OBLOVATSKIY, Fedor Yakovlevich; LYUDSKOV, B.P., red.; STARCHAKOVA, I.I., red.; SUDAK, D.M., tekhn.red.

[Nature of Soviet trade. System and organization of planning Soviet trade. Retail turnover of goods and its planning; textbook for students attending schools on Soviet trade] Sushchnost' sovetskoi torgovli, sistema i organizatsiia planirovaniia sovetskoi torgovli, roznichnyi tovarooborot i ego planirovanie; posobie dlia uchashchikhsia tekhnikumov sovetskoi torgovli. Moskva, Gos.izd-vo torgovoi lit-ry. No.3. 1959. 75 p. (MIRA 12:11)

(Russia--Commerce)

OBLOVATSKIY, F.

More attention to the theory of Soviet trade. Sov.torg. 33 no.2:48-50 F '60. (MIRA 13:5)
(Russia--Commerce)

OBLOVATSKIY, F., kand.ekonomicheskikh nauk

Work of wholesale trade should be subordinated to the interests of retail trade. Sov. torg. 34 no.8:20-25 Ag '61. (MIRA 14:8)
(Wholesale trade)

VASIL'YEV, , S.S., dots.; GENKINA, L.S., dots.; GRIGOR'YAN, G.S., dots.; KISTANOV, Ya.A., dots.; KULIKOV, A.G., dots.; LIFITS, M.M., prof.[deceased]; OBLOVATSKIY, F.Ya., dots.; PIROGOV, P.V., dots.; POPOV, A.N., dots.; SMOTRINA, N.A., dots.; FEFILOV, A.I.; STARCHAKOVA, I.I., red.; EL'KINA, E.M., tekhn. red.

[Ekonomics of commerce] Ekonomika torgovli. Red. kollegiia; Vasil'ev, S.S., Grigor'ian, G.S., Fefilov, A.I. Moskva, Gos-torgizdat, 1962. 727 p. (MIRA 15:6)
(Commerce)

OBLOVATSKIY, F. Ya., kand.ekonom.nauk, dotsent

Let's improve the planning of financial indices. Sov. torg. 35 no.9: 10-13 S '62. (MIRA 16:2)

(Retail trade—Finance)

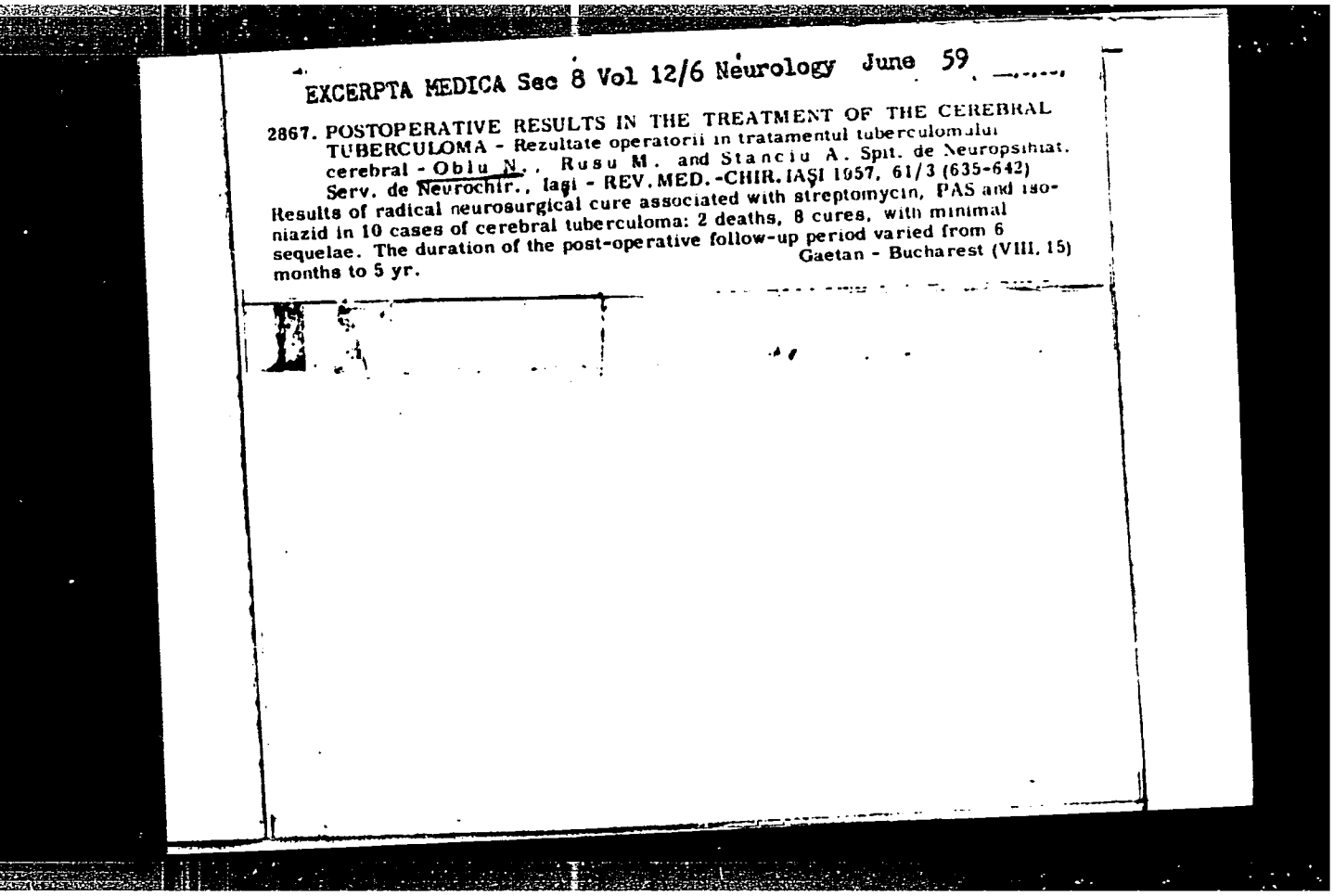
OBLOVATSKIY, O.G.

Using vibratory bunkers for feeding centerless grinding machines. (MIRA 14:10)
Avt.prom. 27 no.10:42-43 O '61.
(Feed mechanisms)

OBLOZHENKO, R.V.; GRANDBERG, I.I., KLEMKOVICH, V.V.

Preparation of 1-(3-sulfo-4'-phenoxyphenyl)-3-stearoylamino-5-pyrazolone. Zhur.prikl.khim. 35 no.5:1159-1161 My '62. (MIRA 15:5)

