ACC NR: AP6036463 (N) SOURCE CODE: UR/0198/66/002/011/0130/0133

AUTHORS: Guz', A. N. (Kiev); Polyakov, P. S. (Kiev)

ORG: Mechanics Institute, AN UkrSSR (Institut mekhaniki AN UkrSSR)

TITLE: Experimental investigation of deformations beyond the elastic limit of spherical bottom sections weakened by an opening

SOURCE: Prikladnaya mekhanika, v. 2, no. 11, 1966, 130-133

TOPIC TAGS: metal deformation, plastic deformation, cathetometer, aluminum alloy, static load test/ AMG-6M aluminum alloy, KM-8 cathetometer

ABSTRACT: The bottom sections of a tank were tested under uniform internal pressure. Two types of bottoms were used, both weakened by an opening as shown in Figures 1 and 2.

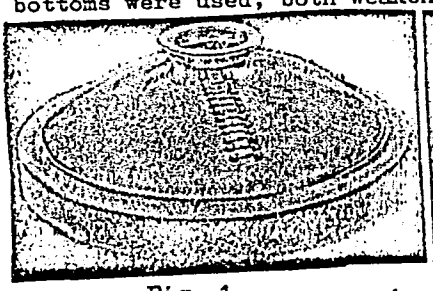


Fig. 1.

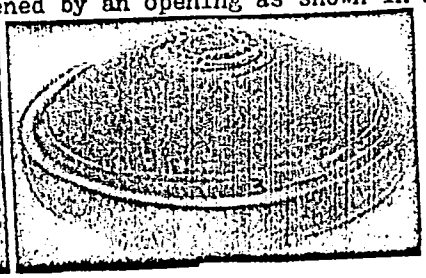


Fig. 2.

Card 1/2

ACC NR: AP6036463

The radius of curvature for the section was 550 mm, the shell thickness was 2.7 mm, and the opening hole radius was 75 mm. The shell was made of AMG-6M aluminum alloy.

The deformation was measured by strain gages with an accuracy of $\pm 1.0 - 1.5 \times 10^{-5}$, and the vertical displacement was measured by a KM-8 cathetometer with a ±30-micron accuracy. For the first model, plastic deformation started at a pressure of $9 \times 10^4 \times 9.81$ newtons/m^2; for the second model, $11 \times 10^4 \times 9.81$ newtons/m^2. The meridian deformation results and the square of the normal displacement rate (relative to the meridian angle) were tabulated for both models. The maximum deformation did not exceed 0.2%. However, it was clear that terms containing the square of the rotation angle in the deformation equations were becoming important even at such small levels of deformation. Orig. art. has: 5 figures and 2 tables.

SUB CODE: 13/ SUBM DATE: 04Feb66/ ORIG REF: 001

Card 2/2

GUZ, A.R., inzh.

Mechanized cleaning of fuel supply rooms in a power plant.
Energetik 13 no.1:17-19 Ja '65. (MIRA 18:3)

GUZ', B.I. [Huz', B.I.]; GOL'DSHTEYN, B.I.; IVANYUK-BELUGA, Ye.I. [Ivaniuk-Beluha, IE.I.]; SHVEDKOVA-ROSHE, T.S.

Compound therapy in cervical cancer. Ped., akush. i gin. 19 no.1: 36-42 '57. (MIRA 13:1)

1. Kiyevskiy rentgeno-radiologicheskiy i onkologicheskiy institut (direktor - prof. I.T. Shevchenko) i Institut pitaniya Ministerstva okhrany zdorov'ya USSR (direktor - A.G. Stovbun).
(UTERUS--CANCER) (IRON SODIUM TARTRATE)

GUZ, D.B.

In the Design Bureau of the porcelain, faience, and glass industry under the administration of the Kiev Economic Council. Stek. i ker. 18 no.11:40-41 N '61. (MIRA 15:3)
(Kiev Economic Region--Glass manufacture)

GUZ, D.B. [Huz, D.B.]; RUBASHEVSKIY, I.Ya.[Rubashevs'kyi, I.IA.]

Automatic thread-rolling machine for busings. Leh.prom. no.3:8-10 Je - Ag '62. (MIRA 16:2)

1. Konstruktorskoye byuro Upravleniya farforo-fayansovoy i stekol'noy promyshlennosti Kiyevskogo soveta narodnogo khozyaystva.
(Kiev—Electric equipment industry—Equipment and supplies)
(Automatic control)

BLOKH, S.A., kand.tekhn.nauk; GUZ, D.B., inzh.; RUBASHEVSKIY, I.Ya., inzh.; BAUMAN, A.Zh., inzh.; SEN', Z.P., kand.tekhn.nauk; KHARITON, Ya.G., inzh.

Conveyor kiln with a walking hearth for rapid saggerless firing of porcelain. Stek. i ker. 23 no.1:29-32 Ja '66. (MIRA 19:1)

1. Institut gaza AN UkrSSR (for Blokh). 2. Konstruktorskoye byuro Ukrainskogo soveta narodnogo khozyaystva (for Rubashevskiy, Bayman). 3. Ukrainskiy institut stekol'noy i farforo-fayansovoy promyshlennosti (for Sen', Khariton).

ORKIN, K.G.; GUZ', D., redaktor; MERKOVICH, A.L., tekhredaktor.

[Detachable deep oil well pump NGN-3; construction, operating procedures, and preliminary results of use by the Central Administration of Groznyy Oilfields] Vstavnoi glubokii nasos tipa NGN-3; konstruktsiia nasosa, provila eksploatatsii i predvaritel'nye rezul'taty raboty na promyslakh Groznefti. Groznyi, 1947, 32 p. (MIRA 8:4)
(Oil well pumps)

GUZ', D. D. PA 4T2

USSR/Petroleum Industry Jan 1947

"Use of Mariett's Method by the Bori-Su Trust of the Malgobek Oil Combine," D.D. Guz', 8 pp

"Neftyanoye Khozyaystvo" Vol XXV, No 1

Describes stratum No 16, operating data illustrated with graphs and a table, injection pressure, the gas factor, difficulty with breaking equipment, and latest direction taken by the work.

4T2

GUZ', D.D.

GALUSTOV, S.B.; GUZ', D.D.

Development of oil and natural gas industry during the fifth and sixth five-year plan. Biul. tekh.-ekon. inform. no.1:3-7 '57. (MIRA 11:4)
(Petroleum industry) (Gas, Natural)

GUZ', D.D.

Present status of and prospects for automatic and remote control of the oil production processes in fields of the R.S.F.S.R. Neft. khoz. 38 no.7:11-16 Jl '60. (MIRA 14:10)
(Oil fields--Production methods)
(Automatic control)
(Remote control)

GUZ', D.D.

Technical progress in oil production of the R.S.F.S.R. in the period following the 20th Congress of the CPSU. Neft. khoz. 39 no.10: 8-12 O '61. (MIRA 15:1)
(Oil fields--Production methods) (Automatic control) (Remote control)

GUZ', G.A., aspirant

Graph-scheme of the algorithm for solving arithmetical problems by the tabular method. Trudy Chel. gos. ped. inst. 2:73-87 '64.

An algorithm of the power of apprehension in the solution of arithmetical problems by the tabular method. Ibid.:66-78 (MIRA 18:9)

VEDEN'YEVA, N.I.; GUZ, Kh.B.; SVITSENT, Ya.L.

Possibility of using an antigen of the Kharkov Biological Products Plant for the serodiagnosis of brucellosis in human beings. Lab. delo 6 no.5:6-7 S-O '60. (MIRA 13:9)

1. Otdel osobo opasnykh infektsiy Khar'kovskoy oblastnoy sanitarno-epidemiologicheskoy stantsii (glavnyy vrach I.I. Chernov).
(BRUCELLOSIS) (ANTIGENS AND ANTIBODIES)

GUZ, Irena; LANGAUER-LEWOWICKA, Henryka; ROSCISZEWSKA, Danuta

Sodium and potassium level in heparinized plasma following cranial injuries. (Preliminary communication). Neurol. neurochir. psychiat. pol. 13 no.1:45-48 '63.

