L 27069-66 EWT(m) IJP(c) JXT(CZ)

ACC NR: AT6012259 SOURCE CODE: UR/3138/65/000/381/0001/0012

AUTHOR: Lapitskiy, Yu. Ya.; Khoroshkov, V. S.; Onosovskiy, K. K. 46

ORG: none* B+1

TITLE: The injector of the ITEF proton synchrotron 19

SOURCE: USSR. Gosudarstvennyy komitet po ispol'zovaniyu atomnoy energii. *Institut teoreticheskoy i eksperimental'noy fiziki. Doklady, no. 381, 1965. Inzhektor protonnogo sinkhrotrona ITEF, 1-12

TOPIC TAGS: proton accelerator, synchrotron, particle accelerator component, electrostatic generator/ ZG-5 electrostatic generator 10

ABSTRACT: The authors describe the improvements recently made on the ITEF proton synchrotron injector, which originally was a revamped ZG-5 electrostatic generator. The injector is designed for a two-week operating cycle, with minimum maintenance shutdown (12 hours) and minimum low-voltage preconditioning (20-30 hours). The vacuum system and the ion system (source, optical system, and ion transporter) are described in detail. With the ion source delivering a maximum pulse current of 0.3 a, the injector operates at present with a generator voltage of 4 Mev, a dc ion current 1-3 μa, an unseparated beam pulse of 40 ma at a pulse duration of 40 μsec, a proton pulse of 8-10 ma into the synchrotron at a pulse duration 20 μsec, and an energy

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ACC NR: AT6012259

stability 0.1%. It is claimed that from 1 January 1965 through 15 May 1965, the electrostatic generator served as an injector for 1924 out of the planned 2070 hours. Orig. art. has: 3 figures.

SUB CODE: 20/ SUBM DATE: 23Aug65/ ORIG REF: 002/ OTH REF: 001

Card 2/2

KhoRoshKova, E.D.

Experiments with thermophosphates prepared from Ukrainian phosphorites. O. V. Lazurskii and E. D. Khoroshkova. *Mestnye Mineral. Udobreniya Ukr. S.S.R.* (Kiev: Izdatel. Akad. Nauk Ukr. S.S.R.) *Sbornik* 1954, No. 1, 182–91; *Referat. Zhur., Khim.* 1956, Abstr. No. 20192.—Melted phosphates produced in elec. furnaces at 1450–1500° from Kridevets and Podolsk phosphorites and addn. of fluxes (soda or ground chamotte brick with iron slag) granulated with water cooling, and also Podolsk phosphorite heated in a muffle furnace (3 hrs. at 1250°), are used in agricultural expts. In the expts. with millet on clay soil, these materials show no advantage over ordinary phosphate flour as detd. by the content of labile forms of phosphoric acid in soil or by the effect on the crop (specifically on the grains). N. Vasiloff

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LAZURS'KIY, O.V.; KHOROSHKOVA, E.D.

On the fertilizer system for use in grain-beet crop rotation
Dop.AN URSR no.4:368-372 '55. (MLRA 9:2)

1.Institut fiziologii roslin ta agrokhimii AN URSR. Predstaviv diyesniy chlen AN URSR O.I.Dushechkin.
(Fertilizers and manures) (Rotation of crops)

GRYAZNOV, V.P.; KHOROSHKOVA, M.P.; POLOZHENTSEVA, N.G.; RZHECHITSKA, G.V.

Chromatographic and spectophotometric analysis of impurities in alcohol. Izv.vys.ucheb.zav.; pishch.tekh. no.5:157-164 59.
(MIRA 13:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut spirtovoy i likero-vodochnoy promyshlennosti.
(Alcohols)

KHOROSHMANENKO, M.Ya., dotsent.

Tissue therapy of abdominal adhesions. Khirurgiia, no.4:44-48 Ap '55. (MLRA 8:9)

1. Kafedra obshchey khirurgii (zav-zasluzhennyy deyatel' nauki prof. D. A. Vasilenko) i kafedra patologicheskoy anatomii (zav. prof. I.I. Medvedev) Dnepropetrovskogo meditsinskogo instituta (dir.dotsent D.P. Chykhriyenko)

(ADHESIONS,
abdom.tissue ther.)
(ABDOMEN, diseases,
adhesions, tissue ther.)
(TISSUE THERAPY, in various diseases,
adhesions in abdom.)

