

MEZES, V.

NIEDERLAND, T.R.; GVOZDJAK, J.; BRIKOVA, E.; MASLER, P.; MEZES, V.;
HOLANOVA, J. (techn. spoluprac)

Metabolism of salicylates in the organism. II. Effect of salicylate
therapy on prothrombin time. Cas. lek. cesk. 93 no.22-23:616-620
4 June 54.

1. Z Ustavu pre vseobecnu a kliniku biochemiu SU v Bratislave.
Prednosta prof. MUDr T.R.Niederland.

(PROTHROMBIN TIME, effect of drugs on
salicylates)

(SALICYLATES, effects,
on prothrombin time)

Me 7. 2. 5, V.

Metabolic influence of allicin in the organism. IV.
Influence of antirheumatic drugs on hyaluronidase. T. R.
Nederland, V. Mész, and P. Mášar (Komenský Univ.,
Bratislava, Czech V. Bratislava, Lekárske Listy 36, Pt. 1,
461-71(1968); cf. C.A. 49, 15092a. Administration of
antirheumatic drugs to rabbits brought about inhibition of
the spreading activity (I) of testicular hyaluronidase preps.
in vivo: adrenocorticotropin (0.7 mg.) 98%, phenylquinone
acid (14 mg.) 82%, Na salicylate (100 mg.) 66%, and
cortisone (0.7 mg./kg.) 57%. Physiol. saline (1 ml./kg.)
likewise produced an inhibition of 17%, whereas glucose (1
ml. 10% soln./kg.) had an activating influence on I of 57%.

L. J. Uihänek

Country : CZECHOSLOVAKIA

V

Category: Pharmacology. Toxicology. Anti-Infection Agents.

Abs Jour: RZhBiol., No 6, 1959, No 27846

Author : Niederland, T.R.; Mezes, V.; Fedorakova, A.

Inst : -

Title : The Change of Activity of Hyaluronidase *in vivo*
in Repeated Introduction of Salicylates

Orig Pub: Bratisl. lekar. listy, 1957, 2, No 10-11, 600-606

Abstract: Five-day-long introduction of salicylates (I) to rabbits led to a decrease of hyaluronidase activity, which was less from a dose of 0.23 g/kg of I than from a dose of 0.69 g/kg. During the first and second day, this effect was most expressed. In subsequent days, its decrease was observed. - From the authors' resume

Card : 1/1

V-37

MEZES, V.
NIEDERLAND, T.R.; MEZES, V.; FEDORCAKOVA, A.; KRIZKO, J.

Effect of protracted ACTH, cortisone & phenylquinine administration on hyaluronidase activity in vivo. Cas. lek. cesk. 97 no.6-7:180-183 14 Feb 58.

1. Ustav pre vseobecnu a klinicku biochemiu Lek. fak. Komenskeho university v Bratislave. prednosta prof. T.R. Niederland.

(ACTH, eff.

inhib. of hyaluronidase activity in rabbits (Cs))

(CORTISONE, eff.

same)

(QUININE, related cpds

phenylquinine, inhib. of hyaluronidase activity in rabbits (Cs))

(HYALURONIDASE, antag.

ACTH, cortisone & phenylquinine in rabbits (Cs))

VLADIMIROV, G.Ye. [deceased]; MEZESH, V.; MYUL'BERG, A.A.; SYTINSKIY,
I.A.

Electrophoretic separation of soluble proteins of the brain on paper
and on an agar block. Nerv. sist. no. 2:3-10 '60. (MIRA 14:4)
(PROTEINS IN THE BODY) (PAPER ELECTROPHORESIS)

MEZESH, V., SYTINSKIY, I. A., VLADIMIROV, G. Y., MYULBERG, A. A., (USSR)

"The Electrophoretic Separation of Cerebral Proteins and Lipoproteins."

Report presented at the 5th Int'l. Congress, Moscow, 10-16 Aug 1961.

MEZES, V.; ZACHAR, F.; KRASCILOVA, V.

Structure and metabolism of lipoproteins isolated from the brains of guinea pigs with starch electrophoresis. Bratisl. lek. listy 45 no.5:257-264 15 Mr '65

1. Katedra biochemie Lekarske fakulty Univerzity Komenskeho v Bratislave (veducia doc. MUDr. T. Tursky, CSc.).

BODA D., MEZES Z.

~~Veratomesztos placentalis verrel.~~ /Transfusion with placental
blood/ Orv. hatil., Budap. 92:27 8 July 51 p. 853-5.

1. Doctors. 2. Twentieth District Pediatric Hospital (Director -
Head Physician--Dr. Pal Ferencs) and Obstetrical and Gyneco-
logical Department (Head Physician--Dr. Andor Benedek) of
Bethesda General Hospital (Director--Prof. Dr. Sandor Zeindely).
GLML Vol. 20, No. 10 Oct 1951

MEZESI, J.; DONATH, E.

MEZESI, J.; DONATH, E. Investigation of the floating deposits and
soluble salts of the Tisza and Tura Rivers. n. 27.

Vol. 13, no. 1/4, 1954, Budapest, Hungary KOTIKOTI

SO: Monthly List of East European Accessions, (EFAL), IC, Vol, 5, No. 3,
March, 1956

POLINSZKY, Karoly, dr., a kémiai tudományok kandidátusa; MEZEY, Barna; SARDY, Lorand; BAKOS, Miklos

Our 1961 Kossuth-prize winners. Magy kem lap 16 no.4:145-146 Ap '61.

1. Vesspremi Vegyipari Egyetem dekanja, es "Magyar Kemikusok Lapja" szerkeszto bizottsagi tagja (for Polinszky). 2. Chinoin Gyogyszer Vegyeszeti Termek Gyaranak fomerneke (for Mezey) 3. "Biogal" Gyogyszergyar fomerneke (for Sardy) 4. Szerkesztosegi titkan, "Magyar Kemikusok Lapja" (for Bakos)

MEZEY, Ferenc, tudományos munkatárs

Creation of mechanized parking lots. Közleked tud sz ll nc.12:576 D '61

1. Kertészeti Főiskola.

MEZEY, Jossef, dr.

~~Modification of Billroth I.~~ Orv. hetil. 98 no.18:468-469 4 May 57.

1. (Eloszetas kozlasmeny).

(GASTRECTOMY

Billroth I, modified technic 'Hun))

MEZEY, I. : PIGLET, T.

"Some Timely Problems in Preparing Norms for Material in the Machine Industry", P. 32. (TECHNICALS, Vol. 7, No. 3, Mar. 1963, Budapest, Hungary)

30: Monthly List of East European Accessions, (EAL), LC, Vol. 4, No. 1, Jan. 1965, Incl.

MEZEY, L.

How our press supports the innovators' movement. p. 12.

UJITOK LAPJA, Vol. 7, No. 7, April 1955

(Oszagos Talalmanyi Hivatal) Budapest

SOURCE: EAST EUROPEAN ACCESSIONS LIST Vol. 5, No. 1

September, 1956

KEZELY, L.

