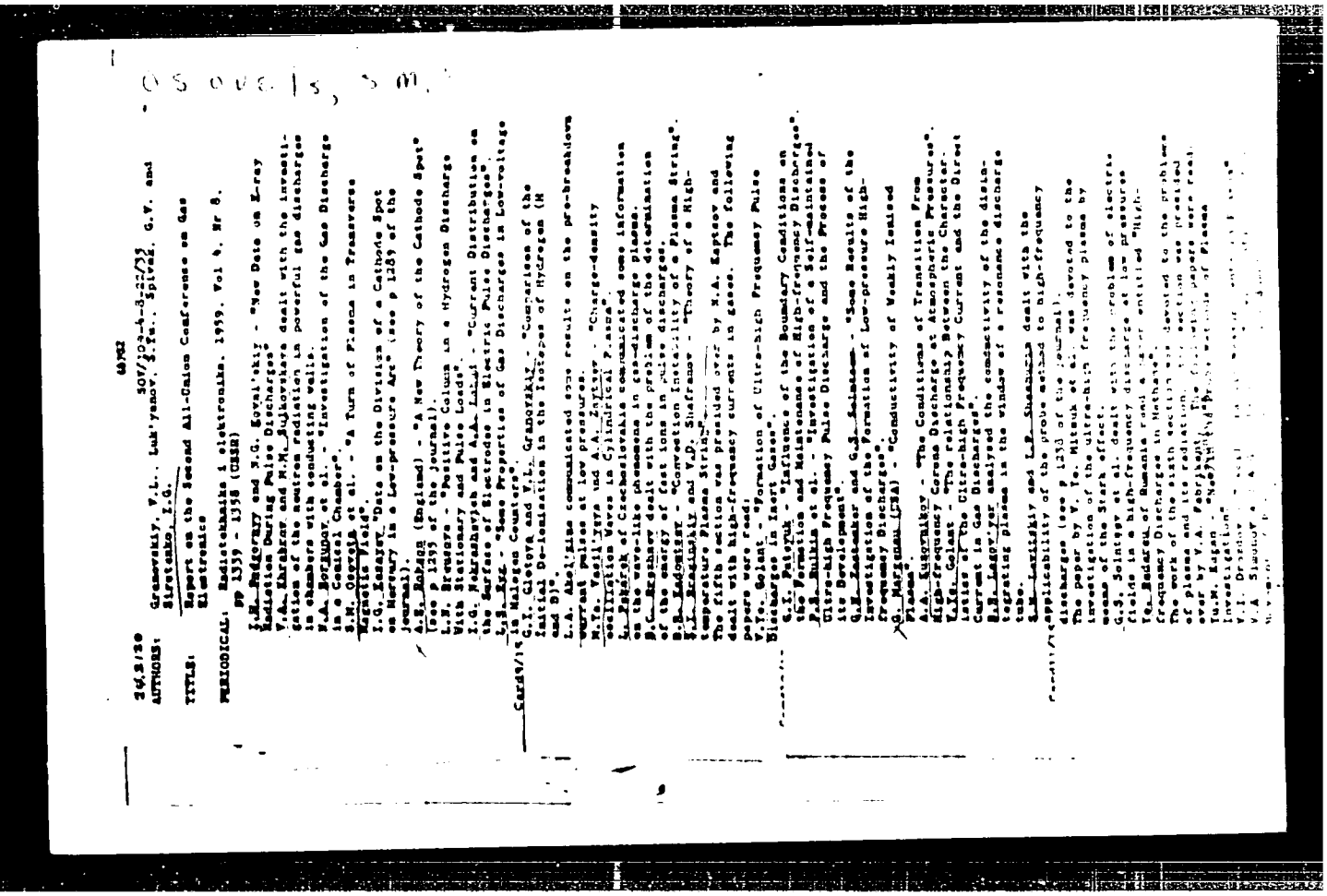

BORZUNOV, N.A.; ORLINSKIY, D.V.; OSOVETS, S.M.

Investigation of a powerful pulse discharge in conical chambers.
Zhur.eksp. i teor.fiz. 36 no.3:717-726 Mr '59. (MIRA 12:5)
(Electric discharges)

93179
S/056/60/039/002/016/044
B006/B056

24.2321
24.2120

AUTHOR: Osovets, S. M

TITLE: Dynamic Stabilization of a Plasma Ring

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiz [illegible]
Vol. 39, No. 2(8), pp. 311-316

TEXT. In an earlier paper (Ref. 1) the author already showed that [illegible] magnetic field of a certain structure a current-carrying plasma ring may be in stable equilibrium. The equilibrium conditions set up [illegible] lead to a relation between the magnetic field strength on the equilibrium orbit and the mean field strength which produces the plasma ring. These conditions hold for displacements of the plasma ring as a whole or for changes in the ring radius without changing the shape. As is known, plasma rings through which a current passes, are, however, unstable with respect to distortions of shape. The author here investigates the possibilities of stabilizing the plasma ring against disturbances leading to distortions of shape for the case that the wavelengths of the disturbances are great as compared to the radius r_0 of the cross section of the

Card 1/3

Dynamic Stabilization of a Plasma Ring

ring (the ring itself is assumed to have the radius R). It is first shown that for $2\pi R/\lambda > 1$ the simultaneous satisfying of the stability conditions in the horizontal and in the vertical is, as such, not possible. The shape of the H-field is shown in a schematical drawing. In order to change the field in the manner as characterized by a broken line, and thus to bring about stability, the author suggested a method which he calls "dynamic stabilization". The field shape is periodically changed near the state of equilibrium in such a manner that the H-curve has the shape given by the solid curve during half a period, while it has the shape given by the broken line during the other half. H may approximately be represented within the region of the plasma ring by $H = H_0 + \left[H_\sim + (R-R_0)(\partial H/\partial R)_\sim\right]$ s

Here, H_0 is the field component which is constant with respect to space and time, $H_\sim$ denotes that of the spatially constant and time-variable field, $(\partial H/\partial R)_\sim$ - the amplitude of the rate of spatial change in the variable field component, R - the current coordinate, and R_0 - the equilibrium radius of the orbit. Jeffreys(Ref. 3) and P. L. Kapitsa (Ref. 4 found the same equilibrium conditions by employing different methods. They result in satisfying the inequality $a^2\omega^2 > 2gL$ (L - length of the

Card 2/3

Dynamic Stabilization of a Plasma Ring

S/056/60/039/002/016/041
B006/B056

pendulum, a - oscillation amplitude of the point of suspension, in order to warrant convergence of the solution of the equation of motion [illegible] the system investigated by the author $a/L \ll 1$ is required as an additional condition. Thus, the following expression is obtained for the frequency of the stabilizing field:

$\omega \gg \frac{4}{a} \frac{T}{\sqrt{[illegible]}} v_m$ is the thermal ion velocity. For the radial rate of change of the magnetic field one obtains $|dH/dR| \gg \frac{1}{\lambda}$ [illegible]

[illegible] current in the plasma ring). These conditions are discussed briefly a practical example is given. There are 1 figure and 5 references: 4 Soviet and 1 British.

SUBMITTED December 29, 1959

Card 3/4

OSOVETS, S.M.

Use of high-frequency electromagnetic fields for plasma confinement and stabilization. Atom. energ. 15 no.4:283-292 O '63. (MIRA 16:10)

L 52955-65 EWT(1)/EPF(n)-2/EWG(m)/EPA(w)-2 Pz-6/Po-4/Pab-10/Pi-4 IJP(c)
WW/AT

ACCESSION NR: AP5010500 UR/0056/65/048/004/1071/1076

AUTHOR: Osovets, S. M.; Sinitsyn, V. I.