KHOROSHMANENKO, M.Ya., dotsent

Boris Gavrilovich Veksner; obituary. Nov.khir.arkh. no.2:96 Mr-Ap '57. (MLRA 10:8)
(VEKSNER, BORIS GAVRILOVICH, 1892-1956)

KHOROSHKANTSKO, N.Ya., Doc Med Sci--(diss) "Tissue therapy in adhesion disease of the abdominal cavity." Khar'kov,1958. 24 pp (Khar'kov State Med Inst), 200 copies (KL,49-58, 126)

GNILORYBOV, T.Ye.; KAMAYEV, M.F.; POZNYAKOV, K.I.; KHOROSHMANENKO, N.Ya.; CHUKHRIYENKO, D.F.

Dmitrii Averkievich Vasilenko. Nov. khir. arkh. no.2:138-139 Mr-Ap '59. (MIRA 12:7)
(VASILENKO, DMITRII AVERKIEVICH, 1883-)

KHORCHMANENKO, N.Ya., prof.; USENKO, L.V., kand. med. nauk; ZUYEVA, L.M.; NEMOZHINA, Ye.M.

Organization of a specialized department and therapeutic results in tetanus cases treated there. Klin. khir. no.3:70-74 '65. (MIRA 18:8)

1. Kafedra gospital'noy khirurgii I (zav. - prof. N.Ya. Khorchmanenko) Dnepropetrovskogo meditsinskogo instituta i anesteziologicheskoye otdeleniye Dnepropetrovskoy oblastnoy klinicheskoy bol'nitsy.

BEZPROZVANNYY, B.K.; GORBUNOVA, T.I.; KHORCSHO, M.N.; ANAN'YEV, V.A.

Morphological study of viruse[illegible] in epidemic hepatitis (Botkin's disease). Vop.med.virus. no.9 304-318 '64.

(MIRA 18:4)

KHOROSHOVA, O. V.

4

PHASE I BOOK EXPLOITATION SOV/5744

Akademiya nauk SSSR. Mezhduvedomstvennyy komitet po provedeniyu Mezhdunarodnogo geofizicheskogo goda. IV. razdel programmy MGG: Polyarnyye siyaniya i svecheniye nochnogo neba.

Issledovaniya polyarnykh siyaniy; sbornik statey (Investigations of Auroras: Collected Articles. No. 4) Moscow, Izd-vo AN SSSR, 1960. 77 p. 2,000 copies printed.

Resp. Ed.: B. A. Bagaryatskiy, Candidate of Physics and Mathematics; Ed.: Ya. I. Fel'dshteyn; Tech. Ed.: Ye. V. Makuni.

PURPOSE : This IGY publication is intended for geophysicists, astrophysicists, and other scientists concerned with auroras and related phenomena.

COVERAGE: The collection contains certain results of visual auroral observations as well as of the photographing and spectrographing of auroras made at Soviet stations during the IGY. No personalities are mentioned. English abstracts and references follow each article.

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Investigations of Auroras: Collected (Cont.) SOV/5744

AVAILABLE: Library of Congress

JA/dwm/jw
11-6-61

Card 3/3

KHOROSHUK, V.V., inzhener.

Mechanical snow removal in the Cheliabinsk junction. Zhel. dor. transp. 38 no.9:69-72 S '56. (MLRA 9:10)

1. Nachal'nik Chelyabinskoy distantsii puti Yuzhno-Ural'skoy dorogi.
(Chelyabinsk--Railroads--Snow protection and removal)

KOLOBAYEV, G.I., inzh.; KHOROSHUKHIN, I.B., inzh.

New standard plan for a veterinary clinic. Veterinariia 38 no.6:20-21 Je '61. (MIRA 16:6)
(Veterinary hospitals)

L 10135-63 BDS/EWT(1)/FCS(k)/EEC-2/ERD-2--APGC/ASD/ESD-3--Pi-4/Pj-4
~~Pi-4--WR~~
ACCESSION NR: AP300160 S/0141/63/006/002/0364/0372

AUTHOR: Tret'yakov, O. A.; Khoroshun, D. V.; Shestopalov, V. P. 74 73

TITLE: Electromagnetic-wave diffraction at a planar shielded array (normal incidence case) 25B

SOURCE: Izvestiya vysshikh uchebnykh zavedeniy, radiofizika, v. 6, no. 2, 1963, 364-372

TOPIC TAGS: electromagnetic-wave diffraction, shielded metal array

ABSTRACT: The mathematical method suggested by Z. S. Agranovich, et al. (ZhTF, 32, 382, 1962) is used to solve the problem of diffraction of a planar electromagnetic wave normally incident upon a shielded dielectric-filled array. The flat-strip array is parallel to a perfectly-conducting plane, and the space between them is filled with an isotropic dielectric having an arbitrary permittivity. Arbitrary relations between the wavelength, array pitch and strip width are considered. The above structure is important in examining the double-mirror antenna arrays and also in investigating the propagation of

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L 10135-63
ACCESSION NR: AP3000160

electromagnetic waves in ring-type and helical waveguides that operate in a dielectric medium. Orig. art. has: 17 equations and 6 figures.

