

BUTLEROVSKIY, M.; CHERNYSHEVA, Ye.I.; KIRIYEVYENKO, S.S.

Improvement in adaline production. Med.prom. no.4:19-20 O-D '55.

(MLRA 9:12)

1. Kiyevskiy khimiko-farmatsevticheskiy zavod imeni Lomonosova  
(UREA, derivatives  
carbromal, prep. improvement)

BUTLEROVSKIY, M. A.

Improved method of production of bilirast. S. S.  
Kirienko and M. A. Butlerovskii (M. V. Lomonosov Chem. Pharm. Plant. Inst. Moscow) 2/

00761

S/079/60/030/04/54/080  
B001/B002

5.3610

AUTHORS:

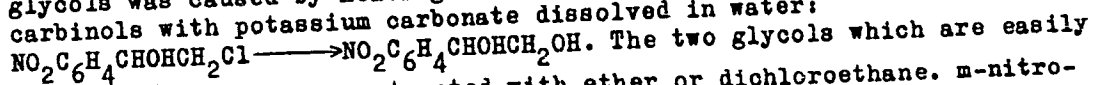
Yagupol'skiy, L. M., Butlerovskiy, M. A., Belinskaya, R. V.,  
Ivanova, V. I.

TITLE:

m- and p-Aminophenylethyleneglycols

PERIODICAL: Zhurnal obshchey khimii, 1960, Vol. 30, No. 4, pp. 1288-1291

TEXT: The authors converted m- and p-nitrophenylchloromethylcarbinols (Ref. 1) which are now easily available, into m- and p-aminophenylethyleneglycols which may serve as initial substances for the synthesis of dyes and highly molecular compounds. The synthesis of m- and p-nitrophenylethyleneglycols was caused by heating of the corresponding nitrophenylchloromethylcarbinols with potassium carbonate dissolved in water:



The two glycols which are easily soluble in water, were extracted with ether or dichloroethane. m-nitrophenylethyleneglycol was also obtained by saponification of diacetyl derivative (II), according to Scheme 2. After heating with 1% sulfuric acid, the oxide of p-nitrostyrene yields p-nitrophenylethyleneglycol. The hydration process of the oxide of m-nitrostyrene is much more complicated,

Card 1/3

m- and p-Aminophenylethyleneglycols

70741  
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since many by-products develop which inhibit the separation of m-nitrophenylethyleneglycol. During the oxidation of p-nitrophenylethyleneglycol with diluted nitric acid, p-nitrobenzoylcarbinol (III) develops which melts at 134-135°:  $p\text{-NO}_2\text{C}_6\text{H}_4\text{CHOHCH}_2\text{OH} \longrightarrow p\text{-NO}_2\text{C}_6\text{H}_4\text{COCH}_2\text{OH}$  (III). The

authors of the present paper, in a similar way as other scientists by other methods (Refs. 2,3), obtained the acetyl derivative of carbinol (III) from p-nitrochloroacetophenone with the melting point also at 121-122°. The compound obtained by Engler and Zielke thus does not correspond to product (III) whose melting point is 132-133°C, but to the acetyl derivative. In the presence of a platinum catalyst, m- and p-nitrophenylethyleneglycol was reduced into amino compounds. High-melting products of unknown structure, developed by the reduction of p-nitrophenylchloromethylcarbinol. Azo dyes were obtained from all amino compounds, by coupling with  $\beta$ -oxynaphthoic acid. There are 3 references, 1 of which is Soviet. X

ASSOCIATION: Institut organicheskoy khimii Akademii nauk Ukrainskoy SSR  
(Institute of Organic Chemistry of the Academy of Sciences,  
Ukrainskaya SSR)

Card 2/3

m- and p-Aminophenylethyleneglycols

SUBMITTED: March 12, 1959

80761

S/079/60/030/04/54/080  
B001/B002

X

Card 3/3

VISHNEVSKAYA, G.I.; KHASKIN, I.G.; BUTLEROVSKIY, M.A.; YAGUPOL'SKIY, L.M.;  
LITVINCHUK, O.D.; YAKOVLEVA, V.Ya.; GORBUNOVA, A.D.; KIRIYENKO, S.S.

Preparation of syntomycin by dichloroacetylation of  
1-p-nitrophenyl-2-aminoethanol. Ukr. khim. zhur. 29 no.9:947-950  
'63. (MIRA 17:4)

1. Institut organicheskoy khimii AN UkrSSR.



BUTLEWSKI, Z

0000

Butlewski, Z A proof that  $e$  is irrational

NUMBER 1988 JANUARY 1988



Butlewski, Z

Butlewski, Z. Sur les intégrales d'un système d'équations

linéaires à coefficients constants.

The author considers the system  $x_j' = \sum_{k=1}^n a_{jk} x_k + f_j(t)$

where  $a_{jk} = a_{kj}$  and  $f_j(t) = \sum_{k=1}^n a_{jk} x_k + f_j(t)$ .

Keywords: Integrals; Linear systems; Constants.

Mathematical Reviews.

Vol. 9 No. 6

*Review*

*Department of Mathematics*  
*University of California, Berkeley*

$B = \frac{1}{2} \rho v^2$   
the equation becomes that of a vibrating string with  $1/4$  the  
density per unit length,  $1/4$  the tension, and  $1/4$  the length.

Journal of Mathematical Reviews,

Vol 12 No 8

8  
Eulowski, Zygmunt. Sur les intégrales d'un système  
d'équations différentielles. Ann. Inst. Math. Univ.  
Warsz. Sér. II 4 (1958) 1-10. (1959)

summary:

Let a continuous function  $f(x)$  be defined on the interval  $[a, b]$ .

BUTLEWSKI, Z.