TITLE: Dynamic stabilization of a plasma pinch

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 48, no. 4, 1965, 1071-1076

TOPIC TAGS: plasma pinch, dynamic stabilization, plasma stability, high frequency plasma stabilization

ABSTRACT: Experiments are described, in which dynamic stabilization of a pinch carrying currents up to 10^5 A has been observed in a hydrogen plasma. The experimental apparatus is shown in Fig. 1 of the Enclosure and consists of a main dis- [illegible] stabilizing circuit. The parameters of the main circuit are

operation can be shifted relative to the initiation of the main discharge by

Card 1/3

L 52955-65

ACCESSION NR: AP5010500

specified time interval for optimum stabilization. The placement of the stabilizing rods inside the chamber (close to the pinch) represents an attempt to extend the range of dynamic stabilization to higher values of the current. By means of a high-speed framing camera and magnetic probes, it was established that the instabilities inherent to a current-carrying pinch are inhibited if certain conditions with respect to long perturbations are satisfied. These conditions were formulated

thanks A. M. Andrianov for valuable advice and useful discussions." Orig. art. has: 7 figures and 2 formulas.

ASSOCIATION: None

SUBMITTED: 23Nov64 ENCL: 01 SUB CODE: ME

NR REF SOV: 004 OTHER: 001

Card 2/3

L 52955-65

ACCESSION NR: AP5010500 ENCLOSURE: 01

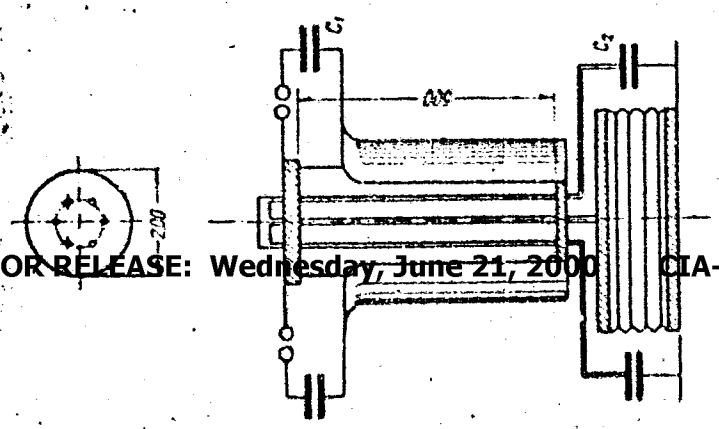

Fig. 1. Diagram of installation

Card 3/3

BORZUNOV, N.A.; KUZ'MINA, N.Ya.; NEVYAZHSKIY, I.Kh.; OSOVETS, S.M.; PETROV, Yu.F.; POLYAKOV, B.I.; POPOV, I.A.; KHODATAYEV, K.V.; SHIMCHUK, V.P.

Studying a plasma on a traveling wave setup. Dokl. AN SSSR 1[illegible] (MIRA 1[illegible])
no.3:581-584 S '63.

1. Predstavleno akademikom A.L.Mintsem.

OSOVETSKAYA, T.M.

Treatment of hypertension and other disorders of the vascular tonus under conditions of the mountain climate at the Aktash Sanatorium. Sport.trud.Vses.nauch.-issl.inst.kur. i fizioter. 17:72-83 '62. (MIRA 17:7)

MARJAI, Gyula; OROSZLANY, Istvan; WELLISCH, Peter

Determining the rate of water application in furrow irrigation. Vizugyi kozl no.2:205-229 '58.

1. Ontozesi es Rizstermesztesi Kutato Intezet Kulturtechnikai Osztalya.

SAVARTSEV, A.; KANTARIYA, A.; DOBARIN, B.; YEVLENT'YEV, N., (selo Yegorkino Oktyabr'skogo rayona, Tatarskoy ASSR), OSOTKIN (g.Tyumen'); SHCHERBAKOV (g.Tyumen'); YERDAKOV (g.Tyumen'); VASIL'YEV (g.Tyumen'); RESHETNIK (Tyumen').

In radio clubs of the country. Radio no.12:11-12 D '58.
(MIRA 11:12)

1. Predsedatel' soveta Ryazanskogo radiokluba Dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu (for Savartsev). 2. Nachal'nik Kuybyshevskogo oblastnogo radiokluba Dorbovol'nogo obshchestva sodeystviya armii, aviatsii i flotu (for Kantariya). 3. Nachal'nik radiokluba (for Osotkin). 4. Starshiy insh.radiokluba (Shcherbakov). 5. Nachal'nik uchebnoy chasti (for Yerdakov). 6. Chleny radiokluba (for Vasil'yev, Reshetnik).

(Radio clubs)

SAVARTSEV, A.; KANTARIYA, A.; DOBARIN, B.; YEVLENT'YEV, N., (selo Yegorkino Oktyabr'skogo rayona, Tatarskoy ASSR), OSOTKIN (g.Tyumen'); SHCHERBAKOV (g.Tyumen'); YERDAKOV (g.Tyumen'); VASIL'YEV (g.Tyumen'); RESHETNIK (Tyumen').

In radio clubs of the country. Radio no.12:11-12 D '58.
(MIRA 11:12)

1. Predsedatel' soveta Ryazanskogo radiokluba Dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu (for Savartsev). 2. Nachal'nik Kuybyshevskogo oblastnogo radiokluba Dorbovol'nogo obshchestva sodeystviya armii, aviatsii i flotu (for Kantariya). 3. Nachal'nik radiokluba (for Osotkin). 4. Starshiy inzh.radiokluba (Shcherbakov). 5. Nachal'nik uchebnoy chasti (for Yerdakov). 6. Chleny radiokluba (for Vasil'yev, Reshetnik).

(Radio clubs)

OSOSIOWICZ, J.

Iron wire for heaters.

p. 202 (Wiadomosci Elektrotechniczne) Vol. 17, no. 8, Aug.1957, Warszawa, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, Vol. 7, NO. 1, JAN. 1958

LEVENDEYEV, A.F., inzh. (g.Khar'kov); OSOVETS, I.V., inzh. (g.Khar'kov); KALNIN, O.Zh., inzh. (g.Khar'kov)

Trenchless laying of city gas pipelines. Stroi. truboprov. 4 no.4: 23-26 Ap '59. (MIRA 12:7)
(Gas, Natural--Pipelines)

OSOVETS, I.V., inzh.; KALNIN, O.Zh.

Fully mechanized flow lines for insulating pipes.
Mont.i spets.rab.v stroi. 22 no.9:18-21 S '60.
(MIRA 13:8)

1. Trest Ukrgorgazstroy.
(Gas pipes) (Insulating materials)

OSOVETS, I.V., inzh.; KALNIN, O.Zh., inzh.

Horizontal boring machine for trenchless laying of pipes. Mont. i spets. rab. v stroi. 22 no.12:14-15 D '60. (MIRA 13:11)

1. Trest Ukrgorgazstroy.
(Pipelines) (Boring machinery)

L4(9)

AUTHORS: Levendeyev, A.F., Osovets, I.V., Kalnin, [illegible]

TITLE: Method of Trenchless Gas Pipeline Laying in Cities (Opyt bestransheynoy prokladki gorodskikh gazoprovodov)

PERIODICAL: Stroitel'stvo truboprovodov, 1959, Nr 4, pp 23-2 (USSR)

ABSTRACT: The Ukrgorgazstroy has developed two methods of underground pipe laying without digging of trenches,-one by piercing and the other by drilling. After a pit has been dug in which the machine is placed, the piercing is done by means of a mechanism operated by hand, which drives a cone shaped tool in horizontal direction through the soil, the movement being brought about by a screw spindel with ratchet gearing actuated by a hand lever. This machine designed by L.I. Chechel'nitskiy is intended for pipes up to 150 mm in diameter, it has a capacity of 3m/hr and requires 2 attendants. Each movement to and fro of the lever pushes the pipe with the cone-shaped end piece 3 mm further into the soil. The other model, a horizontal boring machine also designed by L.I. Chechel'nitskiy, is intended for pipes up to 500 mm; it consists of a frame, a cutter, a carriage with mounted

Card 1/2

OSOVETS, S.M.