1. Eksperimental'nyy zavod krasiteley i Moskovskiy gosudarstvennyy universitet.
(Pyrazolinone)

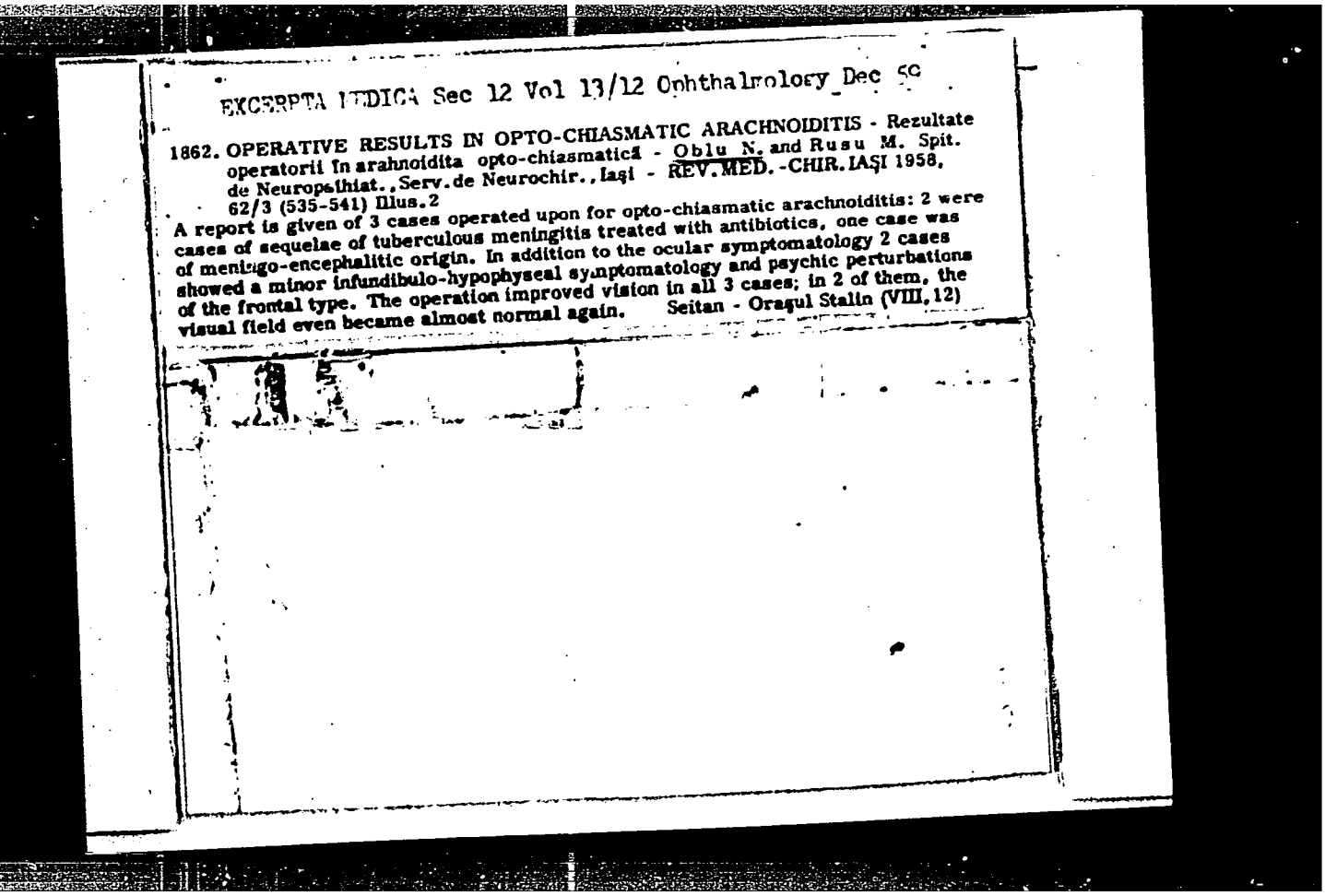


EXCERPTA MEDICA Sec 8 Vol 12/6 Neurology June 59

2867. POSTOPERATIVE RESULTS IN THE TREATMENT OF THE CEREBRAL TUBERCULOMA - Rezultate operatorii in tratamentul tuberculomului cerebral - Oblu N., Rusu M. and Stanciu A. Spit. de Neuropsihiat. Serv. de Neurochir., Iaşi - REV. MED.-CHIR. IAŞI 1957, 61/3 (635-642)

Results of radical neurosurgical cure associated with streptomycin, PAS and isoniazid in 10 cases of cerebral tuberculoma: 2 deaths, 8 cures, with minimal sequelae. The duration of the post-operative follow-up period varied from 6 months to 5 yr.

Gaetan - Bucharest (VIII, 15)



EXCERPTA MEDICA Sec 12 Vol 13/12 Ophthalmology Dec 59

1862. OPERATIVE RESULTS IN OPTO-CHIASMATIC ARACHNOIDITIS - Rezultate operatorii în arahnoidita opto-chiasmatică - Oblu N. and Rusu M. Spit. de Neuropsihiat., Serv. de Neurochir., Iaşi - REV. MED.-CHIR. IAŞI 1958, 62/3 (535-541) Illus. 2

A report is given of 3 cases operated upon for opto-chiasmatic arachnoiditis: 2 were cases of sequelae of tuberculous meningitis treated with antibiotics, one case was of meningo-encephalitic origin. In addition to the ocular symptomatology 2 cases showed a minor infundibulo-hypophyseal symptomatology and psychic perturbations of the frontal type. The operation improved vision in all 3 cases; in 2 of them, the visual field even became almost normal again. Seitan - Oraşul Stalin (VIII, 12)

OBLOY, Yu. Oblo], J.]; UKHNYAT, M. [Uhniat, M. [Nowak wska, H.]

Effect of the conditions of preparation of a catalytic system on the valency of vanadium in a complex and the [illegible] polymerization of ethylene with propylene. Vysokom. soed. 7 no.5:[illegible] May 1965. (MIRA 18:9)

1. Institut tyazhelogo organicheskogo sinteza, Blyakhovitya Silezskaya, Pol'sha.

OBMARSHEV, A.N. (Moskva)

Vibration of linear nonholonomic systems near the state of a steady motion. Izv.AN SSSR.Otd.tekh.nauk.Mekh.i mashinostr. no.5:84-89 S-O '61. (MIRA 14:9)

(Vibration)

OBMENIN, V.O.

The EPM automatic densitometer for measuring the density of miecella. Biul.tekh.ekon.inform.Gos.nauch.-issl.inst.nauch.i tekh.inform. 17 no.10: 77-79 O '64. (MIRA 18:4)

DERYABIN, Viktor Mikhaylovich; OHMENINA, V.A., red.; MAKAROVA, N.F., tekhn.red.

[International system of units in a secondary school physics course] Mezhdunarodnaia sistema edinits v kurse fiziki srednei shkoly. Moskva, Uchpedgiz, 1963. 109 p. (MIRA 17:2)

OBMINSKI, Z.

A research on the climate of ecologic complexes in forests of the Bialowieza National Park p.3.
ROCZNIKI NAUK LESNYCH (Instytut Badawczy Leśnictwa i Instytut Technologii Drewna) Warszawa Vol. 12, 1955

So. East European Accessions List Vol. 5, No. 9 September 1956

OBMINSKI, Z.

"Biocencza lasu" (Forest biocenosis), by Z. Obminski. Reported in New Books (Nowe Książki), No. 12, June 15, 1956.

OBMINSKI, Z.

Application of short-range observations in ecologic and climatologic researches in forestry. p. 55. GOSPODARKA ZBOZOWA. Vol. 99, No. 1, Jan/Feb 1956. Warszawa.

East European Accessions List (EEAL) Library of Congress
Vol. 5, No. 11, August 1956.

OBMINSKI, Z.
ORLOS, H.

Methods of evaluating the ecologic function of fungi in a forest environment. p. 103

SYLWAN. (Wydzial Nauk Rolniczych i Lesnych Polskiej Akademii Nauk i Polskie Towarzystwo Lesne) Warszawa, Poland (Journal on forestry issued by the Section of Agricultural and Forestry Sciences, Polish Academy of Sciences; and the Polish Society of Forestry; with English and Russian summaries. Includes supplements: Biuletyn Instytutu Badawczego Lesnictwa, bulletin of the Forest Research Institute; Biuletyn Instytutu Technologii Drewna, bulletin of the Institute of Wood Technology; Przeglad Dokumentacyjny Drzewnictwa, documentation of the Institute of Wood Technology; and Prezeglad Dokumentacyjny Lesnictwa, documentation of the Forest Research Institute. Monthly)
Vol. 101, no. 3, Mar. 1957

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

OBMINSKI, Z.