2000

Butlewski, Z. Sur les intégrales oscillantes d'une équation du second ordre. Bull. Soc. Amis Sci. Poznań. Sér. B. 11, 3-22 (1951). (Russian summary)

The author studies the oscillation and boundedness of solutions of a differential equation of the form

(1)  $(d/dt)[\theta(t, x)dx/dt] + f(t, x) = 0.$

Generalizations of known results for the corresponding linear case are obtained. A typical theorem is this. Let D be the domain  $t \geq t_0 > 0, -\infty < x < \infty$ , and suppose in D that  $\theta > 0$ ,  $\theta, f, \theta_x, \theta_x$  are continuous, and that  $\theta^{-1}(t, x), f(t, x)$  satisfy Lipschitz conditions there, with respect to x. If  $\theta_x \leq 0$  in D,  $\theta_x \geq 0 (t \geq t_0 > 0, x > 0), \theta_x \leq 0 (t \geq t_0 > 0, x < 0), f(t, x) \uparrow$  with x,  $xf(t, x) > 0 (t \geq t_0 > 0, x \neq 0), \int_{t_0}^{\infty} f(t, c)dt = c \cdot \infty (c \neq 0)$ , then the solution  $x(t)$  of (1) defined by the conditions  $x(t_1) \neq 0, \dot{x}(t_1) = 0 (t_1 \geq t_0)$  is oscillatory on the interval  $t \geq t_1$ .

W. Leighton (St. Louis, Mo.).

Mathematical Review.  
June 1954  
Analysis

10-5-54  
ll

BUTLEWSKI, Z. (Poznan)

- A plane motion. Annales Pol math 13 no.2:139-161 '63.

BUTLIASHVILI, N.S.

The significance of anatomical peculiarities in the renal pelvis and calyces in the development of nephrolithiasis. Urologia 23 no.5:18-21 S-0 '58 (MIRA 11:11)

1. Iz kafedry urologii (zav. - prof. A.P. TSulukidze) Tbilisskogo instituta usovershenstvovaniya vrachey.

(KIDNEYS, calculi

mechanisms of develop., role of abnorm. of renal pelvis & calyx (Rus))

(KIDNEY PELVIS, abnormalities

role in develop. of kidney calculi.(Rus))

BUTLASHVILI, N.S.

Surgery in treating renal calculi. Soob.AN Gruz.SSR no.1:113-118  
Jl '60. (MIRA 13:10)

1. Akademiya nauk Gruzinskoy SSR, Institut urologii, Tbilisi.  
Predstavleno akademikom A.P.TSulukidze.  
(CALCULI, URINARY)

BUTLIASHVILI, N. S.

Cand Med Sci - (diss) "Several problems of the pathogenesis and operative treatment of nephrolithiasis. (Clinical and anatomical studies)." Tbilisi, 1961. 26 pp; (Tbilisi State Med Inst); 200 copies; free; (KL, 6-61 sup, 236)



BLOKHIN, A.S.; BORODZYUK, G.G.; LESHCHINSKIY, A.A.; OKSMAN, A.K.;  
KOSMINSKIY, O.F.; MANUSHKIN, A.Ye.; MILEVSKIY, Yu.S.;  
DRIATSKIY, N.M.; VASIL'YEV, V.V.; L'VOVICH, A.A.;  
ORLEYEVSKIY, M.S.; MOROZ, I.A.; OKSIAN, A.K.; KNEL', G.S.;  
SOROKIN, M.F.; BUTLITSKIY, I.M.; VASIL'YEV, L.N. [deceased];  
GINTS, Yu.R.; VASIL'YEV, G.K.; LUGOVSKOY, N.Ye.; KIRILLOV,  
Ye.V.; STRUYKINA, N.S.; LEVINOV, K.G.; BLOKHIN, A.S., otv.  
red.; GURIN, A.V., red.; SLUTSKIN, A.A., tekhn. red.

[K-1920-frequency telephone system] Sistema vysokochastotnogo  
telefonirovaniia K-1920; informatsionnyi sbornik. [By] A.S. Blokhin  
i dr. Moskva, Sviaz'izdat, 1962. 319 p. (MIRA 16:4)  
(Telephone)

MOTYLEV, Yu.L., kand. tekhn. nauk; ZALESSKIY, Ye.P., prof.; KALYUZHNYI, I.S., kand. sel'khoz. nauk; AZIZOV, A.A., mlad. nauchnyy sotr.; POLETAYEV, A.V., kand. khim. nauk; ABRUTSKAYA, Ye.G., mlad. nauchnyy sotr. Prinimali uchastiye: BUTLITSKIY, Yu.V., mlad. nauchnyy sotr.; FEPOSEYEVA, T.I., mlad. nauchnyy sotr.; BIRUL', A.K., prof., doktor tekhn. nauk, retsenzent; ZVERINSKIY, G.I., inzh., retsenzent; KOVALEV, T.G., inzh., retsenzent; BASIN, M.M., inzh., retsenzent; DEBERDEYEV, B.S., red.; DONSKAYA, G.D., tekhn. red.

[Stability of earth roadbed and road mats in regions with artificial irrigation] Ustoichivost' zemlianogo polotna i dorozhnykh odezhd v raionakh iskusstvennogo orosheniia. [By] Iu.L.Motylev i dr. Moskva, Nauchno-tekhn.izd-vo M-va avtorovil'nogo transp.i shos. dorog RSFSR, 1961. 178 p. (MIRA 15:2)

(Uzbekistan--Road construction) (Uzbekistan--Irrigation)

MOTYLEV, Yu.L., kand. tekhn.nauk; BUTLITSKIY, Yu.V., mlad. nauchn. sotr.; STUPAKOVA, L.F., ml. nauchn. sotr.; FEDOSEYEVA, T.I., ml. nauchn. sotr.; SHUL'GINA, V.P., kand. tekhn.nauk; IVANOV, N.N., prof., doktor tekhn. nauk, retsenzent; BEZRUK, V.M., doktor geol.-miner. nauk, retsenzent; KOVRIZHNYKH, L.P., red.; BODANOVA, A.P., tekhn. red.

[Investigating the stability of a saline-soil roadbed] Issledovaniia ustoichivosti zemlianogo polotna iz zasolennykh gruntov. Moskva, Avtotransizdat, 1963. 115 p.

(MIRA 16:8)

(Road construction) (Soil mechanics)

BUTLOV, G.

Festival of Polish aviation. Kryl.rod. 7 no.11:21 N '56.

(Poland--Aeronautics)

(MIRA 10:1)

BUTLOV, M.M.