[Dynamic stabilization of a plasma filament] Dinamicheskaia stabilizatsiia plazmennogo vitka. Moskva, In-t atomnoi energii, 1959. 10 p. (MIRA 16:12)
(Plasma (Ionized gases))

OSOVETS, S.M.

Some statistical laws governing the writing of letters. Dokl.AN SSSR 145 no.4:735-736 Ag '62. (MIRA 15:7)

1. Predstavleno akademikom L.A.Artsimovichem.
(Writing) (Topology)

SHATOV, V.A., kandidat meditsinskikh nauk; GUKHMAN, Ye.L.; OSOVETS, TS.O.; TRITSKEVICH, A.N.

Experience in treating chronic gonorrhea in women by intracutaneous injection of a mixture of novocaine, penicillin, gonovaccine and methylene blue. Vest.ven. i derm. 30 no.4:33-37 Jl-Ag '56. (MLRA 9:10)

1. Iz ukrainskogo nauchno-issledovatel'skogo kozhno-venerologicheskogo instituta (dir. - prof. A.M.Krichevskiy)

(GONORRHEA, ther.
procaine, penicillin, gonovaccine & methylene blue)
(PENICILLIN, ther. use
gonorrhea, procaine penicillin with gonovaccine & methylene blue)
(METHYLENE BLUE, ther. use
gonorrhea, with procaine penicillin & gonovaccine)

OSOVETSKAYA, TSilya Moiseyevna; GAFUROV, Kadyr Khasanovich; DETENGOF, F.P., prof., zasl. deyatel' nauki Uzbekskoy SSR; TRET'YAKOVA,N., red.; AGZAMOV, K., tekhn. red.

[Occupational therapy and the cardiovascular system in mental illnesses with a chronic course]Trudoterapiia i serdechno-sosudistaia sistema pri psikhicheskikh zabolevaniiakh s khronicheskim techeniem. Tashkent, Medgiz UzSSR, 1962. 108 p. (MIRA 16:3)

(OCCUPATIONAL THERAPY) (MENTAL ILLNESS)
(CARDIOVASCULAR SYSTEM)

OSOVETSKIY

POLAND/ Microbiology. General Microbiology F-1

Abs Jour : Ref Zhur - Biol., No 2, 1958, No 5085

Author : Pakula, Osovetskiy, Yeysymont

Inst : Not given

Title : Isolation and Purification of Hyaluronidase of Hemolytic Streptococcus Group C.

Orig Pub : Med. doswiad. i mikrobiol., 1957, 9, No 2, 189-194

Abstract : Of 30 strains of hemolytic streptococci Groups A, B, C and D, the most active one is a strain of Group C which forms hyaluronidase with an activity of 100-120 units per ml of medium containing extract of heart muscle, partly purified of protein, liver extract, peptone, glucose, and mineral salts.

Card : 1/1

OSOVETSKIY, M.A.; OBNOSOVA, A.D.

TLZ emulsifying agent. Lakokras.mat. i ikh prim. no.1:82 '60.
(MIRA 14:4)

(Emulsifying agents)

BODNYA, M.D.; OSOVETSKIY, M.A.

Possibility of using bitumen as a solution for the production of black lacquers. Lakokras.mat.i ikh prim. no.1:71-72 '63. (MIRA 16:2)

1. Tashkentskiy lakokrasochnyy zavod.
(Paint materials)
(Bituminous materials)

BODNYA, M.D.; BARANOVSKAYA, G.M.; OSOVETSKIY, M.A.; OBNOSOVA, A.D.; SALKOVA, M.M.

Replacing hydrolysis alcohol with synthetic alcohol in the production of spirit varnishes for furniture. Lakokras. mat. i ikh prim. no.3:65-66 '61. (MIRA 14:6)
(Varnish and varnishing)

ZABRODSKIY, A.G.; KAL'NINA, V.E.; OSOVIK, A.N.

Development of the technology for the growing of yeast feeds on a mixture of molasses stillage and hydrolyzates. Trudy UkrNIISP no.9:72-81 '64. (MIRA 17:10)

OSOVIK, A.N.

Production of yeast feeds. Ferm. i spirt. prom. 30 no.2: 37-38 '64. (MIRA 18:2)

OSOVIK, B.A., inzhener; KLINTON, M.P., kandidat tekhnicheskikh nauk.

Use of slag and ashes of an electric power plant in modern building. Mek.sta. 25 no.8:30-32 Ag '54. (MLRA 7:9)
(Building materials)

GROBOKOPATEL', S.B., inzhener; OSOVIK, B.A., inzhener; ELIZON, M.P., kandidat tekhnicheskikh nauk; POPOV, L.N., kandidat tekhnicheskikh nauk.

Producing porous aggregates for lightweight concretes. Gor.khoz. Mosk. 30 no.4:21-24 Ap '56. (MLRA 9:8)
(Lightweight concrete)

SLOBODYANIK, Ignat Yakovlevich [Slobodianyk, I.IA.], kand.tekhn.nauk; PASHKOV, Igor' Aleksandrovich [Pashkov, I.O.], kand.tekhn.nauk; CHUPRUNENKO, Yekaterina Vasil'yevna [Chuprunenko, IE.V.], kand. tekhn.nauk; CHERKASOV, Nikolay Antonovich [Cherkasov, M.A.], kand. tekhn.nauk; LYSINA, Nina Borisovna, inzh.; RUBINOVICH, Esfir' Abramovna, inzh.; PAL'CHIK, Petr Karpovich, inzh.; LITVINENKO, Melan'ya Dmitriyevna, inzh.; SVARICHEVSKIY, Lyubomir Vladimirovich [Svorycheve'kyi, L.V.], inzh.; OSOVSKAYA, I. [Osove'ka, I.], red.; ZELENKOVA, Ye. [Zelenkova, IE.], tekhn.red.

[Local binding materials based on new raw materials of the Ukraine] Mistsevi v'iazhuchi na novii syrovyni Ukrainy. Za zahal'noiu red. I.IA.Slobodianyka. Kyiv, Derzh.vyd-vo lit-ry z budivnytstva i arkhit.URSR, 1960. 115 p. (MIRA 13:10)
(Ukraine--Binding materials)

KORNILOVICH, Yuriy Yevgen'yevich; OSOVSKAYA, I., red.; VOLOSHCHENKO, Z., red.; ZHLEBNIKOVA, Ye., tekhn.red.

[Testing the strength of mortars and concretes] Issledovaniia prochnosti rastvorov i betonov. Kiev, Gos.izd-vo lit-ry po stroit. i arkhit. USSR, 1960. 233 p. (MIRA 13:12)
(Mortar--Testing) (Concrete--Testing)

KONIRAT'YEV, Sergey Fedorovich; SADOVNIKOVA, Tat'yana Akimovna; OSOVSKAYA, I., red.; NEMCHENKO, I., tekhn.red.

[Protecting wood against decaying fungi and beetles] Zashchita drevesiny ot gnieniia i razrusheniia zhukami. Kiev, Gos.izd-vo lit-ry po stroit. i arkhit.USSR, 1959. 197 p. [___Tables for visual determination of defects in wood] ___Tablitsy dlia visual'nogo opredeleniia porokov drevesiny. 16 plates.
(MIRA 13:4)

(Wood preservation)

DOL'SKIY, Yevgraf Yevgen'yevich; GORLENKO, Boris Sergeyevich; OSOVSKAYA, [illegible] red.; NEMCHENKO, T., tekhn.red.

