

YEVDOKIMOV, A.I., zasluzhennyy deyatel' nauki, professor; GUTNER, Ya.I.,
dotsent

Treating pulpitis, periodontitis and pyorrhoea alveolaris. Stomatologia
36 no.3:3-11 My-Je '57. (MLRA 10:9)
(TMETH--DISEASES)

GUTNER, Yakov Iosifovich

[Clinical aspects and treatment of diseases of the dental pulp
and periodontium] Klinika i lechenie boleznei pul'py zuba i
periodonta. Moskva, Medgis, 1958. 190 p. (MIRA 13:4)
(TEETH--DISEASES)

GUTNER, Ya. I.

ITINA, A.I.; ITIN, Z.Ye.; GUTNER, Ya.I.; ARKHANGEL'SKAYA, N.V. (Moskva)

Conduction anesthesia of the lower jaw administered in the retromolar fossa (retromolar anesthesia). Stomatologiya 37 no.2:32-35 Mr-Apr '58.

(LOCAL ANESTHESIA)

(MIRA 11:5)

GUTNER, Ya.I., dots.

"Orthopedic treatment of pyorrhea alveolaris (amphodontosis) and defective articulation." by V.IU. Kurliandskii. Reviewed by I.A.I. Gutner.
Stomatologiya 37 no.4:73-75 J1-Ag '58 (MIRA 11:9)
(PYORRHEA)
(DENTAL PROSTHESIS)

GUPNER, Ya.I., dotsent (Moskva)

Some practical questions in treating periodontitis. Stomatologia
37 no.5:17-19 S-O '58 (MIRA 11:11)
(TEETH--DISEASES)

GUTNER, YA.I., dots.; SHEFTEL', S.I., kand. med. nauk.

Osteomyelitis of the border of the mandible and its peculiarities.
Stomatologiya 38 no.1:46-49 Ja-F '59. (MIRA 12:3)
(OSTEOMYELITIS) (JAWS---DISEASES)

GUTNER, Yakov Iosifovich

[Course in therapeutic stomatology] Praktikum po terapevti-
cheskoi stomatologii. Moskva, Medgiz, 1960. 283 p.
(MIRA 13:12)

(STOMATOLOGY)

GUTNER, Ya.I., dotsent

Submucosal injection of penicillin in the oral cavity. Sbor.
nauch.-prak.rab.Poliklin.im.F.E.Dzerzh. no.2:171-175 '61.

(MIRA 16:4)

(STOMATOLOGY) (PENICILLIN)

GUTNER, Ya.I., dotsent

"Surgical stomatology" by A.E.Verlotskii. Reviewed by IA.I.Gutner.
Stomatologia 40 no.2:102-104 Mr-Apr '61. (MIRA 14:5)
(STOMATOLOGY) (VERLOTSKII, A.E.)

GUTNEVA, A.K.

Pulp for manufacturing paper and cardboard. Standartizatsiia
25 no.9:52 S '61. (MIRA 14:9)
(Woodpulp--Standards)

GUTNIAK, O.

Natural ultrafiltration of the human blood and its relation to changes of position. Polski tygod. lek. 8 no.11:401-404 16 Mar 1953. (CLML 24:5)

1. Doctor of Chemistry. 2. Of the Institute of Physiological Chemistry (Head--Prof. Wlodzimierz Mozolowski, M.D.) of Gdansk Medical Academy.
3. First Communication: M. Zydowo. Pol. tygod lek. 1952, p.697. 4. Second Communication: St. Byczkowski Pol. tygod. lek., 1952, p. 923.
5. Experimental results in this third communication were the subject of the doctoral thesis of O. Gutniak accepted by the Mathematico-Natural Sciences Faculty of the Nicolai Copernicus University in Torun.

EXCERPTA MEDICA Sec 2 Vol 12/1 Physiology Jan 59

104. NORMAL VARIABILITY OF URINARY COPROPORPHYRIN EXCRETION
IN HEALTHY MEN - O normalnej zmienności występowania koproporfiryny
w moczu ludzi zdrowych - Gutniak Q. and Daniewicz A. M. - MED.
PRACY 1957, 8/6 (411-420) Graphs 1 Tables 7

A modification of the method of Schwartz and coworkers for quantitative determination of coproporphyrin in urine free from uroporphyrin is described. The normal daily excretion of coproporphyrin measured by this method in 100 healthy men and women was $132 \pm 50 \mu\text{g.}$ ($15 \pm 5 \mu\text{g.}$ per 100 ml.). There was significant difference between the sexes.
Czubalski - Warsaw

GUTNIAK, O.

SCIENCE

Periodicals: CHEMIA ANALITYCZNA. Vol. 3, no. 2, 1958.

GUTNIAK, O. Some problems of porphyrin analysis. p. 99.

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 4
April 1959, Unclass.

GUTNIAK, Olga

Identification of porphyrins in urine of a patient with porphyria cutanea tarda. *Przegl.derm.,Warsz.* 47 no.2:93-105 Mr-Apr '60.

1. Z Instytutu Badan Jadrowych w Warszawie. Dyrektor: prof.dr P. Nowacki. Zaklad Ochrony Zdrowia. Kierownik: doc.dr E.Kowalski.
(PORPHYRIA case reports)

GUTNIAK, Olga; WEREMOWICZ, Jan

Porphyryns and porphyria. Polskie arch. med. wewn. 31 no.10:1385-1398 '61.

1. Z Zakladu Ochrony Zdrowia Instytutu Badan Jadrowych PAN.
Kierownik: prof. dr med. E. Kowalski i z IV Zakladu Chorob
Wwnetranych Studium Doskonalenia Lekarzy AM w Warszawie Kierownik:
prof. dr nauk med. W. Orlowski.
(PORPHRIA) (PORPHYRINS)

CHORZELSKI, Tadeusz; RUDZKI, Edward; GUTNIAK, Olga

Porphyria cutanea tarda. Przegl. dermat. 48 no.1:27-36 '61.

1. Z Kliniki Dermatologicznej A.M. w Warszawie Kierownik: prof. dr
S. Jablonska Z Instytutu Badan Jadrowych - Zaklad Ochrony Zdrowia
Kierownik: doc. dr E. Kowalski.

(PORPHYRIA)

GUTNIAK, Olga; KRAWCZYK, Irena

Determination of δ -aminolevulinic acid and porphobilinogen in the urine. Pol. arch. med. wewn. 32 no.12:1517-1523 '62.

1. Z Zakładu Ochrony Zdrowia Instytutu Badań Jądrowych w Warszawie
Kierownik: prof. dr med. E. Kowalski i z Zakładu Chemii Analitycznej
Instytutu Badań Jądrowych w Warszawie Kierownik: prof. dr J. Minczewski.
(LEVULINIC ACID) (PORPHYRINS) (BILE PIGMENTS)

KOZLOVA-LIPOVA, HELEN I. DOKLADY, 1974

Urinary excretion of porphyrins and their precursors in subjects exposed to gamma: absorption of lead and its compounds. Pol. arch. med. wewet. 34 no.9:1213-1220 '74.