ASSOCIATION: Khar'kovskiy gosudarstvenny*y universitet (Khar'kov State University)

SUBMITTED: 30Jun62 DATE ACQ: 12Jun63 ENCL: 00

SUB CODE: SD NR REF SOV: 003 OTHER: 000

Card 2/2

KHOROSHUN, G. (Poltava)

Frame antenna. Radio no.9:25 S '64. (MIRA 17:12)

L 63210-65 EWT(d)/EWT(m)/EWP(f)/T-2/EWA(c)

ACCESSION NR: AP5018524 UR/0304/65/000/004/0094/0097
62-713:621.436

AUTHORS: Sandomirskiy, M. G. (Candidate of technical sciences); Khoroshun, G. I. (Engineer)

TITLE: Investigation of the compound cooling system of the SMD-7 engine

SOURCE: Mashinostroyeniye, no. 4, 1965, 94-97

TOPIC TAGS: internal combustion engine, corrosion, engine cooling system/ SMD 7 engine, Moskvich 403 automobile

ABSTRACT: The purpose of the compound cooling system, as used in SMD-7 engines and in the "Moskvich-403" automobile, is to reduce the corrosion by SO_2 and SO_3 of the pistons and cylinder linings. This is accomplished by shortening the warming-up time and by maintaining the temperature at a higher level. The method consists of circulating the cooling water through the engine head jacket only. The latter is connected to the cylinder cooling jacket by passages for vapor bubbles formed on the outer surface of the cylinder linings. The bubbles condense in the circulating water stream. With the compound system and open radiator, thermal conditions become stabilized within 20 min from starting with

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L 63210-65

ACCESSION NR: AP5018524

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the cylinder lining at 72C (in a conventional system within 15 min and 50C respectively). When the radiator is covered by a curtain the same data are 20 min and 83C (in a conventional system 20 min and 75C respectively). With the compound system the temperature of the water leaving the head jacket was 46C and 67C (50C and 72C respectively with the conventional system). No difference in fuel consumption was observed at full load of 80 hp at 1700 rpm, but at half-load the compound system showed an economy of 10 g/hp hr. There are no difficulties in converting the conventional to a compound system. // In discussing engine corrosion, reference is made to an article by V. I. Bel'skikh[55] (Ratsional'naya skhema okhlazhdeniya dvigateley vnutrennego sgoraniya. "Avtomobil'naya promyshlennost'," 1961, No. 6). Orig. art. has: 2 graphs.

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00 SUB CODE: PR

NO REF SOV: 001 OTHER: 000

Card 2/2

KHOROSHUN, L. P. (Kiyev)

Rheologic relationships in continuous media in mechanical and thermal processes. Prykl. mekh. 8 no.6:653-657 '62.
(MIRA 15:10)

1. Institut mekhaniki AN UkrSSR.

(Rheology)

KHOROSHUN, L.P. (Kiyev)

Problems in the dynamics of plates in the presence of aftereffect and relaxation. Prykl.mekh. 9 no.2:143-150 '63. (MIRA 16:3)

1. Institut mekhaniki AN UkrSSR.
(Elastic plates and shells)

KHOROSHUN, L.P.

Thermodynamics of mechanical and thermal processes in continua. Vop. mekh. real'. tver. tela no. 2:107-113 '64.
(MIRA 17:9)

KHOROSHUN, L. P. (Kiev)

"Thermodynamic foundations of rheology".

report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow, 29 January - 5 February 1964.

S/021/63/000/003/012/022
D405/D301

AUTHOR: Khoroshun, L. P.

TITLE: Thermodynamics and some problems of theory of plasticity

PERIODICAL: Akademiya nauk UkrRSR. Dopovidi. no. 3, 1963, 340-342

TEXT: Proceeding from Onsager's generalized principle, which applies to a nonlinear relationship between the stress tensor σ_{ij} and the rate of inelastic strain $\dot{\varepsilon}^{p}_{ij}$, the author obtains the formula

$$\dot{\varepsilon}^{p}_{ij} = \lambda \frac{\partial D}{\partial \sigma_{ij}} \qquad (2)$$

where $D = T_{\sigma}$ is the rate of energy dissipation expressed in terms of the stress σ_{ij}, and λ is a proportionality factor which is a