A proper view of the role of the Michurin school in biological sciences. p. 1

SYLWAN. (Wydzial Nauk Rolniczych i Lesnych Polskiej Akademii Nauk i Polskie Towarzystwo Lesne) Warszawa, Poland (Journal on forestry issued by the Section of Agricultural and Forestry Sciences, Polish Academy of Sciences; and the Polish Society of Forestry; with English and Russian summaries. Includes supplements Biuletyn Instytutu Badawczego Lesnictwa, bulletin of the Forest Research Institute; Biuletyn Instytutu Technologii Drewna, bulletin of the Institute of Wood Technology; Przeglad Dokumentacyjny Drzewnictwa, documentation of the Institute of Wood Technology; and Prezeglad Dokumentacyjny Lesnictwa, documentation of the Forest Research Institute. Monthly)
Vol. 101, no. 4, Apr. 1957

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

OBMINSKI, Z.

Forest Research Institute in the face of new tasks. p. 61

SYLWAN. (Wydzial Nauk Rolniczych i Lesnych Polskiej Akademii Nauk i Polskie Towarzystwo Lesne) Warszawa, Poland (Journal on forestry issued by the Section of Agricultural and Forestry Sciences, Polish Academy of Sciences; and the Polish Society of Forestry; with English and Russian summaries. Includes supplements; Biuletyn Instytutu Badawczego Lesnictwa, bulletin of the Forest Research Institute; Biuletyn Instytutu Technologii Drewna, bulletin of the Institute of Wood Technology; Przeglad Dokumentacyjny Drzewnictwa, documentation of the Institute of Wood Technology; and Przeglad Dokumentacyjny Lesnictwa, documentation of the Forest Research Institute. Monthly)
Vol. 101, no. 4, Apr. 1957

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

OBMINSKIY, K.I., prepodavatel'

Bee and its products in the life of man. Uch. zap. Kab.-Balk. gos. un. no.12:159-165 '62. (MIRA 16:6)

1. Kafedra zootekhnii Kabardino-Balkarskogo gosudarstvennogo universiteta.

(Bees)

OBMOK, T.R.

Biological method in Sumy Province. Zashch. rast. ot vred. i bol. 9 no.8:17 '64. (MIRA 17:12)

1. Zaveduyushchaya Sumskoy oblastnoy biologicheskoy laboratoriyey, g. Romny, Sumskoy oblasti.

OBMORSHEV, A.N.

Obmoršev, A. N. Investigation of phase trajectories at infinity. Akad. Nauk SSSR. Prikl. Mat. Meh. 14, 383–390 (1950) (Russian)

The Poincaré system (1) $dx/dt = P(x, y)$, $dy/dt = Q(x, y)$ is investigated for a limit-cycle at infinity in the following manner. The phase plane is projected onto a hemisphere H of radius one tangent to the plane at the origin, then H is projected orthogonally on the plane. If ρ, θ are the polar coordinates, this yields the transformation $x = \rho(1-\rho^2)^{-1}\cos\theta$, $y = \rho(1-\rho^2)^{-1}\sin\theta$, and it leads from (1) to (2) $d\rho/d\theta = \rho(1+\rho)(1-\rho)^m\Phi(\rho,\theta)/\Psi(\rho,\theta)$ with Φ, Ψ analytic and not divisible by $1-\rho$. Infinity is now imaged into C, the circle of radius one. If $\Psi \neq 0$ on C and $m > 0$, C is a limit-cycle. If $m = 0$, C is not a trajectory. Finally if $m < 0$, C is a closed curve without contact. Stability and the existence of limit cycles approaching C are discussed. Application is made to the study of the trajectories of the system (1) corresponding to the following equation derived from the coupling of a series generator with an independently excited motor: $\ddot{x} - \mu(\dot{x}(1+\dot{x}^2)^{-1} - \nu)\dot{x} + x = 0$. [References, besides the classical writings of Poincaré, Bendixson, and Liapounov: Petrovski, Rec. Math. [Mat. Sbornik] (1) 41, 107–155 (1934); von Mises, Compositio Math. 6, 203–220 (1938); Lefschetz, Lectures on Differential Equations, Annals of Mathematics Studies, no. 14, Princeton University Press, 1946, p. 142; these Rev. 8, 68.]

Source: Mathematical Reviews, Vol. 12, No. 3

OBMORSHEV, A.N.

Mathematical Reviews
Vol. 14 No. 7
July - August, 1953
Numerical and Graphical Methods.

Obmoršev, A. N. Graphical solution of a characteristic equation with complex coefficients. Akad. Nauk SSSR. Inženernyĭ Sbornik 13, 190–192 (1952). (Russian)

The general polynomial equation is written in the form $F(s)+as+b=0$, where $s=x+iy$. Letting $F(s)=U+iV$ and $-as-b=u+iv$, the roots of the equation are found from the intersections of the surface $U(x, y)$ with the plane $u(x, y)$ and the surface $V(x, y)$ with the plane $v(x, y)$. For graphical construction, the surfaces and planes are reduced to families of curves and straight lines by taking a series of fixed values of y. The locus of the intersections of corresponding curves and lines is the desired intersection of the surface and the plane. The intersections of the two loci give the desired roots of the given polynomial equation. The method is illustrated for the case of a quartic equation for which the graphs and the numerical results are shown.

M. Goldberg (Washington, D. C.).

OBMORSHEV, A.N.

ACHERKAN, N.S., professor, doktor tekhnicheskikh nauk; LYUKSHIN, V.S., kandidat fiz.-mat. nauk; NIBERG, N.Ya., kandidat tekhnicheskikh nauk; OBMORSHEV, A.N., doktor tekhnicheskikh nauk; PLYZHNIKOV, I.S., kandidat fiz.-mat. nauk; MARKUS, M.Ye., inzhener, redaktor; KARGANOV, V.G., inzhener, redaktor graficheskikh rabot; SOKOLOVA, T.F., tekhnicheskiy redaktor.

[Handbook of machine construction in 6 volumes] Spravochnik mashinostroitelia v shesti tomakh. Izd. 2-e, ispr. i dop. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry. Vol. 1. 1954. 567 p. (MIRA 8:1)
(Mathematics) (Mechanics)

124 1957 1-17

Translation from: Referativnyy zhurnal. Mekhanika, 1957 Nr 1, p 3 (USSR)

AUTHOR: Obmorshev, A. N.

TITLE: On Some Transformations of Elliptical Functions Applicable to Mechanics (O nekotorykh preobrazovaniyakh ellipticheskikh funktsiy, primenyayemykh v mekhanike)

PERIODICAL: V kn.: Elementy rascheta tochnykh priborov. Moscow, Oborongiz, 1954. pp 126 150

ABSTRACT: The purpose of this work is to present a brief systematic discussion of some basic characteristics and relationships of Jacobi's and Weyerstrass' elliptical functions which are applicable to mechanics in general and in gyroscopics in particular. The characteristics of elliptical functions are determined through an inversion of the elliptical integrals. The Author does not discuss the theory of functions of a complex variable (but employs complex quantities).