1. Z I Kliniki Chorob Wewnętrznych Akademii Medycznej w Warszawie (Kierownik prof. dr. med. A. Biernacki [deceased]) i z Zakładu Ciepoty Zdrowia Instytutu Ładon Jądrowych w Warszawie (Kierownik prof. dr. med. B. Kowalski).

GUTNIK, A.F.

Temperature regulator for the VNIKhP moisture determination
apparatus. Khleb. i kond. prom. 1 no.12:36 D '57. (MIRA 11:1)

1. Cheboksarskiy khlebozavod No.2.
(Thermostat) (Bakers and bakeries--Equipment and supplies)

GUTNIK, G.B.
C.Y.

7

Determination of small quantities of calcium. I. M. Korenman and G. B. Gutnik. *Zhurnal Khim. Fiz.* 18, 1405 (1948). Treat 50-170 mg of sample in a centrifuge tube with 50 ml. of 2.4 N HCl. To the soln. add 30-40 ml. of 4% $\text{Na}_2\text{C}_2\text{O}_4$ soln., and add 10% NH_4OH dropwise until the soln. is yellow to added methyl orange. After 2-3 min. heating on the steam bath, and 20 min. standing, centrifuge the ppt. in 20-30 ml. of 2.4 N HCl and reprecipitate with a little 4% $\text{Na}_2\text{C}_2\text{O}_4$ and 10% NH_4OH as above, after centrifuging and washing, dissolve the ppt. in a little 7 N H_2SO_4 , heat to 70°, and titrate with 0.1 N KMnO_4 . G. M. Kosolapoff

Gulnik, J.M.

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Tests for purity of naganol. I. M. Gulnik. *Aptekhae*
Dokl. S. No. 3, 55(1958) - Five cc. of an aq. soln. of naganol
(1:20) produces a flocculent ppt. of a fleshy color when treated
with a few drops of $Pb(OAc)_2$ soln. When about 1 g. of
naganol is burned, H_2S is liberated as evidenced by darkening
of a paper strip moistened with $Pb(OAc)_2$ soln.

A. S. Mirkin

jms mk

GUTNIK, L.A.

Extension of integral subgroups of certain groups [with summary
in English]. Vest. LGU no.19:47-78 '57. (MIRA 11:1)
(Groups, Theory of)

AUTHOR: Gutnik, L.A.

SOV/20-121-5-4/50

TITLE: ~~On the Arithmetic of Matrices~~ (K arifmetike matrits)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol 121, Nr 5, pp 786-789 (USSR)

ABSTRACT: After numerous definitions and the introduction of a partially individual symbolism the author formulates nine theorems without proofs on the arithmetic properties of matrices, e.g. a very complicated product representation for the number of divisors of a matrix, for the number of certain matrix classes etc. Results due to Siegel [Ref 1,2] and Köcher [Ref 3,4] are used essentially. Some of the obtained relations are analogues to the results of Siegel and Hasse on quadratic forms. There are 4 references, 2 of which are Soviet, and 2 American.

PRESENTED: April 8, 1958, by I.M.Vinogradov, Academician

SUBMITTED: April 3, 1958

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GUTNIK, L.A.

Some problems in the arithmetic of matrices. Uch. zap. NPI
138:47-77 '58.

(Matrices)

GUTNIK, L.A.

Some theoretical numerical functions from matrices. Uch.zap.
MPI 138:79-106 '58. (MIRA 13:5)

(Numerical functions) (Matrices)

GUTNIK, L. A.: Master Phys-Math Sci (diss) -- "The arithmetic of matrices".
Moscow, 1959. 10 pp (Min Educ RSFSR, Moscow State Pedagogical Inst im V. I.
Lenin), 150 copies (KL, No 15, 1959, 113)

RABINOVICH, V.L. (Petropavlovsk-Kazakhstanskiy); KONSTANTINOV, N.N. (Moskva);
VARPAKHOVSKIY, F.L. (Moskva); BESKINA, L.N. (Moskva); BEREZIN, F.A.
(Moskva); CUTNIK, L.A. (Moskva)

Solutions of problems. Mat. pros. no.6:337-353 '61. (MIRA 15:3)
(Mathematics--Problems, exercises, etc.)

GUTNIK, L.A.

~~Arithmetic~~ Arithmetic of skew-symmetric matrices. Uch. zap. MGPI no.188:
71-82 '62. (MIRA 16:9)

(Matrices)

GUTNIK, L.A.

Möbius' function for one-sided ideals of certain matrix rings.
Uch. zap. MGPI no.188:83-87 '62. (MIRA 16:9)
(Ideals (Algebra)) (Rings (Algebra))

GUTNIK, M. A.

USSR/Engineering - Machine tools

Card 1/1 : Pub. 128 - 13/25

Authors : Gutnik, M. A.

Title : ~~High-speed cold stamping~~

Periodical : Vest. mash. 1, 64-67, Jan 1955

Abstract : The editorial gives some information on efforts undertaken by the "Metal Furniture Plant TRUD", in the field of speeding-up the cold stamping of components by increasing the carriage travel on shearing presses and modifying the automatic feed of strips in dies. Illustrations; drawings.

Institution :

Submitted :

GUTNIK, M.A. inzhener.

Rapid cold-die stamping. Prom. koop. no.1:21-23 Ja '56.
(Sheet-metal work) (MLRA 9:6)

GUTNIK, M.A.; DOLGOPOLOV, R.A.; SAMOYLOVA, A.A.

Introduction of high-speed cold stamping. Suggestion by
M.A. Gutnik, R.A. Dolgopolov, A.A. Samoilov. Prom.energ.
11 no,11:17-18 N '56. (MLRA 9:12)

(Sheet-metal work)

Automation of Cold [Metal] Stamping Production

SOV/5580

COVERAGE: The collection contains reports delivered at the Kiev Scientific and Technical Conference by workers of machine and instrument plants, design organizations, and scientific research and educational institutes. The conference was sponsored by the Kiyevskoye obshchestvo pravleniye Mashinostroyeniya (Kiev Scientific and Technical Society of the Machine-Building Industry) and by the Ukrainiyske respublikan'skoye pravleniye Mashinostroyeniya (Ukrainian Administration of the Scientific and Technical Society of the Instrument-Building Industry). The purpose of the Conference was to discuss the achievements and practical experience (especially at the Gorkiy Automobile Plant, the Piv Plant, and Lembergi factories) in the automation of stamping production. The Conference also served to acquaint a wide number of machine and instrument builders with the present state of automation in these fields and with the prospects for its further development. Papers dealing with experience in the design and production of automatic devices, presses, and automatic production lines used in stamping production were discussed. No personalities are mentioned. References accompany most of the articles.