1. Klinika Neurologiczna Sl. AM. Kierownik Kliniki: prof. dr W. Chlopicki.

(HEPARIN) (POTASSIUM) (SODIUM)
(HEAD INJURIES) (SKULL) (BLOOD CHEMICAL ANALYSIS)

PUGACHEVSKAYA, Ye.F.; GUZ', L.I.

Treating trichocephaliasis with heptylresocrinol. Med.paraz. i paraz. bol. 26 no.3:316 My-Je '57. (MIRA 10:11)

1. Iz Kiyevskoy gorodskoy sanitarno-epidemiologicheskoy stantsii (glavnyy vrach F.I.Yuvshenko).
(NEMATODA) (RESORCINOL)

IVANOV, S.T., inzh.; GUZ, M.N., inzh.

Construction of a double-strand suspension bridge. Transp.stroi. 8 no. 7:13-15 Jl '58. (MIRA 11:7)
(Bridges, Suspension)

L 6896-65 EWT(d)/EWT(m)/EWA(d)/EWP(k)/EWA(h)/EWP(r) Pt-4 IGD(f) EM
ACCESSION NR: AP4045896 S/0021/64/000/009/1145/1150

AUTHOR: Gus', O. M. (Gus', A. N.) B

TITLE: Stress concentration around a square hole in a spherical shell 24

SOURCE: AN UkrRSR. Dopovidi, no. 9, 1964, 1145-1150

TOPIC TAGS: stress concentration, spherical shell, hole weakened shell, hole weakened plate

ABSTRACT: The stress distribution around a square hole with rounded corners in a spherical shell under uniform internal pressure is investigated. The hole has a cover which transmits only the shear forces. An initial membrane-stress state is assumed. The "boundary perturbation" method is used in solving the initial integral equation. The values of constants and the stress distribution around the hole are determined in the first and second approximations; the zero approximation coincides with that for an elliptical hole. The stress-distribution formula is derived, and the coefficient of stress concentration around a square hole in a shell and in a plate is cal-

Card 1/2

L 8896-65

ACCESSION NR: AP4045896

culated and compared with the stress-concentration coefficients around a circular hole. Orig. art. has: 1 table and 9 formulas.

ASSOCIATION: Instytut mekhaniky AN URSR (Institute of Mechanics, AN URSR)

SUBMITTED: 01Aug63 ATD PRESS: 3109 ENCL: 00

SUB CODE: AS NO REF SOV: 003 OTHER: 000

Card 2/2

SAVIN, G.N. [Savin, H.M.], akademik; GUZ', A.N. [Huz', O.M.]

Stress concentration around holes in a cylindrical shell.
Dop. AN URSR no.11:1456-1459 '64. (MIRA 18:1)

1. Institut mekhaniki AN UkrSSR. 2. AN UkrSSR (for Savin).

PAKHOMOVA, G.N., kand. tekhn. nauk; GUZAIROV, G.S.; OVECHNIKOVA, K.I.; TITAREV, V.Ya.; ALENTOVA, L.N.

Verification of the intensified rate of zinc electrolysis with a current density of up to 800a/m^2 in industrial baths. Sbor. nauch. trud. Gintsvetmeta no.23:283-292 '65. (MIRA 18:12)

GUZ, R.

GUZ, R.; MONAKHOV, A.; OVSYANNIKOV, A.; AKSNIS, Ya.; KULIKOV, D.; KRUGLIKOV, M.; MALIK, V.

Chief goods manager of a trading enterprise. Sov.torg. no.6: 50-53 Je '57. (MLRA 10:8)

1.Glavnyy tovaroved torga Lengalantereya, Leningrad (for Guz). 2.Glavnyy tovaroved Moskhlebtorga, Moskva (for Monakhov). 3.Glavnyy tovaroved Gor'kovskogo gorodskogo Tekstil'shveytorga, g. Gor'kiy (for Ovsyannikov). 4.Upravlyayushchiy Latviyskoy kontorey "Glavosakaleya", Riga (for Aksnis). 5.Zamestitel' nachal'nika Upravleniya torgovli prodovol'stvennymi tovarami, Moskva (for Kulikov). 6.Nachal'nik planovogo otdela Pervogo Novosibirskogo gorpishchetorga, g. Novosibirsk (for Kruglikov). 7.Direktor TSentral'nogo prodovol'stvennogo sklada Moskovskogo raypishchetorga, Leningrad (for Malik).
(Commerce)

MOISEYEV, V. (Leningrad); GUZ, R.(Leningrad); KHOCHINSKIY, M. (Leningrad)

Unmarketable goods and reducing their price. Sov. torg. 35 no.2:41-42 F '61.
(Retail trade) (Prices)

GUZ, R. (Leningrad); ZINOV'YEVA, Z. (Leningrad)

Economic council in a department store. Sov. torg. 36 no.1:28-29 Ja '63. (MIRA 16:2)
(Leningrad--Department stores)

GUZ', S.I.; LARINOV, G.V.

Improving aluminum scrap smelting furnaces at the Kharkov secondary nonferrous metal plant. TSvet.met. 29 no.3:81-83 Mr '56.(MLRA 9:7)
(Kharkov--Aluminum--Metallurgy)

GUZ', S.I.

"Perfection of the Techniques for Producing Secondary Copper Base Alloys."

report presented at the Scientific Technical Conference of Workers in Secondary Non-ferrous Metallurgy, Khar'kov, 25-27 January 1961.

Guz, S. Ya.

3

3668. Dynamics of condensation of glycogen in myocardium in experimental defects of heart. F. Z. Meerson, M. E. Egorova, and S. Ia. Guz *Vop. med. Khim.*, 1956, 1, 336—338; *Referat Zh. Biol.*, 1956, Abstr. No. 73467.—The glycogen content of the left ventricular heart muscle of rabbits was determined one day to 4 months after experimental stenosis of the aorta. Aortic stenosis was carried out by constricting the ascending part by a metallic ring or silk ligature, reducing the diameter 3 to 5 times. The glycogen content was determined by Pflüger's method. 1—2 days after the aortic stenosis the concn. of glycogen was reduced 2—3 times. Then, in spite of maintaining the stenosis, the glycogen content progressively increased, reaching normal level or even higher after 70 days. In control rabbits, with a ligature without stenosis, the content of glycogen in the myocardium 1—2 days after operation was normal or near normal. It is assumed that the increase of glycogen in the myocardial depôt in experimental aortic stenosis is controlled by the action of the c.n.s. on the heart muscle. (Russian)

A. D. THORNTON-JONES

S/599/61/000/005/010/010
D040/D113

AUTHORS: Krasnik, V.Yu., Guz', S.Yu., Garba, L.S., and Tsvetkov, V.I.