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positive function of σ_{ij}. It is assumed that in the process of inelastic deformation the medium remains isotropic. For metals, stresses exist such that the rate of inelastic strain $\dot{\varepsilon}^p_{ij}$ changes sharply. Therefore, it is possible to assign an arbitrary surface in stress space - the creep surface - which divides the totality of stresses for which $\dot{\varepsilon}^p_{ij}$ can be neglected, from the stresses for which $\dot{\varepsilon}^p_{ij}$ is large as compared to the strain rate $\dot{\varepsilon}_{ij}$. The creep surface

$$D(\sigma_{ij}, \varepsilon^p_{ij}, T) - c = 0 \qquad (5)$$

is singled out; according to formula (2) it represents the plastic potential and it is convex. Mises' creep surface is a particular case of (5). By stipulating that the rates $\dot{\varepsilon}^p_{ij}$, which are higher in value than some given quantity, can be neglected, one obtains

singular creep surfaces. The conditions are also stated for obtaining the Tresca-Saint Venant creep surface.

ASSOCIATION: Instytut mekhaniky AN URSR (Institute of Mechanics of the AS UkrRSR)

PRESENTED: by Academician H. M. Savin of the AS UkrRSR

SUBMITTED: September 6, 1962.

KHOROSHUN, L.P.

Thermodynamics and some problems in the theory of plasticity. Dop. AN URSR no.3:340-343 '63. (MIRA 17:10)

1. Institut mekhaniki AN UkrSSR. Predstavleno akademikom AN UkrSSR G.N. Savinym [Savin, H.N.].

LAVRENT'. V.A.; KHOROSHUN, L.P.; FRANTSEVICH, I.N., akademik

Thermodynamics of heterogeneous catalysis processes. Recombinati of gas atoms on solid surfaces. Dokl. AN SSSR 159 no.4: 890-893 D '64 (MIRA 18:1)

1. Institut problem materialovedeniya AN UkrSSR i Institut mekhaniki AN UkrSSR. 2. AN UkrSSR (for Frantsevich).

KHOROSHUN, L.P.; LAVRENKO, V.A.; KARAGYAUR, G.N.; FRANTSEVICH, I.N., akademik

Thermodynamics of heterogeneous catalysis; effect of microdistortions in the crystal lattice of a solid. Dokl. AN SSSR 159 no.6:1391-1393 D '64 (MIRA 18:1)

1. Institut problem materialovedeniya AN Ukr.SSR i Institut mekhaniki AN Ukr.SSR. 2. AN Ukr.SSR (for Frantsevich).

ACCESSION NR: AP5006992 S/0198/65/001/001/0092/0097

AUTHOR: Khoroshun, L. P. (Kiev)

TITLE: Thermodynamic fundamentals of rheology

SOURCE: Prikladnaya mekhanika, v. 1, no. 1, 1965, 92-97

TOPIC TAGS: thermodynamic rheology fundamental, mechanical viscoelastic model, plastic strain, creep, strain hardening

ABSTRACT: The thermodynamic approach in discussing rheological problems in a continuum is substantiated. The interrelation between mechanical and thermal processes in a medium are studied, assuming the smallness of deformations and invariable density of the matter, and the most general rheological relationships are established. The linear and nonlinear functional relations between thermodynamic forces, strains, and thermal flux are discussed. Plasticity, creep, and strain-hardening phenomena in real materials (nonlinear stress-strain relationships in flow) are examined by applying the Onsager principle in a generalized form. The nonlinear rheological relationships between forces and flows are represented by a mechanical viscoelastic model in which the elements simulating the strain-hardening process are incorporated. This model makes it possible to explain the Bauschinger effect,

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L 32024-65

ACCESSION NR: AP5006992

afteraction, relaxation, the dependence of strain hardening on the rate of plastic deformations, transformation of a part of the mechanical energy into potential strain energy, and the origination of anisotropy. Orig. art. has: 3 figure and [illegible] formulas. [VK]

ASSOCIATION: Institut mekhaniki AN Ukr&SR (Institute of Mechanics, AN UkrSSR)

SUBMITTED: 16Mar64 ENCL: 00 SUB CODE: ME, TD

NO REF SOV: 004 OTHER: 001 ATD PRESS: 3200

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L 23220-66 EWT(d)/EWT(m)/EWP(w) IJP(c) BM

ACC NR: AP6013592 SOURCE CODE: UR/0198/65/001/004/0001/0011

AUTHOR: Savin, G. N. (Kiev); Khoroshun, L. P. (Kiev)

ORG: Institute of Mechanics, AN UkrSSR (Institut mekhaniki AN UkrSSR)