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PLACE 1 BOOK EXPLANATION SOV/5580

Golubev, T.M., Doctor of Technical Sciences, Professor, and I.P. Tarasovskiy, Candidate of Technical Sciences, Docent, eds.

Avtomatizatsiya kholodochastnykh proizvodstv (Automation of Cold [Metal] Stamping Production) Moscow, Mashgiz, 1961. 282 p. 6,000 copies printed.

Spetsializatsiya: Gosstatvuznyy nauchno-tekhnicheskiy komitet Soversha Ministroy Tekhnicheskoy informatsii. Mashinostroyeniye obshchestvo pravleniye Mashinostroyeniya respublikan'skoye upravleniye Mashinostroyeniya Ukrainiyskoye respublikan'skoye pravleniye.

Ed.: M.S. Soroka; Tech. Ed.: M.S. Gomostaypol'skaya; Chief Ed.: (Southern Dept. Mashgiz): V.K. Serdyuk, Engineer.

PURPOSE: This collection of articles is intended for workers at machine and instrument plants and scientific research and design institutes.

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PHASE I BOOK EXPLOITATION SOV/5658

Ivanov, Aleksandr Petrovich, Candidate of Technical Sciences, and Viktor Dmitriyevich Lisitsyn, Candidate of Technical Sciences, eds.

Modernizatsiya kuznechno-shtampovochnogo oborudovaniya (Modernization of Die-Forging Equipment) Moscow, Mashgiz, 1961. 226 p. Errata slip inserted. 10,000 copies printed.

Reviewer: V. Ye. Nedorezov, Candidate of Technical Sciences; Ed. of Publishing House: T. L. Ioykina; Tech. Ed.: A. A. Bardina; Managing Ed. for Literature on Machine-Building Technology (Leningrad Department, Mashgiz): Ye. P. Naumov, Engineer.

PURPOSE: This book is intended for foremen, machinists, designers, and process engineers concerned with the modernization and designing of die-forging equipment. It may also be used by students at schools of higher education.

COVERAGE: The book contains material presented at the Conference

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Modernization of Die-Forging Equipment

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on Problems in the Modernization and Operation of Die-Forging Equipment, held in November 1958 in Leningrad. The Conference was called by Leningradskiy Sovet narodnogo khozyaystva, Sektsiya obrabotki metallov davleniyem Leningradskogo oblastnogo pravleniya NTO Mashprom (Leningrad Council of the National Economy, Section of Metal Pressworking at the Leningrad Oblast Board of the Scientific and Technical Society of the Machine Industry) and Leningradskiy mekhanicheskiy institut (Leningrad Mechanical Engineering Institute). Actual problems in the modernization, operation, and repair of die-forging equipment are described. Analyses are provided for problems involved in the mechanization and automation of die-forging and stamping operations. Also included are practical data to be used in the modernization of equipment. No personalities are mentioned. There are 59 references: 56 Soviet, 2 German, and 1 English.

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GUTNIK, M.A.; BORISOV, L.F.; NOVIKOV, I.K.; SPASSKIY, N.N.; OVCHINNIKOV,
A.N.; STOLYAROV, A.B.; KLAVIR, A.V.; GALKINA, V.I.; SHALFEYEV,
V.I.

Overall mechanization of decorative grinding and polishing operations. Prom. energ. 17 no.9:6-8 S '62. (MIRA 15:8)
(Grinding machines)

GUTNIK, M.B.

Ultrahigh-frequency electric field for treating exudative pleurisy.
Vop.kur., fizioter. i lech. fiz.kul't. 22 no.5:77-78 S-O '57.

(MIRA 11:2)

1. Zaveduyushchaya fizioterapevticheskim otdeleniyem Grozdenskiy
oblastnoy bol'nitsy.
(PLEURISY) (DIATHERMY)

BENYAKOVSKIY, M.A.; GRINBERG, P.I.; GUTNIK, M.V.

Designing continuous pickling units. Metallurg 9 no.12:30-31
D '64. (MIRA 18:2)

1. Cherepovetskiy metallurgicheskiy zavod.

BENYAKOVSKIY, M.A.; GUTNEK, M.V.; TCRPOV, G.M.; BUTYLKINA, L.I.;
REUTOV, Yu.G.; SHIKHANOVICH, B.A.; FIRSOV, P.A.; NAGAYEV, S.A.

Mastering the operation of the plant for cold-rolled sheet production.
Stal' 25 no.8:726-730 Ag '65. (MIRA 18:8)

1. Cherepovetskiy metallurgicheskiy zavod.

BRONOVITSKIY, V. Ye.; USMANOV, Kh.G.; GUTNIK, M. Ya.

Chip borads from lignir- furfurole resins. Khim. i fiz.-khim.
prirod. i sint. polim. no.1:242-252 '62 (MIRA 18:1)

1. Chlen-korrespondent AN UzSSR (for Usmanov).

BURYAK, P.G., inzh.; POSTERNAK, S.S., inzh.; GUTNIK, N.S., inzh.

Precast monolithic heat-resistant reinforced concrete constructions
of coke-oven batteries. Prom.stroi. 37 no.12:27-29
D '59. (MIRA 13:4)

1. Giprokoks.
(Coke ovens) (Foundations) (Precast concrete construction)

GUTNIK, R. B.

Physiological evaluation of the action of an erythrocyte suspension
in a lactate-saccharose-glucose solution without citrate. Vrach.
delo no.3:76-79 Mr '62. (MIRA 15:7)

1. Kiyevskiy nauchno-issledovatel'skiy institut perelivaniya
krovi i neotlozhnoy khirurgii.

(HEMORRHAGE) (ERYTHROCYTES)

GUTNIK, R.B.

Outbreak of measles in a village of the western part of the Ukraine.
Zhur. mikrobiol. epid. i immun. no.12:75-77 D '55. (MLRA 9:5)

1. Iz rayonnoy sanitarno-epidemiologicheskoy stantsii Voynilovskogo
rayona Stanislavskoy oblasti.
(MEASLES, epidemiology,
in Russia)

GUTNIK, R.B.

New solution for the preservation and later use of an erythrocytic suspension. Probl.gemat.i perel.krovi no.7:45-50 '61.

(MIRA 14:9)

1. Iz Kiyevskogo instituta perelivaniya krovi (dir. - prof. I.I. Fedorov).

(ERYTHROCYTES)

GUTNIK, R.S.

Possibilities of using non-citrated erythrocyte suspensions
for total blood substitution in animals. Eksp. khir. i
anest. 8 no.5:90-92 S-D '63. (MIRA 17:6)

I. Kiyevskiy nauchno-issledovatel'skiy institut pereslivaniya
krovi i nastolzhnoy khirurgii (direktor - prof. I.I. Fedorov).

POLUBOYARINOVA, A.G.; GUTNIK, R.B.

Possibility of using sodium lactate solutions as a medium for the preservation of the erythrocyte suspension. Trudy Kiev. nauch.-issl. inst. perel. krovi i neotlozh. khir. 3:48-51 '61. (MIRA 17:10)

1. Kiyevskiy institut perelivaniya krovi.

GUTNIK, R.B.

