. Beslekoyev) Yaroslavskogo meditsinskogo instituta. Nauchnyy rukovoditel' raboty - prof. A.M. Dubinskiy. Predstavlena deystvitel'nyy chlenom AMN SSSR V.N. Chernigovskim.

(PULMONARY, EDEMA, experimental,
prod. by transfusion of heterologous blood (Rus))
(BLOOD TRANSFUSION, experimental,
heterologous blood inducing shock with pulm. edema (Rus))
(SHOCK, experimental,
induced by transfusion of heterologous blood, causing pulm.
edema (Rus))

KURYGIN, G.V.

Defense adaptation reactions of the organism following the administration of small amounts of heterologous blood. Biul. eksp. biol. i med. 46 no.12: 42-45 D '58. (MIRA 12:1)

1. Iz kafedry patofiziologii (zav. - prof. T.I. Beslekoyev) Yaroslavskogo meditsinskogo instituta (nauchnyy rukovoditel' raboty - prof. A.M. Dubinskiy) Predstavlena deystvitel'nym chlenom AMN SSSR V. N. Chernigovskim.

(ALLERGY,

defense adaptation reactions to small amounts of heterogenous blood (Rus))

(BLOOD TRANSFUSION, exper. same)

KUFYGIN, G.V.; ISKHAKOVA, S.B.; SEMENOV, V.A.

Immunotherapy in experimental intestinal obstruction. Eksper. khir.
i anest. 9 no.2:51 Mr-Ap '64. (MIRA 17:11)

1. Kafedra patofiziologii (zav. - prof. T.I. Beslekoyev) Yaroslavskogo
meditsinskogo instituta.

VIKARIN, D.A.; MAL'KINA, G.Ya.; VOLODYKO, Yu.V.; RUDNEN, V.I.; POLAKOVA,
Z.D.

Gas-liquid chromatography of impurities in acetone. *Neftekhimiya*
2 no.6:923-933 11-0 '61. (MIRA 17:10)

1. Nauchno-issledovatel'skiy institut imeni pri Gorkovskoy gosudar-
stvennoy universitate.

KARYSHEVA, K.A., professor; KURYGIN, V.M., redaktor; GLUKHOYEDOVA, G.A.,
tekhnicheskii redaktor

[Gonorrhea and some non-gonorrheal diseases of the genitourinary
organs in children] Gonorreia i nekotorye negonorroinye zaboleva-
niia mochepolovykh organov u detei. Moskva, Gos. izd-vo med.
lit-ry, 1954. 161 p. [Microfilm] (MLRA 7:10)
(Genitourinary organs--Diseases)
(Children--Diseases)

SHIBAYEV, Nikolay Aleksandroyich; KURYGIN, V.M., redaktor; ROMANOVA, Z.A.,
tekhnicheskiy redaktor

[A great force; work practice of sanitation employees] Bol'shaia
sila; opyt raboty sanitarnogo aktiva. Moskva, Gos. izd-vo med.
lit-ry, 1956. 71 p. (MLRA 9:7)
(SANITATION) (RED CROSS)

KURYGIN, Ye.T.

System for measuring the electrical parameters of color
electron-beam tubes. Sbor. mat. po elektrovak. tekhn. no.28:
50-56 '61. (MIRA 16:8)

I. 22432-65 EPA(s)-2/EWT(1)/EWT(m)/EMP(b)/T/EWP(t) Pt-10 IJP(c) JD

ACCESSION NR: AP5000626 5/0185/64/009/011/1217/1220

AUTHOR: Kuryk, M. V.; Gavaleshko, M. P.; Vytrykhovs'kyy, M. I.

TITLE: Magnetic susceptibility of CdS single crystals

SOURCE: Ukrayins'kyy fizychnyy zhurnal, v. 9, no. 11, 1964, 1217-1220

TOPIC TAGS: magnetic susceptibility, cadmium sulfide, doped cadmium sulfide, semiconductor, molar susceptibility, chemical bonding, thermal effect

ABSTRACT: The study of the magnetic susceptibility of semiconductors is of special interest since it provides information on their zone structure, i.e. the effective mass of current carriers, the nature of impurity centers and also to some extent the nature of the chemical bond. It was concluded from previous investigations that the magnetic susceptibility of CdS is greatly dependent on the method of preparation of the samples. Measurements were made of the absolute value of magnetic susceptibility of a single crystal of pure CdS as well as CdS doped with indium and copper in the 77 - 700K temperature range. It was found that the magnetic susceptibility of pure CdS single crystals is essentially independent of temperature within this temperature range. Its value of $-0.426 \cdot 10^{-6}$ at 300K is taken as the value of the lattice susceptibility for CdS. Calculations were also made of the molar susceptibility, which are in good agreement with experimental

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ACCESSION NR: AP5000626

data. Comparison of susceptibility values calculated by the Kirkwood formula with experimental values makes it possible to conclude that the CdS crystal has primarily ionic bonding. The magnetic susceptibility of the p-type crystals shows a decrease in diamagnetism with increasing temperature, which probably results from the interaction between valence zones of the crystal. "The authors express their gratitude to Academician V. Y. Lashkar'ov and Docent K. D. Tovstyuk for a number of valuable suggestions and interest in this work." Orig. art. has: 1 table; 1 figure and 6 formulas.

ASSOCIATION: Instytut fizyky AN URSR (Physics Institute, AN Ukr. SSR); Instytut napivprovodnykiv AN URSR, Kiev (Semiconductor Institute, AN Ukr. SSR); Chernivets'kyy derzhuniversytet (Chernovtsy State University)

SUBMITTED: 08Apr64

ENCL: 00

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TITLE: Infrared study of photodegradation of polyvinylchloride

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 7, no. 3, 1965, 389-393

TOPIC TAGS: polyvinylchloride, decomposition, IR spectroscopy / DRSh 500 lamp,
Ur 10 spectrometer, SF 2M spectrometer

ABSTRACT: Films of polyvinylchloride were irradiated with a quartz-mercury DRSh-500 lamp. By fastening the films in front of a plane reflecting mirror in a system with spherical reflecting mirror and lenses, photodegradation was effected in four hours. The use of a heat filter permitted the entire process to be carried out at room temperature. To insure uniform irradiation, the film was turned constantly during exposure (at 2 r.p.m.). Measurements in the IR region of the spectrum were made from 4000 to 400 cm⁻¹ on a UR-10 spectrometer, and in the visible range from 400 to 750 mμ on an SF-2M spectrometer. The films, 15-20 mμ thick, were made from a 4-5% solution of tetrahydrofuran on glass plates. Homogeneous and transparent films were obtained only by using small crystallizers with ground glass tops having small openings in the center for

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slow evaporation. IR absorption spectra indicate greatest change in the film during monochromatic irradiation at 313 and 365 $m\mu$, and the least during irradiation by the mercury lines 405 and 436 $m\mu$. Results show that the primary stage of breakdown is elimination of HCl and the formation of unsaturated bonds. Oxidation with formation of hydroperoxides follows. Many organic stabilizers inhibit the reaction in varying degrees. The best inhibitors are phenoles and, apparently, ketones. Resorcin dibenzoate is one of the best of the phenoles. Some amines are good, some poor. Orig. art. has: 2 figures and 1 table.

ASSOCIATION: Institut geokhimi i analiticheskoy khimii im. V. I. Vernadskogo (Institute of Geochemistry and Analytical Chemistry)

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