The new Czechoslovak law on inventions and innovations.

p. 13 (Tobstermeles. Vol. 5, no. 1, Nov. 1957, Budapest, Hungary)

Monthly Index of East European Accessions (MI) Vol. 1, no. 2,
February 1958

MEZEY, László, a történettudomány kandidátusa

Medieval student life. Elet tud 15 no.36:1130-1133 4 S
'60.

MEZEY, Laszlo --

The one-thousand-year-old codex fragment. Elet tud 17
no.33:1043-1044 19 Ag '62.

MEZEY, Laszlo

The Arab science and Europe. I. Elet tud 18 no.8:227-230
24 F '63.

MEZEY, Laszlo

The Arabian science and Europe. II. Elet tud 18 no.9:259-262
3 Mr '63.

137 AND 138 (1951)										139 AND 140 (1951)																																																	
PROCESSES AND PROPERTIES INDEX																																																											
MEZEY, P.																																																											
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4503 The Use of Bucky-Rays in Ocular Diseases. P. Mezey-- <i>Summariz. 26, 77-8(1948)(in Hungarian).</i> The use of Bucky-rays in the treatment of 54 patients with superficial eye diseases is discussed. Radiation was deliv- ered a distance of 3.5 cm, in 100 to 400 r doses, every other day, giving a total dose of 600 to 1600 r. Good effects were obtained in cases of blepharitis but the author concludes that the results in corneocconjunctival conditions are not con- vincing.																																																											
ASD-54 METALLURGICAL LITERATURE CLASSIFICATION																																																											
<table border="1"> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>																				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20																				
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FLESCH, I., MEZEY, P.

Clinical aspect of the eye fundus and its significance in tuberculous meningitis in early childhood and in miliary tuberculosis treated by streptomycin. Szemeszet No. 2, 1950, p. 129-35

1. First Pediatric Clinic (Director—Dr. Pal Gegesi Kiss) and First Eye Clinic (Director—Dr. Gusztav Horay), Budapest University.

GLML 19, 5, Nov., 1950

MEZEY, P.

Observations on congenital bilateral paralysis of the abducent nerve. Szemeszet 88 no.3:153-156 1951. (CIAM 21:1)

1. Doctor, University Assistant. 2. First Eye Clinic, Budapest Medical University.

GYORFFY, Istvan; MEZEY, Pal

The incidence of refractory errors and eye diseases.
Representative morbidity statistics. Szemeszet 100 no. 2:
95-99 Je '63.

(REFRACTION, OCULAR) (OPHTHALMOLOGY)

VASILENKO, Stepan Ivanovich; MEZHAKOV, Vasilii Afanas'yevich; KOTLYARSKIY, Igor' Abramovich; ASTAKHOV, A.V., otv.red.; SHILYAR, S.Ya., tekhn.red.

["Kirovets" cutter-loader for coal mining] Ugol'nyi kombain
"Kirovets." Moskva, Ugletekhnizdat, 1958. 52 p. (MIRA 12:7)
(Coal mining machinery)

MEZHAKOV, Vasil'y Afanas'yevich; VASILENKO, Stepan Ivanovich; ASTAKHOV,
A.V., otvetstvennyy red.; ALADOVA, Ye.I., tekhn. red.

[PMG-2 cutting machine] Vrubovaia mashina PMG-2. Moskva, Ugletekh-
izdat, 1958. 178 p. (MIRA 11:9)

(Mining machinery)

MEZHAKOV, V.A.

Coal combine "Kirovets". Biul.tekh.-ekon.inform. no.11:3-4
' 58. (MIRA 11:12)

(Coal mining machinery)

MEZHAKOV, Vasilii Afanas'yevich; VASILENKO, Stepan Ivanovich; ASTAKHOV, A.V.,
otv. red.; SHKLYAR, S.Ya., tekhn. red.

["Kirovets" standardized coal cutter-loader] Unifitsirovannyi ugol'-
nyi kombain "Kirovets." Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po
gornomu delu, 1961. 219 p. (MIRA 14:11)
(Coal mining machinery)

ACC NR: AP/002615 (A, N) SOURCE CODE: UR/0413/66/000/023/ 9/0130

INVENTOR: Golovko, V. Ya.; Spektor, L. A.; Agranat, A. R.; Mezhaev, V. P.;
Khodorchenko, A. S.; Olifir, V. P.

ORG: None

TITLE: A radial plunger pump. Class 59, No. 189314 [announced by the Machine Building Plant im. S. M. Kirov (Gorlovskiy mashinostroitel'nyy zavod)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 23, 1966, 129-130

TOPIC TAGS: hydraulic pump, fluid friction

ABSTRACT: This Author's Certificate introduces a radial plunger pump with a rotating cylinder block. The pump is designed for operation as a high-efficiency submerged unit by eliminating oil friction in the rotating components. The cylinder block is enclosed in a chamber with two vent holes, one to permit escape of the oil from the chamber under the effect of centrifugal forces, and the other to prevent the formation of a vacuum in the chamber by communicating with the atmosphere.

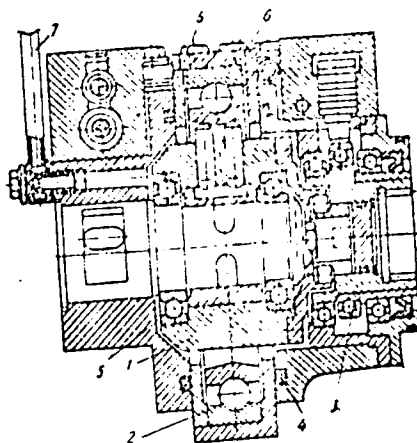
Card 1/2

UDC: 621.653-728

0930

2733

ACC NR: AP7002615



1--rotor; 2--bearing; 3--shaft; 4--seal; 5--chamber; 6--hole for escaping oil;
7--hole communicating with the atmosphere

SUB CODE: 13/ SUBM DATE: 16Dec64

Card 2/2

MEZHALS, G. V. In Latvian

MEZHALS, G. V. -- "Role of the Mixture of Grasses in the Formation of a Firm Structure in Different Types of Soils of the Latvian SSh." Latvian Agricultural Academy, 1955. In Latvian (Dissertation for the Degree of Candidate of Agricultural Sciences)

SO: Izvestiya Ak. Nauk Latvyskoy SSR, No. 9, Sept., 1955

MEZHAI, Ya. V., Cand. Agr. Sci. -- (diss) "Mechanized Procurement of
Selective Felling of Lumber Materials in Coniferous Forest Plantings."
Riga, 1959, 22 p. (Acad. Sci. Latvian SSR, Inst. of Forestry Problems and
Chemistry of Wood Pulp) 200 copies

KL, 34-59, 115-116

MEZHANSKAYA, N.S.