[Axonometric projection] Aksonometricheskie proektsii. Kiev, Gos.izd-vo lit-ry po stroit. i arkhit. USSR, 1959. 187 p. (MIRA 12:12)

(Axonometric projection)

STEPANOV, Boris Vladimirovich; DANILKINA, I., red.; OSOVSKAYA, I., red.; ZELENKOVA, Ye., tekhn.red.

[Booklet for master workers on making precast reinforced concrete] Pamiatka mastera po sbornomu zhelezobetonu. Kiev, Gos.izd-vo lit-ry po stroit. i arkhit.USSR, 1959. 200 p. (MIRA 12:9)
(Precast concrete)

KHUTORYANSKIY, Mikhail Semenovich, kand.tekhn.nauk; OSOVSKAYA, I.V., red.; ZELENKOVA, Ye.Ye., tekhn.red.

[Economizing materials in construction] Ekonomiia materialov v stroitel'stve. Kiev, Gos.izd-vo lit-ry po stroit. i arkhit. USSR, 1959. 233 p. (MIRA 12:8)
(Building materials)

SIV[illegible]OVA, [illegible] [S[illegible]v[illegible]kova, [illegible]], [illegible] tekhn. nauk; O[illegible]VSKAYA, I.V. [Osovs'[illegible], I. [illegible]]

[illegible] qualitative character-istic[illegible] of [illegible] Leg. prom. no.3:30-33 [illegible]

[illegible] (MIRA 1[illegible]:1[illegible])

KOMSKAYA, M.S. [Koms'ka, M.S.], kand. tekhn. nauk; OSOVSKAYA, I.V. [Osovs'ka, I.V.]; KHIMICHENKO, A.G. [Khimichenko, A.H.]; SHKOL'NIK, A.Ya. [Shkol'nyk, H.IA.]

Possibility of using substitutes for Prosyanaya kaolin in the multicomponent composition for porcelain. Leh. prom. no.1:65-67 Ja-Mr '65. (MIRA 18:4)

RYBALKO, A.T.; KAPUSTYANSKAYA, V.G.; OSOVSKIY, A.I.

Operational experience with coal centrifuging machines at the Komsomolets Central Coal Preparation Plant. Koks i khim. no.5:14-16 '60. (MIRA 13:7)

1. TSentral'naya obogatitel'naya fabrika Komsomolets. (Stalino (Stalino Province)--Coal preparation)

L 40241-66 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l) BC

ACC NR: AP6021402 SOURCE CODE: UR/0103/66/000/006/0204/0224

57
58
B

AUTHOR: Maslov, Ye. P. (Moscow, Voronezh); Osovskiy, L. M. (Moscow, Voronezh)

ORG: none

TITLE: Self-adaptive control systems with a model

14

SOURCE: Avtomatika i telemekhanika, no. 6, 1966, 204-224

TOPIC TAGS: self adaptive control, servomechanism system, stochastic process, automatic control theory

ABSTRACT: In this paper the authors discuss the basic problems encountered in the theory of self-adaptive control systems which incorporate a model for simulation. Also analyzed are various problems in the analysis and synthesis of these systems. A review is presented of 144 Soviet, U.S., British, German, French, Japanese and other works. Among the problems discussed are: the selection of the model structure, criteria to be used in the comparison of the actual object with the model, deterministic methods for the analysis and synthesis of systems having a linear plant (including the method of induced artificial perturbation of the model parameters), deterministic methods for nonlinear system analysis and synthesis, and statistical methods of model-inclusive system analysis and synthesis. The authors wish to express

Card 1/2 UDC: 62-506.1

45585

S/103/63/024/002/006/020
D201/D308

AUTHOR: Osovskiy, L.M. (Moscow)

TITLE: Linear self-adapting models with phase characteristic adjustment

PERIODICAL: Avtomatika i telemekhanika, v. 24, no. 2, 1963, 172-182

TEXT: The author considers the theoretical and experimental problems arising in selecting the controlled parameters of a self-adapting linear model according to its phase characteristics and using the trial signals of the type

$$R = R_0 + \sum_{i=1}^{N} R_k \sin \omega_k t,$$

where N - the number of points required for the determination of the phase characteristic. The problem is to find therefore whether it is possible to determine uniquely the discrepancy between the real

Card 1/2

Linear self-adapting models ...

object and the model parameters from small magnitudes of discrepancies between their phase characteristics. This is shown to be possible in the case where the numerator of the transfer function of the object is not equal to unity. Conclusions for a second-order self-adapting system: 1) The autocorrelation methods make it possible, in principle, to obtain the values of mismatch between the phase characteristics of both the object and model simultaneously at two points, with an accuracy adequate for design requirements. 2) The self-adaptation of the model parameters, expressed as significant terms of the operator polynomial, is autonomous within a wide range of initial discrepancies between the model and object parameters. 3) The accuracy and the speed of self-adaptation of the model parameters is limited by the amplitude of the variable component applied to the integrating unit. There are 4 figures.

SUBMITTED: July 16, 1962

Card 2/2

OSOVSKIY, L.M. (Moskva)

Self-adjusting models. Izv. AN SSSR. Otd. tekh. anuk. Tekh. kib. no.1:130-138 Ja-F '63. (MIRA 16:7)

(Automatic control)
(Electromechanical analogies)

S/103/63/024/003/008/015
D405/D301

AUTHOR: Osovskiy, L.M. (Moscow)

TITLE: On a class of nonlinear adaptive models with phase- and amplitude characteristics adaptation

PERIODICAL: Avtomatika i telemekhanika, v. 24, no. 3, 1963, 369-382

TEXT: A class of nonlinear objects (plants) is considered which permits representing the parameters which do not depend on the statical characteristics of the object in terms of the phase-frequency characteristics (PhFCh) of the second harmonic, and the other parameters (which depend on the statical characteristics) - in terms of the amplitude-frequency characteristics (AFCh) of the first and second harmonic. The PhFCh of the second harmonic is defined as the dependence (on the frequency of the first harmonic) of the difference between the initial phases of the second harmonic signals at the object output and the corresponding first harmonic at the object input. The AFCh of the second harmonic is defined as the

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S/103/63/024/003/008/015
D405/D301

On a class of nonlinear ...

dependence (on the frequency of the first harmonic) of the ratio of the second harmonic signal amplitude at the object output to the square of the first harmonic signal amplitude at the object input. The introduction of the second harmonic PhFCh and AFCh enables one to extend the method of designing linear adaptive models with phase characteristic adaptation to the class (important in practice) of nonlinear objects. The problem amounts to ascertaining the possibility of uniquely determining the mismatch of the corresponding parameters of object and model from the mismatch of the second harmonic PhFCh (known at a sufficient number of points). The condition for this is found to be the non-singularity of the matrix $\|\Delta n_1 + n_2\|$ of a system of linear equations. Further, the operation of a nonlinear adaptive model is described. The results of the simulation by such a model are summed up as follows: The correlation methods (tested by means of the model) enable one in principle to obtain simultaneously at two points the values of the mismatch of the second harmonic phase-characteristics of the nonlinear object and of the model with an accuracy which is sufficient in practice; the same applies to the mismatch of the amplitude characteristics. The

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On a class of nonlinear ...

controlled parameters of the model converge to the corresponding parameters of the object over a wide range of initial mismatch between parameters. The accuracy and speed of response in the model are limited by the amplitude of the variable component which passes through the integrator from the multiplier loop (causing undesirable model-parameter fluctuations). A theorem is proved on the non-singularity of the matrix $\| A n_1 + n_2 \|$. There are 7 figures.