Method of separating plasma for blood preparation in plastic bags.
Probl. gemat. i perel. krovi no.3:47-48 '65.

(MIRA 18:10)

1. Kiyevskiy nauchno-issledovatel'skiy institut perelivaniya krovi
i neotlozhnoy khirurgii (nauchnyy rukovoditel' - prof. A.G.
Karavanov; direktor - dotsent S.S.Iavrik).

USSR / Human and Animal Physiology. Blood Circulation. T
General Problems.

Abs Jour: Ref Zhur-Biol., No 22, 1958, 101808.

Author : Gutnik, R. Ye.
Inst : Chernovitsy University.
Title : On the Problem of the Influence of the Pneumoperi-
toneum on Respiration and Blood Circulation.

Orig Pub: Nauchn. yezhegodnik. Chernovitsk. un-t, 1956 (1957),
1, No 2, 92-95.

Abstract: In 19 dogs under urethane narcosis, the introduc-
tion of 100-400 ml of air into the peritoneal
cavity did not induce regular changes from the
side of blood pressure (BP), as registered in the
carotid artery by a mercury manometer and tono-
meter. With introduction of 500-1750 ml of air
into the peritoneal cavity, lowering of BP was

Card 1/2

USSR / Human and Animal Physiology. Blood Circulation. T
General Problems.

Abs Jour: Ref Zhur-Biol., No 22, 1958, 101808.

Abstract: noted in 65% of experiments, its rise in 10%. With pumping out of air, BP increased by 2-6 mm of mercury column. The increase of respiration amplitude was noted in 70% of experiments, its acceleration in 55%; in 84% of experiments in the introduction of air into the peritoneal cavity, dilatation of the thorax occurred after 15-20 sec., which disappeared after the evacuation of air. The duration of the latent period of all of these reactions was 15-20 sec.; their transitional character evidences their reflex nature. -- V. Yu. Ostrovskiy.

Card 2/2

28

GUTNIK, S., neshtatnyy korrespondent (Kiyev); SHPILLER, V., neshtatnyy korrespondent (Kiyev)

Sever with built-in refrigerator. Mest.prom. i khud.promys. 4 no.3:
13 Mr '63. (MIRA 16:4)

(Refrigerators)

(Furniture industry)

SOV/112-58-2-2253

Translation from: Referativnyy zhurnal, Elektrotekhnika, 1958, Nr 2, p 79 (USSR)

AUTHOR: Verzhbolovich, A. V., Gutaik, V. I., and Varvaashenya, V. I.

TITLE: The Starting and Operation of a 3-Phase Motor With a Single-Phase Supply
(Pusk i rabota trekhfaznogo dvigatelya na odnofaznom toke)

PERIODICAL: Sb. stud. nauchn. rabot. Belorussk. politekhn. in-t, 1956, Nr 3,
pp 110-111

ABSTRACT: Bibliographic entry.

Card 1/1

NEODCVIZIY, I.N., inzh.; AL'TER, V.F., inzh.; GUTNIK, V.N., inzh.; KAPLAN, S.B.,
inzh.; LESHCHINSKIY, I.Z., inzh.

Adjustment and the mastering of a high-speed, uniflow drawing machine.
Stal' 23 no.12:1128-1130 D '63. (MIRA 17:2)

1. Nauchno-issledovatel'skiy institut metiznoy promyshlennosti i Magnito-
gorskiy metizno-metallurgicheskiy zavod.

GUTNIK, Ya.Ya.

New designs of automatic crossing gates. Avtom., telem.i sviaz'
7 no.3:4-6 Mr '63. (MIRA 16:2)

1. Glavnyy konstruktor zavoda "Svetofor".
(Railroads—Crossings)

31020. CUTNIK, YE. I.

K kazuistike ostrogo appenditsita pri polnom obratnom paspolozhenii
vnutrenniy opganov. Khirurgiya, 1949, No. 9, s. 81-82

GUTNIK, Ye.I.

‡
Complications of artificial pneumoperitoneum. Vrach. delo no.9:
138-139 S '61. (MIRA 14:12)

1. Tret'ye khirurgicheskoye otdeleniye (zav. - prof. V.I.Akimov)
bol'nitsy imeni Oktyabr'skoy revolyutsii g. Kiyeva.
(PNEUMOPERITONEUM, ARTIFICIAL)

GUTNIK, Ye. P.

Content of phtivazide in the cerebrospinal fluid in
tuberculous meningitis in children. Probl. tub. 41. no.3:
50-52 '63. (MIRA 16:9)

1. Iz Rostovskogo-na-Donu respublikanskogo nauchno-issledo-
vatel'skogo instituta akusherstva i pediatrii (dir. - kand.
med. nauk F.S.Baranovskaya, nauchnyy rukovoditel' - prof.
T.V.Loverdo) Ministerstva zdravookhraneniya RSFSR.

*

GUTNIKOV, B. Z.

Gutnikov, B. Z. - "Surgery for tumors of the large intestine,"
Trudy Rost. rentgeno-radiol. i onkol. in-ta, Issue 2, 1948,
p. 34-42

SO: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 14, 1949).

GUTNIKOV, B.Z., prof.; RUSAKOV, V.I., kand.med.nauk; PANCHENKO, G.S.,
kand.med.nauk; KOVALEV, G.G.; AKSETOV, A.I.; KHOPRYACHKOV, N.V.;
KOMBACHEKOV, A.Sh.

Late results of treating patients with urethral strictures.
Urologiia no.6:45-51 '60. (MIRA 15:5)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - prof. B.Z.
Gutnikov) Rostovskogo meditsinskogo instituta.
(URETHRA--STRICTURE)

137-58-4-7062

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 4, p 109 (USSR)

AUTHOR: Gutnikov, E. Yu.

TITLE: Indicators Required in Rolling Mill Automation (Indikatory avtomatiki prokatnykh stanov)

PERIODICAL: V sb. : Materialy konferentsii-kursov po elektroprivodu i avtomatiz. tekhnol. protsessov metallurg. predpriyatiy. Sverdlovsk, Metallurgizdat, 1957, pp 202-231

ABSTRACT: The requirements that have to be met by indicators are set forth. A roller track switch that is lowered under the action of the strip to close a contact, and a switch with a floating flag indicator permitting the metal to move in either direction, used to automate a strip mill, have been developed. For a photo relay (P), used on hot mills, the best spectral characteristics are provided by PS-Al photoconductive cells, which also have good frequency response. The spectral and frequency responses of photocells, circuits, and comparative data of P of types FEA-10 (with TsG-3 photocell), FRM-148 (with TsG-4 photocell), and FRS-53 (with FS-Al photo resistor), are presented. The last of these has provided the foundation for the manufacture of a relay em-

Card 1/2

137-58-4-7062

Indicators Required in Rolling Mill Automation

employing modulated light: FRS-55-1 with an output employing a RE-100 relay, or a KP-21/55 contactor, and the FRS-55-2 and FRS-55-3 employing an MKU-48 relay output. Multiple-position P have been developed. These contain a number of photocells in a single head.