Diagnostic value of the iodine test, a simple, universally applicable test of liver function. Zdrav. Tadzh. 3 no.2:36-39 Mr-Apr '56 (MIRA 12:7)

1. Iz kafedry biologii (zav. - dotsent A. I. Shchurenkova) Stalinabadskogo Meditsinskogo Instituta im. Abuali ibnu Sino (dir. - chlen-korr. AN Tadzhikskoy SSR - Ya. A. Rakhimov) i iz klinicheskogo otdeleniya (zav. - kandidat mednauk K.K. Karimova) Stalinabadskogo Instituta epidemiologii i gigiyeny (dir. - dotsent M.Ya. Rasulov).
(LIVER) (IODINE)

BERDYEV, Kh.B.; MEZHANSKAYA, N.S.

Functional changes in the liver in helminthiasis. Sbor.
rab. pō mal. i gel'min. no. 2:215-218 '59. (MIRA 15:3)
(WORMS, INTESTINAL AND PARASITIC)

DOBRYNIN, O.N., inzh.; MEZHARAUP, G.Ya., inzh.

High-capacity boiler units of the Podol'sk Machine Building
Works [with summary in English]. Teploenergetika 6 no.1:28-37
Ja '59. (MIRA 12:1)

1. Podol'skiy mashinostroitel'nyy zavod.
(Boilers)

MEZHARAUPE, V. A., Cand Bio Sci --"Development of tuberous
bacteria on the roots and in the rhizosphere of perennial
~~cereals~~^{grasses}." Riga, 1961. (Latvian State U im Peter Stuchka)
(K1, 8-61, 237)

- 157 -
- 156 -

BANKOVSKIY, Yu.A.; MEZHARAUPS, G.P. [Mežaraups, G.]; IYEVIN'SH, A.F.
[Ievins, A.]

Analytical application of 8-mercaptoquinoline (thiooxine)
and its derivatives. Report No.20: Thiooxinates of platinum
metals. Zhur.anal.khim. 17 no.6:721-733 S '62. (MIRA 16:1)

1. Institut khimii AN Latvyskoy SSR, Riga.
(Quinolinethiol) (Platinum metals)

L 15496-63

ENP(q)/ENT(m)/EDS AFFTC/ASD JD

ACCESSION NR: AR3003755

S/0137/63/000/005/K011/K011

SOURCE: RZh. Metallurgiya, Abs. 5K63

AUTHOR: Mezharaups, G. P., Iyevin'sh, A. F., Bankovskiy, Yu. A.

TITLE: The use of thioxine for the qualitative determination of platinum and palladium in the presence of other platinum metals

CITED SOURCE: Izv. AN LatvSSR. Ser. khim., no. 1, 1962, 29-33

TOPIC TAGS: thioxine, platinum, palladium, iridium, osmium, ruthenium, qualitative analysis

TRANSLATION: A method of qualitative determination of Pt and Pd in the presence of other platinum metals was developed. The method is based on the co-precipitation of the thiooxinates of Pt and Pd with 8,8'-diquinolylidysulfide. Pt can be determined in the presence of 120 times the amount of Rh and 35-50 times the amount of Ir, Os, and Ru. Pd is determined in the presence of relatively large amounts of Rh and Ir and moderate amounts of Os, Ru, and Pt. Author's summary.

DATE ACQ: 21 Jun 63

SUB CODE: CH, EL

ENCL: 00

Card 1/1

YAVORKOVSKIY, L.I.; PURNE, S.Ya.; SANDLER, G.P.; MEZHARAUPS, S.P. (Riga)

Case of an acquired hemolytic anemia with the presence of a complex
of antibodies. Vrach.delo no.10:102-104 0 '60. (MIRA 13:11)

1. Respublikanskaya klinicheskaya bol'nitsa imeni P.I.Stradynya i
Respublikanskaya stantsiya perelivaniya krovi.

(ANEMIA)

(ANTIGENS AND ANTIBODIES)

S/10/11/000/007/007/007
1000/1001

Translation from: Referativnyy zhurnal, Publisher's, 1961, No. 3, p. 1, - 2, 201

AUTHOR: Kozustina, M.I., Janilov, V. N., Yefimov, L.I., Lyubchenko, L.V.
and Maschaurov, M.M.

TITLE: Improved reduction conditions on a reversing Thick-plate Mill at
insufficient power of the Main Motor

PERIODICAL: "Sb.nauchn.tr.Odianovsk. metallurg. in-t", 1960, No. 3, p. 1007-1008

TEXT The authors analyze factors determining the maximum reduction
in the rolling of sheets and plates on a reversing 1,200x1,150 mill. It is estab-
lished that the factor, limiting the reduction, is insufficient power of the drive
motor. Under these conditions it is recommended to perform the metal rolling the
rolls not at the time of speeding-up the motor, which requires the expenditure of
the dynamical torque component, but after the rolls have attained the rated rota-
tion speed; to accelerate the speed of rolls the time of motion is little used.

Va. Zh.

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

Card 1/1

GORENSHTEYN, Mikhail Moiseyevich, kand. tekhn. nauk, dots.;
TSILEVICH, Il'ya Zalmovich, inzh.; MEZHAUROV, Marat
Mikhaylovich, inzh.; CHECHNEV, A.A., inzh., retsenzent

[Lightweight rolled sections] Oblegchennye profili pro-
kata. Kiev, Gostekhzdat, USSR, 1963. 137 p.
(MIRA 18:6)

KRYLOV, V.I.; MEZHBEZHER, I.I.

Manufacturing aluminum and zinc alloy parts on the die-casting
machines. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch.i
tekh.inform. 18 no.4:14-16 Ap '65. (MIRA 18:6)

MEFRBEZHER, I.I.

Automatic 100% ... of a die casting machine. ... relzv. n. 10 ...

MEZHBITS, A.M.

[Bibliography of the scientific works of the Central Institute of Obstetrics and Gynecology of the Ministry of Health of the USSR for 150 years (1797-1947)] Bibliografiia nauchnykh trudov Tsentral'nogo instituta akusherstva i ginekologii Ministerstva zdavookhraneniia SSSR za 150 let (1797-1947). Moskva, Izd. Tsentral'nogo instituta akusherstva i ginekologii Ministerstva zdavookhraneniia SSSR, 1947. 160 p. (MIRA 8:1 D)

MEZHBURD, V.I., inzh.; PARTS, R.R., inzh.

Electromagnetic pumps with a spiral channel. Mashinostroenie
no.3:40-42 My-Je '63. (MIRA 16:7)

1. NISSETI soveta narodnogo khozyaystva Estonskoy SSR.
(Pumping machinery)

MEZHBURD, Vol'f Ioanovich, starshiy nauchnyy sotrudnik

Efficient form for recording the machine constant of d.c. machines with printed rotor winding (disk rotor). Izv. vys. ucheb. zav.; elektromekh. 6 no.5:565-568 '63. (MIRA 16:9)

1. Laboratoriya elektricheskikh mashin i apparatov nauchno-issledovatel'skogo elektrotekhnicheskogo instituta Upravleniya mashinostroyeniya Soveta narodnogo khozyaystva Estonskoy SSR.
(Electric machinery, Direct current)

ACCESSION NR: AT4042304

S/0000/63/003/000/0271/0279

AUTHOR: Mezhiburd, V.I., Parts, R.R., Rannu, L. Kh. Teearu, V. A.