N. A. Talitskikh

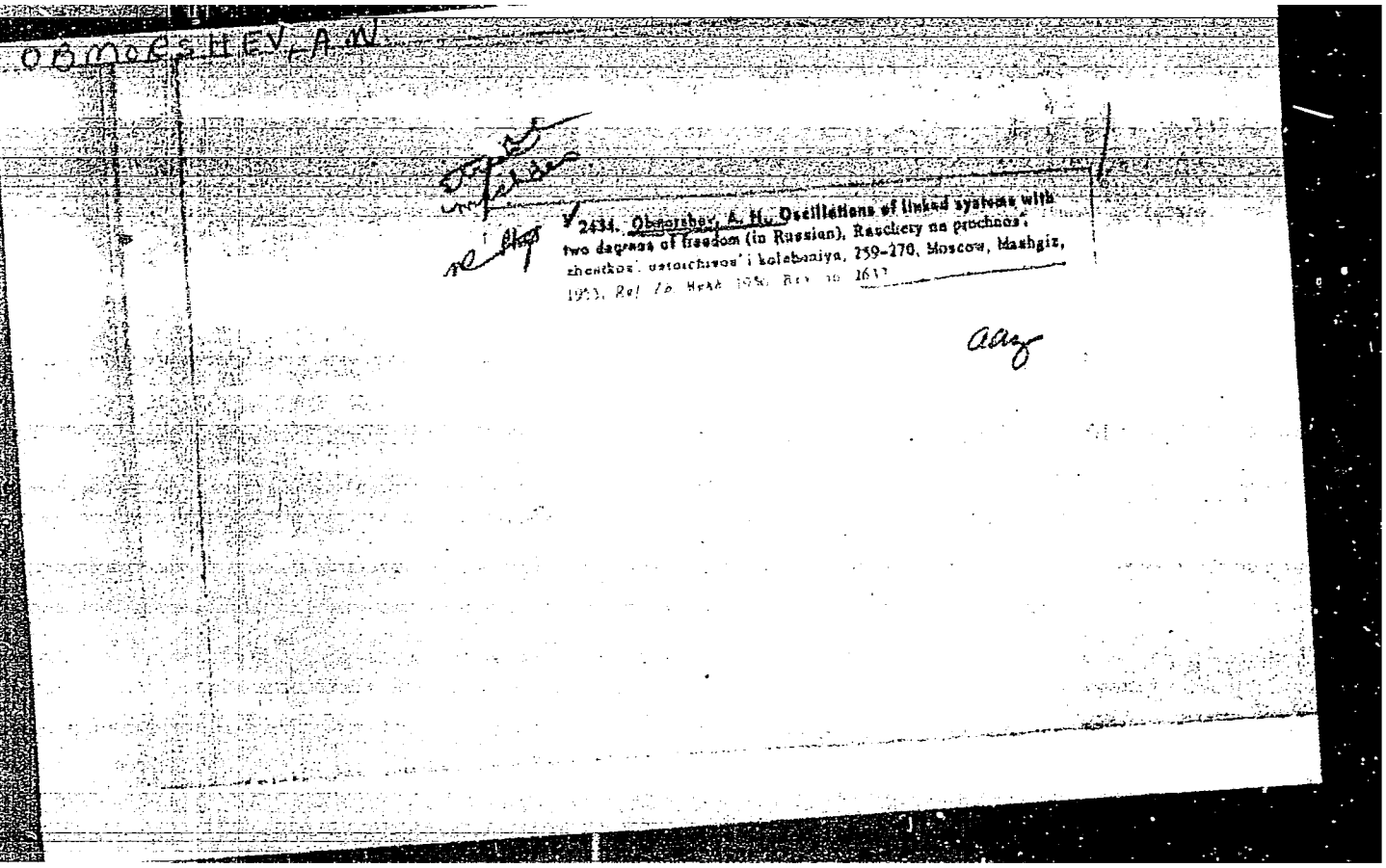
Card 1/1 1. Elliptical functions--Transformations 2. Mechanics--Applications

OBMORSHEV, A. N.

"Oscillation and Stability of Nonholonomic Systems," by A. N. Obmorshev, Doctor of Technical Sciences, Mekhanika, No 50, Moscow Higher Technical School, Oborongiz, Moscow, 1955, pp 75-96

The author examines small oscillations of nonholonomic systems near the equilibrium position and near steady-state motion. In the first case, the author uses equations with indeterminate multipliers, while in the second case, he uses S. A. Chaplygin's equations. By analogy with holonomic systems, the author introduces the concept of the coefficients of inertia, resistance, and rigidity, as well as gyroscopic and pseudogyroscopic coefficients. He derives an expression for a characteristic equation.

Sum 1258



2434. Obnorskiy, A. Yu. Oscillations of linked systems with two degrees of freedom (in Russian), Raschety na prochnost', zhestkost', ustoichivost' i kolebaniya, 259-270, Moscow, Mashgiz, 1953. Ref. Zh. Mekh. 1954, Rev. no. 1611

OBMORSHEV, A.N., doktor tekhnicheskikh nauk, professor.

On limited cycles. [Trudy] MVTU no.47:45-68 '55. (MLRA 9:5)
(Vibration)

Obmorshev, A.N.

1945. A theorem of N. E. Zhukovsky, and A. N. Obmorshev. Elements of the theory and calculation of gyroscopic and navigational instruments (in Russian), (MVTU 48), Moscow, Oborongiz, [illegible]

[illegible] the motion of the point of intersection of the axis of rotation on an ellipsoid of inertia of a body rotating about a fixed point with a sphere described about its center with a radius equal to the radius of inertia of the body about the equatorial diameter of the ellipsoid of inertia

The proof consists in a formal transformation of the Euler equations into the equations of motion of the [illegible] point in which the mass of the body is assumed to be concentrated.

[illegible]

3 1-BF

1/1

Obmorchev, A.N

1984. Obmorchev, A. N. Oscillations and steadiness of nonholonomial systems (in Russian), "Mekhanika", (MVTU 50), Moscow, Oborongiz, 1955, 75–96; *Ref. Zh. Mekh.* no. 12, 1956, Rev. 8042.

Small oscillations of a nonholonomial system about the equilibrium position and about the position of steady motion are examined. In the first case, equations with indeterminate multipliers are used; in the second, the equations of S. A. Chaplygin. By analogy with holonomial systems, conceptions are introduced of coefficients of inertia, rigidity, gyroscopic and pseudo-gyroscopic moments. An expression is derived for the characteristic equation. The example chosen for demonstration is the motion of a four-wheel bogie along a rectilinear railway track.

V. S. Novoselov

Courtesy Referativnyi Zhurnal, USSR

Translation, courtesy Ministry of Supply, England

OBMORSHEV, A.N., doktor tekhnicheskikh nauk, professor.

Solving type $x^n(t)=f(t)$ equations in some particular cases. [Trudy] MVTU no.97-101 '56. (MLRA 9:8)
(Differential equations)

OBMORSHEV, A.N.

BELIK, Nikolay Ivanovich; SHCHEDROVITSKIY, S.S., kand.tekhn.nauk, retsenzent; OBMORSHEV, A.N., doktor tekhn.nauk, prof., red.; KOCHETOVA, G.F., red.izdatel'stva; TIKHANOV, A.Ya., tekhn.red.