TITLE: Development and application of a method of titanium tetrachloride extraction from chloride pulp

SOURCE: Akademiya nauk SSSR. Institut metallurgii. Titan i yego splavy, no. 5, Moscow, 1961. Metallurgiya i khimiya titana, 267-272

TEXT: A brief description is given of experiments which resulted in a new and better method of $TiCl_4$ extraction from pulp obtained in the chlorination of titanium ore being found. The only method used until recently was hydrolysis with the formation of hydrochloric-acidous hydrogel from which $TiCl_4$ precipitated in the form of metatitanic acid-pitch that had to be dryed and again melted in furnaces, so that ready $TiCl_4$ was being turned into raw material which had to be further reprocessed. The new method, developed by research workers, including the authors, is based on the property of molten mass of chlorides to demix and separate into two layers

Card 1/3

at relatively high temperature. A bath of molten NaCl, or any chlorides of alkali metals or alkaline-earth metals may be used for producing a chloride bath in the furnace, and the $TiCl_4$ pulp, containing chlorides of Al, Fe, Mg, etc., is charged on the top of the chloride bath. A mass of aluminum chlorides and trivalent iron and sodium with a low melting point separates and rises from the bottom portion of the furnace and metal chlorides with a melting point above 500°C sink into the bottom layer. The difference in the top and bottom layer temperature promotes mixing and intensifies the reaction. A common electric shaft furnace, 3100 mm in diameter, was used, though other furnaces may be used, provided they have a heated lower zone. The furnace was fitted with an air-tight charging hopper with a screw feeder for pulp, and another hopper for NaCl, and was provided with a tap hole at the top, in addition to the usual bottom tap hole. The upper melt layer has to be tapped once daily through the top hole. The space between the furnace electrodes is filled with a carbon packing which serves as an electric resistor, providing heat and maintaining high temperature. The

product is tapped into conical steel containers and is removed from them without difficulty. A fluid chloride bath is maintained permanently in the furnace above the carbon packing, and pulp is loaded onto the top of it. Pulp is brought in containers from all chlorination furnaces and from the $TiCl_4$ purifying section, and poured into the charging hopper. The method has been tested and introduced industrially. The obtained $TiCl_4$ contains 0.01-0.046% Fe and 0.39-0.218% Al. The new method increased the $TiCl_4$ output by 5%.

Card 3/3

[redacted], Zinnii Yur'yevich; [redacted]

[Production of cryolite, aluminum fluoride, and sodium fluoride] Proizvodstvo kriolita, ftoristogo alliuminiia i ftoristogo natriia. Moskva, Metallurgiia, [redacted].

DUTKIEWICZ, Zbigniew, inz.; GUZ, Tadeusz, mgr

Studies on the appropriateness of applying the blasting method in constructing furrows for soil improvement purposes. Gosp wodna 24 no. 7:275-276 Jl '64.

1. Department of Mechanization and Organization of Agriculture, Institute of Soil Improvement and Grasslands, Warsaw.

GUZ', V.I.; BELOV, A.M., redaktor; GORDIYENKO, Ye.B., tekhnicheskiy redaktor

[Electric power installations in geological prospecting] Elektrosilovye ustanovki v geologorazvedochnykh organizatsiiakh. Moskva, Gos. nauch-tekhn. izd-vo lit-ry po geologii i okhrane nedr, 1955. 145 p. (MLRA 8:7)

(Electric machinery) (Prospecting)

Guz', V.I.

USSR/General Problems of Pathology - Tumors. T-5

Abs Jour : Ref Zhur - Biol., No 3, 1958, 12776

Author : Ivanyuk-Beluga, Ye.I., Guz', V.I.

Inst : Not given.

Title : Erythrocytometry as a Method of Early Diagnosis of Anemia in Cancer (A Preliminary Communication).

Orig Pub : Uch. zap. Kiyevsk. n.-i. rentgeno-radiol. i onkol. in-t, 1955, 5, 323-330

Abstract : Data are given on measurements of erythrocytes which were made with an ocular micrometer on specimens from 15 healthy subjects and 60 patients with grades I, II and III of uterine cancer. In healthy subjects the average diameter of 70-80% of the RBC was 7.08 micra (6.8-7.6 micra). In cancer of the uterus, especially in grade III, there was a

Card 1/2

Card 2/2

GUZ', V.I., starshiy nauchnyy sotrudnik; KORENEVSKIY, L.I., starshiy nauchnyy sotrudnik; SHEVCHENKO, A.V., starshiy nauchnyy sotrudnik, BLEKHERMAN, N.A., nauchnyy sotrudnik

Use of splenin for treating and preventing a radiation reaction in malignant neoplasms [with summary in English]. Vrach.delo no.9:91-95 S '62. (MIRA 15:8)

1. Otdel rentgenoterapii (rukovoditel' - starshiy nauchnyy sotrudnik V.I.Guz') i laboratoriya endokrinologii (rukovoditel' - starshiy nauchnyy sotrudnik L.I.Korenevskiy) Kiyevskogo rentgenoradiologicheskogo i onkologicheskogo instituta i laboratoriya endokrinnykh funktsiy (rukovoditel - akademik AN USSR, prof. V.P.Komissarenko) Instituta fiziologii imeni A.A.Bogomol'tsa AN USSR.
(SPLENIN) (CANCER) (RADIOTHERAPY)

GUZ',V.I.; RUBASHEVA, A.Ye.

X-ray therapy in radiculitis. Uch. zap. KRROI 7:150-156'61.
(MIRA 16:8)

(NERVES, SPINAL—DISEASES)
(X-RAYS—THERAPEUTIC USE)

GUZ, Vladimir Prokof'yevich; MARTYNOV, Yu.K., red.; GORKAVENKO, L.I., tekhn. red.

[Present-day power supply circuits for the relay protection systems of high-voltage power distribution networks] Sovremennye skhemy pitaniia releinoi zashchity v vysokovol'tnykh setiakh. Kiev, Gos.izd-vo tekhn.lit-ry, 1961. 138 p. (MIRA 15:2)
(Electric power distribution—High tension)
(Electric protection)

SHLYAKOV, E.N.; SHROIT, I.G.; GUZ, Ye.V.; KAZARNOVSKAYA, M.L.

Primary intestinal form of anthrax. Zdravookhranenie 4 no. 1:58-59 Ja-F '61. (MIRA 14:2)

1. Iz Moldavskogo instituta epidemiologii, mikrobiologii i gigiyeny (direktor - N.N. Yezhov) i Kishinevskogo meditsinskogo instituta (direktor - N.A. Testemitsanu).
(ANTHRAX)

SHAMANEVA, V. M., KNUGLIKOV, A. M., SHAL'NEVA, A. M., TITKOVA, A. I., ZAITSEV, A. A., POMEROVSKAYA, E. V., POPOVA, E. V., LYASENKO, V. D.

"The sources of leptospirosis infection in nature (according to the Stavropol' region materials)." p. 154

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

Inst. of Vaccines and Sera and regional Sanitary-Epidemiological Station/Stavropol'

KRUGLIKOV, V.M.; SHAL'NEVA, A.M.; GUZACHEVA, V.Ya.; ZAYTSEV, A.A.; POKROVSKAYA, Ye.V.

Sources of leptospirosis in nature; data on Stavropol' Territory. Zhur.mikrobiol.epid. i immun. 27 no.11:60-64 N '56. (MLRA 10:1)

1. Iz Stavropol'skogo instituta vaktsin i syvorotok i Krayevoy protivotulyaremiynoy stantsii.
(LEPTOSPIROSIS, epidemiology,
animal as source of infect. (Rus))

KRUGLIKOV, V.M.; SHAL'NEVA, A.M.; GUZACHEVA, V.Ya.; ZAYTSEV, A.A.; LYASHENKO, V.D.; POPOVA, Ye.V.

Studies of natural foci of leptospirosis in certain region of the Stavropol Territory. Zhur. mikrobiol. epid. i immun. 29 no.8:51-54 Ag '58. (MIRA 11:10)

1. Iz Stavropol'skogo instituta vaktsin i syvorotok i Krayevoy sanitarno-epidemiologicheskoy stantsii.

(LEPTOSPIROSIS, epidemiology,
natural foci in Russia (Rus))

GUZACHEVA, V.Ya

Pathways of transmission and their effect on epidemiological processes in swamp fever in Stavropol Territory. Zhur. mikrobiol.epid.i immun. 31 no.9:37-42 S '60. (MIRA 13:11)

1. Iz Stavropol'skogo instituta vaktsin i syvorotok.
(STAVROPOL' TERRITORY--LEPTOSPIROSIS)

USSR
CATEGORY : Weeds and Weed Control.