TITLE: A magnetic system for low-power DC high-pressure pumps

SOURCE: Soveshchaniye po teoreticheskoy i prikladnoy magnitnoy gidrodinamike. 3d, Riga, 1962. Voprosy* magnitnoy gidrodinamiki (Problems in magnetic hydrodynamics); doklady* soveshchaniya, v. 3. Riga, Izd-vo AN LatSSR, 1963, 271-279

TOPIC TAGS: pump, direct current pump, high pressure pump, low power pump, electromagnetic pump, pump magnetic system

ABSTRACT: The article deals with the problem of designing a magnetic system for low-power DC high-pressure pumps (on the order of 7 kg/cm^2 and above with a productivity up to $100 \text{ cm}^3/\text{sec}$). Since these pumps make use of a helical channel, their magnetic system most frequently also consists of bodies of rotation (Figures 1 & 2 of the Enclosure). The advantages and disadvantages of the helical-channel magnetic system and the W-shaped system are discussed and it is pointed out that the latter may be considered as consisting of two simpler magnetic systems (See Figure 1). For this reason, greater attention is paid to this system in the present article. The geometry of the magnetic system in the air

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Card

ACCESSION NR: AT4042304

gap is determined and formulas are presented for establishing the length of the polar core L_p . The authors note that in carrying out a verification calculation of a magnetic system, it is also necessary to determine the magnetic dispersion flows and the magnetic conductances. Formulas are given which are applicable to the system shown in Figure 1. It is shown that, once the magnetic flows or conductances have been found, it is a simple task to calculate the dispersion factor and also to determine the magnetic flows in the individual sections of a particular segment of the magnetic circuit. This provides a basis for determining the magnetic inductances in the sections and by means of the latter, in turn, the calculated intensity of the magnetic field may be found, through the use of the basic magnetization curve of the material of which the corresponding segment of the magnetic circuit is manufactured. From this point on, the calculation of the magnetic system of the pump is quite similar to that of the magnetic system of DC electric motors. For the purpose of providing some idea of the order of magnitude of values that might be anticipated, a table is given in the article showing certain data with respect to the magnetic system (See Figure 1) of an experimental direct-current electromagnetic pump developing a pressure of 2 kg/cm^2 with a productivity of $10 \text{ cm}^3/\text{sec}$. Orig. art. has: 1 table, 3 figures and 38 formulas.

Card 2/5

ACCESSION NR: AT4042304

ASSOCIATION: none

SUBMITTED: 04Dec83

NO REF SOV: 004

ENCL: 02

OTHER: 000

SUB CODE: IE

3/5

Cord

ACCESSION NR: AT4042304

ENCLOSURE: 01

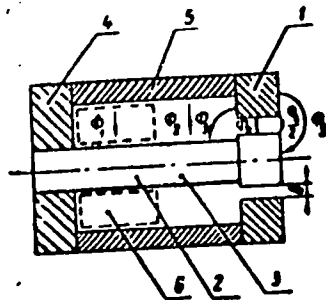


Fig. 1. Magnetic system of low-power DC pump with a helical channel: 1 - external polar terminal; 2 - internal polar terminal; 3 - polar core; 4 - yoke; 5 - external polar core (in the form of a hollow cylinder); 6 - driving coil.

Card 4/5

ACCESSION NR: AT4042304

ENCLOSURE: 02

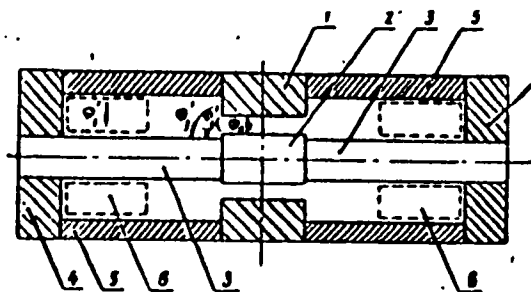


Fig. 2. U-shaped cylindrical magnetic system of a low-power DC pump with a helical channel: 1 - external polar terminal; 2 - internal polar terminal; 3 - polar core; 4 - yoke; 5 - external polar core; 6 - driving coil (the axis of the bodies of rotation is horizontal).

Card 5/5

ACCESSION NR: AT4042305

S/0000/63/003/000/0281/0288

AUTHOR: Mezhiburd, V. I.; R. R. Parts; L. Kh. Rannu; M. M. Saar; V. A. Tecaru

TITLE: Design of the channels of low-power high-pressure DC pumps

SOURCE: Soveshchaniye po teoreticheskoy i prikladnoy magnitnoy gidrodinamike. 3d, Riga, 1962. Voprosy* magnitnoy gidrodinamiki (Problems in magnetic hydrodynamics); doklady* soveshchaniya, v. 3. Riga, Izd-vo AN LatSSR, 1963, 281-288.

TOPIC TAGS: direct current pump, high pressure pump, low power pump, electro-magnetic pump, pump channel design, helical pump

ABSTRACT: The authors discuss the various reasons why, when increasing the working pressure of a pump, a channel of linear form is not suitable. The need for a transition from a channel of linear form to one of some other, more rational, configuration is determined primarily by the working pressure and secondarily by the ratio between the working pressure and the productivity of the pump with the hydraulic power remaining constant. The helical channel form is considered at length. It is shown that, by virtue of its special features, the energy specifications of a helical channel are better than those of a linear channel of identical dimensions. The authors analyze some of the peculiarities inherent in

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ACCESSION NR: AT4042305

the electromagnetic processes which occur in the helical channel. It is demonstrated that the basic peculiarities of the helical pump are due to the closed structural design of the circular gap, the radial direction of the fundamental field in the gap, the dependence of the induction of the fundamental field on the radius, the presence of centrifugal forces in the liquid metal and the presence of an angle of inclination of the helix, which gives rise to a deviation of the velocity vector of the metal from the tangential direction. An equivalent circuit for a helical channel is constructed, on the basis of which expressions are derived for the working current component normal to the side walls of the channel, the tangential component of the current in the channel (along the helix), and certain other factors. In the final section of the paper, the authors take up the problem of the "wall - liquid metal" contact resistance. Details are given of a series of tests conducted to study this problem. The fundamental results of these tests may be summarized as follows: 1. Extreme instability of r_k is observed, particularly for oxide and pure-steel surfaces; 2. The contact resistance possesses attributes of a semiconductive nature; 3. The magnitude of the contact resistance fluctuates from $0.9 \cdot 10^{-6} \text{ ohm} \cdot \text{cm}^2$ for tin-plated steel surfaces to $1 \cdot 10^{-1} \text{ ohm} \cdot \text{cm}^2$ for severely oxidized surfaces; 4. In devices in which there is no special

2/3

Card

ACCESSION NR: AT4042305

requirement for purity of the mercury, tinning the steel surfaces practically leads to the total disappearance of contact resistance; 5. The contact resistance of surfaces which have not been tinned is unstable in time. Orig. art. has: 3 figures and 20 formulas.