D. K.

1. Rolling mills--Automation
2. Indicators--Applications

Card 2/2

GUTNIKOV, E. Yu. (Eng.)

"Metallurgical Photorelays With Photoresistors"

(Use of Semiconductors in Instrument Making; Transactions of a Conference)
Moscow, Mashiz, 1958. 258 p.

GUTNIKOV, E.Yu.

The FRS-15 miniature photorelay. Biul.tekh.-ekon.inform. no.4:36-
38 '60. (MIRA 13:11)

(Photoelectric measurements)

S/130/61/000/001/004/006
A006/A001

AUTHORS: Gutnikov, E. Yu., Chuzo, N. N.

TITLE: Automatic Machine to Measure the Length of Rolled Work

PERIODICAL: Metallurg, 1961, No. 1, pp. 23-25

TEXT: Uralmetallurgavtomatika has developed a contact photoelectric device of the ЛМ-9 (LEM-59) type to measure the length of moving rolled stock during the rolling process. The device operates from the radiation of the heated metal. Its measuring principle is similar to that of a machine described in an American Periodical (Iron and Steel Engineer, 1959, No. 1, p. 137). Lead-sulfide photo resistances, very sensitive to infrared radiation, are used as photo-transducers. The automatic device measures the variable section of the work up to 500 mm length, the constant section may be of any length. The principle electric circuit diagram of the machine is shown in Figure 1. The front edge of the rolled work (A) when leaving the rolls enters the restricted visual field of the basic photo resistance (block 5) connected to the input of the basic electronic d-c amplifier (block 2) with relay characteristics. Pulses from the rolled work are transmitted to the starting anodes of thyratrons with a cold МТХ-90 (MTKh-90) type cathode; the

Card 1/4

Automatic Machine to Measure the Length of Rolled Work

S/130/61/000/001/004/006
A006/A001

thyratrons may be in ignited or extinguished state. The glow thyatron indicates the measured length of the rolled work on a scale. An original system of thyatron extinction is used, assuring in multi-channel systems, the summarizing of all incoming pulses. The use of such photo-electric devices is made difficult when water-cooling the rolls, due to the formation of vapors. To eliminate the effect of vapors on measurement and to reduce the measuring time, the arrangement of the basic block 5, was improved. Instead of being mounted at the rear of the stand the block was fastened at the front side in such a manner that the departure of the rear end of the rolled work was instantaneously fixed, as soon as the work disappeared in the roller gap, independent of vapor formation. (Figure 2). The length of rolled work can be measured with an accuracy of ± 10 mm. The machine was tested during industrial operation and satisfactory results were obtained. Facilitated attendance, a decrease of rejects, and higher labor efficiency are the advantages of automatic measuring of rolled work, in particular, on sheet rolling mills. ✓

Card 2/4

S/130/61/000/009/005/005
A006/A101

AUTHORS: Volkov, V.V.; Gutnikov, E. Yu.; Kostenko, M. A.

TITLE: Electronic automatic control device for pipe rolling mills

PERIODICAL: Metallurg. ⁶no. 9. 1961. 28-31
_h

TEXT: The special designing office at "Uralmontazhavtomatika" Trust in cooperation with the Pervoural'skiy Novotrubnyy zavod (New Pipe-rolling Plant) has automated the "140 no.3" pipe rolling mill by automation of the long-running pneumodrives of the support bearings and of the clamping device of the burnishing stands. Optimum automatic control of the pneumodrive was only possible with the aid of a specially developed electronic computer (ERU). The operation of the control system is demonstrated on the example of the piston back stroke (Fig. 2). Air is supplied to the right hand cylinder hollow of the pneumodrive and the piston is driven away. At point x_t the right hand hollow of the cylinder is open to air access and air is supplied to the left hand hollow as a counter-pressure brake. The coordinate of point x_t is selected in such a manner that the piston will be stopped in the extremal position (point l_0); the left hand hollow is then open to air access. The coordinate of point x_t depends generally

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Electronic automatic control device ...

S/130/61/000/009/005/005
A006/A101

on factors affecting the pneumodrive motion. The coordinates of x_t for each piston stroke are determined by the computer units of the electronic device, i.e. electronic time relays with automatic control of the forward and back stroke interval. A point with a fixed coordinate (x_k) is selected on the piston trajectory. Values of air pressure and piston speed, when passing through this point, are determined by pickups and the computer units calculate the time gap within which the piston is at point x_t when the stop command is given. The information from the pickups is supplied to the control system which is shown in a block diagram. Reduction of pipes by the pressure device is controlled by maintaining constant the motor load of the main drive for each pipe profile. The electronic control device of the motor load $\mathcal{P}H$ (ERN) is the main link of the automatic control system of pipe reduction using the current of the rolling-mill motor. A d-c transformer is used as a pickup of the motor load, and an asynchronous short-circuit electric motor of the pressure device is employed as servo mechanism. An electronic time relay supplies the command for the disjunction of rolls to a given magnitude to adjust the clamping of the pipe to be rolled. As a result of the automated process, the efficiency of the unit was raised by 5 - 6% liberating 12 attendants. There are 4 figures.

ASSOCIATION: SPKB tresta "Uralmontazhavtomatika" (Special Planning and Designing Office at "Uralmontazhavtomatika" Trust)

Card 2/3

VOLKOV, Vasiliy Vladimirovich; GUTHIKOV, Eduard Yul'yevich; KOSTENKO, Mikhail Afanas'yevich; DRALYUK, B.N., ~~retsenzent~~; SYRCHINA, M.M., red. izd-va; MAL'KOVA, N.T., tekhn. red.

[Automatic control of a long-stroke pneumatic drive] Avtomaticheskoe upravlenie dlinnokhodovym pnevmoprivodom. Sverdlovsk, Metallurgizdat, 1962. 69 p. (MIRA 15:7)

(Electronic control)
(Pipe mills--Pneumatic driving)

LOMAKIN, Nikolay Dmitriyevich; LYAMBAKH, Romual'd Vital'yevich;
GUTNIKOV, Eduard Yul'yevich

[Complete automation of blooming mills] Kompleksnaia avtomatizatsiia obzhimnykh stankov. Moskva, Metallurgiya, 1965.
302 p. (MIRA 18:4)

SHINOVSKIY, A.Ye., Inst.; Inst., Inst.; Inst., Inst., Inst.
GUTINOV, I.P., Inst.

Control sets of automatic gunbreakers. Ger. zhur. no. 2154-50
S '65. (Inst. 121)

1. Institut Tyazhpromavtomatika, Khar'kov (for Mitkovskiy,
Rabinovich). 2. Khar'kovskiy nauchno-issledovatel'skiy
elektrotekhnicheskiy institut (for Bericovskiy, Gushkov).