ABS. JOUR : Ref Zhur -Biologiya, NO. 5 , 1959, No. 20585

AUTHOR : Guzairov, Kh.Kh.
INST. : Bukhara State Pedagogical Inst.
TITLE : Weed Vegetation on Long-Lain Fields and Its Change on Cotton Fields.

ORIG. PUB.: Uch. zap. Bukharsk. gos. ped. in-t, Tashkent, 1957, 35-42

ABSTRACT : It has been determined by experiments made at six kolkhozes in Bukharskiy Rayon in 1949 and partially in 1950 on cotton fields sown either on plowed-up long unused fields or after cotton had been planted on the field for 1 and 2-5 years in succession that in primary weed contamination (the first years the long lain fields were reclaimed) weeds characteristic of unused fields predominated: bermudagrass (Cynodon dactylon), camelsthorn (Alhagi

CARD: 1/3

dary contamination) nutgrass flatsedge

CARD : 2/3

CARD: 3/3

USSR / Weeds and Weed Control. N

Abs Jour : Ref Zhur - Biologiya, No 1, 1959, No. 1925

Author : Guzairov, Kh. Kh.
Inst : Bukhara State Pedagogical Institute
Title : Data on a Method of Investigating Soil for Contamination with Weed Seeds

Orig Pub : Uch. zap. Bukharsk. gos. ped. in-t, Tashkent, 1957, 43-47

Abstract : A device is described for excavation to a depth of 5 cm and more (in layers) for soil specimens in determining soil contamination with weed seeds.

Card 1/1

SALIN, A.A.; VOLKOVA, V.S.; TOKAYEV, Yu.N.; TULENKOV, I.P.; KOPYTOV, S.A.; GUZAIROV, R.S.

Electrodeposition of zinc with high electrolyte temperatures. TSvet.met. 35 no.12:13-18 D '62. (MIRA 16:2)
(Zinc—Electrometallurgy)
(Metals, Effect of temperature on)

GUZAIROV, R.S.; LEYTSIN, V.A.; GREKOV, S.D.

Solubility and the product of solubility of indium pyrophosphates. Zhur.neorg.khim. 9 no.1:20-24 Ja '64. (MIRA 17:2)

1. Chelyabinskiy elektrolitnyy tsinkovyy zavod.

ACC NR: AP6025601 (A) SOURCE CODE: UR/0413/66/000/013/0126/0127

INVENTOR: Venediktov, V. A.; Vasil'yev, Yu. A.; Popov, N. I.; Markelov, Ye. V.; Veynblat, M. Kh.; D'yakov, A. P.; Shishakov, K. I.; Yusim, L. Ya.; Skvortsov, A. M.; Kireyev, Yu. A.; Guzanov, G. N.; Gerasimovich, B. G.

ORG: None

TITLE: A fluid device for damping torsional vibrations. Class 47, No. 183539 [announced by the Turbine Motor Plant (Turbomotornyy zavod)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 13, 1966, 126-127

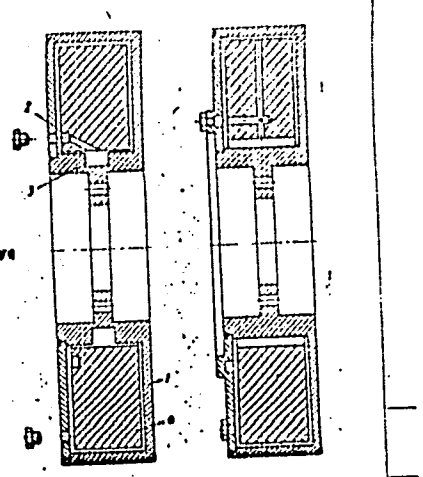
TOPIC TAGS: vibration damping, hydraulic device, torsional vibration

ABSTRACT: This Author's Certificate introduces a fluid device for damping torsional vibrations. The unit consists of a housing with a hole for fluid delivery and a movable annular disc with a compensating cavity set inside the housing. The installation is designed for more reliable and simpler filling of the unit with fluid by providing the faces of the disc or the internal surface of the housing opposite the hole for fluid delivery with at least one annular groove connected to the compensating cavity by channels in the disc body.

UDC: 621-752.2

Card 1/2

ACC NR: AP6025661



1—housing
2—annular groove
3—compensating cavity
4—disc

SUB CODE: 13,20/SUBM DATE: 28Apr65

Card 2/2

KOMAROV, S.G.; KEYVSAR, Z.I.; KOZINA, Z.K.; SKOBLIKOVA, G.I.; GUMANOVA, I.G.

Determining porosity by spontaneous polarization curves. Prikl. geofiz. no.25:192-215 '60. (MIRA 13:6)
(Electric prospecting)

PETROSYAN, L.G.; KOZINA, Z.I.; GUZANOVA, I.G.; NICHIPORUK, V.A.

Methodology of determining the permeability of oil-bearing formations from electric logging data. Prikl. geofiz. no.33:169-175 '62. (MIRA 15:10)

(Oil well logging, Electric)
(Oil sands—Permeability)

GUZANOVA, M.A., meditsinskaya sestra; KUZNETSOV, S.M.; SIGAYEVA, A.N. SAFIULLINA, A.K.; BLATOVA, N.A., starshaya meditsinskaya sestra; LEBEDEVA, M.A.; FILIPPOV, V.V.; SOKOLOVA, V.I.; PLYUSNINA, P.K.

Nurses' councils. Med.sestra no.6:59-64 Je '62. (MIRA 15:8)

1. Predsedatel' Soveta meditsinskikh sester pri Tyumenskoy oblastnoy bol'nitse (for Guzanova). 2. Chlen Krayevogo komiteta profsoyuza meditsinskikh rabotnikov, Krasnodar (for Kuznetzov). 3. Predsedatel' Soveta meditsinskikh sester Leninogorskoy gorodskoy bol'nitsy Tatarskoy ASSR (for Sigayeva). 4. Zamestitel' glavnogo vracha po lechebnoy chasti Leninogorskoy gorodskoy bol'nitsy, Tatarskoy ASSR (for Safiullina). 5. Glavnyy vrach bol'nitsy No.6.g. Kamenska-Ural'skogo Sverdlovskoy oblasti (for Lebedeva).
(NURSES AND NURSING)

GLEBOV, S.V.; KARKLIT, A.K.; GUZDEVA, N.V.

Special density magnesite refractories and their properties.
Ogneupory 19 no.5:235-237 '54. (MIRA 11:8)
(Magnesite) (Refractory materials--Testing)

GUTECKI, Andrzej

Metaphyseal fibrous defects of the bone (non-osteogenic fibroma of the bone). Nowotwory 14 no.4:405-410 O-D '64

1. Z Instytutu Onkologii w Krakowie (Dyrektors prof. dr. med. H. Kolodziejska).

KOPRA, [illegible]

[illegible]logical appearances following radiation treatment of giant-cell tumors. Nowotwory 15 no.2:181-185 Ap-Je '65.

1. Z Instytutu Onkologii w Krakowie (Dyrektor: prof. dr. med. H. Kolodziejska).

GUZEK, J.

Effect of nicotinamide on endocrine glands. Polski tygod. lek., 7 no. 15:417-419 15 Apr 1952. (CIML 22:4)

1. Of the Institute of General and Experimental Pathology (Head--Prof. Bronislaw Giedosz, M. D.) of Krakow Medical Academy.

GUZEK, J.; GRZEGORZEK, A.

Effect of typhoid toxin on ovaries. Przegl. lek., Krakow 8 no. 4: 114-115 1952. (CIML 22:5)

1. Of the Institute of General and Experimental Pathology of Krakow Medical Academy.

GUZEK, J.