ASSOCIATION: None

SUBMITTED: 04Dec63

ENCL: 00

SUB CODE: IE

NO REF SOV: 005

OTHER: 001

3/3

Card

L 10639-66 EWT(1)/ENP(m)/ENT(m)/EPF(n)-2/EWA(d)/T/ENP(t)/FCS(k)/ENP(b)/EWA(m)-2/ENP(1),

ACC NR. AR5023756 ETC(m)/EWA(1) IJF(c) SOURCE CODE: UR/0196/65/000/008/K019/K019
JD/WW/JG/DJ

SOURCE: Ref. zh. Elektrotehnika i energetika, Abs. 8K115

AUTHOR: Meshburd, V. I. 4455

TITLE: Distribution of liquid-metal velocity in a ring channel having a rectangular cross-section

CITED SOURCE: Tr. Tallin : politekhn. in-ta, v. A, no. 214, 1964, 43-53

TOPIC TAGS: liquid metal pump, electromagnetic pump, hydrodynamics, liquid metal, fluid velocity, laminar flow

TRANSLATION: A fundamental equation of magnetic hydrodynamics has been solved for one turn of a helical rectangular-cross-section channel having finite axial and radial dimensions; the channel sides are commensurable. The problem has been solved under certain simplifying assumptions and only for a stationary laminar flow of the liquid metal. The very complicated formulas for local and average velocities of the liquid metal and for the electromagnetic pressure cover all varieties of d-c pumps. By imposing limit conditions, it is possible to obtain from the above formulas the equations developed by other authors for ring channels with infinite axial width of the turn, for flat channels with finite cross-section, and also for a narrow slot. Bib 14, figs 3.

SUB CODE: 13, 20

HW
Card 1/1

UDC: 621.310.38:621.65

L: 10640-66 EWT(d)/EWT(l)/EWT(m)/ENP(w)/EPF(n)-2/ENP(v)/T/ENP(t)/ENP(k)/ENP(b)/EWA(h)/
ACC NR: AR5023757 ETC(m) JD/WW/JG/EM/DJ SOURCE CODE: UR/0196/65/000/008/K019/K019

SOURCE: Ref. zh. Elektrotehnika i energetika, Abs. 8K116

62
B

AUTHOR: Meshbard, V. I.

TITLE: Quantitative criterion for adopting the helical channel shape in a d-c electromagnetic pump

CITED SOURCE: Tr. Tallinsk. politekhn. in-ta, v. A, no. 214, 1964, 55-65

TOPIC TAGS: liquid metal pump, electromagnetic pump, magnetic circuit

TRANSLATION: An approximate quantitative criterion suitable for adoption the helical channel shape in a d-c electromagnetic pump has been developed analytically. Application of this criterion helps in determining whether or not it is possible and expedient to adopt the helical channel shape and facilitates the first design stage: selection of principal loads, material for the magnetic circuit, and geometrical proportions of the pump. Bib 5, figs 8.

SUB CODE: 15, 09

HU
Card 1/1

UDC: 621.318.38:621.65

L 00510-66 EWT(1)/EPA(s)-2/EPF(a)-2/T-2/ETC(m) IJP(c) WW

ACCESSION NR: AP5016460

UR/0382/65/000/002/0123/0129
621.669 : 621.313.291.013.4

AUTHOR: Mashburn, V. I.; Raynal, L. R. 44, 55

TITLE: "Armature reaction phenomena" in a helical direct current pump

SOURCE: Magnitnaya gidrodinamika, no. 2, 1965, 123-129

TOPIC TAGS: electromagnetic pump, MHD flow, armature

ABSTRACT: Study of "armature reaction" on the electromagnetic process in a helical direct current pump is reported. The magnetic fields and magnetizing forces of the pump are analyzed both with and without loads. The appearance of the demagnetizing force due to "armature reaction" and its computation is briefly outlined in the work of B. L. Aliyevskiy et al (*Voprosy magnitnoy gidrodinamiki*, 3, Riga, Izd. AN Latv SSR, 1963, 209). Further analysis determines both the number of additional windings necessary for complete compensation of the effect as well as a means of minimizing the effect by changes in magnetic circuits, pole geometry, etc. The validity of these methods is confirmed by experimental data. Orig. art. has: 9 formulas, 6 figures. 21, 44, 55

Card 1/2

L 00310-66
ACCESSION NR: AP5018000

ASSOCIATION: none

SUBMITTED: 24 Dec 64

NO REF SOV: 000

ENCL: 00

SUB CODE: EN, NE

OTHER: 000

dg
Card 2/2

ACC NR: AR7004855

SOURCE CODE: UR/0137/66/000/010/G028/G028

AUTHOR: Gnusov, R. N.; Konin, M. K.; Mezhburd, V. I.; Naumov, N. V.; Teeary, V. A.

TITLE: Experimental investigation of an asynchronous pump for pumping lead-bismuth alloy

SOURCE: Ref. zh. Metallurgiya, Abs. 10G205

REF SOURCE: Sb. Nauchno-tekhn. statey. N. -i. elektrotekhn. in-t (Tellin), vyp. 2, 1965, 119-125

TOPIC TAGS: liquid metal pump, lead alloy, bismuth alloy, hydraulic efficiency

ABSTRACT: An investigation has been made of the operation of the ASN-3 pump used to pump eutectic lead-bismuth alloy. The pump capacity is $0.43 \cdot 10^{-3}$ m³/sec, the pressure is 1.2 kg/cm² at temperatures of 350 C, and the hydraulic efficiency of the pump is 1.2%. The characteristics of the pump are studied. Orig. art. has: 5 figures. A. Tseydler. [Translation of abstract] [NT]

SUB CODE: 11/

UDC: 669.4/.76.018.9

Card 1/1

BULGARIA / Pharmacology and Toxicology. Medicinal Plants.

V-8

Abs Jour : Ref. Zhur - Biologiya, No 17, 1958, No. 80659

Author : Mezhdrakov, Panayot

Inst : Not given

Title : Liquid Jelly from Tubera salep As a Drink in the Winter and As a Drug

Orig Pub : Priroda i snaniye (Bulg.), 1956, 9, No 3, 18-19

Abstract : The plant is described as one of the family of orchids, the bulbs of which are used for the preparation of an anti-inflammatory drug, "salep". It was widely used in folk medicine in Bulgaria, Macedonia, Albania and the Near East for the treatment and prophylaxis (in the winter) of inflammations of the upper respiratory tracts and the gastro-intestinal tract, especially of children's diarrhea and atonia of the stomach or intestine.

Card 1/1

29

LEVIN, S.Z.; DINER, I.S.; prinimali uchastiye; DEMBO, A.I., mladshiy nauchnyy sotrudnik; KUCHINSKIY, I.M., mladshiy nauchnyy sotrudnik; KUCHINSKAYA, Z.Ye., mladshiy nauchnyy sotrudnik; MEZHEBOVSKAYA, Z.Ye., mladshiy nauchnyy sotrudnik; BAULIN, V.A., inzh.; KARTYSHOVA, V.M., inzh.; DERGACHEVA, R.D., inzh.; DRABKINA, I.Ye., inzh.