TITLE: Two-dimensional problem of physically nonlinear elastic bodies

SOURCE: Prikladnaya mekhanika, v. 1, no. 4, 1965, 1-11

TOPIC TAGS: elastic stress, elastic deformation, successive approximation

ABSTRACT: Relationships are established between the stresses and strains in a two-dimensional deformation of an elastic body, the material of which deviates slightly from Hooke's law. The two-dimensional problem of the physically nonlinear elastic body is represented by complex potentials of the Kolosov-Muskhelishvili type, and the solution is sought by means of the method of successive approximations. The general formulas for a multiconnected and infinite region are examined. The problem of the concentration of stresses near a curvilinear opening in an infinite plane is considered; certain problems of the concentration of stresses near a circular and an elliptical opening are cited as examples. Orig. art. has: 5 figures. [JPRS]

SUB CODE: 20 / SUBM DATE: 26Nov64 / ORIG REF: 006

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L 21752-66 EWT(m)/EWP(j)/T/ETC(m)-6 IJP(c) WW/RM

ACC NR: AP6007573 SOURCE CODE: UR/0198/66/002/002/0141/0142

AUTHOR: Khoroshun, L. P.

ORG: none

TITLE: Conference on polymer mechanics (Riga, 10-12 November 1965)

SOURCE: Prikladnaya mekhanika, v. 2, no. 2, 1966, 141-142

TOPIC TAGS: polymer, polymer structure, physics conference, polymer rheology, stress relaxation, shell deformation

ABSTRACT: The First Conference on Polymer Mechanics was held at Riga on 10-12 November 1965. It was organized by the Commission of Mechanics and Physics of Polymers, AN SSSR (Komissiya po mekhanike i fizike polimerov AN SSSR), Scientific Soviet "Scientific Bases of Strength and Plasticity" at the Division of Mechanics and Process Managing AN SSSR (Nauchnyy Sovet "Nauchnyye osnovy prochnosti i plastichnosti" pri Otdelenii mekhaniki i protsessov upravleniya AN SSSR), Scientific Soviet on High-Molecular Compounds at the Division of General and Technical Chemistry, AN SSSR (Nauchnyy Sovet po vysokomolekulyarnym soyedineniyam pri Otdelenii obshchey i tekhnicheskoy khimii AN SSSR), and the Institute of Polymer Mechanics, AN Latvian SSR (Institut mekhaniki polimerov AN Latviyskoy SSR). The chairman was A. K. Malmeyster. S. B. Aynbinder, Ye. K. Ashkenazi, G. M. Bartenev, Ye. L. Vinogradskaya, I. I. Gol'denblat, V. A. Kopnov, S. N. Zhurkov, V. I. Prosvirin,

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L 21752-66

ACC NR: AP6007573

31

V. V. Serensen, A. M. Skudra, and T. I. Sogolovaya reported on problems of the static strength of polymer materials. G. I. Barenblatt, L. A. Galin, N. P. Ivanov, V. A. Stepanov, V. A. Latishenko, Yu. S. Urzhumtsev, S. L. Skalozub, L. A. Faytel'son, and I. P. Briyedis reported on the effect of the dynamic nature of loading on the strength and mechanical characteristics of polymer materials. A. A. Il'yushin, P. M. Ogibalov, M. A. Koltunov, A. N. Nikolayevskiy, A. K. Malmeyster, I. V. Knets, A. F. Kregers, G. A. Teters, G. N. Savin, G. A. Van Fo Fy, L. P. Khoroshun, V. P. Tamuzh, A. Zh. Lagzdin'sh, Yu. M. Tarnopol'skiy, A. Y. Roze, G. G. Portnov, G. L. Slonimskiy, V. A. Polyakov reported on the regularities of rheological dependences and certain compositions based on them. Reports of I. V. Knets, A. F. Kregers, Yu. N. Rabotnov, and G. A. Teters were devoted to problems of the long-life stability of plates and shells. The conference resolved to intensify studies in the structural mechanics of polymers and engineering methods of designing polymer parts. It was also decided to endorse the general direction of the journal "Polymer Mechanics."