Lipid metabolism in scorbutus. Polski tygod. lek. 8 no.32:1097-1102 10 Aug 1953. (CLML 25:4)

1. Of the Institute of General and Experimental Pathology (Head--Prof. B. Giedosz, M.D.) of Krakow Medical Academy.

GUZEK, Jan

GUZEK, Jan

Adrenal lipids in experimental scurvy. Pat. polska 5 no.1: 9-15 Ja-Mr '54.

1. Z Zakladu Patologii Ogolnej i Doswiadczalnej Akademii Medycznej w Krakowie. Kierownik: prof. dr med. B.Giedosz.

(ADRENAL CORTEX, metabolism,
*lipids, in exper. scurvy)
(SCURVY, experimental,
*adrenal cortex lipids in)
(LIPIDS, metabolism,
*adrenal cortex, in exper. scurvy)

EXCERPTA MEDICA Sec.3 Vol.10/8 Endocrinology Aug.56

1555. GUZEK J.W. Zakł. Patol. ogólnej i Doświadczalnej A.M., Krakowie. *Zachowanie się lipidów jajnika w przebiegu doświadczalnej awitaminozy C. The behaviour of the ovarian lipoids in the course of experimental avitaminosis C. PATOL.POL.1955, 6/1 (15-18)

Report on the histological examination of ovaries (staining with Sudan III by the Romeis method) on the 28th day of experimental scurvy in guinea-pigs. Besides the known morphological changes, there were also: (1) a considerable diminution of lipoids, affecting the whole organ, but not always related to the morphological changes; (2) in some animals, changes in the staining properties of the lipoids (not red, but brownish-yellow); this may point to changes in the chemical composition of the lipoids. Both changes are probably ascribable to a general disturbance in the fat metabolism, and to a disturbance in the endocrine function of the

GUZEK, Jan W.

Effect of low temperature on tissue and blood glycogen. Pat. polska 6 no.4:287-292 Oct-Dec 55.

1. Z Zakladu Patologii Ogolnej i Doswiadczalnej A.M. w Krakowie. Kierownik: prof. dr. B.Giedosz.

(COLD, effects,
on glycogen metab. (Pol))
(GLYCOGEN, metabolism,
eff. of cold (Pol))

5492. GUZEK J.W., ŻYGULSKA-MACHOWA H., SZAFRAN L., REMBIESA R. and GIEDOSZ B. Zakładu Patol. Ogol. i Doswiadczalnej A.M., Kraków. *Ośrodkowa regulacja przemiany węglowodanowej w obniżonej ciepłocie. Regulation of carbohydrate metabolism at low body temperatures POL.TYG.LEK. 1955, 10/38 (1233-1237) Graphs 1 Tables 2 Illus. 4

Normal animals subjected to low temperatures show increased liver glycogenesis resulting from an increased demand of muscles for glucose. When the body temperature falls to 27° blood sugar is appreciably reduced. Animals anaesthetized with phenobarbital show definite hypoglycaemia and some glycogen reserves in liver and muscles. Szczesniak - Forest Hills, N.Y.

EXCERPTA MEDICA Sec.2 Vol.10/3 Physiology March 57

1091 GUZEK J.W. Zakł. Patol. Ogol. i Doświadczalnej A.M., Kraków. *Hipotermia doświadczalna a przemiana materii. Experimental hypothermia and metabolism POL.TYG.LEK. 1955, 10/43 (1416-1421)

The chief variations noted are as follows: (1) Hyperglycaemia followed by hypoglycaemia; decrease of liver and tissue glycogen; increase followed by decrease of lactic and oxalic acids in blood; increase of citric acid in blood. (2) Increase of protein catabolism. (3) Variations of blood cholesterol, lipoproteins and phosphatides and of acetal phosphatides in tissues. (4) Increased creatinuria. (5) Increased utilization of vitamins. (6) Variations of Na, K, Mg and Cl in blood and urine. The roles of the endocrine and autonomic nervous systems are stressed.

Guzek - Cracow

ZYGULSKA-MACHOWA: Helena; SZAFRAN, Leslaw; REMBIESA, Roman; GUZEK, Jan; GIEDOSZ, Bronislaw.

Central regulation of carbohydrate metabolism in hypothermia.
Polski tygod.lek.10 no.46:1492-1496 14 Nov. '55.

1. Z Zakladu Patologii Ogolnej i Doswiadzalnej A.M. w Krakowie; kierownik: prof.dr med. B. Giedosz. Krakow, Zaklad Patologii Ogolnej i Doswiadzalnej A.M.
(HYPOTHERMIA,
controlled, eff. of phenobarbital on carbohydrate metab.in)
(BARBITURATES, effects.
phenobarbital, on carbohydrate metab. in cont. hypothermia)
(CARBOHYDRATES, metabolism,
eff. of phenobarbital in controlled hypothermia)

(Guzek, J. W.)

EXCERPTA MEDICA Sec.5 Vol.10/5 Gen.Pathology May57

1569. GUZEK J.W. Zakł. Patol. Ogóln. i Doświadczal. A.M., Kraków. *Wpływ tzw. 'zatrucia solnego' na stan czynnościowy nadnerczy. Effects of 'salt poisoning' on adrenal function PATOL. POL. 1956, 7/2 (141-146) Graphs 2 Tables 2

Common salt was administered to rabbits (1 g./kg. daily for 6 weeks and 0.5 g./kg. daily for 8 weeks). In both groups the lymphocytosis diminished considerably during the experiment. After the experiment there was marked hypertrophy of the adrenals, affecting both the cortex and the medulla. The significance of adrenal stimulation in the pathogenesis of 'salt poisoning' is stressed and the possible relation to hypertension is mentioned. Guzek - Cracow (V, 3)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617710017-1

POLAND/Pharmacology - Toxicology - Narcotics.

Abs Jour : Ref Zhur Biol., No 4, 1959, 18485

Author : Szafran, Leslaw; Rembiesa, Roman; Guzek, Jan W., Zygulska-Machowa, Helena

Inst : -

Title : The Influence of Repeated Introduction of Narcotic Doses of Luminal on Carbohydrate Metabolism in Cooled Animals.

Orig Pub : Patol. polska, 1956, 7, No 3, 231-239

Abstract : To rabbits, sodium-luminal was introduced perorally in a dose of 0.05 g/kg for the duration of 10-15 days (I); a number of them were then cooled to 10° (II). Sugar curves in I and II were flat, without a hyperglycemic phase. The glycogen content in the tissues of I and II is low; injury to liver tissue was discovered histologically. The level of oxalic and citric acids in the blood increases in dependence on the TO decrease of environment,

Card 1/2

GUZEK, J.W.

EXCERPTA MEDICA Sec.3 Vol.11/3 Endocrinology March57

617. GUZEK J.W. Zakł. Patol. Ogólnej i Doświadczalnej A. M. Kraków. *Hipotermia doświadczalna a układ dokrewny. Hypothermia and the endocrine system POL. TYG. LEK. 1956, 11/17 (756-761)

Alterations of metabolic activity, connected with the changes of neurohormonal regulation of an organism at low temperatures are discussed. A review of the literature dealing with the response of the endocrine system to low temperatures is made. Thermoregulation depends on the activity of the endocrine system. O. Thibault showed that adrenalectomy causes a loss of 40%, thyroidectomy of 14% and hypophysectomy of 100% of the regulating capacity of an organism subjected to low temperatures. Morphological alterations in the adrenal, thyroid and the hypophysis as effects of cooling are discussed, as well as the influence the endocrine glands exert upon one another and the effects of administration of hormones upon thermoregulation processes. The problem whether the results obtained in experiments on animals are applicable to the human organism is left open.

Konopacka - Warsaw

MACH, Zdzislaw; GUZIEK, Jan, W.

Effect of cobalt on the thyroid gland. Polski tygod. lek. 11 no.41:1737-1742 8 Oct 56.