[Instruments for measuring differentials of gas pressure; theory, methods of research and testing] Pribory dlia izmerenii malykh raznostei davlenii gazov; teoriia, metody issledovanii i poverka. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1957. 226 p. (Manometer) (MLRA 10:12)

Investigating the structure of turbulent-motion equations for systems in connection with possible origination of natural vibrations. Trudy Inst. mash. Sem. po teor. mash. 16 no.64:5-25 '57. (MIRA 11:4)
(Mechanical movements) (Vibration)
(Differential equations, Partial)

OBMORSHEV, A.N., prof., doktor tekhn.nauk

Coefficient of dynamism. Nauch.dokl.vys.shkoly; mash.i prib. no.1:183-188 '58. (MIRA 12:1)

1. Predstavleno kafedroy "Pribory tochnoy mekhaniki" Moskovskogo vysshego tekhnicheskogo uchilishcha imeni N.E. Baumana.
(Vibration)

OBMORSHEV, A.H., doktor tekhn.nauk, prof.

Using frequency diagrams in investigating control systems.
Izv.vys.ucheb.zav.; mashinostr. no.5:3-15 '58. (MIRA 12:5)

1. Moskovskoye vysshaye tekhnicheskoye uchilishche im. Baumana.
(Automatic control) (Frequency curves)

OBMORSHEV, A. N.

PHASE I BOOK EXPLOITATION SOV/4233

Moscow. Vyssheye tekhnicheskoye uchilishche

Raschety detaley i mekhanizmov tochnykh priborov; sbornik statey (Design of Parts and Mechanisms of Precision Instruments; Collection of Articles) Moscow, Mashgiz, 1960. 260 p. 5,000 copies printed.

Ed. (Title page): T. A. Gevondyan, Doctor of Technical Sciences, Professor; Ed. (Inside book): Ya. G. Alaverdov, Engineer; Tech. Ed.: A. F. Uvarova; Managing Ed. for Literature on Machine Building and Instrument Making (Mashgiz): N. V. Pokrovskiy, Engineer.

PURPOSE: This collection of articles is intended for scientific workers and engineers engaged in instrument making.

COVERAGE: The results of investigations on making instruments with complex and design-perfect parts, pairs, and mechanisms, it is claimed, are published here for the first time. The articles cover theory and methods of spherical cogwheel engagement, a new method of manufacturing toothed wheels with

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alternating ratio within one revolution, a universal method for designing an oscillating system for stability by means of complex variables, and precision methods for designing brake centrifugal governors used in instrument design. Some of the articles are accompanied by Soviet and non-Soviet references. No personalities are mentioned.

TABLE OF CONTENTS:

Gevondyan, T. A., Doctor of Technical Sciences, Professor. A Special Type of Ball-Cog Wheel Engagement 6
The meshing wheels have ball-shaped cogs. This type of engagement is used in those cases where the angle between the intersecting axes becomes too large. Basic equations for designing such an engagement are given.

Presnukhin, L. N., Doctor of Technical Sciences, Professor, and L. A. Malkin, Candidate of Technical Sciences, Docent. Involute Spur Wheels With Alternating Gear Ratio and Their Use in Instrument Building 25
A new method for manufacturing involute spur gears with a ratio varying during a single revolution is discussed, as well as its use in computers.

Obmorshev, A. N., Doctor of Technical Sciences, Professor. Design of an Oscillating System for Stability Using Complex Variables 39
The use of complex variables simplifies the general analysis of the oscillation as well as the practical design of systems

Kunayev, I. P., Candidate of Technical Sciences, Docent. Design of a Free Oscillating System "Balance Arm -Strip Spring" Allowing for the Constant Angular Velocity of the Motion of the Spring 50
The exact as well as an approximate analytical method for the above design are presented.

Torgov, A. M., Candidate of Technical Sciences, Docent. Tneory and Practical Methods of Balancing the "Balance Wheel -Spiral Spring" Oscillating System in Timepieces 82
A development of the problems concerning the effect of the unbalance of the oscillating system on the running of a clockwork is presented.

DIMENTBERG, F.M., doktor tekhn.nauk; LIUKSHIN, V.S., kand.fiz.-mat.nauk; NIBERG, N.Ya., kand.tekhn.nauk; OBMORSHEV, A.N., prof., doktor tekhn.nauk; PLUZHNIKOV, I.S., kand.fiz.-mat.nauk; UMANSKIY, A.A., prof., doktor tekhn.nauk; ACHERKAN, N.S., prof., doktor tekhn.nauk, red.; VUKALOVICH, M.P., prof., doktor tekhn.nauk, laureat Leninskoy premii, red.; KUDRYAVTSEV, V.N., prof., doktor tekhn.nauk, red.; PONOMAREV, S.D., prof., doktor tekhn.nauk, laureat Leninskoy premii, red.; SATEL', E.A., prof., doktor tekhn.nauk, red.; SERENSEN, S.V., akademik, red.; RESHETOV, D.N., prof., doktor tekhn.nauk, red.; GIL'DEN-BERG, M.I., red.izd-va; SOKOLOVA, T.F., tekhn.red.

[Reference book for machinery designers in six volumes] Spravochnik mashinostroitelia; v shesti tomakh. Red.sovet: N.S.Acherkan i dr. Izd.3., ispr. i dop. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry. Vol.1. Pod red.N.S.Acherkana. 1960. 592 p. (MIRA 13:10)

1. AN USSR (for Serensen). (Machinery--Design)

S/179/61/000/005/011/022
E191/E481

AUTHOR: Obmorshev, A.N.

TITLE: The oscillation of linear non-holonomic systems around the steady state condition

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye tekhnicheskikh nauk. Mekhanika i mashinostroyeniye. no.5, 1961, 84-89

TEXT: Autonomous dynamic systems are considered which are subject to non-holonomic constraints satisfying the Chaplygin conditions. Holonomic systems can be considered as a particular case of non-holonomic. It is assumed that the equations expressing the constraints which are given as differential relationships (non-integrable in the case of non-holonomic constraints) can be solved with respect to some of the velocities. In other words, the constraint equations can be formulated in accordance with the Chaplygin pattern. At least those coordinates whose velocities, with regard to which the constraint equations can be solved, are the same, are cyclic coordinates, i.e. these coordinates do not enter into either the kinetic or the potential energy. They do

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not enter into the coefficients of the Chaplygin constraint equation. It is also assumed that the same coordinates have no effect on the resistance forces, the presence of which are admitted. The Lagrange equations of motion are applied in the Routh form to obtain equations like those derived by Chaplygin for conservative systems. In the present derivation, the conservative nature of the system is not postulated. Each force is assumed to consist of a sum of a conservative force (usually restoring) and a linear resistance force. The linear resistance force is formulated in terms of a non-symmetrical matrix of coefficients which is the sum of a symmetrical and a skew-symmetrical matrix. The equation of the disturbed motion in relation to the steady state motion is derived. The final equations of the disturbed motion contain inertia coefficients, resistance coefficients, stiffness coefficients, dynamic coefficients of the displacement force, gyroscopic coefficients corresponding to gyroscopic forces and gyroscopic coefficients originating in the non-symmetrical nature of the resistance coefficient matrix (which are therefore called quasi-gyroscopic coefficients and quasi-gyroscopic forces). Finally, there are modified gyroscopic coefficients and non-

The oscillation of linear ...