SUBJECT USSR / PHYSICS CARD 1 / 2 PA - 1510  
AUTHOR ZAVOJSKIJ, E.K., BUTLOV, M.M., PLACHOV, A.G., STOL'KIN, G.E.  
TITLE On the Luminescence Chamber.  
PERIODICAL Atomnaja Energija, 1, fasc. 4, 34-37 (1956)  
Issued: 19.10.1956

The present work contains an accurate description of the main elements of this chamber. Such a main element is the electron-optic transformer which is constructed in accordance with the principle of the cascadelike electron-optic amplification of light. This transformer consists of an input- and some amplification-cascades which are connected by an optical contact (a thin film). On one side of the screen a fluorescent screen and on the other a photocathode is fitted. The focussing of the electronic image is discussed. In the domain between aperture and screen two pairs of deflecting lenses are fitted for high frequency development. The inertialess character of this device is of great advantage; it permits a development in cadres and a continuous high frequency development with a resolving time of  $10^{-8}$  and  $3 \cdot 10^{-12}$  sec respectively. In the case of static operation all cascades are fed by a sectioned high frequency source. For the recording of the traces of the cosmic rays a pulse-like method of feeding the output cascade was, however, selected. In frequent cases the cascade is fed with a pulselike high tension by means of special circuits. "Impulse shutters" are synchronized by means of a photomultiplier, a discriminator and a coincidence scheme (with a resolving power with respect to time of  $4 \cdot 10^{-8}$  sec). The mode of operation of the luminescence chamber de-

Atomnaja Energija, 1, fasc. 4, 34-37 (1956) CARD 2 / 2

PA - 1510

pends largely on the light yield, on the penetrability of the crystal for its own radiation, etc. However, even medium-quality crystals still produce passably good results. The spectrum of the radiation of CsJ(Tl) is nearly in full agreement with the curve of the spectral sensitivity of an antimony-cesium photocathode. The image of the trace consists of individual points which are separated from one another by interspaces. With conditions otherwise being equal the length of these intervals depends on the specific ionization of the particles, and it is just this dependence that can be used for the purpose of identifying the particles from their traces. In the case of strongly ionizing particles with dense traces the optic density along the trace is taken instead of the length of the intervals. The curves for range-energy and range-light yield in CsJ(Tl)-crystals, which are computed for this purpose, are given. In conclusion several photographs of proton traces in a CdJ(Tl) crystal are attached and discussed; they have been obtained by means of a neutron beam of the synchrocyclotron of the Institute for Nuclear Physics of the Academy of Science of the USSR.

INSTITUTION:

BUTMAN, D.S.

Improve the technology and give the country highly resistant  
refractories. Ogneupery 24 no.2:55-57 '59. (MIRA 12:3)

1.Podol'skiy zavod ognepornykh izdeliy.  
(Refractory materials)

BUTMAN, L.A.

USSR/Cultivated Plants - Grains:

M.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 15576

Author : V. Il'ina, L. Butman

Inst : The All-Union Scientific Research Institute for Grain and Its Reprocessed Products.

Title : The Roentgenographic Method of Determining Rice Fracture (Rentgenograficheskiy metod opredeleniya treshchinovosti risa).

Orig Pub : Mukomol.-elevat. prom-st', 1956, No 6, 21-22.

Abstract : This study was made at the All-Union Scientific Research Institute for Grain and Its Processed Products. The roentgenographic method was used to determine the percentage of fractured rice grains according to the variety: Ueros 7, Uzbekskiy 2, American Shali and the Uzros 1377. The percentage of crushed kernels in the polished grains

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"APPROVED FOR RELEASE: 06/09/2000

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APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307730007-4"

KOZ'MINA, N.P., prof., doktor biol. nauk; IL'INA, V.N., kand. biol. nauk;  
RIFMAN, L.A., nauchnyy sotrudnik; HANMOVA, A.T., nauchnyy  
sotrudnik

Isolating the proteins of grain and legume seeds through  
fractionation of flour by specific weight. [Trudy] VNIIZ no.35:  
104-111 '58. (MIRA 11:10)

1. Vsesoyuznyy nauchno-issledovatel'skoy institut zerna i pro-  
duktov yego pererabotki.  
(Proteins) (Flour--Analysis)

ACC NR: AP6032981

SOURCE CODE: UR/0078/66/011/010/2400/2401

AUTHOR: Butman, L. A.; Aslanov, L. A.; Poray-Koshits, M. A.

ORG: none

TITLE: X-ray structural analysis of lanthanum, europium, and gadolinium benzoylacetonates

SOURCE: Zhurnal neorganicheskoy khimii, v. 11, no. 10, 1966, 2400-2401

TOPIC TAGS: organometallic compound, ~~organoeuropium~~ europium compound, ~~organolanthanum~~ lanthanum compound, ~~organogadolinium~~ gadolinium compound, x ray diffraction, ~~analysis~~ *analysis*, crystal structure analysis, *crystal lattice parameter*

ABSTRACT: Space groups and lattice parameters of four rare-earth complexes with organic ligands have been determined from x-ray diffraction data. The formula of the complexes studied was  $HA^+[LnTBA]^-$ , where  $HA^+$  is piperidinium (P) or diethylammonium (DEA) radicals, Ln - Eu, La, or Gd, and TBA - four benzoylactonate radicals. The DEA-Eu-TBA complex was found to be isostructural with the DEA-La-TBA complex, while the P-Eu-TBA complex was not isostructural with the P-Gd-TBA complex. This was also confirmed by the difference in cleavage of the crystals of P-Eu-TBA and P-Gd-TBA complexes: the P-Gd-TBA complex crystals do not display any noticeable cleavage. Both P-Eu-TBA and P-Gd-TBA were more resistant to irradiation by x-rays than the DEA com-

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UDC: 547.572.3'654+547.572.3'661+547.572.3'662]:539.26

ACC NR: AP6032981

plexes. As the mechanically strongest and the most radiation-resistant of the four complexes, the P-Gd-TBA complex was singled out for further study of the structure of the rare-earth metal tetrabenzoylacetates. Orig. art. has: 1 table.

SUB CODE: 07, 20/ SUBM DATE: 11Jan66/ OTH REF: 001

Card 2/2

BUTMAN, L.A.; KHODASHOVA, T.S.; MINACHEVA, L.Kh.; TAYUKIN, V.I.

Making the structure of crystals of potassium  
nitrosyhydroxotetranitroruthenate more precise. Zhur.strukt.  
khim. 5 no. 2:250-256 Mr-Apr '64. (MIRA 17:6)

1. Institut obshchey i neorganicheskoy khimii imeni N.S.  
Kurnakova.

BUTMAN, M.A.

Order of exponential growth of solutions of certain systems of  
linear partial differential equations. Dokl. AN SSSR 124 no.4:  
764-767 F '59. (MIRA 12:1)

1, Odesskiy gidrometeorologicheskiy institut. Predstavleno  
akademikom I.G. Petrovskim.  
(Differential equations, Partial)

RAVDONIK, Vladimir Stanislavovich, kand. tekhn. nauk; BAKHMUTSKIY, Yevgeniy Yegorovich, inzh.; BUTMAN, S.G., red.; FOMICHEV, A.G., red. izd-va; BELOGUROVA, I.A., tekhn. red.

[Modern low-voltage electric fixtures; lecture transcript) Sovremennaya nizkovol'tnaya elektroustanovochnaia apparatura; stenogramma lektsii. Leningrad, 1961. 38 p. (MIRA 14:7)  
(Electric wiring, Interior)

OGAREV, Mikhail Petrovich; BUTMI, S.Ye., red.; ALMAZOV, V.Z., red.  
izd-va; SALAZKOV, N.P., tekhn. red.

[Engineering geodesy in municipal communal services] In-  
zhenernaia geodeziia v gorodskom kommunal'nom khoziaistve.  
Moskva, Izd-vo M-va kommun.khoz. RSFSR, 1963. 199 p.

(MIRA 16:7)

(Surveying)



MURGEANU, G., acad.; STEFANESCU, M.; AVRAM, E.; MATEI, V.; ZAMFIRESCU, M.;  
HUTINAREANU, C.

Nature of the appearances of crystalline schists in the Zamura-  
Prislop region. Studii cerc geol geof geogr 9 no.2:513-518 '64.

1. Geological Committee and the Enterprise of Prospecting and  
Laboratories. Submitted April 28, 1964.

ZAGREANU, I., dr.; UZA, G., dr.; BUTNARIU, dr.

Observations on the electrophonocardiographical aspects of acute renal insufficiency. Med. intern. 13 no.11:1499-1505 N '61.

1. Lucrare efectuata in Clinica I medicala, Cluj (director acad. A. Moga)

(ACUTE RENAL FAILURE complications)  
(HEART DISEASES etiology)  
(ELECTROCARDIOGRAPHY)  
(PHONOCARDIOGRAPHY)

MOGA,A., Academician; HARAGUS,St.; ORHA,I.; SUCIU,I.; BUTNARIU,M.;  
CAPIILNA,S.; OPINGARU,A.

Value of the biochemical syndrome in diagnosis and interpretation  
of atheromatosis. Probl. card.,Bucur. 4:21-34 '59.

(ARTERIOSCLEROSIS, diagnosis)

(CHOLESTEROL, blood)

(LIPOPROTEINS, blood)

(LIPIDS, blood)

MOGA,A.,Acad.; HARAGUS,St.; BUTNARIU,N.

On initial phases of atherosclerosis. Rumanian M. Rev. 4 no.1:  
24-27 Ja-Mr '60.

1. 1st Medical Clinic, Cluj. Director: Acad. Aurel Moga.  
(ARTERIOSCLEROSIS diag.)

MOGA, Aurel, Acad.; HARAGUS, St., dr.; BUTNARIU, M., dr.

On the initial periods of atherosclerosis. Med. intern., Bucur.  
Itr no.5:665-671 '60.

1. Clinica I medicala Cluj, director: acad. Aurel Moga.  
(ARTERIOSCLEROSIS, diagnosis)

COFARU, D., dr.; ORHA, I., dr.; CORNIESANU, T., prof.cult.fizic.med.;  
POP, V., dr.; BUTNARIU, M., dr.; OBRASCU, C., dr.

Trial therapy of atherosclerosis with medical physical culture.  
Med. inter., Bucur 13 no.3:423-428 Mr '61.

1. Lucrare efectuata in Clinica I medicala, Cluj, director acad.  
A Moga.

(CORONARY DISEASE therapy)

(PHYSICAL THERAPY)

BUTNARU, Al., ing.

Some problems connected with the designing and production of the  
concert xylophone in Rumania. Ind lemnului 15 no.2:53-60 p '64.

BUTNARU, C.; PONORAN, M.

Prevention of the apparition of flakes in steel. p. 22.

(METALURGIA SI CONSTRUCTIA DE MASINI. Vol. 9, no. 3, Mar. 1957, Rumania)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957  
Uncl.



R/009/61/000/001/001/005  
D224/D302

AUTHORS: Butnaru, Constantin and Bălătescu, Tiberiu, Engineers

TITLE: The behavior of silchrome steels in cast pieces

PERIODICAL: Metalurgia și construcția de mașini, no. 1, 1961, 10-13

TEXT: The article describes some heat treatment experiments conducted at the Combinatul metalurgic (Metallurgical Combine) in Reșița to improve the mechanical characteristics of cast silchrome steel, used in manufacturing the supports of hot stove grates of a 700 cu-m blast furnace. The chemical composition of the silchrome steel used was: 0.40 - 0.50% C, 2.5 - 3.5% Si, maximum 0.70% Mn, maximum 0.035% P, maximum 0.035% S, and 8 - 10% Cr. The cast supports were originally heat-treated as follows: The supports were heated and maintained for 14 hours at a temperature of 880°C, then cooled down to 700°C, and finally cooled in air. The mechanical

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D224/D302

The behavior of silchrome...

characteristics obtained were far below the required ones, established for forged silchrome steels. In order to improve these characteristics, various laboratory investigations were conducted on samples subjected to seven various types of heat treatment. On the basis of these experiments, it could be determined that a silicon content of more than 2.5% in the cast pieces reduced the elongation capacity of the material. The microstructure of the cast silchrome steel, whose elongation did not correspond to the requirements, contained large chromium carbides, with a tendency to set in the lattice, whereas the forged steel showed a homogeneous structure with fine and uniform carbides. In the case of cast steel having a silicon content below 2.5%, the applied heat treatment led to a structure similar to that of the forged steel. The charges with a high silicon content presented after the thermal treatment a free structural ferrite. In order to check the resistance to shocks, resilience tests with Messnager-type samples were carried out at a temperature of 300°C. The resilience values obtained at this temperature were satisfactory. Based on these experiments,

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The behavior of silchrome...

R/009/61/000/001/001/005  
D224/D302

the authors recommended changing the chemical composition of the steel as follows: 0.35 - 0.40% C, 2 - 2.5% Si, 0.4 - 0.5% Mn, maximum 0.035% P, maximum 0.035% S, and 8 - 9% Cr. The supports cast from this steel were then subjected to the following heat treatment: normalizing at 950 - 980°C, keeping the pieces for 10 hours in the furnace, cooling in air, tempering at 750 - 760°C, keeping the pieces for 16 hours in the furnace, cooling in air. The recorded mechanical characteristics after the traction tests corresponded to the requirements and are compiled in tabulated form. Conclusions: The forged silchrome steel, due to its high mechanical characteristics, can be used for producing supports. The cast silchrome steel with an Si content if lower than 2.5% has, after the corresponding heat treatment, mechanical characteristics similar to those of the forged steel. Charges with a Si content of higher than 2.5% do not attain the required elongation. If the cast silchrome pieces cannot be hardened, it is recommended subjecting them to a heat treatment consisting of normalizing at 950 - 980°C, followed by tempering at 750°C. It is also necessary to undertake

Card 3/4

The behavior of silchrome...

R/009/61/000/001/001/005  
D224/D302

fast cooling in air after the normalizing and tempering operations.  
There are 5 tables, 4 figures and 2 Soviet-bloc references.



Card 4/4

BIRZU, I., conf.; BUTNARU, Cornel, dr.; NEGULA, Virgil, dr.

Radiological considerations on terminal choledochitis. Med. inter.,  
Bucur 13 no.5:777-785 My '61.

(BILE DUCTS diseases)

RUMANIA / Pharmacology, Toxicology. Chemotherapeutic Agents, Antituberculous Agents. V

Abs Jour: Ref Zhur-Biol., No 18, 1958, 85256.

Author : Brill, A., Baicoianu, S., Bungetianu, G., Butnaru, D., Buzescu, M., Herscovici, A.

Inst : ~~NOT~~ given.

Title : The Treatment of Pulmonary Tuberculosis with Cycloserine.

Orig Pub: Ftiziologia, 1958, Vol 7, No 1, 25-30.

Abstract: 25 patients with bilateral chronic ulcero-caseo-cavernous tuberculosis of the lungs, with complete or partial resistance to tuberculostatic preparations, were treated for 3 months with cycloserine. As the result of the treatment, there was clinical improvement (weight, fever, cough, sputum) in all patients. Slight changes in the X-ray picture

Card 1/2

OPRISAN, N.; BUTNARU, G.

Effect of organic and mineral fertilizer application to the Harrach  
winter wheat cultivated on a plumbic swampy soil in the Banat region.  
Studii agr Timisoara 10 no.1:59-65 Ja-Je '63.

SYRBU, P. [Sirbu, P.], BUTNARU, I. [Bitnaru, I.]; PEUNESCU, V. [Peinescu, V.],  
student

Interadnexal hysterectomy with preservation of the endometrial  
flap in the treatment of multiple fibroma of the uterus. Akush.  
i gin. 37 no.1:76-79 '61. (MIRA 14:6)

1. Iz rodil'nogo doma Zyuleshty (Bukharest).  
(UTERUS--TUMORS) (HYSTERECTOMY)



MIHALCA, E., conf.; MARGINEANU, O.; BUTNARU, J.; GROSU ROMAN, M.

Some problems of clinical treatment and pathology of children's staphylococcal infections. Microbiologia (Bucur) 6 no.1:26 Ja-F '61.

Some problems in the pathogeny and clinical treatment of children's staphylococcal infections. Ibid.:29

1. Clinica a II-a de pediatrie, Cluj.

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GROSU, Maria, dr.; BUTNARU, J., dr.; MACAROVICI, Rodica, chimist.

Data on the metabolism of lipids in dystrophic infants. *Pediatria*  
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1. Lucrare efectuata in Clinica a II-a de pediatrie, Cluj (sef  
de catedra: prof. Eugenia Mihalca).

DANICICO, I., prof.; BUTNARU, M.

Spontaneous internal biliary fistula. Rumanian M Rev. no.2:66-70  
Ap-Je '60.

(BILIARY FISTULA)

CIOBANU, St.; BUTNARU, M.; STREIANU, C.

Contributions to the technique of intrahepatic biliary digestive  
anastomosis (personal technique). Rumanian M Rev. no.4:64-68 C-D '60.  
(BILIARY TRACT surgery) (GASTROINTESTINAL SYSTEM surgery)

UZA, G., dr.; BUTNARU, M., dr.; MANASIA, M., dr.; ZEHAN, M., chim.

Considerations on the use of the artificial kidney (based on 100 cases of hemodialysis). Med. intern. 14 no.9:1131-1140 S '62.

1. Lucrare efectuata in Clinica I medicala, Cluj (director: acad. A.Moga).  
(KIDNEY, ARTIFICIAL) (ACUTE RENAL FAILURE) (NEPHRITIS)  
(TUBERCULOSIS, RENAL) (BARBITURATE TOXICOLOGY) (PREGNANCY COMPLICATIONS)

UZA, G., dr.; BUTNARU, M., dr.; PAPILIAN, V., dr.

Acute hyperazotemic nephritis. Med. intern. 15 no.7:871-874  
Jl '63.

1. Lucrare efectuata in Clinica medicala nr. 1 din Cluj  
(director: acad. A. Moga).  
(NEPHRITIS) (NITROGEN)  
(BLOOD CHEMICAL ANALYSIS)  
(ACUTE RENAL FAILURE)

BUTNARU, St., ing.

Equipment for application of small plates on the web of frame saws  
by mold riveting. Ind lemmului 15 no.6/7:236-237 Je-til '64.

2011-01, 11.

For manufacturing technology of surface electronics. In: Journal  
15 no.9:363-365 5 '64.



BUTNARU, V.

✓ The deterioration of the black earth of Miroslav-Iasi.  
Vasile Butnaru. Acad. rep. populare Române (Iasi), *Studii  
cerceșuri științ.* 3, 240-53(1962).—An analysis of the black  
earth of the region surrounding Iasi shows that it is moder-  
ately deteriorated. Emanuel Merdinger

Chem 1

EUTNARU, V.

Pedological studies in the Kraszna River basin, Moldavian Central Plateau. I.  
Natural conditions of the genesis and distributions of soils. p. 165.

ANALELE STIINTIFICE. SECTIUNEA II: STIINTE NATURALE. Iasi. Rumania.  
Vol. 5, no. 1, 1959.

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January 1960.

Uncl.

CANTAR, F.; POPESCU, Gh.; BUTNARU, V.

Corn culture with beans and soybeans planted between the rows.  
Studii biol agr Iasi 13 no.2:325-332 '62.

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Influence of mineral fertilizers on the production of  
sunflowers and on the cereals raised after them. Studii  
biol agr Iasi 14 no.1:151-160 '63.

BUTNARU, Vasile

Observations on the fossil soils at Aroneanu-Iasi. Anal St  
Jassy II 10:85-92 '64.

1. Submitted October 24-26, 1959.

BUTNARY, C.

RUMANIA/Morphology of Man and Animals - Pathologic Anatomy.

S-6

Abs Jour : Ref Zhur - Biol., No 6, 1958, 26532

Author : Lobel, S., Iosipescu, A., Butnary, C.

Inst : -

Title : Dicephalic Monster.

Orig Pub : Obstetr. si ginecol., 1956, 4, No 2, 160-162.

Abstract : No abstract.

Card 1/1

USSR / *BIOLOGY* General Biology. Cytology

B-2

Abs Jour: Ref Zhur - Biol., No 6, 1958, 23702

Author : Utkin, I. A., Kosichenko, L. P., Butnev, Yu. P.

Inst : Not given

Title : Cell Multiplication and Metabolic Processes in the Organism. Communication I. Mitotic Activity and Blood Sugar Content.

Orig Pub: Byul. eksperim. biol. i meditsiny, 1956, 42, No 10, 60-64

Abstract: The relation between mitotic activity (MA) of corneal epithelium in mice and rats and sugar content of the blood was studied. Blood determination was made by the Hagedorn-Jensen method. The preparations and count of the number of mitoses were made by the usual methods. In the experiments procedures were employed of varying the nature of the group and

Card 1/2

USSR / General Biology. Cytology

B-2

Abs. Jour: Ref Zhur - Biol., No 6, 1958, 23702

Abstract: transferring the animals to a different cage, which led to a decrease of MA, as was formerly shown by the authors. It was established that the blood sugar content in these cases is increased. However, the study of results in individual experiments showed that a parallelism exists between the MA level and the quantity of sugar in the blood. Under the same experimental conditions rats showed an increase of mitoses and sugar content in the blood. In the authors' opinion, the dual relation of MA to blood carbohydrates is related to the participation of the latter in preparing cells for division as well as in the process of division itself.

Card 2/2



USSR/Human and Animal Physiology. Nervous System. Higher  
Nervous Activity. Behavior.

T-10

Abs Jour: Ref Zhur-Biol., No 12, 1958, 56055.

Author : Butnev, Yu. P.

\*Inst :

Title : The Dynamics of Biological Norms in Monkeys.

Orig Pub: Byul. experim. biol. i meditsiny, 1957, 44, No 9,  
27-30.

Abstract: In 10 monkeys (hamadryad baboons, rhesus monkeys)  
subjected to repeated examinations (in the morning  
before feeding, at constant test conditions), a  
decrease of the blood sugar content was detected,  
as well as a marked tendency to a decrease of  
pulse pressure (in 9 of the cases a decrease of the  
maximal pressure, an increase of the minimal pres-

Card : 1/2

\* Iz *Sovetskoy Mediko-Biologicheskoy Statistiki* ANU SSSR,

USSR/Human and Animal Physiology. Nervous System. Higher Nervous Activity. Behavior.

T-10

Abs Jour: Ref Zhur-Biol., No 12, 1958, 56055.

sure, or a change of both indicators were found), and a decrease of the pulse rate (in 7 cases). No changes were found in the respiration rate and in body temperature. The physiological and biochemical indicators, obtained by the first series of examinations, reflect the fact that the syndrome of external stimuli which acts upon orientation and defensive reflexes, influences the animals to a great extent. The changes of dynamic indicators may be explained by fading of emotional displacements which are produced by the environmental factors within the initial test series.

Card : 2/2

172

SOLOPAYEV, B.P.; BUTNEV, Yu.P.; KUZNETSOVA, G.G.

Preparative regeneration of the liver in experimentally induced cirrhosis. Biul. eksp. biol. i med. 51 no.1:74-80 Ja '61.

(MIRA 14:5)

1. Iz laboratorii biologii i biokhimii Instituta eksperimental'noy patologii i terapii (dir. - kandidat meditsinskikh nauk B.A.Lapin) AMN SSSR, Sukhumi. Predstavlena deystvitel'nym chlenom AMN SSSR N.N.Zhukovym-Verezhnikovym.

(LIVER--CIRRHOSIS)

(REGENERATION (BIOLOGY))

BUTNEV, Yu.P.

Effect of hormonal factors on the blood sugar level in lower  
monkeys. Biul. oksp. biol. i med. 3[1.0.53] no.3:46-50 Mr '62.

(MIRA 15:4)

1. Iz laboratorii biokhimii (zav. - prof. A.V.Trufanov) Instituta  
eksperimental'noy patologii i terapii (dir. - doktor med.nauk  
B.A.Lapin) AMN SSSR Sukhumi. Predstavlena deystvitel'nym chlenom  
AMN SSSR A.V.Lebedinskim.

(BLOOD SUGAR) (ADRENALINE) (INSULIN)

BUTNEV, Yu.P.

Daily and seasonal oscillations in the biochemical blood indices in the lower monkeys. Biul. eksp. biol. i med. 53 no.1:51-55 Ja '62. (MIRA 15:3)

1. Iz laboratorii biokhimii (zav. -- prof. A.V. Trufanov) Instituta eksperimental'noy patologii i terapii (dir. - doktor meditsinskikh nauk B.A. Lupin) AMN SSSR, Sukhumi. Predstavlena deystvitel'nym chlenom AMN SSSR V.V. Parinyam.  
(PERIODICITY)  
(BLOOD)

BUTNICKI, S.

Distr: 4E2c/4E2b(w)

5565

020.12:620.179.3

• Butnicki S. Steel Grade for Welded Ship Hulls.

„Zagadnienie jakości stali na spawane kadłuby okrętowe”. Warszawa, 1956, PWT, 16°, 176 pp., 151 figs., 37 tabs.

The author discusses kinds and properties of steel used for welded ship hulls, the quality and testing of ship plates, and welded joinings.

Having analysed the causes of cracking in welded hulls, the author details what constitutes a well welded ship steel.

EW  
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BUTNICKI, S.

Weldable steel for ship hulls made for the Polish shipbuilding industry.

P. 166 (Przeglad Spawalnictwa, Vol. 8, no.7, July 1956, Warszawa, Poland)

Monthly Index of East European Accessions (EEAI) LC. Vol.7, no. 2,  
February 1958

BUTNICKI, S.

Usefulness of low-carbon steel for welded constructions.

P. 188 (PIZEGLAD SPAWALNICTWA) (Warsaw, Poland) Vol. 9, no.7, July 1957

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5. 1958



BUTNICKI, S.

A few remarks on the weldability of steel. p. 100. (Hutnik, Vol. 24, No. 3, Mar 1957, Katowice, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol.6, No. 8, Aug 1957. Uncl.

BUTNICKI, S.

Experimental pickling process for sheet-metal plates in the Danzig Shipyard; in connection with the cinder-removing problem in the ship industry. p. 71.

BUDOWNICTWO OKRETOWE. (Stowarzyszenie Inżynierów i Techników Mechaników Polskich, Sekcja Okretowców) Warszawa, Poland.  
Vol. 4, no. 3, Mar. 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, no. 7, July 1959.

Uncl.

BUTNICKI, S.

Problems faced by the Polish shipping industry in the field of welded sheet steel for hulls. p.72

PRZEGLAD SPAWALNICTWA. (Stowarzyszenie Inzynierow i Technikow Mechanikow Polskich i Instytut Swawalnictwa) Warszawa, Poland. Vol.11, no.3, Mar. 1959

Monthly List of East European Accessions Index, (EEAI) LC, Vol.8, no.6, June 1959  
Uncl.

BURWICKI, S.

Analysis of requirements for hull castings; a lecture delivered at the All-Polish Welding Conference in Sopot, May 1959. p. 90.

PRZEGLAD SPAWALNICTWA. (Stowarzyszenie Inzynierow i Technikow Mechanikow Polskich i Instytut Spawalnictwa) Warszawa, Poland. Vol. 11, no. 4, Apr. 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 3, no. 3, Aug. 1959.

Uncl.

BUTNICKI, Stanislaw, dr.inz.

Possibility of determining the safe operational temperature of a ship with an all welded hull, using the impact test. Bud okretowe Warszawa 7 no.5:154-160 My '62

1. Centralne Laboratorium Stoczni Gdanskiej, Gdansk.

BUTNICKI, Stansilaw, dr.inz.

On the possibilities of determining a safe temperature for the exploitation of a ship with a welded hull by means of the impact resistance of the steel. Bud okretowe Warszawa 7 no.6:182-189 Je '62.

1. Centralne Laboratorium Stoczni Gdanskiej, Gdansk.

BUTNICKI, Stanislaw, dr. inz.

On the possibilities of determining safe operational temperatures  
for ships with all welded hulls, by applying the impact test.  
Bud okretowe Warszawa 7 no.7:221-227 J1 '62.

1. Centralne Laboratorium Stoczni Gdanskiej, Gdansk.

BUTNICKI, Stanislaw, dr inż.

Impact strength as a testing method of steels for welded constructions. Hutnik P 29 no.2:48-52 F '62.

1. Centralne Laboratorium, Stocznia Gdanska, Gdansk.



BUTNICKI, Stanislaw, dr inz.

~~Range~~ of activities of the Combined Offices of Shipbuilding  
Material Experts of the Research Center of the Central Ship  
Designing Office No.1. Bud okrętowe Warszawa 8 no.12:420-421  
D'63.

1. Centralne Biuro Konstrukcji Okrętowych Nr.1., Gdansk.

SUENAGA, Junjiro, et al.

Brittle Fracture and Fatigue Strength of Steel in Ship Hulls. *Progr*  
*Sci Engng* 1964, 11/12:251-259. R-1. 10p.

1. Research Center of Shipbuilding Industry at the General Ship  
Design Office No.1, Osaka.

BUTNIK, A.A.

Morphologic and anatomic structure of seeds of *Kochia prostrata*  
(L.) Schrad. *Uzb.biol.zhur.* 6 no.6:49-54 '62. (MIRA 16:5)

1. Institut botaniki AN UzSSR.  
(YANGIKURGAN DISTRICT--KOCHIA) (SEEDS--ANATOMY)

38568

S/072/62/000/007/001/001  
B117/B138

15.2680

AUTHORS: Freyman, Ye. B., Butnik, S. M.  
TITLE: Adhesion of glass to iron - carbon alloys  
PERIODICAL: Steklo i keramika, no. 7, 1962, 13-16

TEXT: An attempt was made to raise the adhesion temperature of iron - carbon alloys above that of common gray cast iron by changing their composition and structure, with the aim of producing material for glass pressing dies. The glass-to-metal adhesion temperature was determined by two methods suggested by V. T. Marinina and O. K. Botvinkin (Primeneniye grafitno-kolloidnykh smazok v stekol'noy promyshlennosti (Use of graphite-colloidal lubricants in glass industry), Gizlegprom, M. - L., 1946):

- (1) The stationary drop method where a drop of glass is placed on the metal and held for 30 minutes in a furnace at a certain temperature. The experiments are repeated until three reproducible results are obtained.
- (2) Falling drop method, in which the glass drop falls on to the metal plate which is inclined at an angle of 40° this was not suitable for determination of the true adhesion temperature, but was used to compare the adhesion

Card 1/2

Adhesion of glass to iron - ...

S/072/ 62/000/007/001/001  
B117/B138

temperature of different heat resistant alloys at constant glass temperature ( $1030^{\circ}\text{C}$ ), and to determine the dependence of the mean adhesion temperature of the metal on the temperature of the glass mass. 40 different iron - carbon alloys (alloyed with Si, Cr, Al, Mo, Ni, etc) were studied. The adhesion temperature of glass of the same composition was found to be practically independent of the composition and structure of the metal base. The deciding factor is the physical and chemical properties of the glass. According to M. P. Alekseyenko (M. P. Aleksyenko and K. S. Yevstrop'yev. "Optiko-mekhanicheskaya promyshlennost'", no. 5, 1959) it is the viscosity of the glass which determines the onset of adhesion, as on this depends the close contact of the surfaces, which is favorable to the chemical reaction. A pressure of  $1.5 \text{ kg/cm}^2$  was sufficient to lower the adhesion temperature to the softening point of glass. Further increase has no further affect. A rise in the temperature of the glass mass reduces the average temperature of the metal plate at which adhesion takes place. The adhesion temperature was not greatly increased above that of common gray cast iron. There are 2 figures and 2 tables.

Card 2/2

BUTNIK-SIVERSKIY, B. S.

"Traditsii i novatorstvo v ukrainskom sovetskom narodnom iskusstve."

report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences,  
Moscow, 3-10 Aug 64.

BUTNIK-SIVERSKAYA, Ye.V.

Clinical and anatomical parallels in myocardial infarction.  
Vop.pat.krovi i krovoobr. no.6&142-150 '61. (MIRA 16:3)  
(HEART--INFARCTION)

BUTNIKOV, M. [Butnykov, M.], inzh.(Kherson)

The making of butter. Znan.ta pratsia no.1:10-11 Ja '59.  
(MIRA 12:10)

(Cream separators)



BUTNIKOV, N., inzhener.

Cattle truck. Mias.ind.SSSR 28 no.1:41-42 '57. (MLRA 10:3)

1.Ministerstvo promyshlennosti myasnykh i molochnykh produktov  
Ukrainskoy SSR.

(Cattle--Transportation) (Motor trucks)

BUTNIKOV, N.

Large sum have been allotted for construction. Mias. ind. SSSR  
29 no.2:30-31 '58. (MIRA 11:5)

1. Khersonskiy sovnarkhoz.  
(Kherson Economic Region--Packing houses)

BUTNIKOV, N. D.

5618

Luchshiy Maslozavod Ukrainy, (Saknovshchanskiy Maslozavod). Kiyev, Gostekhizdat  
USSR, 1954. 24s 20sm. (Obmen peredovym opytom). 1.000 Ekz 35K Sost.  
Ukazan na oborote tit. L. (55-1245) P 664.972.3st.

SO: Knizhnaya Letopis', Vol. 1, 1955

GEVORGYAN, B.; KRASNOKUTSKIY, I.; BUTNIKOV, N.; RAKHMATOV, M.

The seven-year plan in action. Mias. ind. SSSR 33 no.4:8-15 '62.  
(MIRA 17:2)

1. Moskovskiy ordena Lenina myasokombinat (for Gevorgyan).
2. Kalininskiy sovet narodnogo khozyaystva (for Krasnokutskiy).
3. Upravleniye myasnoy i molochnoy promyshlennosti  
Khersonskogo soveta narodnogo khozyaystva (for Butnikov).
4. Bukharskaya khlado-boynya (for Rakhmatov).

BUTNIKOV, N.

What do the meat combines in Kherson Province need. Mias.  
ind. SSSR 32 no.1:23-25 '61. (MIRA 14:7)

1. Upravleniye myasnoy i molochnoy promyshlennosti Khersonskogo  
sovnrarkhoza.  
(Kherson Province--Meat industry)

BUTNIKOV, Nikolay Danilovich; PRITYKO, V.P., retsenzent;  
SHEVCHENKO, N.S., retsenzent; NOZDRINA, V.A., red.

[Safety engineering in the dairy industry] Tekhnika bez-  
opasnosti v molochnoi promyshlennosti. Moskva, Pishche-  
vaia promyshlennost', 1965. 200 p. (MIRA 18:12)

BUTNING, P. YE.

Nematoda

Effect of formalin on the embryonic development of parasitic nematodes. Trudy Len. ob-va est. 71, No. 4, 1952.

Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

BUTUYEV, Yu.

1. State Institute of Applied Chemistry, Academy of Sciences of the USSR, Leningrad. (The Institute is a branch of the Academy of Sciences of the USSR, Leningrad, and is engaged in research and development in the field of applied chemistry.)

2. Analyzed documents in the file of the Institute of Applied Chemistry, Academy of Sciences of the USSR, Leningrad, contain information on the activities of the Institute of Applied Chemistry, Academy of Sciences of the USSR, Leningrad, and on the activities of the Institute of Applied Chemistry, Academy of Sciences of the USSR, Leningrad, and on the activities of the Institute of Applied Chemistry, Academy of Sciences of the USSR, Leningrad.

3. Research of the Institute of Applied Chemistry, Academy of Sciences of the USSR, Leningrad, is directed towards the development of new methods and techniques for the analysis of chemical compounds.

4. Research of the Institute of Applied Chemistry, Academy of Sciences of the USSR, Leningrad, is directed towards the development of new methods and techniques for the analysis of chemical compounds.

5. The Institute of Applied Chemistry, Academy of Sciences of the USSR, Leningrad, is engaged in research and development in the field of applied chemistry.

6. Special conditions are established for the Institute of Applied Chemistry, Academy of Sciences of the USSR, Leningrad, and for the Institute of Applied Chemistry, Academy of Sciences of the USSR, Leningrad, and for the Institute of Applied Chemistry, Academy of Sciences of the USSR, Leningrad.



BUTOCHI, D.,

"Geology and Petrography of the Chindomani Somona Region of the Gobi-Altai Aymak of the Mongolian People's Republic. (Northern Chains of the Mongolian Altai System)." (Dissertation for Degree of Candidate of Geological and Mineralogical Sciences) Leningrad Order of Lenin State U imeni A. A. Zhdanov, Leningrad, 1955

SO: M-1036 28 Mar 56

BUTOI, I., ing.

Supporting the drifts on the 7th stratum of the western region  
in working the Anina mine. Rev min 12 no.7:312-314 J1 '61.

BUTOIANU, G., dr.; RADU, V., dr.; COCULESCU, L., dr.; SCRIMA, Doina, ext.

Varicellous pneumonia in the adult. Med. intern., Bucur 12 no.10:  
1505-1506 0 '60.

1. Lucrare efectuata in Clinica I de boli cotagiose I.M.F. Bucuresti  
(director: prof. M.Voiculescu).  
(LUNG DISEASES etiol.)

LEONESCU, M., dr.; PEREDERI, S., dr.; BUTOIANU, C., dr.; DUNA, F., dr.;  
LAMBA, N., dr.: In colaborare cu: DINESCU, G., dr.

Catamnestic data in dysentery. Med. intern. 15 no.10:1219-1223  
'63.

1. Lucrare efectuata in Clinica I de boli contagioase I.M.F.  
(director: prof. M. Voiculescu). 2. Spitalul de boli con-  
tagioase "Colentina" (for all but Dinescu).  
(DYSENTERY) (DIAGNOSIS)