SUBMITTED: August 2, 1963

Card 3/3

GOSTEVSKIKH, V.F., tonnel'nyy master; [illegible], P.M., tonnel'nyy master

Preventing defects in tunnels. Put' i put. khoz. [illegible] no.[illegible] ([illegible]65.
([illegible] 18:[illegible])

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

OSOVSKIY, V.N., uchitel'

Using students' knowledge of physics and mathematics in grade seven and eight of chemistry lessons. Khim. v shkole 17 no.2: 43-45 Mr-Ap '62. (MIRA 15:3)

1. Srednyaya shkola No.14, g.Bardichev.
(Chemistry--Study and teaching)

[redacted], M., OSOWSKII, Ye.

Some problems of vocational education in the German Democratic Republic. Prof.-tekh. obr. 21 no.12:29-31 D '64. (MIRA 18:2)

OSOVSKIY, Yu.

Efficient form of propaganda. Voen. znan. 39 no.12:27 D '63. (MIRA 17:1)

1. Nachal'nik shkoly grazhdanskoy oborony, Slutsk, BSSR.

KOVALEVSKAYA, I.L.; EPSHTEYN-LITVAK, R.V.; DMITRIYEVA-RAVIKOVICH, Ye.M.; KURNOSOVA, N.A.; SHCHEGLOVA, Ye.S.; FERDINAND, Ya.M.; KHOMIK, S.R.; MAKHLINOVSKIY, L.P.; PETROVA, S.S.; GOLUBOVA, Ye.Ye.; GONCHAROVA, Z.I.; SARMANEYEV, A.P.; SIZINTSEVA, V.P.; Prinimali uchastiye: MEDYUKHA, G.A.; OSOKINA, L.A.; RACHKOVSKAYA, Yu.K.; OSOVTSEVA, O.I.; DEDUSENKO, A.I.; KOVALEVA, P.S.; KARASHEVICH, V.P.; CHEBOTAREVICH, N.D.; CHIGIR', T.R.; SKUL'SKAYA, S.D.; KECHETZHIYEV, B.A.; DEMINA, A.S.; ZUS'MAN, R.T.; YESAKOV, P.I.; SYSOYEVA, Z.A.; ZINOV'YEVA, I.S.; FAL'CHEVSKAYA, A.A.; DENISOVA, B.D.; TIMOFELEVA, R.G.; SYRKASOVA, A.V.; LYANTSMAN, S.G.

Reactivity and immunological and epidemiological effectiveness of alcoholic typhoid and paratyphoid fever vaccines in school children. Zhur. mikrobiol., epid. i immun. 33 no.7:72-77 Jl '62. (MIRA 17:1)

1. Iz Moskovskogo, Rostovskogo, Omskogo institutov epidemiologii i mikrobiologii, Stavropol'skogo instituta vaktsin i syvorotok i Ministerstva zdravookhraneniya RSFSR. 2. Rostovskiy institut epidemiologii i mikrobiologii (for Kovaleva). 3. Stavropol'skiy institut vaktsin i syvorotok (for Sysoyeva). 4. Kuybyshevskiy institut epidemiologii i mikrobiologii (for Zinov'yeva). 5. Saratovskaya gorodskaya sanitarno-epidemiologicheskaya stantsiya (for Lyantsman).

OSOVTSEVA, P. G.

DUKHANOV, A.Ya.; OSOVTSEVA, P.G.

Penicillin therapy of gonorrhea in girls. Pediatriia no.1:82 Ja-F '54. (MLRA 7:3)

1. Iz urologicheskogo otdeleniya 2-y Leningradskoy gorodskoy detskoy bol'nitsy. (Penicillin) (Gonorrhea)

PAKULA, R.; OSOWIECKI, H.; RYSZMONTT, I.

Development and purification of hyaluronidase produced by a group C Hemolytic Streptococcus. Med. dosw. mikrob. 9 no.2: 189-194 1957.

1. Z Zakladu Mikrobiologii i Higieny A.M. w Warszawie.
(HYALURONIDASE, prep.
develop. & purification of hyaluronidase produced by group C hemolytic Streptoc. (Pol))
(STREPTOCOCCUS
hyaluronidase produced by group C hemolytic Streptoc., develop. & purification (Pol))

OSOWIECKI, Henryk

Studies on staphylococcal desoxyribonuclease. III. Interrelations between staphylococcal synthesis of desoxyribonuclease, coagulase and phosphatase. Med. dosw. mikrob. 14 no.3:193-197 '62.

1. Z Zakladu Mikrobiologii i Higieny AM w Warszawie.
(STAPHYLOCOCCUS metab) (DESOXYRIBONUCLEASE metab)
(PHOSPHATASES metab) (ENZYMES metab)

OSOWIECKI, HENRYK

Mikrobiologia lekarska dla liceow farmaceutycznych.

Warszawa, Poland, Panstwowy Zaklad Wydawn. Lekarskich, 1958, 170 p.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 8, August 1959. Uncla.

OSPANOV, A.

Ospanov, A. On a problem of the theory of finite groups. [Russian. Kazak summary] Izvestiya Akad. Nauk Kazah. SSR. 60, Ser. Mat. Meh. 3, 91–100 (1949).

In connection with the Burnside problem on the existence of a simple group of odd composite order, the author finds there are no such groups when the order has one of the three forms: $p^{\alpha}q^{\beta}s$, $p^{\alpha}q^{\beta}r^{\gamma}s$, $p^{\alpha}q^{\beta}r^{\gamma}s$, where p, q, r, s are distinct odd primes.

R. A. Good (College Park, Md.).

Source: Mathematical Reviews, Vol 13 No 6

KUCZEWSKA, Kazimiera; OSOWSKA, Bogna

A case of tuberculosis of the heart muscle. Gruzlica 29 no.12:1043-1046 D '61.

1. Z III Kliniki Chorob Wewnetrznych AM w Warszawie Kierownik: prof. dr med. E. Kodejszko i z Sanatorium Przeciwgruzliczego im. L. Warynskiego w Otwocku Dyrektor: dr med. P. Zodrow.

(TUBERCULOSIS CARDIOVASCULAR case reports)

OSPANOV, Sholgumbay

[Good wool clips] Za vysokii nastrig sherati. Alma-Ata, Kazakhskoe gos. izd-vo, 1955. 11 p. (MLRA 10:3)
(Dzhambul Province--Sheep)

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S/138/60/000/005/006/01[illegible]
A051/A029

AUTHORS: Nusinov, M.D., Pozin, A.A., Ospovat, R.I., Il'in, N.S

TITLE: On the Relationship Between the Filling of a СКБ (SKB)-Based Rubber Mixture and its Elastic-Viscous Characteristics

PERIODICAL: Kauchuk i Rezina, 1960, No. 5, pp. 21 - 23

TEXT: Carbon black and the softener have the greatest effect on the elastic-viscous characteristics of a rubber mixture due to the higher specific gravity in the volumetric or weight content of the mixture. It was shown (Refs. 1 and 2) that an increase in the degree of filling of the rubber mixture with carbon black decreases the plastic properties of the mixture, and an increase in the softener content leads to an increase in these properties. The changes of each characteristic at different degrees of filling with carbon black and softeners are observed. The behavior of the mixtures in deformations can be predicted based on the data of the changes. The laboratory method for the observations is described (Ref 4). The total deformation obtained in the testing can be divided into elastic and viscous components, from which the elastic or the viscous properties

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A051/A029

On the Relationship Between the Filling of a СКБ(SKB)-Based Rubber Mixture and its Elastic-Viscous Characteristics

can be determined (Ref. 5). Figure 1 is the graphical outline of the experiment. The formulae which were used for the computations are given (Formulae 1 - 7). A highly-filled commercial mixture with a SKB-60 base was chosen as the object of the investigation. As a result of the experimental data obtained several conclusions were drawn: with an increase in the carbon black dosage the characteristic indices increase and with an increase in the softener dosage they decrease. The intensity of the change of the various characteristics varies with an increase in the degree of filling in the mixtures. The plastic viscosity η_2 and the standard of instantaneous elasticity G_2 change most significantly. Both are associated with the intermolecular interaction . The characteristics of the lagging elastic deformation change only slightly in this case. Since the lagging elastic deformation is determined mostly by the elastic properties of the rubber molecule and the individual links and an increase in the degree of filling does not change the rubber substance itself, the value of the characteristic of the lagging elastic deformation changes with it. This fact can be utilized in developing a new method of high-speed control of

OSOWIECKI, H.; DOBRZAŃSKI, W.T.