conservative displacement forces exemplified in the rotation of a shaft by internal friction, external friction against the air in rotation inside a casing, the shaft twisting effect and oil film friction. These forces perform work in a real displacement and can be called circulation forces, or forces of radial correction. They can also be called pseudo-gyroscopic forces. Two other sets of coefficients each having a non-symmetrical matrix express the effect of non-holonomic constraints and vanish in the case of holonomic systems. The stability of the disturbed motion is examined. The analysis is divided into that of stability in relation to cyclic velocity coordinates and non-cyclic coordinates. The problem is reduced to investigating the roots of a characteristic equation. The static stability of the equilibrium of non-holonomic systems has been erroneously treated by Whittaker, an error which was first discovered by the Dutch scientist Bottem and subsequently treated in detail by M. Aisermann and F. Gantmacher (Ref.11: Z. angew. Math. und Mech., 1957, v.37, no.1-2). Dynamic stability of non-holonomic systems is a difficult problem but in certain cases amenable to linear treatment. Thus, A.I.Kukhtenko (Ref.12: Analysis of the dynamics

of non-holonomic regulating systems by the example of the automatic control of cutters and cutter loaders in coalmines. Proceedings. Second All-Union Conference on the Theory of Automatic Control. v.II, 1955, Edited by AS USSR) has shown that certain non-holonomic systems can be analysed by the method of amplitude-phase characteristics. There are 2 figures and 12 references: 10 Soviet-bloc and 2 non-Soviet-bloc.

SUBMITTED: June 22, 1961

Card 4/4

S/586/61/022/085/003/003
D234/D304

AUTHOR: Obmorshev, A.N.

TITLE: Tensor methods in mass geometry

SOURCE: Akademiya nauk SSSR. Institut mashinovedeniya. Seminar po teorii mashin i mekhanizmov. Trudy, v. 22, no. 85/86. Moscow, 1961, 88-91

TEXT: The author described a three-dimensional generalization of the method of determining the moments of inertia based on construction of Mohr's circles. The interpretation of A.A. Akopyan (Ref. 2 Prikladnaya mekhanika i matematika (staraya seriya), v. II, no. 1, 1934) in which the centrifugal moments J_{yz}, J_{zx}, J_{xy} are considered as vectors in the directions x, y, z is used. There is 1 figure and 2 Soviet-bloc-references.

SUBMITTED: January 24, 1959

Card 1/1

OBMORSHEV, Aleksandr Nikolayevich; PETROV, V.V., red.; GORDEYEV, A.A., red.

[Introduction to the theory of oscillations] Vvedenie v teoriiu kolebanii. Pod red. V.V.Petrova. Moskva, Nauka, 1965. 276 p. (MIRA 18:12)

OBMORYSHEV, K.M.

Detailed stratigraphy of the Upper Due series of the Mgachi coal deposti on Sakhalin. Trudy VNIGRI no.181:88-94 '61. (MIRA 15:2)
(Mgachi region--Geology, Stratigraphic)

OBMORYSHEV, K.M.

Hydrodynamic relations between the separate parts of oil pools in the Okobykay series of the Tungor field. Trudy VNIGRI no.242:67-71 '63.

Fracturing in rocks of the Okobykay series on the Botuobinskaya structure in connection with their oil and gas potentials. Ibid.:72-75
(MIRA 17:2)

KARAMYAN, A.A.; OBNATANOV, S.T.; TAMRAZYAN, G.P.

Characteristics of petroleum, gas, and water in the Kala series of the Gousan field. Azerb.neft.khoz. 37 no.6:7-10 Je '59. (MIRA 13:4)

(Apsheron Peninsula--Petroleum geology)

OBNORSKIY, P.P.

Results of organization of activities in hospitals according to the Pavlovian theory. Sovet. zdravookhr. 11 no.1:42-48 Jan-Feb 52. (CIML 21:4)

1. Of Hospital No 34, Sokol'nicheskiy Rayon, Moscow (Head Physician P.P. Obnorskiy).

OBNORSKIY, P.P. (Moscow).

Result of personnel training. Med.sestra no.9:23-26 S '53. (MLRA 6:10)
(Public health)

OBNORSKIY, P. P.

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"An experiment in organization of therapeutic service in the joint hospital of an urban region." Min Health USSR. Central Inst for the Advanced Training of Physicians. Moscow, 1956. (Dissertation for the Degree of Candidate in Medical Science)

So: Knizhnaya letopis', No. 25, 1956

OBNORSKIY, P.P.

Work of medical specialists in hospitals. Zdrav.Ros.Feder. 1 no.1: 28-34 Ja '57. (MIRA 11:2)

1. Iz kafedry organizatsii zdravookhraneniya TSentral'nogo instituta usovershenstvovaniya vrachey (dir. V.P.Lebedeva, zav. kafedroy - prof. M.A.Vinogradov)
(HOSPITALS--STAFF)
(MEDICINE--SPECIALTIES AND SPECIALISTS)

OBNORSKIY, P.P.

Planning the operation of a district hospital in a city. Zdrav.Ros. Feder. 2 no.6:3-8 Je '58. (MIRA 11:5)

1. Iz Moskovskogo gorodskogo otdela zdravookhraneniya (zav. N.S. Lapchenko) i kafedry organizatsii zdravookhraneniya (zav.-prof. N.A. Vinogradov) TSentral'nogo instituta usovershenstvovaniya vrachey.
(HOSPITALS)

OBNORSKIY, P.P.

Organization of nursing in the polyclinic. Med.sestra 17 no.9:9-12 S '58 (MIRA 11:10)

1. Bol'nitsa No. 34, Moskva.
(NURSES AND NURSING)

OBNORSKIY, P.P.

Organizational forms of work of agencies of the public health system in introducing the experiences of Tula. Zdrav. Ros. Feder. 5 no. 3:7-11 Mr '60. (MIRA 14:2)

1. Iz otdela organizatsii zdravookhraneniya Moskovskogo nauchno-issledovatel'skogo instituta gigiyeny imeni F.F. Erismana (dir.A.P. Shitskova).

(PUBLIC HEALTH)

OBNORSKIY, P.P.

Medical nurse in the polyclinic. Med. sestra 19 no.6:3-8 Je '60.
(MIRA 14:1)

1. Glavnyy vrach Gorodskoy bol'nitsy No.34, Moskva.
(NURSES AND NURSING)
(HOSPITALS—OUTPATIENT SERVICES)

OBNORSKIY, P.P.; POSPEYEV, P.P.

Voluntary councils - a new form of organization for popular participation in the work of medical institutions. Zdrav. Ros. Feder. 5 no.9:3-7 S '61. (MIRA 14:9)

1. Iz otdela organizatsii zdravookhraneniya Moskovskogo nauchno-issledovatel'skogo instituta gigiyeny imeni F.F.Erismana (dir. A.P. (PUBLIC HEALTH)

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In the Collegium of the Ministry of Public Health of the R.S.F.S.R.
The state of medical service for workers and employees in the
Russian Federation. Zdrav. Ros. Feder. 6 no.8:38-39 Ag '62.
(MIRA 15:7)

(MEDICINE, INDUSTRIAL)

OHNORSKIY, P.P. (Moskva)

Dispensary care of patients with cardiovascular diseases. (MIRA 16:3)
Med.sestra 21 no.11:35-39 N '62.
(CARDIOVASCULAR SYSTEM—DISEASES)
(HOSPITALS—OUTPATIENT SERVICES)

OBNORSKIY, P.P.

Study of working experience of leading public health institutions and its utilization in practice. Med. sestra 22 no.6: 6-9 Je '63. (MIRA 16:9)

(PUBLIC HEALTH)

OBNORSKIY, V.; LITYAGIN, A.; YASTREBOV, G., slesar' (Chirchik); MANOYLENKO, L.