Production of motor fuels and chemical products from Baltic shale tars by the destructive hydrogenation method. Trudy VNIIT no.9:65-90 (MIRA 13:11)

'60.

(Motor fuels) (Oils shales)

MEZHEBOVSKIY, R. Z. G.

PA 31/49T18

USDA/Medicine - Adonis, Effects
Medicine - Heart, Beat

Sep 48

"Action of Adonis on the Operation of the System
Which Originates and Conducts Pulses for Heart
Contractions," R. Z. Mezhebovskiy, Faculty
Therapeutics Clinic, First Leningrad Med Inst
Imeni Acad I. P. Pavlov, 9½ pp

"Klin Med" Vol XXVI, No 9

Treats under: (1) action of adonis on sinus
automatism, (2) on arterioventricular conductivity,
and (3) on extrasystolia.

300

31/49T18

MEZHEBOVSKIY, R. G.; LOTMAN, V. M.

Modification of electrocardiogram following Dzhanelidze's
transthoracic block of cardiac plexi in angina pectoris.
Khirurgiya, Moskva no. 10:37-42 Oct. 1950. (CLML 20:1)

1. Of Leningrad Scientific-Research Institute of First Aid
(Director -- A. R. Grushkin; Scientific Supervisor -- Prof.
Yu. Yu. Dzhanelidze, deceased). 2. R. G. Mezhebovskiy is a
Doctor Medical Sciences.

MEZHEBOVSKIY, R.G.

**Effect of adonis on electrocardiograms. Ter. arkh. 23 no.1:22-28
Jan-Feb 51. (CML 20:8)**

**1. Professor. 2. Of the Faculty Therapeutic Clinic (Head--Active
Member of the Academy of Medical Sciences Prof. G.F. Lang. deceased).
First Leningrad Medical Institute, and of the Hospital Therapeutic
Clinic (Head--Prof. R.G. Mezhebovskiy), Chkalov Medical Institute.**

GAUKHMAN, M.A.; MEZHEBOVSKIY, R.G.

Effect of eryside on the myocardial conduction system in cardiac insufficiency. Terap. arkh. 26 no.5:71-77 S-O '54. (MLRA 8:2)

1. Iz gosital'noy terapevticheskoy kliniki (sav. prof. R.G.Mezhebovskiy) Chkalovskogo meditsinskogo instituta i terapevticheskogo otdeleniya Chkalovskoy gorodskoy bol'nitsy.

(CARDIAC GLYCOSIDES, therapeutic use,

Chelidonium majus glycoside eryside in cardiac insuff.,
eff. on myocardial conduction)

(HEART DISEASE, therapy,

Chelidonium majus glycoside eryside, eff. on myocardial
conduction)

Journal of Internal Medicine - Circulation.

Journal : Red Zhur - Zhur, No. 4, 1956, 13-14

Author : A.G. Lechebovsky and L.I. Lechebova

Inst : The Chkalov Medical Institute.

Title : Regulation of Coronary Circulation in Patients with Hypertensive Disease.

Orig Pub : Tr. Chkalovskogo med. in-ta, 1956, No. 5, 13-14

Abstract : A study was made of the EKG of 10 patients with hypertensive disease (in the neurogenic and transitional stages). All individuals were re-examined after sleep treatment. Following exertion, disturbances in coronary circulation were observed in 50 patients, who suffered primarily from exertion stenocardia. This is explained by the disturbance to central and peripheral regulation of coronary circulation and the development of coronary sclerosis.

Card 1-2

USSR. Human and Animal Physiology - Circulation.

V-4

Abs Jour : Ref Zhur - Biol., No 4, 1958, 13.30

Sleep therapy improved the regulation of coronary circulation. The connections between the nature of the reaction to exertion and the characteristics of higher nervous activity has not been clarified.
(Bibliography of 30 titles).

Card 2/2

MEZHEBOVSKIY, R.G., professor

Employment of sixth-year medical students for the medical care of industrial workers. Sov.med. 21 no.2:118-120 P '57. (MLRA 10:6)

1. Is kafedry gospiatal'noy terapii Chkalovskogo meditsinskogo instituta.

(EDUCATION, MEDICAL

employment of 6th year med. students in factory
dispensaries)

(INDUSTRIAL HYGIENE

same)

USSR/Human and Animal Physiology (Normal and Pathological).
Blood Pressure. Hypertension.

T-4

Abs Jour : Ref Zhur - Biol., No 16, 1958, 74797

Author : Mezhebovskiy, R.G., Semenova, L.A.

Inst : ~~XXXXXXXXXXXXXXXXXXXX~~

Title : Coronary Blood Circulation in Patients with High Blood Pressure.

Orig Pub : Klinich. meditsina, 1957, 35, No 9, 131-138.

Abstract : Out of 100 patients with high blood pressure (HBP) ECG in dormancy was normal in 49 patients. After a stress (mounting a ladder) in 58 patients a decrease of the ST interval was noted, in a series of patients - changes of the T wave, lengthening of PQ, extrasystole. Pathological reaction was more often observed in patients with a changed original ECG. In a majority the sample with stress was positive with the presence of spasms of the stercardia. A correlation between the results of the sample and the arterial

Card 1/2

MEZHEBOVSKIY, R.G., prof., ROSHCINA, K.I. (Orenburg)

Treatment of cardiac insufficiency with glucose. Klin.med.
36 no.8:144-148 Ag '58 (MIRA 11:9)

1. Iz kafedry gosital'noy terapii (zav. - prof. P.G. Mezhebovskiy)
Orenburgskogo meditsinskogo instituta.

(CARDIAC GLYCOSIDES, ther. use

congestive heart failure, with glucose (Rus))

(GLUCOSE, ther. use.

congestive heart failure, with cardiac glycosides
(Rus))

MEZHEBOVSKIY, Rafail Grigor'yevich

[Treatment and prevention of cardiac insufficiency] Lechenie
i profilaktika serdechnoi nedostatochnosti. Orenburg, Oren-
burgskoe knizhnoe izd-vo, 1959. 359 p. (MIRA 13:7)
(HEART FAILURE)

MEZHIEVSKIY, R.G., prof.

Treatment of pneumocardiac insufficiency. *Kaz.-med.zhur.* 40
no.2:18-23 *Mr-Ap '59.* (MIRA 12:11)

1. Iz kafedry gosital'noy terapii Orenburgskogo meditsinskogo
instituta.

(HEART--DISEASES)

(LUNGS)

MEZHEBOVSKIY, R.G., prof. (Orenburg)

Differential diagnosis between tonsillogenic and rheumatic
lesions of the myocardium and the coronary arteries. Vop.
revm. 1 no.3:64-68 JI-S '61. (MIRA 16:4)
(RHEUMATIC HEART DISEASES) (TONSILS—DISEASES)

MEZHEBOVSKIY, R. G., prof. (Orenburg)

Endocrine system and cardiac insufficiency. Terap. arkh. no.9:
7-11 '61. (MIRA 15:2)

(HEART—DISEASES) (ENDOCRINE GLANDS)

MEZHEBOVSKIY, R.G.; SEMENOVA, L.A.