1. (Z Zakladu Patologii Ogolnej i Doswiadczalnek A.M. w Krakowie; kierownik: prof. dr. med. Bronislaw Giedosz) Adres: Zakl. Patol. Ogoln. i Dosw., Krakow, Czysta 18.
(THYROID GLAND, effect of drugs on, cobalt (Pol))
(COBALT, effects, on thyroid gland (Pol))

GUZEK, J.W. b. ENVIRONMENTALLY AND EXPERIMENTALLY CONDITIONED

1212. THE EXCLUSION OF DAYLIGHT AND THE ENDOCRINE GLANDS. II. IODINE METABOLISM AND THE HISTOLOGICAL PICTURE OF THE THYROID - Wyłączenie światła dziennego a gruczoły dokrewne. II. Jodowanie się przemiany jodowej i obraz histologiczny przysady - Guzek J. W. and Mach Z. Zakł. Patol Og&l. i Doświadczalnej A.M., Kraków - PATOL.POL. 1957, 3 (263-273) Graphs 1 Tables 6 Illus. 3

Rabbits were kept in darkness for one year. After this period, it was observed that: (1) the total iodine content in the blood increased, (2) the total iodine content in the thyroid gland decreased, (3) the capacity of thyroid for taking up iodine increased, (4) the total iodine content as well as the capacity in certain tissues for taking up iodine (especially in kidney) also increased, (5) the epithelium of the thyroid follicles hypertrophied; the amount of the colloid diminished, the size of the cells of the epithelium of the thyroid follicles as well as the volume of the nuclei in these cells increased. The histological changes in the thyroid described above are illustrated by microphotos. It is assumed that the changes observed are signs of hyperactivity of the thyroid gland in animals kept in darkness.

Gdańsk - Cracow

POLAND / Human and Animal Physiology. Carbohydrate Metabolism. T

Abs Jour : Ref Zhur - Biol., No 15, 1958, No. 69843

Author : Guzek, Jan W.
Inst : Not given
Title : The Influence of Light Stimulation on the Regulation of Carbohydrate Metabolism

Orig Pub : Patol. polska, 1957, Vol 8, No 2, 121-136

Abstract : Maintenance of male rabbits in the dark for a period of a year led to an increase in the amount of sugar in the blood from 111.3 to 136.0 mg per 100 cc, to a noticeable reduction of tolerance of the animals to glucose given by vein, and to an increased sensitivity to insulin. The hyperglycemia appearing after injection of adrenalin was quite low and was quickly replaced by a compensatory hypoglycemia. These changes indicate the considerable disorders of regulation of blood sugar levels in animals kept in the dark.

Card 1/1

POLAND / Human and Animal Physiology. Internal Secretion. The Thyroid Gland. T

Abs Jour: Ref Zhur-Biol., No 22, 1958, 101998.

Author : Guzek, Jan W.; Mach, Zdzislaw.
Inst : Not given.
Title : Deprivation of Daylight and Endocrine Glands. III. Iodine Metabolism and the Histologic Structure of the Thyroid Gland.

Orig Pub: Patol. polska, 1957, 8, No 3, 265-273.

Abstract: In rabbits, who lived in darkness for the duration of one year, the content of I increased in the blood, the amount of I decreased in the thyroid gland (TG), the capacity of TG and some other organs (kidneys) to absorb I increased. The amount of colloids in TG decreased, the heights of cells

Card 1/2

GUZEK, Jan W. (Krakow, Czysta 18)

Exclusion of lifht and the endocrine glands. IV. The Endocrine pancreas. Pat Polska 9 no.1:39-50 Jan-Mar '58.

1. Z Zakladu Patologii Ogolnej i Doswiadczalnej A.M. w Krakowie Kierownik: prof. dr med. B Giedosz.

(ISLANDS, Of LANGERHANS, pathol.
eff. of prolonged darkness on alpha & beta cells in rabbit (Pol))

(DARKNESS, eff.
prolonged exposure on islands of Langerhans alpha & beta cells in rabbit (Pol))

KOSTKA, Elzbieta; GUZEK, Jan W.; MACH, Zdzislaw

Histological changes in the thyroid in various stages of scurvy.
Pat.polska 9 no.2:145-153 Apr-June '58.

1. Z Zakladu Patologii Ogolnej i Doswiadczalnej A.M. w Krakowie.
Kierownik: prof. dr med. B. Giedosz. Adres autora: Krakow, ul. Czysta 18.
(THYROID GLAND, pathol.
histol. in scurvy in various stages in guinea pig. (Pol)))
(SCURVY, pathol.
thyroid histol. in various stages of scurvy in guinea pig.
(Pol))

GUZEK, Jan W. (Krakow, Czysta 18.)

Exclusion of daylight and the endocrine glands. V. The adrenal glands. Pat. polska 9 no.3:233-248 July-Sept 58.

1. Z Zakladu Patologii Ogolnej i Doswiadczalnej A. M. w Krakowie Kierownik: prof. dr med. B. Giedosz.

(ADRENAL GLANDS, physiology
eff. of maintenance of female guinea pigs & rats in total darkness for prolonged periods (Pol))

(DARKNESS, effects
on adrenal glands of female guinea pigs & rats, maintenance for prolonged periods (Pol))

LIWSZYC, Stanislaw; GUZEK, Jan. W.; MIKULOWSKI, Pawel

Effect of reflexes from the palate on kidney status. Polski tygod. lek. 13 no.25:953-956 23 June 58.

1. (Z Zakladu Patologii Ogolnej i Doswiadczalmej Akademii Medycznej w Krakowie; kierownik: prof. dr med. Bronislaw Giedosz i z Zakladu Anatomii Patologicznej Akademii Medycznej w Krakowie; kierownik: prof. dr med. Janina Kowalczykowa). Adres: Krakow, ul. Czysta 18; Zaklad Patologii A. M.

(PALATE, physiol.
eff. of stimulation of soft palate on kidney funct., reflex mechanisms in guinea pig. (Pol))
(KIDNEYS, physiol.
same)
(REFLEX
mechanism of kidney response to stimulation of soft palate in guinea pig (Pol))

GIEDOSZ, Bronislaw; MACH, Zdzislaw; GUZEK, Jan W.

Role of sulfur in iodine metabolism. Pat. polska 10 no.1:13-17 Jan-Mar 59.

1. Z Zakladu Patologii Ogolnej i Doswiadczalnej Akademii Medycznej w Krakowie Kierownik: prof. dr B. Giedosz. Adres autorow: Krakow, ul. Czysta 18.

(IODINE, metabolism,
eff. of sulfur in animals (Pol))
(SULFUR, eff.
on iodine metab. in animals (Pol))

GUZEK, Jan W.

Exclusion of daylight and the endocrine glands. VII. Hypothalamus.
Pat.polska 10 no.3:307-316 '59.

1. Z Zakladu Patologii Ogolnej i Doswiadczalnej A.M. w Krakowie.
Kierownik: prof.dr med. Bronislaw Giedosz.
(HYPOTHALAMUS physiol.)
(DARKNESS eff.)

GUZEK, Jan W.

Exclusion of dyalight and the endocrine glands. 8. The sex glands. Pat.polska 11 no.2:139-144 '60.

1. Z Zakladu Patologii Ogolnej i Doswiadczalnej Akademii Medycznej w Krakowie Kierownik: Prof. dr Bronislaw Giedosz.
(DARKNESS)
(GONADS)

GIEDOSZ, B.; MACH, Z.; GUZEK, J.; KOSTKA, E.; STERECKA, M.

Effects of chronic furfural poisoning. Acta medica polona(Warszawa) 1 no.3/4:203-217 '60.