This is the way we are living. Izobr.i rats. no.5 (201):28-29 '63. (MIRA 16:7)

1. Predsedatel' soveta Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov Vsesoyuznogo gosudarstvennogo proyektnogo instituta stroitel'stva elektrostantsiy (for Obnorskiy). 2. Starshiy inzh. Tul'skogo oblastnogo soveta Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov (for Lityagin). 3. Chlen Soyuza zhurnalistov SSR for Yastrebov). 4. Predsedatel' Soveta Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov Rubezhanskogo khimicheskogo zavoda (for Manoylenko).

(Technological innovations)

GALONSKIY, P.P.; KOVALENKO, K.I.; KUVYKIN, S.I.; MINGAREYEV, R.Sh.; MURAVLENKO, V.I.; OBNOSOV, A.D.; SHASHIN, V.D.; SHMAREV, A.T.

Volga-Ural region is one of the largest petroleum bases of the country. Neft. khoz. 42 no.9/10:56-64 S-O '64.
(MIRA 17:12)

OBNOSOV, V.G.

Mechanical removal of scale from the water-walls of steam boilers. Prom. energ. 16 no.8:52-53 Ag '61 (MIRA 14:9)
(Boilers—Incrustations)

OBNOSOV, V.P., aspirant

Effect of trace elements on the organism of swine. Veterinariia 40 no.11:61-62 N '63. (MIRA 17:9)

1. Tadzhikskiy sel'skokhozyaystvennyy institut.

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.; 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)

BODNYA, M.D.; BARANOVSKAYA, G.M.; OBNOSOVA, A.D.; KABANOVA, L.V.

Use of catalpa oil in the manufacture of alkyd resins and drying oils. Lakokras.mat.i ikh prim. no.5:78 '62. (MIRA 16:1)

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

ABDUVALIYEV, A.A.; BODNYA, M.D.; BARANOVSKAYA, G.M.; OBNOSOVA, A.D.; ISRAILOV, D.

Continuous method of sylvan polymerization in the solvent medium. Lakokras.mat.i ikh prim. no.6:27-29 '62. (MIRA 16:1)
(Sylvan)

ABDUVALIYEV, A.A.; BODNYA, M.D.; BARANOVSKAYA, G.M.; OBNOSOVA, A.D.

Investigating the film forming properties of polysylvan modified with PF-6 alkyd resins. Lakokras.mat. i ikh prim. no.2:17-18 '63.
(MIRA 16:4)

(Furan) (Resins, Synthetic)

ABDUVALIYEV, A.A.; KHAYDAROV, Kh.F.; SAGDULLAYEVA, P.; OBNOSOVA, A.D.

Lacquers based on urea-formaldehyde resins modified with furfuryl alcohol. Lakokras.mat. i ikh prim. no.2:67-69 '64. (MIRA 17:4)

OPNOSOVA, T. P.

Opnosova, T. P.

"Pathological therapy in inflammatory infections of the mouth." Stalinabad State Medical Inst imeni Abuali-Ibn-Sino (Avitsenna). Stalinabad, 1956. (Dissertation For the Degree of Candidate in Medical Science).

Knizhnaya letopis'
No 34, 1956. Moscow.

OBNOSOVA, T. P

V

Country : USSR
Category : Pharmacology and Toxicology. Narcotics

Abs. Jour. : Ref Zhur-Biol, No 13, 1958, No 61304

Author : Obnosova, T. P.
Institut. : Stalinabad Medical Institute
Title : Effect of Ether Anesthesia and Drug-Induced Sleep on the Development of Inflammation in the Pharyngeal Mucosa of Rabbits

Orig. Pub. : Tr. Stalinabadsk. med. in-ta, 1957, 18, 119-130

Abstract : An inflammatory reaction was obtained through the action of xylol on the pharyngeal mucosa of rabbits. The time taken by the trypan blue circulating in the vascular system to stain the mucosa served as an index of permeability. Nembutal was given subcutaneously or intraperitoneally in doses of 60 mg./kg. During sleep induced by Nembutal, the permeability of the capillaries of the pharyngeal mucosa in rabbits decreased. Ether anesthesia (30 g. per experiment) produced

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V - 5

OBNOSOVA, T.P.

Effect of ether anesthesia and drug-induced sleep on the development of inflammation of the fancial mucosa in rabbits. Biul.eksp.biol. i med. 41 no.4:37-39 Ap '56. (MLRA 9:8)

Iz kliniki bolezney ukha, gorla i nosa (zav. prof. Ya.L.Kots) i kafedry patologicheskoy fiziologii (zav. prof. I.A.Oyvin) Stalinabadskogo meditsinskogo instituta imeni Avitsenny. Predstavlena deystvitel'nym chlenom AMN SSSR A.D.Speranskim.

(PHARYNGITIS, experimental,
eff. of ether ethyl & sleep in rabbits (Rus))
(ETHER, ETHYL, anaesthesia and analgesia,
eff. on exper. pharyngitis in rabbits (Rus))
(SLEEP, effects,
on exper. pharyngitis in rabbits (Rus))

OBNOVLENSKAYA, N.P.

Case of inversion of the uterus in total prolapse. Akush. i gin. (MLRA 7:8)
no.3:89 My-Je '54

1. Iz rodil'nogo doma No.6 imeni Krupskoy (glavnyy vrach Z.F. Mikhaylova), Moskva.

(UTERUS, diseases,
*inversion in total prolapse in aged)
(AGED, diseases
*uterine inversion in total prolapse)

OBNOVLENSKIY, P.A.; MUSYAKOV, L.A.

Impulse photocounter. Stan. i instr. 26 no.5:22-24 My '55. (MIRA 8:8)
(Counting devices)

121-7-7/26

AUTHOR: OBNOVLENSKIY, P.A., MUSYAKOV,L.A., SHTEYNTSAYG,M.A.

TITLE: A Photoelectron Device for the Investigation of Small Grooves and Cavities. (Fotoelektronnoye ustroystvo dlya kontrolya glubiny malykh pazov i polostey, Russian)

PERIODICAL: Stanki i Instrument, 1957, Vol 28, Nr 7, pp 19-21 (U.S.S.R.)

ABSTRACT: The double microscope of V.P.LINNIK, member of the Academy, is known to be used for the investigation of surface quality as well as for measuring unevennesses of the surface from 1 to 60 μ and more. It can also be used for the investigation of grooves and cavities of a depth of up to 0,05-0,06 mm, in which case the groove must be sufficiently long, so that the beams can be reflected from the groove bottom under an angle of 45°. The use of a photoelement makes it possible to carry out measurements objectively and more rapidly. Besides, such a photoelectric device may be used for the automatic testing of various products. For the automatic determination of the amount of shift of the aperture image it is necessary, instead of the angle bisector of the microscope ocular, to use the edge of the untransparent roller blind and a photoelement. In the case of the shifting of the aperture image with respect to the edge of the roller blind, the intensity of the light current upon the

Card 1/2

OBNOVLENSKIY, Petr Avenirovich; MUSYAKOV, Leonid Abramovich; SHTEYNTSAYG, Matvey Abramovich; KHOTILIN, Aleksandr Iosifovich; PAPAZOV, Nikolay Fedorovich; TUCHKOVA, L.K., inzh., ved. red.; SOROKINA, T.M., tekhn. red.