Disorders of the coronary circulation in rheumatism. Sov. med. 25
no.11:3-7 N '61. (MIRA 15:5)

1. Iz gospi'tal'noy terapevticheskoy kliniki (zav. - prof. R.G.
Mezhebovskiy) Orenburgskogo meditsinskogo instituta.
(RHEUMATIC HEART DISEASE)

MEZHEBOWSKIY, R.G.; GUSEVA, O.A. (Orenburg)

Treatment of refractory forms of cardiac insufficiency. Klin.
med. no.3:112-117 '62. (MIRA 15:3)

1. Iz gosptal'noy terapevticheskoy kliniki (zav. -- prof.
R.G. Mezhebovskiy) Orenburgskogo meditsinskogo instituta.
(HEART FAILURE)

MEZHEBOVSKIY, Rafail Grigor'yevich, prof.; ZAYTSEV, V.F., red.;
MATVEYEVA, M.M., tekhn. red.

[Treatment and prevention of cardiac insufficiency] Le-
chenie i profilaktika serdechnoi nedostatochnosti. 2. izd.,
dop. i ispr. Moskva, Medgiz, 1963. 351 p. (MIRA 16:9)
(HEART—DISEASES)

MEZHEBOVSKIY, R.G.; SEMENOVA, L.A.

Effect of cortisone on the myocardium and coronary circulation. Terap. arkh. 34 no.12:32-38 D'62. (MIRA 16:6)

1. Iz gospi'tal'noy terapevticheskoy kliniki (zav. - prof. R.G.Mezhebovskiy) Orenburgskogo meditsinskogo instituta.
(CORTISONE) (RHEUMATIC HEART DISEASE)
(CORONARY VESSELS)

S/152/62/000/011/001/001
B126/B186

AUTHORS: Balakishiyev, G. A., Ismailov, R. G., Korneyev, M. I.,
Mezhebovskiy, Ye. B.

TITLE: Influence of ultrasonic energy on the cracking process of
solar oil distillate

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Neft' i gaz, no. 11,
1962, 59 - 62

TEXT: Ultrasonic experiments were carried out on a pilot plant for continuous thermal cracking with a view to reduce the processing temperature. A standard magnetostriction DMC-7 (PMS-7) projector of 21 kc/s fundamental oscillation frequency introduced the ultrasonic energy direct into the reaction zone. The projector was fed from a Y3M-10 (U3M-10) ultrasonic generator manufactured in series production. The analytical data of the distillate used were as follows: specific gravity 0.8952, initial boiling point 284°C, evaporation E₀, %, 9 at 300°C, 36 at 325°C, 76 at 350°C. The temperatures applied were 440, 420 and 380°C respectively, the pressure was 30 atm and the cracking period 30 minutes. The experiments showed that the application of ultrasonics intensifies the cracking process and accelerates

Card 1/2

Influence of ultrasonic energy on ...

S/152/62/000/011/001/001
B126/B186

the reaction so that with greater ultrasonic intensity the productivity of the plant increases. The cracking results at 440°C without application of ultrasonic energy were almost the same as those at 420°C with ultrasonic energy. This implies that the use of ultrasonics enables thermal cracking to be carried out at lower temperatures. Moreover, when ultrasonic energy is applied the coke deposits are reduced and the coke is soft and easily removable. There are 4 figures.

ASSOCIATION: Azerbaydzhanskiy institut nefti i khimii im. M. Azizbekova
(Azerbaydzhan Institute of Petroleum and Chemistry imeni
M. Azizbekov); NIPI "Neftekhimavtomat" (NIPI
"Neftekhimavtomat") ✓

SUBMITTED: July 16, 1962

Card 2/2

BALAKISHIYEV, G.A.; ISMAILOV, R.G.; KORNEYEV, M.I.; MEZHEBOVSKIY, Ye.B.

Effect of ultrasonic energy on the cracking of solar oil
distillate. Izv. vys. ucheb. zav.; neft' i gaz 5 no.11:
59-62 '62. (MIRA 17:6)

1. Azerbaydzhanskiy institut nefti i khimii imeni Azizbekova
i Nauchno-issledovatel'skiy i proyektnyy institut po kompleksnoy
avtomatizatsii proizvodstvennykh protsessov v neftyanoy i
khimicheskoy promyshlennosti.

MEZHEKOV, N.

Main wealth. Metallurg 7 no.1:37 Ja '62.

(MIRA 15:1)

1. Magnitogorskiy metallurgicheskiy kombinat.
(Iron and steel workers)

ACC NR: AR6035490

SOURCE CODE: UR/0081/66/000/C17/Y012/Y012

AUTHOR: Botvinkin, O. K.; Mironova, M. L.; Mozheikova, L. I.

TITLE: Study of the possibility of submicroscopic blending of porous glass with polymers and metals

SOURCE: Ref. zh. Khimiya, Part II, Abs. 17M105

REF SOURCE: Stoklo. Tr. in-ta stekla, no. 2(127), 1965, 25-30

TOPIC TAGS: metallopolymer material, glass product, *metal property*

ABSTRACT: It is shown that it is possible in principle to prepare new materials whose structures combine the structural characteristics of glass and polymers and glass and metals. Submicroscopic blending of the silica framework with organic polymers was achieved. The silicate framework employed consisted of porous glasses (containing 92-94% SiO_2) obtained by thorough leaching of sodium borosilicate glass. Porous glasses of two types were used for the study: with a basic pore size of 50-100 Å (narrow pores) and 200-500 Å (wide pores). Prepolymers of styrene and methyl methacrylate were used as fillers of porous glasses. The thoroughly dried sample of porous glass was filled with the prepolymer in a vacuum. The impregnated sample was subjected to heat polymerization without polymerization initiators in an excess of prepolymer. In order to accelerate the polymerization process, the samples were exposed to gamma irradiation. Some physical constants of the compositions obtained

Card 1/2

ACC NR: AR6035490

from porous glass and polymers are given. Molten metals poorly wet glasses similar to quartz glass. It is necessary to use pressure. Pb, Sb and Bi in the molten state have a slightly lower surface tension than Hg and can be introduced into micro-porous glasses at lower pressures. The submicroscopic blending of porous glass with metals is possible in principle. I. M. [Translation of abstract]

SUB CODE: 11

Card 2/2

MEZHELOVSKIY, N.V.

New data on the Lower Cambrian in the Eastern Sayan Mountains. Mat. po
geol. i pol.iskop.Kras.kraia no.3:35-39 '62. (MIRA 17:2)

KARPOV, L.I.; ZHDANOV, I.Ye.; MEZHENIN, A.T.