1. Department of General and Experimental Pathology, Medical Academy in Cracow Director: Professor B. Giedosz.

(FURALDEHYDE toxicol)

GIEDOSZ, Bronislaw; GUZEK, Jan; MACH, Zdislaw

Effect of thyroidectomy and strumectomy on the behavior of radioiodine in the brain. Pat. polska 12 no.2:117-119 '61.

1. Z Zakladu Patologii Ogolnej i Doswiadczalnej A.M. w Krakowie Kierownik: prof. dr Bronislaw Giedosz
(IODINE metab)
(THYROID GLAND physiol)
(BRAIN metab)

SROCZYNSKI, Ryszard, dr inz.; GUZIK, Zbigniew, mgr. inz.

Ferrite elements in the construction of electric micromotors.
Pomiary 10 no.8:362-363 '64

1. Department of Materials of Elements, Institute of Electronics, Warsaw.

GUZELEV, D.

Utilization of freight car containers serves to lower cost of railroad transportation. p. 25.
(TRANSPORTNO DELO Vol. 7, no. 5, 1955, Sofiya)

SO: Monthly List of East European Accessions, (EEAL). LC, Vol. 4, No. 11, Nov. 1955, Uncl.

GUZELJ, Vladimir; PAHOR, Vladimir

Case of hyperinsulinism as a result of insuloma. Zdrav. vest., Ljubljana 23 no.9-10:203-208 1954.

1. Kirurgicna klinika Medicinske visoke sole v Ljubljani, predstojnik prof. dr. Bozidar Lavric; Interna klinika Medicinske visoke sole v Ljubljani, predstojnik prof. dr. Igor Tavcar.

(ISLANDS OF LANGERHANS, neoplasms
in etiol. of hyperinsulinism)
(HYPERINSULINISM, etiol. & pathogen.
adenoma of islands of Langerhans)

GUZELJ, Vladimir, Prof. dr.(Ljubljana)

Early diagnosis of acute abdomen. Med.glasn.9 no.6:210-214 June 55.

(ABDOMEN, ACUTE, diagnosis, early)

BULGAKOV, Nikolay Ivanovich; VESELOV, I.Ya., prof., retsenzent; GUZENBERG, A.I., inzh., retsenzent [deceased]; SMIRNOVA, M.K., red.

[Biochemistry of malt and beer] Biokhimiia soloda i piva. Moskva, Pishchevaia promyshlennost', 1965. 487 p. (MIRA 18:9)

Guzenfel'd, G.M.

130-12-15/24

AUTHORS: Guzenfel'd, G.M., and Korolev, L.G., Engineers

TITLE: Preparation of Hot Steel-pouring Ladles for Receiving the Heat (Podgotovka goryachikh stalerazlivochnykh kovshey k priyemu plavki)

PERIODICAL: Metallurg, 1957, No.12, pp. 24 - 25 (USSR).

ABSTRACT: Until recently, the preparation of ladles for receiving the next heat of steel from tilting open-hearth furnaces at the "Azovstal'" Works used to take 5 hours for clean and 3 times more for skulled ladles. The authors describe a new method, developed by Ye.N. Klochkov and his pouring-side team, in which the operations are carried out with the aid of oxygen without preliminary cooling of the ladle.

ASSOCIATION: "Azovstal'" Works (Zavod "Azovstal'")

AVAILABLE: Library of Congress

Card 1/1

GUZENKO, A.I.

28(1) PHASE I BOOK EXPLOITATION SOV/3117

Moscow. Vyssheye tekhnicheskoye uchilishche. Kafedry "Avtomatika i telemekhanika"

Sistemy avtomaticheskogo regulirovaniya i upravleniya; nekotoryye voprosy teorii i tekhniki (Automatic Regulating and Control Systems; Some Problems in Theory and Technology) Moscow, Mashgiz, 1959. 166 p. (Series: Its Trudy, sbornik no. 97) 7,600 copies printed.

Ed.: V.K. Titov, Candidate of Technical Sciences; Tech. Ed.: L.I. Chernova; Managing Ed. for Literature on Machine Building and Instrument-Making (Mashgiz): N.V. Pokrovskiy, Engineer.

PURPOSE: The book is intended for teachers in schools of higher education, and for engineers and technicians engaged in problems of automation.

COVERAGE: This collection contains articles on the theory and technique of automatic regulation and control. The problems discussed concern calculation of optimum parameters of low-power servomechanisms, correction of a-c systems and systems of automatic regulation with a delay unit, and the construction of self-adjusting a-c systems. Several methods of improving the dynamic properties of servomechanisms, and methods of approximate investigation of pulse servomechanisms, are also explained. Some considerations regarding possible ways of automating butt welding in a random direction are presented. The authors of this collection are all instructors in the department of "Automation and Remote Control" at MVTU imeni Bauman. The articles are based on scientific research work conducted by the department during the last five years. Some personalities are mentioned in each article. References are given after each article.

recommend the use of a two-channel control system for the drive (along the control and excitation windings).

Kavun, Ye.S., Candidate of Technical Sciences. Correcting Devices of A-C Servosystems 52
The author investigates electromechanical correcting devices which in practical operation are insensitive to changes in carrier frequency, do not require additional demodulators and modulators, and provide the necessary stabilizing effect.

Bibliography 67

Kavun, Ye.S., Candidate of Technical Sciences. Design and Construction of an Electromechanical Correcting Device 68
The author outlines the sequence of calculations, discusses the selection of the basic components of the correcting device and describes their construction.

Guzenko, A.I., Candidate of Technical Sciences. Designing Single-cycle Magnetic Power Amplifiers 85
This article presents a further development of the methods of calculating parameters of magnetic amplifiers containing an external feedback and a bias circuit which were suggested in the two articles given as references. The author presents a practical method of designing a single-cycle magnetic amplifier with a bias and an external feedback assembled from three-rod and toroidal cores.

Bibliography 96

Fyatin, Yu.M., Candidate of Technical Sciences. Rational Selection of Parameters of Measuring Bridge Circuits 97
The author demonstrates that matching of bridge parameters with the resistance of the data unit of a Wheatstone measuring bridge system results in a relative and not an absolute power maximum in the measuring device. By this he also shows that K.E. Karandeyev's conclusion (Ref.1) on the inconsistency of Heaviside's optimum conditions is erroneous. The author states that his findings apply to any electric circuit.

Fyatin, Yu.M., Candidate of Technical Sciences. Contact Devices of Automatic Systems 125
According to its author, the object of this article is the systematized presentation of all information essential for correct selection of the contact system, with consideration for its operating conditions. According to the editor of this collection, this particular article may be of use to students of schools of higher education. There are 9 tables of specifications.

Bibliography

L'vov, N.S., Engineer. Automation of Butt Welding in Random Direction 150
The author reports on recent developments in the automation of welding processes which attempt to increase the productivity and economy of these processes, with simultaneous improvement of the quality of the welded seam. A review of existing methods of controlling the position of the welding device and basic considerations on the design of automatic welding machines are presented. Some alternative designs of automatic welding machines based on the use of servo-[illegible]

GUZENKO, A.I., kand.tekhn.nauk

Calculation of single-cycle magnetic power amplifiers. [Trudy] MVTU no.97:85-96 '59. (MIRA 13:5)
(Magnetic amplifiers)

86255

S/103/60/021/011/012/014
B019/B067

28.1000 (1031, 1132, 1043)

AUTHOR: Guzenko, A. I. (Moscow)

TITLE: Construction of Logarithmic Frequency Characteristics of Servosystems With Combined Control

PERIODICAL: Avtomatika i telemekhanika, 1960, Vol. 21, No. 11, pp. 1547 - 1553

TEXT: The author gives a method of constructing logarithmic frequency characteristics of servosystems with combined control in an arbitrary frequency range. This method is based on the substitution of the circuit of the systems described by an equivalent servosystem with a control according to the deviation of the quantity to be measured. By using a nomogram the logarithmic frequency characteristic of the system can be easily constructed at any frequency range from the transmission function of the equivalent servosystem. It is shown that the transmission function of the equivalent system can be represented by:

Card 1/2

Card 2/2

SHEVCHENKO, G. D.