Test in agar medium for production of deoxyribonuclease by Staphylococci. Bul Ac Pol biol 11 no.2:85-86 '63.

1. Department of Microbiology and Hygiene, School of Medicine, Warsaw. Presented by E. Mikulaszek.

PAKULA, Roman; OSOWIECKI, Henryk; MODZELEWSKA, Danuta

A simple technique for isolation of mutants of Escherichia coli B resistant to ultraviolet radiation. Acta microbiol. Pol. 13 no.2:113-118 '64.

. From the Department of Microbiology and Hygiene, Medical School, Warsaw.

DOBRZANSKI, W.T.; OSOWIECKI, H.; PIATKOWSKA, A.

Antibacterial activity in vitro of nitrofurazone Polfa. Pol. tyg. lek. 19 no.25:955-958 15 Je'64

1. Z Zakladu Mikrobiologii i Higieny Akademii Medycznej w Warszawie; kierownik: prof. dr. R.Pakula.

OSOWIECKI, Henryk; PAKULA, Roman

Studies on staphylococcal desoxyribonucleic acid. IV. Purification and properties of staphylococcal desoxyribonuclease. Med. doświ. mikrobiol. 15 no.1:1-11 '63.

1. Z Zakładu Mikrobiologii i Higieny AM w Warszawie Kierownik: prof. dr R. Pakula.

(DESOXYRIBONUCLEASE) (STAPHYLOCOCCUS) (CHEMISTRY)

OSOWIECKI, Henryk; PAKULA, Roman

Studies on staphylococcal desoxyribonuclease. I. Measurement of the activity of staphylococcal desoxyribonuclease by the viscosimetric method. Med. dośw. mikrob. 14 no.3:173-183 '62.

1. Z Zakladu Mikrobiologii i Higieny AM w Warszawie.
(DESOXYRIBONUCLEASE chem) (STAPHYLOCOCCUS chem)

OSOWIECKI, Henryk; PAKULA, Roman

Studies on staphylococcal desoxyribonuclease. II. Enviromental factors in the production of desoxyribonuclease by Staphylococci. Med. dosw. mikrob. 14 no.3:185-191 '62.

1. Z Zakladu Mikrobiologii i Higieny AM w Warszawie.
(STAPHYLOCOCCUS metab) (DESOXYRIBONUCLEASE metab)

POLAND

OSO[illegible] [illegible] and [illegible]LA, [illegible], Department of Micro-
biology [illegible] Hygiene (Zak[illegible]ad Mikrobiologii i Higieny), [illegible]
(Akadem[illegible] Medyczna, [illegible]) Academy in Warsaw ([illegible]
Prof. [illegible] [illegible])

"Studies [illegible] Staphylo[illegible] [illegible]ase [illegible]ty [illegible] [illegible]nucl ase. IV. Puri-
fication [illegible] Some Properties of Staph[illegible] [illegible] DNA-ase."

Warsaw, [illegible] Medycyna Doswiadczalna [illegible] Mikrobiologia, Vol [illegible],
No 1, [illegible], pp 1-1[illegible].

Abstract. [illegible]uthors' English summary: [illegible] Several methods
were [illegible] [illegible] of staphylococcal DNA-
ase: [illegible] various [illegible], elution, and pre-
cipitation [illegible] acetate and [illegible] acid.
The last [illegible] followed [illegible] precipitation [illegible] with [illegible]acid,
[illegible] the preparation and [illegible] [illegible].
The [illegible] preparations are heat-resistant [illegible] and are activated [illegible]
[illegible] shown [illegible] [illegible]-ase,
some properties [illegible] [illegible] [illegible] appears to have
contain [illegible] [illegible], and [illegible] references
[illegible]

OSI.SKI, F.

GEOGRAPHY & GEOLOGY

OSCWSKI, F. Stan pokrycia obszaru Polski materiałami kartograficznymi Warszawa, Ploska Akademia Nauk, Instytut Geografii, 1955 [illegible] p. (Dokumenta geograficzna, zesz. 10)

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

USTINOV, A.M.; KAREV, N.A.; OSPANOV, G.Zh.

Practice in using skip shafts for mine ventilation. Nauch. trudy KNIUI no.16:168-179 '64. (MIRA 18:7)

OSPANOV, Kh.K.; ROZHDESTVENSKAYA, Z.B.; SONGINA, O.A.

Polarographic study of unithiol on a dropping mercury electrode.
Zhur.anal.khim. 18 no.4:430-434 Ap '63. (MIRA 16:6)

1. S.M.Kirov Kazakh State University, Alma-Ata.
(Propanesulfonic acid) (Polarography)
(Electrodes, Dropping mercury)

SONGINA, O.A.; OSPANOV, Kh.K.; ROZHDESTVENSKAYA, Z.B.

Polarographic study of the electrolytic oxidation of unithiol on a platinum electrode. Zhur. anal. khim. 19 no.2:168-173 '64. (MIRA 17:9)

1. Kazakhskiy gosudarstvennyy universitet imeni Kirova, Alma-Ata.

SONGINA, O.A.; OSPANOV, Kh.K.; ROZHDESTVENSKAYA, Z.B.

Polarographic examination of unithiol on a platinum electrode. Vest. AN Kazakh. SSR 20 no.9:30-35 S '64. (MIRA 17:10)

SOKOLOVA, O.A.; ESPANOV, Kh.K.; ROZHDESTVENSKAYA, Z.B.