SUB CODE: 11, 20/ SUBM DATE: none

Card 2/2 UDC

L 09125-67 EWT(m)/EWP(w)/EWP(j) IJP(c) WW/EM/RM

ACC NR: AP6032396 (A) SOURCE CODE: UR/0198/66/002/009/0099/0106

AUTHOR: Khoroshun, L. P. (Kiev) 42

ORG: Institute of Mechanics AN UkrSSR (Institut mekhaniki AN UkrSSR)

TITLE: Thermoelastic properties of stochastically reinforced media

SOURCE: Prikladnaya mekhanika, v. 2, no. 9, 1966, 99-106

TOPIC TAGS: reinforced plastic, reinforced concrete, thermoelasticity, stochastic process, heat property 26

ABSTRACT: The author considers elastic media with stochastically distributed reinforcing elements. The correlation theory of random functions is used in deriving fundamental equations for the correlation moments which characterize the thermoelastic properties of structurally nonhomogeneous media and the results are used for determining the average thermoelastic characteristics. Expressions are derived for the coefficients of elasticity, thermal expansion and thermal conductivity of laminar, unidirectional fibrous and granular structures. Orig. art. has: 28 formulas. 15

SUB CODE: 11/ SUBM DATE: 02Feb66/ ORIG REF: 003

Card 1/1 nst

L 20782-66 EWT(d)/EWT(m)/EWP(w) IJP(c) EM

ACC NR: AP6005608 SOURCE CODE: UR/0233/65/000/003/0068/0073

AUTHORS: Kerimov, R. Yu.; Khoroshun, L. P.

37
B

ORG: none

TITLE: The elastoplastic stressed state of a plate with an opening

SOURCE: AN AzerbSSR. Izvestiya. Seriya fiziko-tekhnicheskikh i matematicheskikh nauk, no. 3, 1965, 68-73

TOPIC TAGS: flat plate, stress measurement, stress analysis, elastic stress, plastic strength, plastic deformation, elastic deformation

ABSTRACT: The stressed state and plastic zones around an opening in a plate are studied for materials with hardening. The work is based on the theory of small elasto-plastic deformations (A. A. Il'yushin. Plastichnost', Gostekhizdat, 1948). The stress deformation condition is expressed as

$$\sigma_{\kappa\kappa} = 3K\varepsilon_{\kappa\kappa},$$

$$\sigma'_{jk} = 2\mu\,[1 - \omega(e_i)]\,e'_{jk} \quad (j, \kappa = 1, 2, 3)$$

or

$$\varepsilon_{\kappa\kappa} = \frac{1}{3K}\sigma_{\kappa\kappa},$$

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$$\varepsilon'_{jk} = \frac{1}{2\mu}[1 + \varphi(\sigma_i)]\,\sigma'_{jk} \quad (j, k = 1, 2, 3),$$

where σ_{kk}, ε_{kk} are the mean stress and volume deformation; σ_{jk}, ε_{jk} are deviators of stress and deformation tensors; σ_i, ε_i are the intensities of tangential stresses and shear deformations; $\omega(\varepsilon_i)$, $\phi(\sigma_i)$ are the Il'yushin function and an analogous function for the second equations given above; K, μ are elastic constants. The planar stressed state for the second system is given by

$$\Sigma_{jk} = \frac{1}{2\mu}\sigma_{jk} + \frac{1}{3}\left(\frac{1}{3K} - \frac{1}{2\mu}\right)\sigma_{ll}\delta_{jk} + \frac{\varphi(\sigma_i)}{2\mu}\left(\sigma_{jk} - \frac{1}{3}\delta_{ll}\delta_{jk}\right),$$

where

$$\sigma_i = \frac{\sqrt{2}}{3}\sqrt{(\sigma_{11} + \sigma_{22})^2 + 3(\sigma_{12} - \sigma_{11}\sigma_{22})}.$$

The stress function F is defined as $\Delta\Delta F = q$,

where

$$q = -\frac{3K}{2(3K+\mu)}\left[2\varphi\Delta\Delta F + \frac{\partial^2\varphi}{\partial x^2}\cdot\frac{\partial^2 F}{\partial x^2} + 2\frac{\partial^2\varphi}{\partial x\partial y}\cdot\frac{\partial^2 F}{\partial x\partial y} + \frac{\partial^2\varphi}{\partial y^2}\cdot\frac{\partial^2 F}{\partial y^2} - \frac{1}{3}\Delta\varphi\cdot\Delta F + \frac{4}{3}\left(\frac{\partial\varphi}{\partial x}\frac{\partial\Delta F}{\partial x} + \frac{\partial\varphi}{\partial y}\cdot\frac{\partial\Delta F}{\partial y}\right)\right].$$

L 20782-66

ACC NR: AP6005606

This system may be used for a solution by successive approximations and is particularly suited to numerical methods on a digital computer. The case of the biaxial stressed state of a plate with a circular opening is developed. The stress function F is transformed to ordinary differential equation form for subsequent application of numerical methods. The method of Galerkin is used in converting F into a system of two ordinary equations. Boundary conditions are stated. The solution of concrete problems is saved for subsequent publications. Orig. art. has: 15 equations and 2 figures.