AUTHOR: Sergeyev, A. S., Docent 105 58-4 29/37

TITLE: Dissertations (Dissertatsii)

PERIODICAL: Elektrichestvo, 1958, Nr 4, pp. 88-89 (USSR)

ABSTRACT: For the Degree of Candidate of Technical Sciences, 1947-1954.

At the Moscow Technical College imeni Bauman (Vyssheye tekhnicheskoye uchilishche imeni Bauman).

A. I. Guzenko, on March 1953: "The Method of Analysis and the Synthesis of the Type of Feedbade-Circuits of a Power Servosystem". Official opponents were: Doctor of Technical Sciences Professor N. V. Gorokhov and Candidate of Technical Sciences G. M. Ulanov.

G. D. Shevchenko, on May 25, 1953: "The Effect of the Aluminum Additions on the Quality and the Capacity of Manuel Arc Welding of Low-Carbon Steels". Official opponents were: Doctor of Technical Sciences Professor G. I. Pogodin-Alekseyev and Candidate of Technical Sciences Docent A. A. Yerokhin.

At the Moscow Institute for Aviation imeni Ordzhonikidze (Moskovskiy aviatsionnyy institut im. Ordzhonikidze).

Card 1/3

I. Ya. Lekhtman, on April 28, 1947: "Foundations for the Design of Magnetic Amplifiers". Official opponents were: Doctor of Technical Sciences Professor E. A. Meyerovich and Professor G. M. Zhdanov.

A. Ye. Budarov, on June 30, 1947: "Investigation of Some Types of Impulse-Voltmeters and Wattmeters Within the Range of Meterwaves and in the Case of D. C. Impulses". Official opponents were: Professor I. S. Dzhigit and Candidate of Technical Sciences V. N. Gorshunov.

At the Moscow Mining Institute imeni Stalin (Moskovskiy gornyy institut im. Stalina).

G. Ye. Ivanchenko, on April 17, 1947: "Automation of Mine Conveying by an Asynchronous Motor Drive". Official opponents were: Doctor of Technical Sciences Professor D. P. Morozov and Candidate of Technical Sciences V. S. Kravchenko.

V. G. Shorin, on October 30, 1952: "Some Problems in the Investigation of the Operation of Mine Electrolocomotives". Official opponents were: Doctor of Technical Sciences S. A. Volotkovskiy and Candidate of Technical Sciences Docent S. M. Lomakin.

P. V. Koval', on May 27, 1954: "Some Problems in Using Electromagnetic Drives in Dynamic Coal Undercutting". Official opponents were: Doctor of Technical Sciences Professor A. V. Dokukin and Candidate of Technical Sciences Docent V. C. Savastyev.
At the Moscow Institute for Mechanics (Moskovskiy mekhanicheskiy institut).
Ye. V. Filipchuk, on June 30, 1953: "Graphical Analytical Method for the Investigation of a Relay Sewosystem". Official opponents were: Doctor of Technical Sciences Professor A. S. Shatalov and Candidate of Technical Sciences Docent V. V. Petrov.

AVAILABLE: Library of Congress

1. Electrical engineering-Reports

Card 3/3

Guzenko, A.I.

28(1) PHASE I BOOK EXPLOITATION SOV/2087

Elementy sistem avtomaticheskogo regulirovaniya. ch. 1: Chuvstvitel'nyye usilitel'nyye i ispolnitel'nyye elementy (Elements of Automatic Control Systems. pt. 1: Sensing, Amplifying and Control Elements) Moscow, Mashgiz, 1959. 722 p. (Series: Osnovy avtomaticheskogo regulirovaniya, t 2) Errata slip inserted. 13,000 copies printed.

Reviewers: F. F. Galteyev, Candidate of Technical Sciences, V. A. Karesev, Doctor of Technical Sciences, P. P. Klobukov, Candidate of Technical Sciences, V. V. Petrov, Candidate of Technical Sciences, Yu. D. Ragozin, Candidate of Technical Sciences, Yu. R. Reyngol'd, Engineer, B. A. Ryabov, Doctor of Technical Sciences, B.D. Sadovskiy, Candidate of Technical Sciences, A. G. Saybel', Candidate of Technical Sciences, and A. A. Shevyakov, Candidate of Technical Sciences; Scientific Eds.: I. M. Vitenberg, Candidate of Technical Sciences, A. I. Moldaver, Candidate of Technical Sciences, and Yu. Ye. Ruzskiy, Candidate of Technical Sciences; Ed. of Series: V. V. Solodovnikov, Doctor of Technical Sciences, Professor; Eds. of Publishing House: G. F. Polyakov, A. G. Akimova, and G. M. Konovalov; Tech. Eds.: A. Ya. Tikhanov

Card 1/13

and T. F. Sokolova; Managing Ed. for Literature on Machine Building and Instrument Construction (Mashgiz): N. V. Pokrovskiy, Engineer.

PURPOSE: This book is intended for engineering and scientific personnel and for instructors of vtuzes concerned with problems of automatic control.

COVERAGE: The authors explain the principle of operation of automatic control elements and servomechanisms. They also discuss typical automatic control circuits and present equations of motion and static and dynamic characteristics of automatic control elements. They describe sensing elements, amplifiers, control elements and transducers. The book contains Sections I, II, and III of Part 1, Volume II, "Principles of Automatic Control." The following persons participated in writing the present work:
D. A. Braslavskiy, Candidate of Technical Sciences, paragraph 4 of Chapter III and paragraphs 1-8 and 14 of Chapter IV;
L. S. Gol'dfarb, Doctor of Technical Sciences, paragraphs 1, 2, 6 and 7 of Chapter I; A. I. Guzenko, Candidate of Technical

Sciences, paragraph 1 of Chapter VIII; K. Ye. Dmitriyev, Candidate of Technical Sciences, paragraph 2 of Chapter XIII; V. A. Kalashnikov, Engineer, Chapter XIV; P. P. Klobukov, Candidate of Technical Sciences, paragraphs 2 and 3 of Chapter VIII; P. F. Klubnikin, Candidate of Technical Sciences, Chapter XII; I. M. Krassov, Candidate of Technical Sciences, paragraph 1 of Chapter XIII, and Chapter XIV; D. S. Pel'por, Doctor of Technical Sciences, paragraphs 1-3of Chapter III; V. V. Petrov, Candidate of Technical Sciences, paragraph 1 of Chapter XIII, and Chapter XIV; M. A. Rozenblat, Doctor of Technical Sciences, Chapter VII; Yu. Ye. Ruzskiy, Candidate of Technical Sciences, paragraphs 1, 3-5 and 8-10 of Chapter 1, paragraphs 2-5, 12, 13 and 17 of Chapter II, paragraph 3 of Chapter XIII, and Chapter IX; B. D. Sadovskiy, Candidate of Technical Sciences, paragraphs 1 and 2 ofChapter X; A. A. Sokolov, Candidate of Technical Sciences, Chapter VI; V.K. Titov, Candidate of Technical Sciences, paragraphs 9-13 of Chapter IV, paragraph 4 of Chapter X, and Chapter XI; G. M. Ulanov, Candidate of Technical Sciences, paragraph 1 of Chapter II; Ye. V. Filipchuk, Candidate of Technical Sciences, paragraphs 6-11, 14-16 and 18-29 of Chapter II;

A. Ye. Kharybin, Candidate of Technical Sciences, Chapter V; and V. A. Khokhlov, Candidate of Technical Sciences, paragraph 1 of Chapter IX and paragraph 1 of Chapter XIII. References appear at the end of each chapter.

TABLE OF CONTENTS: