"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

TOLKUNOV, B.; BURESOVA,O.; BURES, J.; KUZNETSOVA,G.; FIFKOVA, E.

Use of spreading depression in study of relationships between the cerebral cortex and the striatum in rats. Physiol. Bohemoslov. 14 no.3:253-260 '65

1. Institute of Physiology, Czechoslovak Academy of Sciences, Prague, Institute of Evolutionary Physiology, Academy of Sciences of the U.S.S.R., Leningrad; Institute of Higher Nervous Activity and Neurophysiology, Academy of Sciences of the U.S.S.R., Moscow.

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

TOLKUNOV, B.F.

Correlation between periods of activation and depression in responses of cortical neurons to impulse electric and photic stimulations. Fiziol.zhur. 51 no.3:285-292 Mr '65. (MIRA 18:5)

1. Laboratoriya sravnitel'noy fiziologii tsentral'noy nervnoy sistemy Instituta evolyutsionnoy fiziologii i biokhimii imeni Sechenova AN SSSR, Leningrad.

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

GINETSINSKIY, A.G.; KURDUBAN, L.I.; TOLKUNOV, B.F.

Conditioned reflex hydremia. Trudy 1-go MMI 11:310-317 '61. (MIRA 15:5)

1. Kafedra fiziologii (zav. - prof. A.G.Ginetsinskiy) Novosibirskogo meditsinskogo instituta.
(CONDITIONED RESPONSE) (BLOOD--DISEASES)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

TOLKUNOV, B.F.

Bioelectrical activity of single neurons of the hypothalamus in short-term shifts of osmotic pressure in the reservoir of the internal carotid artery and the portal vein of the liver. Fiziol. zhur. 48 no.1:39-46 Ja '62; (MIRA 15:2)

1. From the Laboratory for Comparative Physiology of the Central Nervous System, I.M. Setchenov Institute of Evolutionary Physiology, Leningrad.

(HYPOTHALAMUS--INNERVATION) (CAROTID ARTERY)
(PORTAL VEIN)

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

TOLKUNOV, B.F.

A method for the implantation of electrodes into the hypothalamic region in dogs. Biul. eksp. biol i med. 50 no.12:103-104 D '60. (MIRA 14:1)

1. Iz Novosibirskogo instituta travmatologii i ortopedii (dir. - dotsent D.P. Metelkin). Predstavlena deystvitel'nym chlenom AMN SSSR V.N. Chernigovskim.

(HYPOTHALAMUS)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

ANDROSOVA, Z.G.; GINETSINSKIY, A.G.; GNEDINA, T.N.; KURDUBAN, L.I.; NATOCHIN, Yu.V.; TOLKUNOV, B.F.

Conditioned reactions developing during the effect of humoral factors. Zhur.vys.nerv.deiat. 9 no.3:388-397 My-Je '59. (MIRA 12:9)

1. Chair of Physiology, Medical Institute, Novosibirsk.
(REFLEX, CONTIONED - pharmacology)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

GOLUBKOV, N.D., inzhener; TOLKUNOV, I.M., inzhener.

For higher quality in the construction of automobile roads. Avt.dor. 17 no.2: 6-7 S-O '54. (MIRA 8:4)
(Road construction)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

TOLKUNOV, L.

In the same ranks toward the same objective. Sov.profsoiuzy 16 no.8:24-27 Ap '60. (MIRA 13:6)
(Communist countries--Foreign relations)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

Tolkunov, L.

TOLKUNOV, L., red.; NOVIKOVA, L., tekhn.red.

[In cities and villages of the new China] V gorodakh i selakh novogo Kitaia. [Moskva] Izd-vo "Pravda," 1957. 375 p. (MIRA 11:2)

(China--Description and travel)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

TOLKUNOV, L., redaktor; DELYUSIN, L., redaktor; NOVINKOVA, L., tekhnicheskiy redaktor

[With Chinese friends] U kitaiskikh druzei. [Moskva] Izd-vo "Pravda," 1956. 405 p. (MLRA 9:11)

(China--Description and travel)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

ZDANCHUK, G.A.; TOLKUNOV, V.I.

Carbon black and ways to obtain it in a school experiment.
Khim. v shkole 16 no.6:67-69 N-D '61. (MIRA 14:11)

1. Pedagogicheskiy institut, Kuybyshev.
(Carbon black)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

ZDANCHUK, G.A.; TOLKUNOV, V.I.

Demonstrating the new method to prepare hydrochloric acid.
Khim.v shkole 18 no.2:68-69 Mr-Ap '63. (MIRA 16:4)

1. Pedagogicheskiy institut, Kuybyshev.
(Hydrochloric acid--Experiments)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

TOLKUNOV, V. P.,

"Effect of Certain Characteristics of Alternating Current Machines upon Their Commutating Performance." (Dissertation for Degree of Candidate for Technical Sciences) Min Higher Education USSR, Khar'kov Polytechnical Inst imeni V. I. Lenin, Khar'kov 1955

SO: M-1036 28 Mar 56

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

YAKOVENKO, Vasiliy Aleksandrovich, dotsent, kand. tekhn. nauk; TOLKUNOV, Vladimir Petrovich, dotsent, kand. tekhn. nauk

Commutation of direct current electric machines with frog-leg windings. Izv. vys. uchob. zav.; elektromekh. 2 no.6:55-65 '59. (MIRA 12:11)

1.Khar'kovskiy politekhnicheskiy institut.
(Commutation (Electricity))

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

SOV/144-59-2-9/19

AUTHOR: Tolkunov, V.P., Candidate of Technical Sciences, Senior Lecturer

TITLE: The Influence of the Shape of the Interpole Field on the Commutation of DC Machines

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Elektromekhanika, 1959, pp 76 - 80 (USSR)

ABSTRACT: Some authors consider that the shape of the interpole field has an important influence on commutation and that the interpole shoe shape should be so chosen that the curves of e.m.f. of rotation and reactive e.m.f. are the same. This idea has not been confirmed experimentally, presumably because of experimental difficulties. Other authors doubt whether the shape of the interpole shoes influences the process of commutation. They consider that the role of the interpole is to transfer the current from the trailing edge of the brush.
In 1957-1958 it was decided to study this subject at the Khar'kovskiy elektromekhanicheskiy zavod (Khar'kov Electro-mechanical Works) in order to elucidate the influence of the shape of the interpole shoe on commutation

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SOV/144-59-2-9/19

The Influence of the Shape of the Interpole Field on the Commutation of DC Machines

and to obtain the best pole-shoe design for machines of the new All-Union series P. Docent I.M. Kovtun and Candidate of Technical Sciences V.P. Tolkunov of the Khar'kov Polytechnical Institute and Engineers V.T. Ostrovershenko and V.Ye. Prokopov of the electrical-machines laboratory of the works participated in the study. The main part of the work was the installation on two motors of the P series of interpole shoes of various shapes and the determination of zones of sparkless operation for each shoe. In each case drawings were also made of the interpole field, which was compared with the reactive field. The first motor tested was type P-92, of 75 kW, 220 V, with a simple wave winding; other design details are given. Ten different shapes of pole shoes, sketched in Figure 1, were fitted to this motor. The shoes were bolted on and could easily be replaced. For each pole shoe many determinations were made of the width of the sparkless zone and in all cases mean values were taken. The results appear in

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Table 1, in which current values are given as percentages of rated armature current. The data of Table 1 was used to plot the graph, given in Figure 3, of the relative width of the zone of sparkless operation as a function of the width of the pole shoe at rated armature load. This curve gives a fairly good idea of the commutational reliability of the machine at rated load as a function of the width of the interpole shoe.

The field shape was also constructed for each shape of interpole shoe and the shoe illustrated in Figure 1, sketch 1, gave a field that corresponded most closely to the reactive field. It will be seen from Table 1 that this shoe gave the worst commutation.

Tests were also made on a motor type P101 of 100 kW, 220 V, other design details of which are given. Eight different shapes of interpole shoes were tried on this motor over periods of several months. The various shoes were tried several times in different orders and the general agreement of the results was good. The experimental results

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

are given in Table 2 and the data were used to plot the curve of Figure 3b. It is very similar to the analogous curve for the other motor, though the influence of the pole shoe on the width of the commutation zone is less clearly expressed.

In addition, the works tried various shapes of pole shoe when adjusting the commutation of experimental models of series P motors. Experimental data on the zones of sparkless commutation for a motor type P-111 of 160 kW, 220 V, taken with various shapes of shoe, are plotted in Figure 4. It will be seen that the commutation improved as the width of the shoe was increased; similar results were also obtained for other experimental motors.

It is concluded that commonly-held views about the influence of the shape of the interpole shoe on commutation are wrong. In general, the commutation improves as the width of the pole shoe is increased, the effect being more clearly marked on some machines than on others. With pole shoes of the best size the rotation field is approximately the same

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In addition, the works tried various shapes of pole shoe when adjusting the commutation of experimental models of series P motors. Experimental data on the zones of sparkless commutation for a motor type P-111 of 160 kW, 220 V, taken with various shapes of shoe, are plotted in Figure 4. It will be seen that the commutation improved as the width of the shoe was increased; similar results were also obtained for other experimental motors.

It is concluded that commonly-held views about the influence of the shape of the interpole shoe on commutation are wrong. In general, the commutation improves as the width of the pole shoe is increased, the effect being more clearly marked on some machines than on others. With pole shoes of the best size the rotation field is approximately the same

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

The Influence of the Shape of the Interpole Field on the Commutation of DC Machines SOV/144-59-2-9/19

over the whole width of the commutation zone. As a rule, the zone of sparkless operation is more stable when the interpole shoe is wide.

There are 4 figures, 2 tables and 4 Soviet references.

ASSOCIATION: Khar'kovksiy politekhnicheskiy institut (Khar'kov Polytechnical Institute)

SUBMITTED: January 22, 1959

Card 5/5

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

YAKOVENKO, V.A.; TOLKUNOV, V.P.

Experience in adjusting the commutation of P-series d.c. machinery.
Trudy KhPI 30 no.1:203-210 '60. (MIRA 14:9)
(Electric machinery--Direct current)
(Commutation (Electricity))

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

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TOLKUNOV, V.P., kand.tekhn.nauk

Effect of the "dead" section in wave windings of d.c. machines on their commutation. Vest. elektroprom. 31 no.5:14-16 My '60. (MIRA 13:8)
(Commutation (Electricity))
(Electric motors, Direct current--Windings)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

TOLKUNOV, VLADIMIR PETROVICH, kand.tekhn.nauk, starshiy prepodavatel'

Effect of the field of the main poles on the commutation of d.c. machines. Izv. vys. ucheb. zav.; elektromekh. 4 no.5:35-43 '61. (MIRA 14:7)

1. Khar'kovskiy politekhnicheskiy institut.
(Commutation (Electricity))
(Electric machinery--Direct current)

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TOLKUNOV, Vladimir Petrovich, kand.tekhn.nauk, starshiy prepodavatel'

Efficieny choice of current density and brush width in d.c. machines. Izv.vys.ucheb.zav.; elektromekh. 5 no.4:457-460 '62. (MIRA 15:5)

1. Khar'kovskiy politekhnicheskiy institut.
(Electric machinery—Direct current)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

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TOLKUNOV, V.P., kand.tekhn.nauk

Choice of the value of current density under the brushes of small and medium power d.c. machines. Elektrichestvo no.8:65-68 Ag '62. (MIRA 15:7)

1. Khar'kovskiy politekhnicheskiy institut.
(Electric machinery—Direct current)

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

TOLKUNOV, Vladimir Petrovich, kand. tekhn. nauk, dotsent

Number of parallel branches and other features of armature frog leg windings. Izv. vys. ucheb. zav.; elektromekh. 8 no.10:1128-1130 '65. (MIRA 18:11)

1. Kafedra elektricheskikh mashin Khar'kovskogo politekhnicheskogo instituta. Submitted November 13, 1964.

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TOLKUNOV, V.P., kand. tekhn. nauk

Switching characteristics of stepped armature windings of d.c. machines. Elektrotekhnika 36 no.5:10-11 My '65.
(MIRA 18:5)

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TOLKUNOVA, V.N.

[Labor disputes in the U.S.S.R. and a procedure for their solution] Trudovye spory rabochikh i sluzhashchikh v SSSR i poriadok ikh razresheniia; lektsiia dlia studentov VIUZI. Moskva, 1958. 76 p. (MIRA 15:5)

(Labor disputes)

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VYAKHIREV, D.A.; MAL'KOVA, G.Ya.; VOROB'YEV, Yu.V.; KURYGIN, V.A.; TOLKUNOVA, Z.D.

Gas-liquid chromatography of impurities in acetone. Neftekhimiia 2 no.6:928-933 N-D '62. (MIRA 17:10)

1. Nauchno-issledovatel'skiy institut khimii pri Gor'kovskom gosudarstvennom universitete.

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TOLKUSHEV, G.I.

Use of paired blastholes in open-pit workings. Izv.vys.ucheb.zav.; gor.zhur. 5 no.9:61-64 '62. (MIRA 15:11)

1. Kazakhskiy politekhnicheskiy institut. Rekomendovana kafedroy razrabotki plastovykh mestorozhdeniy i otkrytykh gornykh rabot.
(Boring) (Blasting)

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TOLKUSHEV, G.I.

Number and depth of blast holes in mining. Izv.AN Kazakh.SSR, Ser.gor.dela no.2:50-57 '59. (MIRA 13:4)
(Mining engineering)

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TOLKUSHEV, G.I.; SHCHERBAK, G.S.; ANSABAYEV, A.A.

Efficiency of using slab charges. Izv.AN Kazakh.SSR.Ser.gor.dela no.2:57-64 '61. (MIRA 15:2)

(Blasting)

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TOLKUSHEV, V.

Kuybyshev Hydroelectric Power Station

Planning new towns in the region of the Kubyshev hydroelectric power station construction project, Sel'.stroi., no. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 1952 ~~1953~~. Unclassified.

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TOLKUSHEV, V.

HYDROELECTRIC POWER STATIONS

Planning new towns in the region of the Kuybyshev hydroelectric power station construction project. Sel'.stroi. no. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 1952 ~~1953~~. Unclassified.

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TOLKUSHEV, V.

City Planning

Planning new towns in the region of the Kuybyshev hydroelectric power station construction project. Sel'. stroi., No. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 1952 ~~1958~~. Unclassified.

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TOLKUNHEV, V.

Nachal'nik proektno-planirovochnoy kontory "Kuybyshevsel'proekt"

Sel'. stroi., 1952. no. 4, iyul'-avgust

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TRISVYATSKIY, A.Ya.; TSUKANOVA, Yu.A.; GEL'FAND, M.R.; MYTNIK, A.I.; PASHNIKOVA, Yu.A.; FRANTSEVA, Ye.N.; TOLKUYEVA, F.A.; FOMIN, M.I.; STARKOV, N.Ye., red.; KOLOMIYETS, K.A., tekhn. red.

[Economy of Kursk Province; a statistical manual] Narodnoe khoziaistvo Kurskoi oblast; statisticheskii sbornik. Orel, Gosstatizdat, 1958. 198 p. (MIRA 11:12)

1. Kursk(Province). Oblastnoye statisticheskoye upravleniye.
2. Nachal'nik Statisticheskogo upravleniya Kurskoy oblasti(for Starkov).
3. Rabotniki Statisticheskogo upravleniya Kurskoy oblasti(for all except Fomin, Starkov, Kolomiyets)
(Kursk Province--Economic conditions--Statistics)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

TOLL, EDUARD VASILIEVICH

TOLL, EDUARD VASILIEVICH. Die russische Polarfahrt der "Sarja", 1900-1902, aus den hinterlassenen Tagebuechern, von Baron Eduard von Toll, hrsg. von Baronin Emmy von Toll; mit 1 portraet, 4 Tafeln und 47 Textabbildungen. Berlin, G. Reimer, 1909. iv, 635 p.

DLC: G700 1900.33

SO: LC, Soviet Geography, Part I, 1951, Uncl.

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

SHTANENKO, N.R.; TOLKUYEVA, V.P.; KOSAREVSKAYA, I.A.

Evaluation of dry quinosol medium in microbiological diagnosis of diphtheria. Zhur.mikrobiol., epid. i immun. 42 no.9:141-142 S '65. (MIRA 18:12)

1. Novokuznetskaya sanitarno-epidemiologicheskaya stantsiya. Submitted April 21, 1964.

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

TOLL, Laszlo

Catalytic hydrogenation of benzene at 15-50 atmospheric pressure.
Veszprem vegyip egy kozl 4 no.4: 407-408 '60

1. Veszpremi Vegyipari Egyetem Fizikai Kemia Tanszek.

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

BENEDEK, P.; SZABADKA, Odon; TOLL, Laszlo

Testing catalyzed water gas reaction. Pt.3. Veszprem vegyip egy kozl 5 no.1:25-32 '61

1. Veszpremi Vegyipari Egyetem Fizikai-kemia Tanszek.

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

TOLL, Laszlo, muszaki doktor

Analysis of atmospheric co-conversion by means of industrial catalysts. Veszprem vegyip egy kozl 7 no.4:399-406 '63.

1. Chair of Physical Chemistry of the Chemical Industry University, Veszprem.

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

MAGYAR, Miklos; SZOLCSANYI, Pal; SZABADKA, Odon; TOLL, Laszlo

Testing catalyzed water gas reaction. Pt.1. Veszprem vegyip egy kozl 5 no.1:5-14 '61

1. Veszpremi Vegyipari Egyetem Fizikai-kemia Tanszek.

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

MAGYAR, Miklos; TOLL, Laszlo

Metal catalysis in technical practice. VI. Hydrogenation of benzol by contact nickel. (To be contd). Magy kem folyoir 66 no.8:297-303 Ag '60.

1. Vegyipari Egyetem Fizikai-Kemiai Tanszeke, Veszprem.

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

GOL'DENBERG, A.Ya.; BEGLYAROVA, N.T.; KUNYACHAYA, D.K.; KLETSKINA, K.T.; BISKUBOVA, Z.O.; BAYRAMOV, M.N.; SHUSTER, D.Ye.; TOLL', M.Kh.

Prophylactic examination of the population for tuberculosis. Sov. med. 25 no.5:78-82 My '62. (MIRA 15:8)

1. Iz organizatsionno-metodicheskogo sektora (rukovoditel' - kand. med.nauk A.Ya.Gol'denberg) Khar'kovskogo instituta tuberkuleza i oblastnykh protivotuberkuleznykh dispanserov: Khar'kovskogo (glavnyy vrach N.T.Beglyarova), Dnepropetrovskogo (glavnyy vrach K.T.Kletskina), Zaporozhskogo (glavnyy vrach M.M.Bayramov) i Sevastopol'skogo gorodskogo dispansera (glavnyy vrach M.Kh.Toll').
(TUBERCULOSIS--PREVENTION) (MEDICAL SCREENING)

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

TOLL, S.

Three new Tortricidae from Poland (Lepidoptera)

P. 349 (ANNALES ZOOLOGICI) Poland Vol. 16, No. 22, May 1957

SO: Monthly Index of East European Acessions (AEEI) Vol. 6, No. 11, November 1957

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

KARPINSKI, Jan Jerzy; TOLL, Sergiusz

Laspeyresia st.cruciana sp. nov. (Lepidoptera, Totricidae) the Polish larch budworm. Sylwan 56 no.1:23-28 Ja-F '62.

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

POLAND / General and Special Zoology. Insects. Systematics and Faunistics. P

Abs Jour: Ref Zhur-Biol., No 12, 1958, 54269.

Author : Toll, Sergiusz.
Inst : Not given.
Title : Two Butterfly Species New to the Fauna of Poland.

Orig Pub: Polskie pismo entomol., 1956 (1957), 26, No 1-26, 113-120.

Abstract: The discovery of Colias australis and Euxos crypta in Poland and a comparison of them with the closely related species formerly confused with them.

Card 1/1

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

TOLIOCHKO, YA. M.

Agriculture

Processing of bast in a green state; 2.; perer. i dop. izd Moskva, Gos. izd-vo selkhoz lit-ry 1951

Monthly List of Russian Accessions, Library of Congress, May 1952. UNCLASSIFIED

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

ROSTAFINSKA, J.; TOLLOCZKO, A.; GABRYELEWICZ, A.

Atypical multiple myeloma. Polskie arch. med. wewn. 29 no.2:278-281 1959.

1. Z II Kliniki Chorob Wewnetrznych A. M. w Bialymstoku Kierownik: prof. dr med. J. Chlebowski i z I Kliniki Chirurgicznej A. M. w Bialymstoku Kierownik: z prof. dr med. F. Olenski. Adres Bialystok. ul. Piwna 25, II Klinika Chor. wewn. A.M.

(MYELOMA-PLASMA CELL, case reports, atypical case (Pol))

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

TOLLOCZKO, Antoni

Rare surgical complications in electric shock therapy. Pol. tyg. lek. 19 no.44:1695-1696 N 2'64

1. Z I Kliniki Chirurgicznej Akademii Medycznej w Bialymstoku (Kierownik: prof. dr. med. Feliks Olenski).

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

TOLLOCZKO, Antoni

Protein deficiency and its equalization in acute intestinal obstruction. Polski przegl. chir. 27 no.6:549-562 Je '55.

1. Z III Kliniki Chirurgicznej A.M. w Gdansku. Dyrektor: prof. dr Z. Kieturakis. (Na podstawie materialu Szpit. Chiru. w. Bialymstoku) Bialostok, Klinika Chir. A.M

(INTESTINAL OBSTRUCTION, surgery,
postop. protein defic. ther.)
(PROTEINS, deficiency,
postop. in intestinal obstruct., ther.)

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

TOLLOCZKO, B,

Polish Technical Abst.
No. 1 1954
Mechanics, Electrotechnics,
Power

2589

621.181.7

Tolloczko B. Steam Boilers. Vol. 1, Part 3.

„Kotły parowe", T. 1. Cz. 3, Warszawa, 1953. PWT. 16°. 70 pp., [illegible] figs.

Volume 1. (Fuels, Combustion and Furnaces). Part 3 contains comprehensive data on the subject of the following mechanical stokers: self-charging stokers, chain grate stokers, Makarieff type stokers, underfed stokers, step grate stokers and reciprocating stokers.

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

TOLLACZKO, B.

Polish Technical Abst.
No. 1 1954
Mechanics, Electrotechnics, Power

2587

621.18

Tolloczko B. Steam Boilers. Vol. I, Part 1.

„Kotly parowe" T. 1. Cz. 1. Warszawa, 1951. PWT, 16°, 92 pp., 8 figs., 33 tabs.

Volume I (Fuels, Combustion and Furnaces) Part 1 contains full data concerning boiler fuels, an analysis of the combustion process and the thermal balance of a steam boiler.

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

TOLLACZKO, B.

Polish Technical Abst.
No. 1 1954
Mechanics, Electrotechnics,
Power

/2588

621.181.7

Tolloczko B. Steam Boilers. Vol. 1, Part 2.

„Kotły parowe". T. 1, Cz. 2, Warszawa. 1952. PWT. 16°, 148 pp., 61 figs., 9 tabs.

Volume 1, (Fuels, Combustion and Furnaces). Part 2 deals with hand-stocked furnaces, inclined grate, step grate, semi-producer and wedge type grate furnaces.

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

TOLLOCZKO, S.
W. KEMULA, Chem Listy, 1932, 26, 466-473

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

Chemistry & Chemical Technology

989

Tolloczko S Inorganic Chemistry, with Principles of General Chemistry, 9th Ed. 541 + 544

„Chemia nieorganiczna łącznie z zasadami chemii ogólnej". Kraków, 1948, Sp. Wyd. Prac. Techn. Bak. Akad., 8°, pp 731, 143 figs

Elements, physical bodies. Kinetics of matter. Mixtures Solutions Chemical transformations. Ozone. Hydrogen. Osmosis. Phases. Molecule and atom. Electrolysis. Matter. X-ray spectrum. Periodic system of elements. Chlorine. Photochemical reactions Mass. Electrochemistry. Bromine. Iodine Fluorine. Sulphur group. Nitrogen Argonines Phosphorus Colloidal solutions. Carbon. Silicon. Boron. Metals. Potassium group and ammonium. Alkaline earth metals. Alums Germanium. Tin Lead Copper. Silver. Gold Zinc Cadmium. Mercury Rare earth elements. Titanium. Zirconium. Hafnium Vanadium. Niobium. Tantalum Chromium Molybdenum Tungsten Manganese Rhenium Ferrites. Iron. Cobalt Nickel Platinum group Radioactive elements Energy and matter

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

BC

A1

General equation for the velocity of simple adsorption. [illegible] Chem. Comm., [illegible] During the course of adsorption or desorption the degree of [illegible] given substance is [illegible] where d, $1/n$, and n are constants, and P is the initial maximum value of the pressure of the substance. C. W. Gilby.

COMMON ELEMENTS

COMMON VARIABLES INDEX

OPEN

MATERIALS INDEX

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

MATERIALS INDEX

AUTHOR INDEX

1ST AND 2ND LETTER

3RD AND 4TH ORDERS

2ND LETTER

1ST AND 2ND LETTER

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

KUCZEWSKA, Kazimiera; KASPERSKA, Teresa; TOLLOCZKO, Kazimierz; ZAJACZKOWSKI, Konstanty

Some notes on Recklinghausen's disease. Polskie arch. med. wewn. 32 no.5:501-508 '62.

1. Z III Kliniki Chorob Wewnetrznych AM w Warszawie Kierownik: prof. dr med. E. Kodejszko i z I Kliniki Chirurgicznej AM w Warszawie Kierownik: prof. dr med. J. Nielubowicz z Kliniki Ortopedycznej AM w Warszawie Kierownik: prof. dr med. A. Gruca.
(OSTEITIS FIBROSA case reports)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

TOLLOCZKO, STANISLAW: Inorganic Chemistry, Together with Outlines of General Chemistry [in Polish]. 8th ed. Warsaw: Gebethner and Wolff. 535 pp. Zlotys 17.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

2

Tołłoczko, Stanisław: Chemia nieorganiczna łącznie z zasadami chemii ogólnej. 9th ed. Revised and enlarged by Wiktor Kemula. Kraków: 1948. Reviewed in *Roczniki Chem.* 22, 202 (1948).

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

ca

2

A general equation for the speed of pure adsorption. STANISLAW TOLŁOCZKO. *Collection Czechoslov. Chem. Communications* 2, 344-6(1930).—Freundlich's adsorption equation, $a = \alpha p^{1/n}$, generalized to take into account the temp. obtaining, is $a_t = \alpha[p_t + (P - p_t)e^{-kt}]^{1/n}$, where P is the value at $t = 0$ of the tension of adsorbed mols., and p_t the pressure of the gas present. MALCOLM DOLE

COMMON ELEMENTS

OPEN

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ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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1ST AND 2ND ORDERS

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3RD AND 4TH ORDERS

CA

10

TOLLOCZKO, STANISŁAW. Organic Chemistry [in Polish]. 6th ed. Warsaw: Gebethner & Wolff. 456 pp. Zlotys 19.

1932

COMMON ELEMENTS

OPEN

MATERIALS INDEX

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

TOLLOCZKO, Tadeusz; NIELUBOWICZ, Jan, prof. dr. med.

Gastric juice examination in patients with duodenal ulcer following gastric resection and vagotomy. Pol. tyg. lek. 20 no.9: 299-301 1 Mr.'65.

1. Z Kliniki Chirurgicznej Akademii Medycznej w Warszawie; (kierownik: prof. dr. med. Jan Nielubowicz).

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

KRUSZEWSKI, Stanislaw; POLOCZKO, Tadeusz

Some causes of faulty drainage of the common bile duct.
Pol. przegl. chir. 35 no.7/8:773-774 '63.

1. Z I Kliniki Chirurgicznej AM w Warszawie Kierownik: prof. dr J. Nielubowicz i z Zakladu Radiologii Lekarskiej AM w Warszawie Kierownik: prof. dr W. Zawadowski.
(CHOLANGIOGRAPHY) (COMMON BILE DUCT)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

TOLLOCZKO, Tadeusz

Localization of the parathyroid glands. Polski przegl.chir. 35 no.9:969-970 '63.

Renal and gastrointestinal manifestations of hyperparathyroidism. Polski przegl. chir. 35 no.9:971-972 '63.

1. Z I Kliniki Chirurgicznej AM w Warszawie (kierownik: prof.dr. J.Nielubowicz) i z Kliniki Urologicznej AM w Warszawie (kierownik: prof. dr. S. Wesolowski).

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

KRUSZEWSKI, Stanislaw; TOLLOCZKO, Tadeusz

Cholangiography immediately after surgery. Polski przegl. radiol. 26 no.2:145-148 '62.

1. Z Zakladu Radiologii Lekarskiej AM w Warszawie Kierownik: prof. dr nauk med. W. Zawadowski z I Kliniki Chirurgicznej AM w Warszawie Kierownik: doc. dr med. J. Nielubowicz.
(CHOLANGIOGRAPHY) (CHOLECYSTECTOMY)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

POLAND / Cultivated Plants. Forage Crops. M-5

Abs Jour: Ref Zhur-Biol., 1958, No 16, 73000.

Author : Tolloczko, W.
Inst : Not given.
Title : Fodder Grass Mixtures on Light Soils.

Orig Pub: Plon, 1957, No 6, 7.

Abstract: Experiments in the voyevodstvos of Bydgoshchskiy and Poznanskiy showed that the best mixture for light soils is yellow fodder lupine with Ornithopus sativus Broth. Norms for planting lupine are 140-160 and for Ornithopus sativus Broth. 23-30 kg/ha. Best green fodder is obtained by planting 120-140 kg of yellow lupine and 70-80 kg of maple pea per 1 ha. Grass mixtures with oats can be recommended only for hay. 100-120 kg of maple pea, 70-80 kg of lupine and 20 kg of oats of the later varieties

Card 1/2

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

TOLLOCZKO, W.

"Cultivation of yellow lupine for forage in the light of recent experiments." (p. 86) NOWE ROLNICTWO (Panstwowe Wydawnictwo Rolnicze i Lesne) Warszawa, Vol. 3, No. III, Mar. 1954

SO: East European Accessions List, Vol 3, No. 8, August 1954

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

TOLLRAGO, Peter

WESCO! The logical-symbolic computing machine. Musz elet 16 no.11:7 My '61. (EEAI 10:9)

(Calculating machines) (Computers)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

RUMANIA/Farm Animals. Honeybees Q-6

Abs Jour : Ref Zhur - Biol., No 11, 1958, No 50118

Author : Foti, N., Darac, I., Copaitici, M., Dolcas, A., Alexandru V., Tolmacevschi A., Peti I.

Inst : -

Title : Experimental Data Regarding Temporary Colonies Organized with Queens which Hibernated Outside of Winter Quarters

Orig Pub : Apicultura, 1957, No 6, 4-9

Abstract : The method of using auxiliary queens (AQ) during productive years resulted in a 35-130 percent increase of honey being collected in Rumania. In unproductive years, the increase amounted only to 12-18 percent, for a considerable part of honey crops had to be spent for bee colonies for the period of their hibernating with AQ. A new method of hibernating of queens outside of winter-quarters is proposed. During spring, one or more temporary colonies (TC) are organized from a strong basic colony (BC) with queens which hibernated

Card : 1/2

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outside of winter quarters. At the onset of winter season, TC are united with BC. An equal number of BC and TC was formed from 58 bee colonies at 3 experimental stations in Rumania in April of 1955. TC were supplied with queens which hibernated outside of winter quarters. For the winter season of 1955/1956 the abovementioned combined colonies weighing 3-5 kg were used; here, the winter bee losses were lower by 140 percent than in control colonies. The feed requirements were lower by 2.5 kg per each kg of bees in test colonies as compared to control colonies. When 2 TC were formed from each BC in another experiment, a total crop of 122.5 kg of honey was obtained (90.4 kg being a commercial quality), while only 24.8 kg of commercial quality honey could be obtained from control bees. In another experiment, involving one of the TC, 62.4 kg of commercial quality honey were collected. --V.A. Kanzyuba

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

TOLMACEVSCHI A.

RUMANIA/Farm Animals. Honeybees 9-6

Abs Jour : Ref Zhur - Biol., No 11, 1958, No 50118

Author : Foti, N., Darac, I., Copaitici, M., Bolcas, A., Alexandru V., Tolmacevschi A., Peti I.

Inst :

Title : Experimental Data Regarding Temporary Colonies Organized with Queens which Hibernated Outside of Winter Quarters

Orig Pub : Apicultura, 1957, No 6, 4-9

Abstract : The method of using auxiliary queens (AQ) during productive years resulted in a 35-130 percent increase of honey being collected in Rumania. In unproductive years, the increase amounted only to 12-18 percent, for a considerable part of honey crops had to be spent for bee colonies for the period of their hibernating with AQ. A new method of hibernating of queens outside of winter-quarters is proposed. During spring, one or more temporary colonies (TC) are organized from a strong basic colony (BC) with queens which hibernated

Card : 1/2

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outside of winter quarters. At the onset of winter season, TC are united with BC. An equal number of BC and TC was formed from 58 bee colonies at 3 experimental stations in Rumania in April of 1955. TC were supplied with queens which hibernated outside of winter quarters. For the winter season of 1955/1956 the abovementioned combined colonies weighing 3-5 kg were used; here, the winter bee losses were lower by 140 percent than in control colonies. The feed requirements were lower by 2.5 kg per each kg of bees in test colonies as compared to control colonies. When 2 TC were formed from each BC in another experiment, a total crop of 122.5 kg of honey was obtained (90.4 kg being a commercial quality), while only 24.8 kg of commercial quality honey could be obtained from control bees. In another experiment, involving one of the TC, 62.4 kg of commercial quality honey were collected. —V.A. Kanzyuba

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

TOLMACH, D.V., kand. med. nauk (Donetsk-3, Kalinovka, ul.Yunosheskaya 18a); MASS, Ya.B.

Prevention and treatment of disorders of water-electrolyte metabolism during operations on the stomach. Klin. khir. no.3:39-42 '65. (MIRA 18:8)

1. Propedevticheskaya terapevticheskaya klinika No.2 (zav. - prof. B.D.Borevskaya) i klinika obshchey khirurgii No.2 (zav. - dotsent Ya.D.Dmitruk) Donetskogo meditsinskogo instituta.

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

TOIMACH, D.V.

Effect of diathermy on motor function of the stomach in gastritis and peptic ulcer. Vrach.delo supplement '57:7 (MIRA 11:3)

1. Kafedra fakul'tetskoy terapii (zav.-prof. I.B.Shulutko) Stalinskogo meditsinskogo instituta.
(STOMACH) (DIATHERMY)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

TOLMACH, D. V., Candidate of Med Sci (diss) -- "The clinical significance of gastrography in certain diseases of the gastrointestinal tract". Stalino, 1959. 16 pp (Stalino State Med Inst im A. M. Gor'kiy), 200 copies (KL, No 21, 1959, 121)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

TOLMACH, D.V., kand.med.nauk

Electrolyte metabolism and the motor function of the stomach in chronic gastritis. Vrach. delo no.3:38-40 Mr '64. (MIRA 17:4)

1. Propedevticheskaya terapevticheskaya klinika No.2 (zav. - prof. B.D.Borevskaya) Donetskogo meditsinskogo instituta.

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

Tolmach, D.V.

SHULUTKO, I.B., professor; TOLMACH D.V., professor; SHKLOVSKAYA, Ye.B.

Dioquine for treating peptic ulcers Vrach.delo no.2:899-899 S '57
(Mark 1958)

1. Kafedra fakul'tetskoy terapii (zav. - prof. I.B.Shulutko)
Stalinskogo meditsinskogo instituta
(PEPTIC ULCER) (NERVOUS SYSTEM, SYMPATHETIC)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

TOLMACH, D.V.

Effect of the ganglion blocking preparation, dioquine, on the motility of the stomach. Khim. i med. no.15:107-113 '60. (MIRA 15:1)

1. Iz kafedry fakul'tetskoy terapii (zav. - prof. I.B.Shulutko) Stalinskogo meditsinskogo instituta imeni A.M.Gor'kogo.
(STOMACH--MOTILITY) (DIOQUINE--PHYSIOLOGICAL EFFECT)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

SHULUTKO, I.B.; TOLMACH, D.V.; SHKLOVSKAYA, Ye.N.

Treatment of peptic ulcer of the stomach and duodenum with dioquine. Khim. i med. no.15:102-106 '60. (MIRA 15:1)

1. Iz kafedry fakul'tetskoy terapii (zav. kafedroy - prof. I.B. Shulutko) Stalinskogo meditsinskogo instituta imeni A.M.Gor'kogo.
(PEPTIC ULCER) (DIOQUINE--THERAPEUTIC USE)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

TOLMACH, I.E.

Review of E.M. Kagan's "Methods and technics in X-ray examinations of the gastrointestinal tract." Vest.rent.i rad. 34 no.5:90 S-O '59. (MIRA 13:3)

(ALIMENTARY CANAL--RADIOGRAPHY)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

L 9896-66 EWT(1)/EWA(d)/T-2/EWA(m)-2 IJP(c) AT

ACC NR: AP5026573 SOURCE CODE: UR/0281/65/000/005/0091/0104

44,55 44,55

AUTHOR: Tolmach, I. M. (Khar'kov); Yasnitskaya, N. N. (Khar'kov)

ORG: none

TITLE: Hall effect in a channel with section electrodes

SOURCE: AN SSSR. Izvestiya. Energetika i transport, no. 5, 1965, 91-104

TOPIC TAGS: magnetohydrodynamics, Hall effect

21, 44,55

ABSTRACT: The current distribution in a magnetohydrodynamic (MHD) generator having section electrodes and an arbitrary value of the Hall parameter is described analytically. Examination of a nonperiodic problem (Gilbert's boundary problem for a strip) results in the Keldysh-Sedov formula for current distribution. When the number of electrodes is very great, the Gilbert problem becomes a boundary problem for dual-periodic functions. Formulas are derived for the

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arbitrary constants, in the current-distribution relations, which depend on the connections of electrodes. Curves of the MHD generator efficiency, output, and voltage vs. the flow-width-to-section-pitch ratio are plotted. Two extensive supplements present details of the mathematical operations involved. Orig. art. has: 5 figures and 107 formulas.

SUB CODE: 20, 10 / SUBM DATE: 07Jul64 / ORIG REF: 006 / OTH REF: 001

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SOV/112-58-2-2297

Translation from: Referativnyy zhurnal, Elektrotekhnika, 1958, Nr 2, pp 81-82 (USSR)

AUTHOR: Zabrodskiy, R. O., and Tolmach, I. M.

TITLE: The Work of the Khar'kov Electromechanic Plant on the Automated Electric Drive of Cold-Rolling Mills (Raboty Khar'kovskogo elektromekhanicheskogo zavoda po avtomatizirovannomu elektroprivodu kholodnoprokatnykh stanov)

PERIODICAL: V sb.: Raboty M-va elektrotekhn. prom-sti SSSR po mekhaniz. i avtomatiz. nar. kh-va, I. M., 1956, pp 50-54

ABSTRACT: In cooperation with other TsNIITMASh plants and with the "Elektroprivod" Central Design Bureau, the KhEMZ plant is developing new systems for driving and controlling cold-rolling mills. The fundamental performance data for continuous and reversing mills scheduled to be installed at the Magnitogorsk Calibration plant are cited. A 2-armature motor with a small flywheel moment has been designed for driving the stands of a four-stand

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The Work of the Khar'kov Electromechanic Plant on the Automated Electric . . . .

continuous mill. A simplified diagram of an astatic tension regulator is presented, and its function described; a commutator controller, driven by a DC motor fed through a magnetic amplifier, is used in the regulator. The use of special high-speed commutator-type controllers improves effectiveness of the control of the mill.

V.A.I.

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

110-58-5-25/25

AUTHORS: Tolmach, I.M. and Oskerko, B.F., Engineers

TITLE: Disadvantages of the "two-winding" Method of Starting Synchronous Motors (O nedostatkakh puska sinkhronnykh elektrodvigateley pri vklyuchenii odnoy iz dvukh parallel'nykh vetvey)

PERIODICAL: Vestnik Elektropromyshlennosti, 1958, Vol 29, Nr 5, p 80 (USSR)

ABSTRACT: This note discusses a letter by Engineer Ya.I. Dodin and Professor A.Ya. Berger, published in Vestnik Elektropromyshlennosti, 1957, Nr 12, which recommended the "part-winding" method of starting synchronous motors, connecting one of two parallel winding paths before the other. Several objections are raised to this procedure. Investigations made by the works in 1954-1955 showed that there were a number of accidents to motors started in this way, including mine-winding equipment, although the windings were secured in just the same way as for direct-on-line starting. The trouble is not, as Berger thinks, due to weak fixing of the end-windings, but is a characteristic feature of the method of starting, which the Khar'kov Electromechanical Works no longer uses.

ASSOCIATION: KhEMZ

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TOLMACH, I. M. Cand Tech Sci -- (diss) "Study of the performance of synchronous electric motors in ~~shock~~ impact loading." Mos, 1959. 20 pp (State Committee of the Council of Ministers USSR on Automation and Mashine Building. Sci Res Inst of Electrical Industry), 150 copies. Bibliography at end of text (11 titles)

(KL, 43-59, 125)

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[illegible] kand.tekhn.nauk; [illegible], V.S., inzh.

Motor drive of a reversible cold rolling mill. Elektrichestvo no.8:77-81 Ag '61. (MIRA 14:10)

1. Khar'kovskiy elektromekhanicheskiy zavod (for Tolmach).
2. Nauchno-issledovatel'skiy i proyektno-konstruktorskiy institut gornogo i obogatitel'nogo oborudovaniya (for Sychev).
(Rolling mills--Electric driving)

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E191/E481

26.2351
26.1410

AUTHORS: Yantovskiy, Ye.I., Tolmach, I.M. (Khar'kov)

TITLE: Contribution to the theory of the magneto-hydrodynamic induction generator with a rotating field

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye tekhnicheskikh nauk. Energetika i avtomatika. no.3, 1962, 32-42

TEXT: A magneto-hydrodynamic induction generator with a swirled flow of electrically conducting gas is considered. The gas, obtained by combustion of fuel in a chamber is, introduced tangentially into the working space at a substantial velocity (about 1000 m/sec). The axial component of velocity, which determines the rate of mass flow, has a value at the inlet smaller by an order of magnitude. A rotating magnetic field produced by a three-phase winding in the stator connected to a powerful grid exists in the working gap of the generator. The tangential component of the gas velocity exceeds the linear velocity of the field so that currents interacting with the field in the gap arise in the gas. As a result of this, part of the total enthalpy in

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the gas is transformed into electrical energy and fed into the grid. In a previous paper by one of the present authors (AN SSSR. Izv. OTN. Energetika i avtomatika, no.6, 1961) equations describing the flow of the conducting gas were formulated. In the present paper these equations are generalized by taking into account the effects of temperature and density on the conductivity of the gas, eliminating the restriction to average values in time along the transverse coordinate and considering the voltage drop in the stator winding and the properties of the winding. The gap is assumed to be small in relation to both the length of the winding and the pole pitch. All the variables are averaged with respect to the radial coordinate across the gap but not with respect to time. Heat transfer by radiation is smaller than by convection and is covered by adjustment of the heat transfer coefficient. The friction forces are assumed applied at the boundaries of the gas layer. The ordinary equation of state of an ideal gas is assumed to hold. The viscous dissipation of energy is assumed absent as usual in the flow of gas in long channels where wall friction does not change the total enthalpy. The permeability of

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the magnetic circuit is infinitely large. The length of the working space is equal to the active length of the iron. The specific resistivity is a scalar quantity. It is a pronounced function of temperature but nearly independent of density. The magneto-hydrodynamic equations include the induction equation, the continuity equation, two components of the equations of motion and the energy equation. As a result of the analysis, the conception of a vector diagram for the magneto-hydrodynamic generator is introduced. The process of the direct transformation of part of the kinetic energy of the gas into electrical energy and its feeding into the grid is illustrated with the help of a local and a general vector diagram. There are 4 figures.

SUBMITTED: December 25, 1961

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ACCESSION NR: AT4042309

S/0000/63/003/000/0315/0325

AUTHOR: Keleberda, V. S.; Tolmach, I. M.

TITLE: Induction devices for measuring small Reynolds numbers

SOURCE: Soveshchaniye po teoreticheskoy i prikladnoy magnitnoy gidrodinamike. 3d, Riga, 1962. Voprosy* magnitnoy gidrodinamiki (Problems in magnetic hydrodynamics); doklady* soveshchaniya, v. 3, Riga, Izd-vo AN LatSSR, 1963, 315-325

TOPIC TAGS: Reynolds number, magnetic number, hydromagnetics, induction meter, gas conductivity, conductivity measurement

ABSTRACT: The authors consider the problem of measuring small Reynolds numbers in connection with the need to determine the electroconductivity of gases at high temperatures. The three basic methods for the measurement of the conductivity of an ionized gas are reviewed. These are: the probe method and two radiophysical methods (the circuit Q method and the microwave attenuation method). The shortcomings of these methods can be largely overcome if for measuring the electroconductivity of the stationary flow of an ionized gas, one uses a small single-phase induction-type magnetogasdynamic generator as the metering unit for the small magnetic Reynolds number. The IEP-01 device - the first model of an induction meter of ionized gas flow conductance - is described in

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detail. This instrument is said to be based on an improved circuitry of an induction-type flow meter operating on the radial component of the primary magnetic field. The principal parts of this instrument are: 1. An axiosymmetrical magnetic field inductor consisting of : a. a driving coil (750 turns) fed by alternating current of industrial frequency and b. an eight-section magnetic conductor of electrotechnical steel; 2. Two measuring coils (5,000 turns each), fastened in the region of the terminations of the magnetic conductor; 3. The channel of the conducting medium. The principle of operation of this device is analyzed in the text. Experimental tests of the IEP-01 have shown that, when using the instrument to solve certain technical problems, the electrical conductivity of a stationary flow of an ionized gas can be measured with satisfactory accuracy. However, it was also found that the experimental possibilities of the instrument were rather severely limited because of its insufficient sensitivity. In the next section of the paper, the authors described a test generator. The development of this generator was the result of the need to create a highly-sensitive device to be used in a number of physical research tasks involving stationary flows of ionized gases and, in particular, the measurement of the electrical conductivity of such gases. The magnetic system and the electrical circuitry of this generator are described in separate sections

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of the paper, and mathematical expressions are given for the calculation of the pertinent technical characteristics. The method of calibration is shown to consist, essentially, in the determination of the constant C of the instrument by means of a non-magnetic metal bar of known conductivity and given dimensions. The exact method of calibration is described in some detail in the article. Tests of an experimental model showed that 1. the theoretical postulates underlying the design of the instrument are correct; 2. experimental results were sufficiently stable and reliable. The specifications of the model were as follows: driving voltage - 15-50 volts; driving current - 60 - 200 amperes; constant C of the instrument -7 ± 8%. This instrument is said by the authors to permit the measurement of Reynolds number above 10^{-3}. Orig. art. has: 8 figures and 5 formulas.

ASSOCIATION: none

SUBMITTED: 04Dec63 ENCL: 00 SUB CODE: EM, ME

NO REF SOV: 003 OTHER: 003

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ACCESSION NR: AT4042318 S/0000/63/003/000/0389/0393

AUTHOR: Tolmach, I.M., Yantovskiy, Ye. I.

TITLE: The basic ratios of an ideal induction motor, expressed through the magnetic Reynolds number

SOURCE: Soveshchaniye po teoreticheskoy i prikladnoy magnitnoy gidrodinamike. 3d, Riga, 1962. Voprosy* magnitnoy gidrodinamiki (Problems in magnetic hydrodynamics); doklady* soveshchaniya, v. 3. Riga, Izd-vo AN LatSSR, 1963, 389-393

TOPIC TAGS: induction motor, magnetic Reynolds number, magnetohydrodynamic generator

ABSTRACT: By an "ideal induction motor" the authors understand an electric motor with a travelling field of constant amplitude, in the clearance of which, moving with a constant velocity v_x, is a continuous electroconductive medium (See Figure 1 of the Enclosure). The dimensions of the motor in the direction of the x and y axes are assumed to be infinite, with the result that boundary effects (longitudinal and transverse) are absent. A motor of this type is a particular example of an induction magnetohydrodynamic engine in which the velocity v_x is given as a function of the coordinates and other velocity components are

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present. The authors show that the fundamental characteristics of this motor can be expressed through three parameters: the frequency ω, the amplitude of the intensity of the resultant field H_r, and a dimensionless parameter called the magnetic Reynolds number. In this formulation, the process in the motor is described by a single induction equation having, in the given case, the following form:

$$-(\alpha^2 + i\mu\sigma\omega s)\dot{h} = i\mu\sigma\omega s\dot{H}_m, \quad (1)$$

since there is no change in variables along the y axis. The following expression is obtained for the resultant intensity in the clearance

$$\dot{H}_p = \dot{H}_m + \dot{h} = \frac{\dot{H}_m}{1 + R_m^2}(1 - iR_m). \quad (2)$$

Here $\dot{h}$ is the complex amplitude of the intensity in the clearance of the motor created only by the currents of the conducting medium; $\dot{H}_m$ is the amplitude of the external intensity created by the currents in the stator winding. The last equation is graphically illustrated by the vector diagram of the motor shown in Fig. 2 of the Enclosure. Expressions are found for ρ and the angle θ between vectors $\dot{H}_m$ and $\dot{h}$. The authors show

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that in the formulation of the problem considered in this paper the vertical straight line AA' is the hodograph of vector $\tilde{H}_m$. Allowance for the dissipation of the stator coil would give the circumference BB' as the hodograph; that is, the normal circular diagram of an asynchronous motor. For this reason, the authors admit that the approximation presented in the paper reflects the real process only at small values of R_m (in the no-load running zone of the motor). Another important criterion is the specific electromagnetic power p' generated in the stator coil by a unit volume of the electrically conducting medium. An expression for this value is obtained. Orig. art. has: 2 figures and 14 formulas.

ASSOCIATION: none

SUBMITTED: 04Dec63 ENCL: 02 SUB CODE: EM, IE

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110007-3

KOBZAR', A.I. (Khar'kov); YANTOVSKIY, Ye.I. (Khar'kov); TOLMACH, I.M. (Khar'kov)

Flow of a two-phase mixture in a channel with varying cross section. Izv. AN SSSR. Energ. i transp. no.4:522-528 Jl-Ag '64.

(MIRA 17:10)

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ACCESSION NR: AP4041641 S/0281/64/000/003/0363/0369

AUTHOR: Dronnik, L. M. (Khar'kov); Tolmach, I. M. (Khar'kov)

TITLE: Flow of an electroconductive liquid in a travelling magnetic field with a discontinuous distribution of velocity through the cross section of the channel

SOURCE: AN SSSR. Izvestiya. Energetika i transport, no. 3, 1964, 363-369

TOPIC TAGS: hydromechanics, molten metal flow, conducting liquid flow, flow velocity distribution, travelling magnetic field, Joule loss, induction pump, laminar flow, turbulent flow

ABSTRACT: The authors note that in problems dealing with the planar flow of an electroconductive liquid in a travelling magnetic field, it is normally either assumed that the velocity is constant over the cross section along the entire channel, or the velocity distribution through the cross section is considered for laminar flow. In actual practice, however, it is more frequently necessary to deal with turbulent flow caused by a discontinuous velocity distribution. Consideration of this velocity profile over the cross section of the channel results in different values for electromagnetic power, Joule's losses and efficiency, the computation of which is of great interest, for example, in the design of induction pumps for liquid metals. In the present paper, the authors consider the planar flow of

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