TSYDLER, E.A.; GUTNIKOV, N.YE.

Good book on woolweaving. ("Woolweaving" by A.V. Andreev,
N.IU. Berkovich. Reviewed by E.A. Tseydler, N.E. Gutnikov).
Tekst.prom. 17 no.6:67-68 Je '57. (MLRA 10:7)

1. Glavnyy inzhener fabriki imeni Sverdlova (for Tseydler).
2. Nachal'nik tkatskogo tsekha (for Gutnikov).
(Woolen and worsted manufacture)
(Andreev, A.V.) (Berkovich, N.IU.)

GUTNIKOV, V P

PHASE I BOOK EXPLOITATION

SOV/5463

Sovetskaya antarkticheskaya ekspeditsiya

Vtoraya morskaya ekspeditsiya na d/e "Ob'", 1956-1957 gg. ; obshcheye opisaniye i nauchnyye rezul'taty (Second Marine Expedition on the Diesel-Electric Ship "Ob'", 1956-57; General Description and Scientific Results) Leningrad, Morskoy transport, 1959. 175 p. (Series: Its: [Materialy] no. 5) Errata slip inserted. 1,200 copies printed.

Sponsoring Agency: Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut.

Ed. (Title page): I. V. Maksimov, Doctor of Geographical Sciences, Professor;
Ed. : L. G. Kaplinskaya; Tech. Ed. : O. I. Kotlyakova.

PURPOSE: This book is intended for oceanographers, meteorologists, and hydrochemists.

Card 1/6

Second Marine Expedition (Cont..)

SOV/5463

COVERAGE: The present volume, the fifth in a series of seven, is a collection of articles (except for two) devoted specifically to the oceanographic, meteorological, and hydrochemical findings of the Second Soviet Marine Expedition conducted on the diesel ship "Ob'" (I. A. Man, Captain) during 1956-57. The first two articles outline the Expedition's organization and program, and provide a general account of its activities during the 223-day voyage, which covered more than 40,000 miles of the Atlantic, Antarctic, and Indian Oceans. The expedition was sponsored by the Arctic and Antarctic Scientific Research Institute of the Glavsevmorput' Ministerstva morskogo flota SSSR (Main Administration of the Northern Sea Route of the Ministry of the Merchant Marine of the USSR) as part of the International Geophysical Year program. Its purpose was to investigate 1) atmospheric processes in the Antarctic region and their effect on the earth's general circulation, 2) basic regularities in the distribution of waters in the southern oceanic zone, 3) exchange of the waters of the southern seas with the waters of the world ocean, 4) geological structure of the sea bottom in the Antarctic region, and 5) the plankton, benthos

Card 2/6

Second Marine Expedition (Cont.)

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ichthyofauna, and microorganisms of the Antarctic waters. Observations of the magnetic field of the earth were also made. The expedition, headed by Professor Igor' Vladislavovich Maksimov, Doctor of Geographical Sciences and Professor at the Leningradskoye vyssheye inzhenernoye morskoye uchilishche imeni S. O. Makarova (Leningrad Higher Marine Engineering School imeni S. O. Makarov), consisted of the following 8 scientific task forces: aerometeorological (headed by Leonid Gennadiyevich Sobolev); hydrological (Kirill Vladimirovich Moroshkin); geological (Aleksandr Petrovich Lisitsyn); hydrochemical (Aleksey Nikolayevich Bogoyavlenskiy); hydrobiological (Viktor Aleksandrovich Arsen'yev); geophysical (Nikolay Panteleymonovich Grushinskiy); geographic (Gravvila Dmitriyevich Rikhter); and hydrographic (Yuriy Aleksandrovich Gordeyev). A complete list of the names and affiliations of the 65 scientific and administrative members of the Expedition is contained in the first article. The articles were written by members of the Institut okeanologii Akademii nauk SSSR (Institute of Oceanology, Academy of Sciences USSR), Gosudarstvennyy okeanograficheskiy institut Gidrometsluzhby SSSR (State Oceanographic Institute of the Hydro-

Card 3/6

Second Marine Expedition (Cont.)

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meteorological Service of the USSR), Vsesoyuznyy nauchno-issledovatel'skiy institut rybnogo khozyaystva i okeanografii (All-Union Scientific Research Institute of Fisheries and Oceanography), and the Arctic and Antarctic Scientific Research Institute. There are no references.

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Card 4/6

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Second Marine Expedition (Cont.)

SOV/5463

Kutyurin, V. M. Determining the Content of Chlorophyll in Sea
Water and the Spectral Analysis of Phytoplankton Pigments

173

AVAILABLE: Library of Congress (G860. S58)

Card 6/6

JA/dwm/bc
11-1-61

ACC NR: AR6022459

(N)

SOURCE CODE: UR/0169/66/000/003/B033/B034

AUTHOR: Gutnikov, V. P.

TITLE: Conditions affecting the development of phenomena which sharply reduce visibility on the Northwest Black Sea

SOURCE: Ref. zh. Geofiz, Abs. 3B221

REF SOURCE: Meteorol. klimatol. i gidrol. Mezhved. nauchn. sb., vyp. 1, 1965, 80-92

TOPIC TAGS: weather forecasting, atmospheric visibility

TRANSLATION: The reproducibility of poor visibility (of under 2 km) in the Northwest part of the Black Sea is discussed on the basis of monthly averages for 1958-1962. Such meteorological phenomena as fog, smog, atmospheric precipitation, snowstorm, duststorm, and dusk are considered to be the causes. Reproducibility of fog over the sea is considered for different directions of wind of different velocities. The reproducibility of snow falls, snowstorms and duststorms is considered for different wind directions. An analysis of such data shows that weather conditions which reduce the visibility to a point dangerous to shipping depend mainly on the wind regimen and the heat contents of the nearest atmospheric layer, the sea and the nearby land. Winds blowing in the direction of the shoreline are the most favorable to development of fog. N. Davydov.

SUB CODE: 04

UDC: 551.591

Card 1/1

08974-67

ACC NR: AP6022051

SOURCE CODE: UR/0146/66/009/003/0018/0021

AUTHOR: Gutnikov, V. S.; Rodion, E. I.