[Automatic control of a double microscope. Automatic device for checking rollers]Avtomatizatsiia dvoinogo mikroskopa. Avtomat dlia kontrolia valikov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 13 p. (Peredovoi nauchno-tekhnicheskiy i proizvodstvennyi opyt. Tema 21. No.M-58-140/5) (MIRA 16:3)
(Microscope) (Electronic instruments)

9(2) PHASE I BOOK EXPLOITATION SOV/1323

Zhestyanikov, Vladimir Mikhaylovich and Peter Avenirovich Obnovlenskiy

Tekhnologiya i oborudovaniye proizvodstva detaley i uzlov radiotekhnicheskoy apparatury (Production Methods and Equipment Employed in the Manufacture of Radio Parts and Units) Moscow, Oborongiz, 1958. 251 p. 11,000 copies printed.

Reviewer: Kalita, Ye. D., Engineer; Ed.: Blaut-Blacheva, V.I., Engineer; Ed. of Publishing House: Sheynfaun, L.I.; Tech. Ed.: Zudakin, I.M.; Managing Ed.: Sokolov, A.I., Engineer.

PURPOSE: This book was approved as a textbook for aviation and radio-engineering tekhnikums by the Administration of Special Secondary Schools of the Ministry of Higher Education, USSR.

COVERAGE: The authors describe the planning of manufacturing processes and explain the processes of forging, casting, welding,

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brazing, soldering and moisture-proofing. They describe the manufacture of capacitors, resistors, transformers, chokes, switches, waveguides and delay lines made of plastic and ceramic materials. Equipment used in the manufacture of these parts is also described.

The authors claim that until now the Soviet technical literature has not made available a textbook for tekhnikums covering the subject of production processes involved in the manufacture of radio parts. They state that the present book was written to fill this gap.

Chapters IX and XII and the larger part of paragraph 8.3 were written by Engineer A.G. Rabinovich.

The authors thank Engineers Ye. D. Kalita, V.I. Venglinskiy and B. Ye. Chertok for technical advice and Engineer V.I. Blaut-Blacheva for help in editing. There are 21 references, all are Soviet.

Production Methods and Equipment (Cont.) SOV/1323

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Automatic control of the tension of materials during their processing. Mekh.i avtom. proizv. 17 no.2:36-39 F '63. (MIRA 16:2)
(Automatic control)

OBNOVLENSKIY, Petr Avenirovich; ZHESTYANIKOV, Vladimir Mikhaylovich; ZARKH, Isaak Moiseyevich; RABINOVICH, Abram Grigor'yevich; SHTRAFUN, Ya.N., kand. tekhn.nauk, retsenzent; TERGAN, V.S., inzh., retsenzent; BURSHTEYN, S.I., red.

[Manufacture of automatic control and remote control equipment] Proizvodstvo apparatury avtomatiki i telemekhaniki. Moskva, Mashinostroenie, 1964. 402 p. (MIRA 17:10)

OBNOVLENSKIY, Petr Avenirovich, dots.; KOROTKOV, Petr Arkhipovich, dots.; GUREVICH, Aleksandr L'vovich, dots.; IL'IN, Boris Vladimirovich, dots.; MUSYAKOV, L.A., kand. tekhn. nauk, red.; BARKAN, A.B., inzh., red.

[Fundamentals of automatic control and automation in the chemical industries] Osnovy avtomatiki i avtomatizatsii khimicheskikh proizvodstv. Moskva, Khimiia, 1965. 607 p. (MIRA 19:1)

1. Kafedra avtomatizatsii khimicheskikh proizvodstv Leningradskogo tekstil'nogo instituta(for Obnovlenskiy).

ACC NR: AM6016006 Monograph UR/

Obnovlenskiy, Petr Avenirovich; Korotkov, Petr Arkhipovich; Gurevich, Aleksandr L'vovich; Il'in, Boris Vladimirovich

Fundamentals of automatic control and automation in chemical industries (Osnovy avtomatiki i avtomatizatsii khimicheskikh proizvodstv) Moscow, Izd-vo "Khimiya", 1965. 607 p. illus., biblio., index. 9500 copies printed.

TOPIC TAGS: automatic control equipment, automatic control technology, industrial automation, chemical plant equipment

PURPOSE AND COVERAGE: The book deals with the automation of the production processes in the chemical industry. The components of automatic control systems, checking and measuring devices, automatic regulators, and general principles of automation of chemical processes is described. Diagrams and drawings of some processes and devices are supplied. The book is intended for engineers and technicians of chemical enterprises and for students of higher technical schools specializing in this field.

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SUB CODE: 07,13/ SUBM DATE: 30Nov65/ ORIG REF: 047

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OBNOVLENSKIY, P.F.

42608. Vliyaniye Voyny Na Chislennyy Sostav I Dvizheniye Naseleniya V Kalininskoy Oblasti. V. Sv: Med.-san. Posledstviya Voyny 1 Meropriyatiya Po Ikh Likvidatsii. T. 11. M. 1948, S. 17-24.

OBNOVLENSKIY, V. M.

Forests and Forestry

Geographical variability of forest varieties and its use in selection work and forest seed culture. Trudy Inst. lesa. 8, 1951

9. Monthly List of Russian Accessions, Library of Congress, September 1953, Uncl. x2

K-5

USSR / Forestry. Forest Cultures

Abs Jour: Ref Zhur-Biol., No 10, 1958, 43960

Author : Obnovlenskiy, V. M.

Inst : Bryansk Forest Management Institute

Title : Some Results of 45 Years of Experience in Creating Pine Cultures in the Briansk Experimental Forest.

Orig Pub: Tr. Bryanskogo lesokhoz. in-ta, 1957, 8, 55-77

Abstract: This article cites data on the history of cultures and describes the methods of creating cultures under the condition of various types of the forest. This study analyzes the results of cultures created by planting and sowing and different years

Card 1/2

ZABOROVSKIY, Yevgeniy Pavlovich; LISIN, Serafim Sergeyevich; SOBOLEV, Sergey Stepanovich. Prinimali uchastiye: VERESIN, M.M.; RUBTSOV, V.G.; OBNOVLENSKIY, V.M., prof., retsenzent; SHARAPOV, A.N., inzh.-lesovod, retsenzent

[Forest plantations and forest drainage] Lesnye kul'tury i lesnye melioratsii. Moskva, Izd-vo "Lrsnaia promyshlennost'," 1964. 391 p. (MIRA 17:5)

OBODA, B.

"Insuring the lubrication of turbogenerator bearings with oil."

p. 572 (Energetika) Vol. 7, no. 11, Nov. 1957
Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

OBODAN, N. M.

Obodan, N. M. "A study of the variation of rehabilitation i invalid-schizophrenics," Ogr.-metod. voprosy sovr. neyropsikiatrii (VII), 1948, p. 189-98

SO: U-3264, 10 April 53 (Letopis 'Zhurnal 'nykh Statey, No. 4, 1949).

OBODAN, N.M.

Organizing the prevention of accidents among children in Leningrad. Vop.okh.mat. i det. 1 no.6:68-72 N-D '56. (MLRA 10:1)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo detskogo ortopedicheskogo instituta imeni G.I.Turnera (dir. - prof. M.N.Goncharova), Leningrad.
(LENINGRAD--ACCIDENTS--PREVENTION)
(CHILDREN--CARE AND HYGIENE)

Obodan, N.M.

EPSHTEYN, G.Ya., prof.; OBODAN, N.M., starshiy nauchnyy sotrudnik

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(WOUNDS AND INJURIES
classif.)