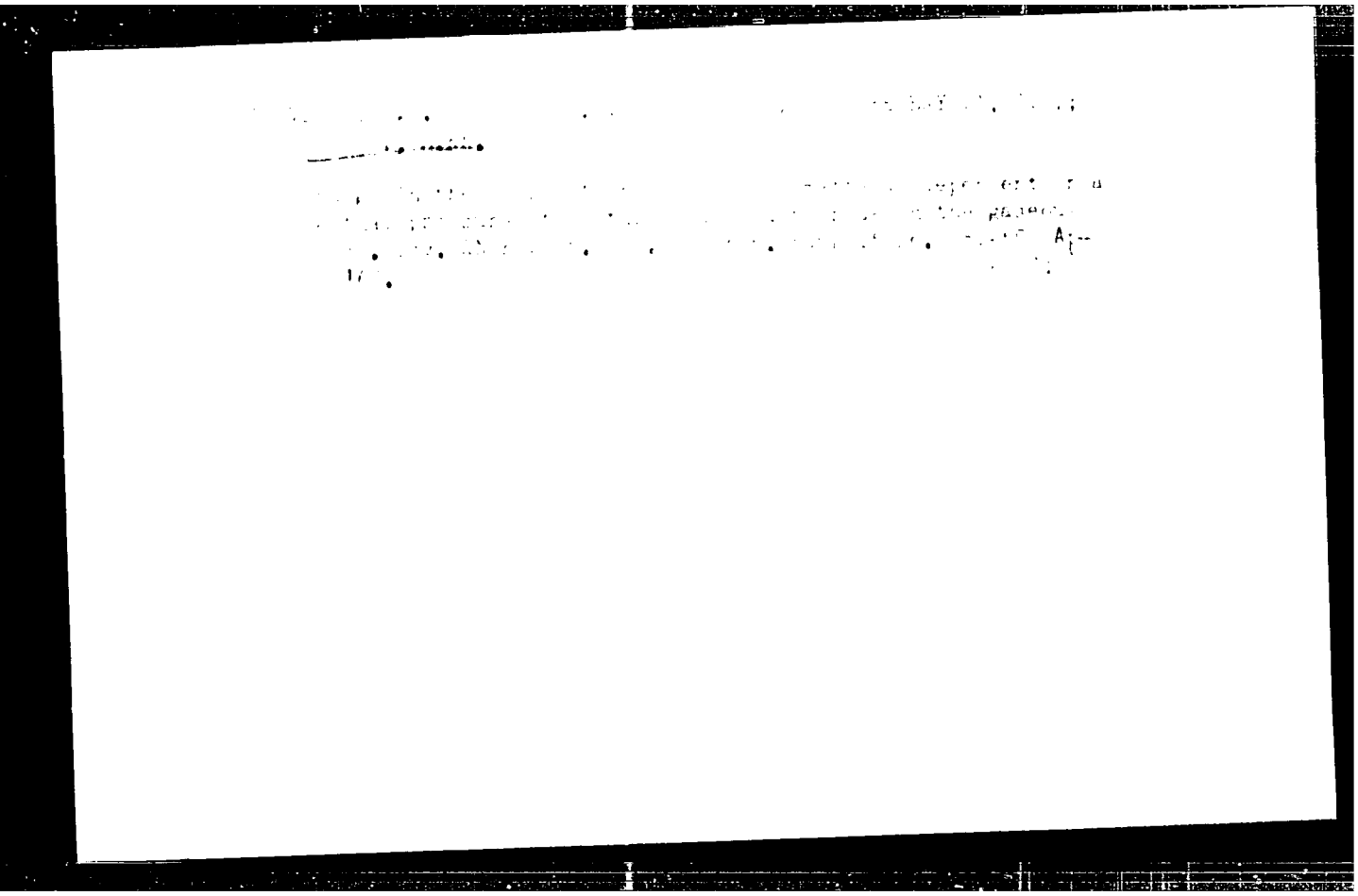
Amperometric titration of gold by an antimonial solution. Zav. lab. 30 no.6:662-663 '64 (MIRA 17:7)

1. Karakhskiy gosudarstvennyy universitet imeni Kirova.

SONGINA, O.A.; OSPANOV, Kh.K.; ROZHDESTVENSKAYA, Z.B.

Amperometric titration of univalent and divalent mercury with a solution of unithiol. Zhur. anal. khim. 20 no.1 55-58 '65. (MIRA 18:3)

1. Kazakhskiy gosudarstvennyy universitet imeni Kirova, Alma-Ata.



DEMCHENKO, V.N. [deceased]; OSPANOV, S.O.

Results of testing some trees and shrubs in the southern Balkhash region. Trudy Inst.bot.AN Kazakh.SSR 17:22-28 '63. (MIRA 17:3)

KAZAKOVA, L., student; PENNER, L., student; OSPANOVA, M., student

Dynamics of the blood pressure of pregnant women according to data from the Simipalatinsk Maternity Home during 1954 to 1955. Trudy Semipal. med. inst. 2:193-201 '59. (MIRA 15:4)

1. Kafedra gospital'noy terapii (zav.kafedroy - doktor med.nauk, prof. R.Ya.Spivak) i kafedra akusherstva i ginekologii (zav.kafedroy - kand.med.nauk A.A.Kozbagarov) Semipalatinskogo gosudarstvennogo meditsinskogo instituta.
(BLOOD PRESSURE) (PREGNANCY)

OSPANOVA, S.I.

Cultivation of sweet clover on the Solonetz soils of Tselinograd Province. Izv. AN Kazakh. SSR. Ser. biol. nauk 3 no.6:37-39 N-D '65. (MIRA 19:1)

SOBOL', S.I.; NELEN', I.M.; SPIRIDONOVA, V.I.; BERLIN, Z.L; GORYACHKIN, V.I.; TARAKANOV, B.M.; SHKURSKIY, V.D.; Prinimali uchastiye: FREYMAN, A.K., inzh.; BRUK, B.M., inzh.; CHEBOTKEVICH, G.V., inzh.; OSPIN, V.G., inzh.; ALEKSANDROVA, N.N., laborant; SALTYKOV, I.B., laborant; TELKOVA, Ye.I., laborantka; TEPLYAKOV, Yu.M., laborant; GAVRILENKO, A.P., slesar'; KURGUZOV, A.S., elektrik; GAVRILOV, I.T., elektrik

Pilot-plant testing of the State Institute of Nonferrous Metals flow sheet for the autoclave retreatment of copper-molybdenum intermediate products. Sbor. nauch. trud. Gintsvetmeta no.19:319-339 '62. (MIRA 16:7)

(Nonferrous metals--Metallurgy)
(Leaching)

1. OSPISHCHEV, A. I.

2. USSR (600)

4. Motor Trucks

7. Our answer to comrade P.M.Ort.
Sakh.prom. 26 No.10,1952

9. Monthly List of Russian Accessions, Library of Congress, January 1953, Unclassified.

TSYPKINA, M.N.; OSPISHCHEVA, M.V.

Production of extrastrong sulfite pulp. Bum.prom. 35 no.10:8-10 O '60. (MIRA 13:10)

1. Vsesoyuznyy nauchno--issledovatel'skiy institut tsellyulozno-bumazhnoy promyshlennosti.
(Woodpulp)

SOV/81-59-10-35[illegible]

Translation from: Referativnyy zhurnal. Khimiya, 1959, Nr 10, p 322 (USSR)

AUTHOR: Ospodov, G.D.

TITLE: The Experience of the Artemovsk Ceramic Pipe Plant on the Burning of Pipes in Tunnel Furnaces

PERIODICAL: Tr. Soveshchaniya po intensifik. raboty tunnel'n. pechey na z-dakh stroit. keramiki, 1956. Moscow, Gosstroyizdat, 1958, pp 96-97

ABSTRACT: The article has not been reviewed.

Card 1/1

OSPOVAT, B.L.

Current methods for the treatment of visceral actinomycosis.
Klin.med. 38 no.6:11-18 Je '60. (MIRA 13:12)
(ACTINOMYCOSIS)

OSPOVAT, B.L.

In memory of Professor P.D. Solovov. Khirurgiia 37 no.2:145-146 F '61. (MIRA 14:1)
(SOLOVOV, PETR DMITRIEVICH, d.1940)

Ospovat, B.L.

OSPOVAT B. L.

Nekotorye soobrazheniia o ratsional'nom primenenii penitsillina pri gnoinykh zabolevaniiakh. [Certain considerations on the rational administration of penicillin in suppurative diseases.] Khirurgiia, Moskva No. 6 June 51 p. 20-4.

1. Of the Surgical Clinic (Director—Prof. A. D. Ochkin), Central Institute for the Advanced Training of Physicians.

OSPOVAT, B. L.

USSR/Medicine - Antibiotics Jan 51

"Treatment of Visceral Actinomycosis by Administration of Penicillin Combined With Injections of Erythrocytic Mass," B. L. Ospovat, Moscow, 3d Chair of Clinical Surg Cen Inst for Advanced Tng of Physicians.

"Klin Med" Vol XXIX, No 1, pp 49-54

Obtained good results by applying this type of treatment in cases of visceral and generalized actinomycosis.

186T73

OSPOVAT, Boris L'vovich; DEKHTYAR', Ye.G., red.; MIRONOVA, A.M., tekhn.red.

[Actinomycosis of the lungs] Aktinomikoz legkikh. Moskva, Medgiz, 1963. 265 p. (MIRA 16:6)
(ACTINOMYCOSIS) (LUNGS--DISEASES)

OSPOVAT, B. I.

Therapy of suppurative wounds. Med. sestra, Moskva no. 12:8-13 Dec 1952. (CIML 23:3)

1. Order of Lenin Clinical Hospital imeni S. P. Botkin.

OSPOVAT, B.L.

[Subdiaphragmatic abscess; clinical aspects, diagnosis, therapy] Poddiafragmal'nyi abstsess; klinika, diagnostika, lechenie. Moskva, Medgiz, 1956. 106 p. (MLRA 9:6)
(DIAPHRAGM--ABSCESS)

SHARINOVA, S.A.; OSPOVAT, B.L.

Psychotic conditions as a symptom of acute pancreatitis. Sov.med. 25 no.2:133-136 F '61. (MIRA 14:3)

1. Iz psikho-somaticheskogo otdeleniya (zav. G.Ya.Tartakovskiy) bol'nitsy imeni S.P.Botkina (glavnyy vrach - prof. A.N.Shabanov).
(PANCREAS--DISEASES) (PSYCHOSES)

NUSINOV, M.D.; POZIN, A.A.; OSPOVAT, R.I.; IL'IN, N.S.

Relation between the filling of a rubber mixture, based on butadiene-styrene rubber, and its viscoplastic characteristics. Kauch.i rez. 19 no.5:21-23 My '60. (MIRA 13:7)

1. Nauchno-issledovatel'skiy institut rezinovykh i lateksnykh izdeliy i Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M.V.Lomonosova.
(Rubber, Synthetic)
(Fillers)

OSPOVAT, R.M.; MOROZ, R.I.

Botkin's disease in pregnant women. Sov.med. 21 Supplement:24 '57.
(MIRA 11:2)

1. Iz akusherako-ginekologicheskoy kliniki i kliniki propedevtiki vnutrennikh bolezney Khabarovskogo meditsinskogo institute.
(HEPATITIS, INFECTIOUS)
(PREGNANCY, COMPLICATIONS OF)

OSREDKAR, M

Distr: 4E3c/4E3d 19

✓ An extremely high-thermal-flux reactor. M. Osredkar. "J. Stefan" Inst. Repts. (Ljubljana) 4, 77-83(1957).—A reactor is designed with a fast-reactor core arranged around a central moderator region consisting of a heavy-water central zone, a light-water layer, and then a thermal-neutron absorbing layer. Central region will have a thermal flux of up to 10^{14} n/sec./sq. cm. with a cooling rate of 1000 kw./l. considered feasible for a fast reactor. This is substantially higher than appears to be possible in an all-thermal machine. 3 2

H. H. Hyman

SR

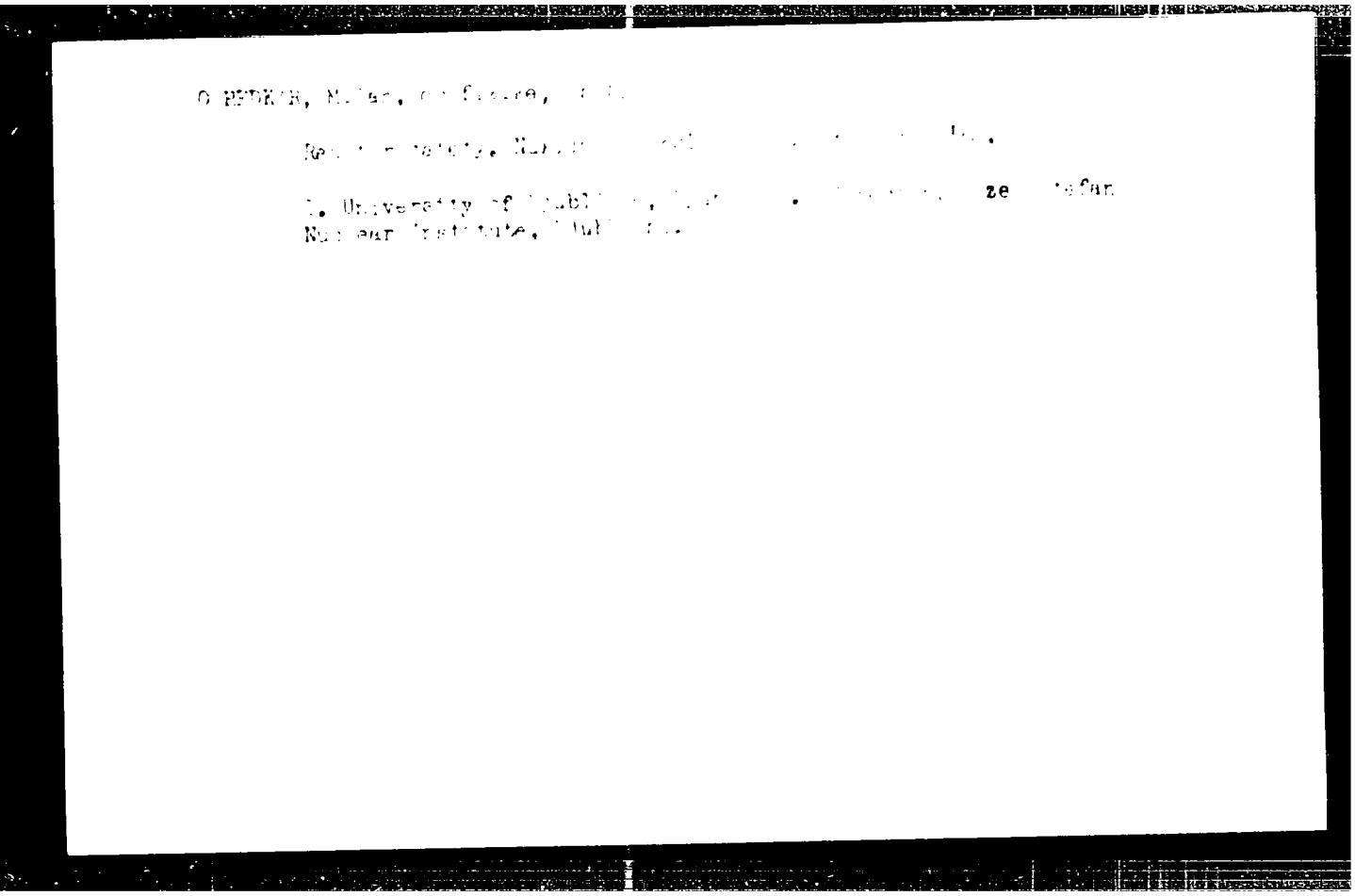
APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

OSREDKAR, M.

An extremely high thermal flux reactor (RS 14) In English p. 77

LJUBLJANA, INSTITUT "JOZEF STEFAN." REPORTS Ljubljana, Yugoslavia
Vol. 4, Oct. 1959

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



KAZMIERCZAK, Kazimierz, inz.; RUKASZ, Andrzej, inz.; OSRODEK, Tadeusz, inz.

Some properties of the lignum vitae. Bud okretowe Warszawa 9 no.6:206-208, 209 Je '64.

1. Gdansk Shipyard.

OSROWSKI, W.;SKARZYNSKI, B.

A simplified method of electrophoresis for clinical application.
Polski tygod. lek. 7 no. 5-6:120-124 4 Feb 1952. (CLML 22:4)

1. Of the Institute of Medical Chemistry of Krakow Medical Academy.

OSSADCHA, N.

"The Medicinal Plants of the Ukraine used in Folk Medicine for the Treatment of Wounds, (in Russian), Khar'kov, 1941, 79 pp., manuscript.

OSSADCHA, N.

Wild Medicinal Plants in the Ukraine used by the Official and by Folk Medicine, (in Ukrainian,) 1939, Vol. 1, 489 pp., monograph.