/8

ORG: Leningrad Polytechnic Institute ^{*m. m. I. Kalinina*} (Leningradskiy politekhnicheskiy institut)

TITLE: Inductive frequency-type micrometer

ORIGIN: IVUZ. Priborostroyeniye, v. 9, no. 3, 1966, 18-21

KEYWORDS: micrometer, electric measurement, *electric inductance*

ABSTRACT: A laboratory model of a new micrometer is described in which a frequency-determining inductance varies approximately in inverse proportion to an airgap, thus making the frequency a linear function of the distance being measured. Both halves of magnetic core 2 are fastened by holders 1 to stirrup 3 in which the half-cores can move by means of micrometer screw 4. The inductance coil exciting the half-cores forms part of an RLC oscillator whose frequency depends

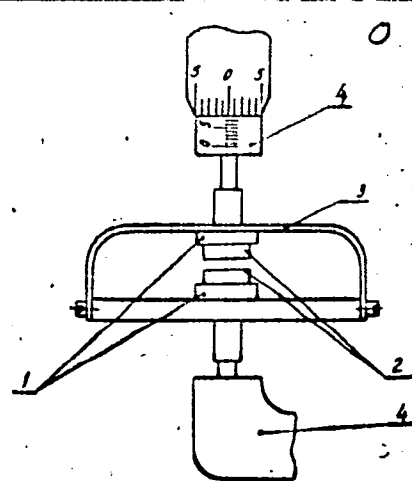
Card 1/2

UDC: 621.083.2

L 08974-67

ACC NR: AP6022051

on the airgap. The linearity of this function is ensured by a thermistor in the oscillator circuit; the nonlinearity-caused error is under 0.5% when the frequency varies by 15%. Further research is held necessary for the purpose of reducing errors and frequency drift. Orig. art. has: 3 figures and 10 formulas.



Frequency-type micrometer

SUB CODE: 13, 09 / SUBM DATE: 13Apr65

Card 2/2 nst

50c

L 41182-65 EWT(d)/EWP(c)/EWP(v)/T/EWP(k)/EWP(l) Pf-4

ACCESSION NR: AP5004677

S/0115/64/000/009/0058/0059

70
18
B

AUTHOR: none

TITLE: Fourth scientific and technical conference on "Cybernetics for the improvement of measurement and inspection methods"

SOURCE: Izmeritel'naya tekhnika, no. 9, 1964, 58-59

TOPIC TAGS: cybernetics, electric measurement, electric quantity instrument, digital computer, electronic equipment, electric engineering conference

ABSTRACT: The conference was held 1-4 July at the All-Union Scientific Research Institute of Metrology by the Section of Electrical Measurements of the Council on the Organization of "Scientific Instrument Making" of the State Committee on Coordination of Scientific Research Work in the USSR together with the All-Union Scientific Research Institute of Electrical Measurement Instruments and the Leningrad Regional Administration of the Scientific and Technical Division of the Instrument Making Industry. More than 400 delegates from 29 cities of the country participated. Fifty-seven reports were heard and discussed. Reports were given by P. V. NOVITSKIY (Leningrad)--"Definition of the Concept of Informational Error in Measurement and its Importance in Practical Use" and "On the Problem of the Average Informational Criterion of Accuracy Throughout the Entire Scale of an Instrument"; Ya. A. Card 1/4

L 4118 65

ACCESSION NR: AP5004677

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KUPERSHIMDT (Moscow)--"On Determination of the Criteria of Accuracy for Measurement Devices"; S. M. MANDEL'SHTAM (Leningrad)--report on a new criterion of accuracy of measurement instruments; P. F. PARSHIN (Leningrad)--report on optimization when using Fourier transforms on electronic digital computers; S. P. DMITRIYEV, G. Ya. DOLGINTSEVA and A. A. IGNATOV (Leningrad)--proposal of a new method for solving problems of optimum filtering for non-stationary random signals and interference; I. B. CHELPAKOV--"Calculation of the Dynamic Characteristics of an Optimum Complex Two-Channel System which Uses Signals from a Position Motor and from a Speed Motor"; R. A. POLJEKTOV (Leningrad)--"Optimum Periodic Correction in the Measurement of Continuous Signals"; S. P. ADAMOVICH (Moscow)--"Analysis and Construction of Devices for Correction of Non-linearity and Scaling for Unitary Codes"; G. V. GONSELOVA (Taganrog)--"A Method for Statistical Optimization in Graduating the Scales of Electrical Measuring Instruments"; M. A. ZEMEL'MAN (Moscow)--"Analog-Digital Voltage Converter with Automatic Error Correction"; B. N. MALINOVSKIY, V. S. KALENCHUK and I. A. YANOVICH (Kiev)--"Automatic Monitoring of the Parameters of the Electrical Signals of Complex Radio and Electronic Equipment"; V. P. PEROV (Moscow)--"Operational Cybernetics as an Independent Scientific Specialization"; Ye. N. GIL'BO (Leningrad)--"On the Problem of Effective Non-linear Scales"; A. I. MARKELOV (Moscow)--"Devices for Preliminary Processing of the Results of Measurements Presented in the Form of

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Graphic Recordings For Subsequent Introduction of the Information into Universal Digital Computers"; O. M. MOGILNYSER and S. S. SOKOLOV (Leningrad)--"On a Method for Reducing Excess Information"; T. V. NIKOLAYEVA (Leningrad)--"A Device for Temporal Discretization of Continuous Signals"; A. A. LYOVIN and M. L. BULIS (Moscow)--"Optimization of the Transmission of Telemetric Information as a Means for Raising the Efficiency and Eliminating Interference"; D. E. GUKOVSKIY (Moscow)--"On a Statistical Approach to the Detection of Events in Automatic Inspection"; M. I. LANIN (Leningrad)--"Method for Calculating the Holding Time of Communications in a Centralized Inspection System or Constant Servicing Time"; O. N. BRONSHITSYN, A. L. RAYKIN and V. V. RYKOV (Moscow)--"On a Single-Line Mass Service System with Losses"; V. M. SHLYANDIN (Penza)--report on circuit designs for direct compensation electrical digital measuring instruments; A. N. KOMOV (Novocherkassk)--report on a new method for compensation of digital bridges; M. N. GLAZOV (Leningrad)--report on the problem of voltage-to-angular rotation conversion; V. S. GUTNIKOY (Leningrad)--"Methods for Construction of Frequency Capacitance Pickups with a Linear Scale"; R. Ya. SYROPYATOVA and R. R. KHARCHENKO (Moscow)--report on the determination of the amplitude-frequency and phase characteristics of PFM and PWM modulators; Ye. I. TSHYAKOV (Novocherkassk)--"The Phototransistor as a Switch for Electrical Measurement Purpose"; N. V. MALYGINA (Leningrad)--a report on ways for making universal equipment for measurement of current, voltage and power; P. P. ORNATSKIY and V. I. ZOZULYA (Kiev)--reports on the construction of static voltmeters, wattmeters and

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L 41182-65

ACCESSION No: AP5004677

15

phase motors; A. V. TRIKHANOV, I. G. SMYSHLYAYEV, M. I. SABLIN, V. M. RAZIN and V. A. GORBUNOV (Tomsk)--report on a device for automatic processing of the measurements of vibration amplitude of pneumatic hammers; L. K. RUKINA and V. G. KNORRING (Leningrad)--report on the development of a digital componentator for measuring pressure, force, etc.; N. B. DADUKINA (Leningrad)--report on a method for constructing frequency pickups for gas analysis; Ye. M. KARPOV, V. A. BRAZHNIKOV and B. Ya. LIKHITSINDER (Kuybyshev)--reports on analysis and recording of boring speeds; Yu. V. PSHEVNICHNIKOV (Kuybyshev)--"A High Speed Voltage-to-Digital Code Converter for ac Pickups"; G. P. VIKHROV and Y. K. ISAYEV (Vilna)--"A Highly Accurate Digital Peak-to-Peak Voltmeter"; and S. M. PERSIN (Leningrad)--"A Low Level Analog-Digital Voltage Converter."