SUB CODE: 20/ SUBM DATE: 10Aug64/ ORIG REF: 010

Card 3/3 vmb

KHOROSHUN, N.D., mashinist-instruktor

Some suggestions about TGM1 diesel locomotive. Elek. i tepl. tiaga 4 no.10:26-27 O '60. (MIRA 13:10)

1. Depo "Oktyabr'", g.Makeyevka.
(Diesel locomotives)

KHOROSHUN, V.K., insh.; BIRMAN, L.G., insh.

Continuous supply of phosphate solution into a steam pipeline system. Energetik 8 no. 12:15 D '60. (MIRA 13:12)
(Steam)

TONGUR, V.S.; BALANDIN, I.G.; VYSHEPAN, Ye.D.; KHOROSHUTINA, E.B.

Synthesis of RNA in cell-free homogenates of leaves infected with tobacco mosaic virus. Vop. virus 8 no.2:142-144 Mr-Ap'63 (MIRA 16:12)

1. Institut biologicheskoy i meditsinskoy khimii AMN SSSR, Moskva.

BALANDIN, I.G.; KHOROSHUTINA, E.B.; TONGUR, V.S.

Study of the mechanism of DNA synthesis in extracts of Nicotiana glutinosa leaves infected with tobacco mosaic virus. Dokl. AN SSSR 155 no.1:201-203 Mr '64. (MIRA 17:4)

1. Institut biologicheskoy i meditsinskoy khimii AMN SSSR. Predstavleno akademikom A.N.Belozerskim.

BALANDIN, I. G.; KHOROSHUTINA, E. P.; TOMSUR, V. S.

"Sintez rnk virusa tabachnoy mozaiki in vitro."

report presented at Symp on Virus Diseases, Moscow, 6-9 Oct 64.

Laboratoriya biokhimii nukleinovykh kislot, Institut biologicheskoy i meditsinskoy khimii AMN SSSR, Moskva.

PETROV, Ye.D., kand.med.nauk; GUZEYEVA, I.S.; RYAZANTSEVA, N.F.; KHOROSHYN, G.M.

Treatment of pneumopleuritis in pulmonary tuberculosis on the Crimean southern shore [with summary in French]. Probl.tub. 37 no.1:84-87 '59. (MIRA 12:2)

1. Iz klimatoterapevticheskoy kliniki (zav. - kand.med.nauk Ye.D. Petrov) Instituta klimatoterapii tuberkuleza imeni I.M. Sechenova (dir. - prof. S.R. Tatevosov).

(TUBERCULOSIS, PULMONARY, compl.
pneumopleurisy, climatother. (Rus))
(CLIMATE,
climatother. of pneumopleurisy in tuberc. (Rus))

KHOROV, G.V.

Medical school at Yuratishki. Zdrav. Bel. 9 no.8:94 Ag '63
(MIRA 17:3)

MANKINA, N.S.; KHOROVER, N.N.

Intestinal obstruction in incomplete reverse development of the vitelline duct. Vest. khir. 93 no.8:84-87 Ag '64. (MIRA 18:7)

1. Iz kafedry khirurgii detskogo vozrasta (zav. - prof. G.A.Bairov) Leningradskogo pediatricheskogo meditsinskogo instituta (rektor - dotsent Ye.P.Semenova).

KHOROVETSKIY, M. [Khorovets'kyi, M.], inzh.; SOROKO, Yu., inzh.

New suggestions concerning building roofing for rural structures; some results of a competition for an aconomical roofing for rural construction. Sil'. bud. 13 no.11:19-21 N '63.
(MIRA 17:1)

KAPLUN, G.F.; PECHERSKIY, M.P.; KHOROVICH, B.G.

Noncontact amplitude device for automatic recording of transportation units. Priborostroenie no.3:26 Mr '63. (MIRA 16:6)

(Recording instruments)

NEDESHAN, Sh.A.; ROTENSHTEYN, B.F.; KHOROVITS, B.A.; SAFTA, V.I.

Increasing fatigue resistance by electrolytic plating with an iron-nickel alloy. Metalloved. i term. obr. met. no.12: 37-40 D '62. (MIRA 16:1)

1. Timishorskiy politekhnicheskiy institut, Rumyniya.
(Steel--Fatigue) (Electroplating)

SOV/106-58-7-9/18

AUTHORS: Khorov, A.S. and Bushuyev, V.M.