Apartment house with lower ceilings. Ger. khoz. Mosk. 33 no.3:16-17
Mr '59. (MIRA 12:5)

(Moscow--Apartment houses)

MEZHENIN, I.A., podpolkovnik med.slushby

Intra-articular disorders of the knee joint as shown by data from
military hospital. Voen.-med.shur. no.2:40-43 F '60.

(KNEE diseases)

(MIRA 13:5)

CA

2

Determination of the internal latent heat of vaporization of liquids. N. A. KOLLODOVSKII AND I. S. MAZURKIN *Dokl. Akad. Nauk SSSR*, 166:1-5, 1961-6; *J. Gen. Chem. (U.S.S.R.)* 1, 616-9(1931).—Weighed amts. of water, iso-BuOH, CHCl₃, CCl₄, C₆H₆, PhMe, PhEt and C₆H₅N were evapd. in vacuo in an adiabatic calorimeter. From the drop in temp. the latent heats were calcd. L. P. HALL

ALSO SEE METALLURGICAL LITERATURE CLASSIFICATION

197 AND 2ND COVER

PROCESSES AND PROPERTIES INDEX

197 AND 2TH COVER

CO

Distribution of saturated fatty acids between water and silicone. XII. N. A. KOLISOVSKI AND I. S. MARCHUK. *J. Gen. Chem. (U. S. S. R.)* 2, 197-201(1932). *Sov. Bull. soc. chim. Bulg.* 28, 837(1934); *C. A.* 6, 181, 182; 19, 3404.—The distribution of formic, acetic and propionic acids between water and PMSi was investigated. Also in *Bull. soc. chim.* 61, 1000-4(1932)

CR

2

OPEN

ORIGINALS HERE

ASO-3LA METALLURGICAL LITERATURE CLASSIFICATION

197 AND 2TH COVER

197 AND 2TH COVER

1ST AND 2ND COLUMNS										PROCESSES AND PROPERTIES INDEX										3RD AND 4TH COLUMNS									
Effect of electrolytes on distribution of fatty acids between water and toluene. N. A. Koshovskii and I. N. Koshovskii. <i>Ukrain. Khim. Zhur.</i> 9, Wiss.-tech. Teil (in Russian 41-4) (in French 45) (1934); cf. C. A. 29, 218. — The coeff. of distribution of HCOOH between water and toluene increases with addn. of cations in the following order: $K < Na < Ba < Sr < Mg$. For coeff. of distribution of AcOH the formula $c_1/c_2 = 13.800 - 0.0001(c_1 + c_2) - N(a + b)$ is derived, where N is normality of electrolytic solu., a and b are increments of cations and anions. For propionic acid the formula is $c_1/c_2 = 1.15 - N(a + b)$. The effect produced by the cations on HAc and propionic acid increases in the same order, in case of nitrates, Br and I change places. [C. I.]																													
456-55A METALLURGICAL LITERATURE CLASSIFICATION																													
100000 #1										100000 #2										100000 #3									

MEZHENIN, I.S.

Separating fulvic acids from acid soil solutions in the form of
barium salts. Izv.AN Kazakh.SSR.Ser.bot.1 pochv. no.2:66-68
'59. (MIRA 13:5)
(Fulvic acid) (Soils--Analysis)

MEZHENIN, I.S.

Effect of different soil/water ratios on the pH value of aqueous
soil suspensions. Izv. AN Kazakh. SSR. Ser. bot. i pochv. no. 2:68-70
'60. (MIRA 13:8)
(Soils--Analysis) (Hydrogen-ion concentration)

MEZHENIN, I.S.

Suspension effect of saline and alkali soils. Izv. AN Kazakh.SSR.
Ser. bot. i pochv. no.2:85-89 '61. (MIRA 15:2)
(Saline and alkali soils)

IVKIN, N.S., student; KAZIYEV, R.V., veterin.vrach; ~~MEZHENIN, I.Ye.~~
veterin.fel'dsher (Krasnodarskiy kray, Yaroslavskiy rayon).

Methods for throwing and restraining a horse. Veterinariia 36
no.10:48-49 0 '59. (MIRA 13:1)

1. ~~Moskovskaya veterinarnaya akademiya~~ (for Ivkin)
(Horses) (Veterinary medicine)

M.
MEZHENIN, Yu., inzh.

Using asynchronous motors with automatic speed control by means of
a saturable core. Rech. transp. 19 no.12:24-26 D '60.

(MIRA 13:12)

(Marine engineering) . (Electric Motors, Induction)

MEZHENIN, Yu.M., inzh.

Calculating the power of an asynchronous motor for the electric
driving of a dredger winch with throttle regulation. Sudostroenie
27 no.4:36-39 Ap '61. (MIRA 14:3)
(Electric motors, Induction) (Dredging machinery)

EXCERPTA MEDICA Sec.9 Vol.11/4 Surgery April 57

1698 (377) MEZHENINA P.E. Ukrainian Inst. of Orthop. and Traumatol., Kiev, USSR. *The treatment of children with cerebral spastic paralysis with tropacine (Russian text) VRAC. DELO (Moscow) 1955, 22 (175)

Forty-five patients with congenital cerebral spastic paralysis 3-18 yr. of age were treated. A new preparation was used for the first time - tropacine - which was synthesized in 1951 in the Ordzhonikidze All-Union Chemico-Pharmaceutical Institute. Tropacine is a chlorhydrate of the tropine-ether of diphenylacetic acid, belonging to the atropine group. The treatment was conducted in hospital and ambulatory; the dosage used was 0.0001-0.0003 per kg. weight of the child (1 powder once or twice a day) continued from 2-6 months. The effect of the treatment could be observed already on the 5th-7th days of treatment. A stable improvement of the morbid state was noticed by the author in 33 out of 45 patients. No side-effects were noticed. In a number of cases surgical interventions could be spared. Tropacine, by inducing a protracted relaxation of the muscular spasms, created the conditions for a conservative elimination of contractures and allowed the prescription of orthopaedic shoes or apparatuses for the correction of malpositions of the limbs.

Balunova - Leningrad (VII,9)

FUDAL'-OSIPOVA, S.I.; MEZHENINA, Ye.P.

Electric activity of the muscles of children with congenital spastic cerebral paralysis during spontaneous contractions and changes in this activity following a treatment with tropacin.
V ol.shur. [Ukr.] 1 no.2:7-14 Mr-Apr '55. (MLRA 9:9)

1. Ukrains'kiy tsentral'niy naukovo-doslidniy institut ortopedii i travmatologii, elektrofiziologichna laboratoriya.
(MUSCLES) (ELECTROPHYSIOLOGY)
(PARALYSIS, CEREBRAL) (ANTISPASMODICS)

MEZHENINA, Ye.P., kand.med.nauk., referent

Minutes of the 26th session of the Stalino Society of Traumatologists
and Orthopedists. Ortop.travm. i protez. 19 no.3:93-95 My-Je '58
(ORTHOPEDIA) (MIRA 11:7)