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: EE, EC

NO REF SOV: 000

OTHER: 000

JPRS

ML
Card 4/4

ENT(1)/EWA(h)
ACCESSION NR: AP5021980

UR/0286/65/000/014/0044/0044
621.373.1

AUTHOR: Gutnikov, V. S.

TITLE: A generator for converting capacitance into an electrical oscillation period.
Class 21, No. 172875

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 14, 1965, 44

TOPIC TAGS: electronic equipment, electronic circuit, capacitance bridge

ABSTRACT: This Author's Certificate introduces a generator for converting capacitance into an electrical oscillation period. The device contains an amplifier and a selective RC bridge circuit. To produce a linear relationship between the oscillation period and the value of one of the capacitors in the RC bridge circuit, a diode is connected in this circuit which acts as a second controlled capacitor whose value changes in proportion to variations in the amplitude of the input signal of the generator.

ASSOCIATION: none
SUBMITTED: 06Apr64
NO REF SOV: 000

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ENCL: 01
OTHER: 000

SUB CODE: EC

13
B

25

L 65062-65

ACCESSION NR: AP5021980

ENCLOSURE 01

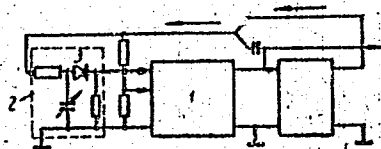


Fig. 1. 1--amplifier; 2--selective RC bridge circuit; 3--diode

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L 20673-66 EWT(1)/EWA(h)

ACC NR: AT6005070

SOURCE CODE: UR/2563/65/000/256/0031/0033

AUTHOR: Gutnikov, V. S.

ORG: Leningrad Polytechnic Institute im. M. I. Kalinin (Leningradskiy politekhicheskiy institut)

TITLE: Resistance-to-frequency converter for digital thermometers

SOURCE: Leningrad. Politekhicheskiy institut. Trudy, no. 256, 1965. Tsifrovyye izmeritel'nyye i upravlyayushchiye ustroystva (Digital measuring and control devices), 31-33

TOPIC TAGS: resistance thermometer, temperature conversion, thermoelectric converter

ABSTRACT: A new linear resistance-to-frequency converter has been designed, constructed, and tested at Leningrad Polytechnic Institute im. M. I. Kalinin (Leningradskiy politekhicheskiy institut). It is designated to operate in conjunction with wire resistance thermometers. The use of frequency modulation permits the transmission of temperature information over long distances, and the temperature may be presented directly in digital form. The article gives a detailed description of the circuitry and supplies the necessary theoretical relationships. The frequency of an RL generator is automatically adjusted by a thermistor. It is heated by the output voltage of the generator and secures a linear temperature-frequency relationship with the 100-ohm thermometric resistance. The generator frequency varies by 0.3% with a change in the temperature from 20 to 50C, by

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ACC NR: AT6005070

0.1% for a 10% change in power supply voltage, and by 0.1% in a continuous 7-hr operation. Orig. art. has: 3 formulas, 2 figures, and 1 table. [08]

SUB CODE: 09/ SUBM DATE: none/ ORIG REF: 003/ ATD PRESS: 4223

Card 2/2 BK

GUTNIKOV, V.S.

Oscillator with automatic readjustment of frequency for linear
conversion of capacitance to oscillatory period. Izv. tekhn. no.2:
46-48 F '65. (MIRA 18:6)

LEBED', D.P., kand.tekhn.nauk; VOROB'YEV, V.M., inzh.; GUTNIKOVA, B.P.,
inzh.; SHATAYLO, D.V., inzh.

Use of rimming steel for steel elements. Prom. stroi. 39 no.11:50-
52 '61. (MIRA 14:12)

1. Dnepropetrovskiy zavod metallokonstruktsiy im. I.V.
Babushkina.
(Steel, Structural)

T-7

USSR/Human and Animal Physiology - Digestion.

Abs Jour : Ref Zhur - Biol., No 7, 1958, 31651

Author : Pegel', V.A., Gutnikova, M.N.

Inst : -

Title : On the Comparative Physiology of the Action of Vegetal Secretins on Hunger Secretions of Pancreatic Juice in Vertebrates.

Orig Pub : Tr. Tomskogo un-ta, 1956, 143, 81-90.

Abstract : In an acute experiment in a dog, the secretin-like substance (I) of the nettle during its introduction into the vein increased the secretion of the juice of the pancreas (P) for 10 minutes by 12 times; I of nitella by 4 times, and I of pond-weed by 8.3 times. In a lake frog Rana ridibunda, I of the nettle and pondweed increased juice emission (for 30 minutes) 1.8 times, I of nitella - 1.5 times. In the stomachless dace fish Leuciscus leuciscus baicalensis I of nettle increased the emission of juice

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USSR/Human and Animal Physiology - Digestion.

i-1

APPROVED FOR RELEASE: 09/17/2001, CIA-RDP86-00513R000617710008-1

Abs Jour : Ref Zhur - Biol., No 7, 1958, 31651

of P 1.6 times, I of pondweed 2.7 times. I of a land plant (nettle) exerts a stronger action on the juice emission of P in a land animal (dog), while I of a water plant (nitella, pondweed) acts stronger on the P of fish; the frog holds an intermediate position in this respect.

Card 2/2

GUTOROVA, O. P., Cand Tech Sci -- "Effect of the snow cover
on the freezing of ^{soils}~~ground~~ in Primorskiy Kray and its im-
portance in ^{construction}~~the building industry~~." Vladivostok, 1961.
(Acad Sci USSR. Sib ^{in Dept}~~Sci~~. Far Eastern Affiliate im V. L.
Komarov) (KL, 8-61, 242)

- 220 -

ALFEROVA, N.S., kand.tekhn.nauk; GUPNIKOVA, R.B., inzh.

Properties of scale-resistant Kh25IU5 steel as applied to the
manufacture of pipes. Obr.met.davl. no.3:132-147 '54.
(MIRA 12:10)

1. Nauchno-issledovatel'skiy trubnyy institut.
(Steel, Stainless) (Pipe, Steel)

TRODOROVICH, I.I.; AVKOSOV, I.; GIVININA, R.I.; VOLYANSKAYA, V.

Possibility of preventing the coprecipitation of cobalt (II) and
iron (III). Zhur. VKhO 10 no.2:238-239 '65.

(MIRA 1816)

I. Institut khimii AN Uzbekskoy SSR.