TITLE: Questions of the Reduction of Induced Voltages (Voprosy umen'sheniya induktirovannykh napryazheniy)

PERIODICAL: Elektrosvyaz', 1958, Nr 7 pp 56 - 63 (USSR)

ABSTRACT: V.N. Kuleshov has cited the following possible methods of reducing the electromagnetic influence of one transmission line on another: separation; suitable siting; transposition of the conductors; the matching of all circuits; compensation by counter-coupling; screening. The present article is devoted to the last 2 methods. Figure 1 shows a possible simple method of screening between 2 circuits using a single wire running parallel to the circuits. Eq.(5) is an expression for the screening coefficient. Analysis of this expression shows that in practice it is quite impossible to obtain a screening action anything like ideal. Tables 1 and 2 give the values of the modulus of a quantity proportional to the coefficient of mutual inductance between the separate sections of the circuit. The only possible way of improving the performance of the screening wire is to reduce its series resistance and also to reduce the earthing resistance at its ends. A

Card 1/3

further difficulty is that in practice we must consider the mutual influence of a 3-phase circuit and a 1-phase communication circuit. It proves impossible to obtain adequate de-coupling of both the main and zero phase sequence currents. Figure 2 shows the principle of the compensating method whereby the communication circuit is taken in a loop near the power line. The magnitude of the induced e.m.f. is given by Eq.(6). Examination of this expression shows that circumstances conspire to prevent optimum choice of loop dimensions. The shorter we make the loop side l_1 the nearer it must be placed to the source of interference. The lower limit to this proximity is determined by safety considerations. In order to establish the validity of the above theory, experiments were carried out on one of the experimental sections of the MPS. The frequency used was 50 c/s and the connection arrangements as in Figures 3 and 4. Table 3 compares the measured and calculated values of screening coefficient. The maximum error does not exceed 6.5%. In conclusion, it is stated that the physical facts which

prevent high performance with these methods are the logarithmic dependence of mutual inductance on distance and the minimum separation dictated by voltage breakdown. There are 4 figures, 3 tables and 3 references, 2 of which are Soviet and 1 English.

SUBMITTED: July 5, 1957

1. Communication systems--USSR 2. Transmission lines--Electromagnetic effects 3. Voltage--Reduction

MIKHAYLOV, Mikhail Ivanovich; RAZUMOV, Aleksandr Sergeyevich; KHOROV, Leonid Davydovich; BALAKIREV, A.F., red.; ROMANOVA, S.F., tekhn.red.

[Protection of wire communications lines from the electromagnetic effect of high-voltage power transmission lines] Zashchita ustroistv provodnoi sviazi ot elektromagnitnogo vliianiia linii vysokogo napriasheniia. Moskva, Gos.izd-vo lit-ry po voprosam sviazi i radio, 1961. 70 p. (MIRA 14:12)

1. TSentral'nyy nauchno-issledovatel'skiy institut svyazi Ministerstva svyazi SSSR (for Mikhaylov, Razumov, Khorov).
(Telephone lines--Overhead) (Shielding (Electricity))
(Telegraph lines)

KHOROVER, N.N.; AVIDON, D.B., zaveduyushchiy; VINOGRADOVA, V.A., glavnyy vrach; SHATSKIY, A.V., professor, zaveduyushchiy kafedroy.

Fibroma of the mesentery of the small intestine in a child. Vest.khir. 73 no.5:60-61 S-O '53. (MLRA 6:11)

1. Khirurgicheskoye otdeleniye detskoy bol'nitsy im. doktora Raukhfusa (for Avidon). 2. Detskaya bol nitsa im. doktora Raukhfusa (for Vinogradov). 3. Kafedra khirurgii detskogo vozrasta Leningradskogo gosudarstvennogo pediatricheskogo meditsinskogo instituta (for Shatskiy). (Mesentery--Tumors)

AVIDON, D.B.; KHOROVER, N.N.

Operative treatment of fibromas of the large intestine in children. Vest. khir. 85 no. 8:127-129 Ag '60. (MIRA 14:1)
(INTESTINE—TUMORS)

KAPLUN, G.F., inzh.; PECHERSKIY, M.P., inzh.; KHOROVICH, B.G., inzh.

Using automatic and remote control in controlling traffic.
Gor. khoz. Mosk. 33 no.5:33-36 My '59.
(MIRA 12:7)

1.Proyektnaya kontora "Mosgortransproyekt."
(Moscow--Traffic signs and signals) (Automatic control)
(Remote control)

L 40239-66 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l) BC

ACC NR: AP6021400 SOURCE CODE: UR/0103/66/000/006/0188/0199

AUTHOR: Zhozhikashvili, V. A. (Moscow); Khorovich, B. G. (Moscow)

65
B

ORG: none

TITLE: The computation of some probability characteristics in the information transmission process for a particular class of a centralized control system

SOURCE: Avtomatika i telemekhanika, no. 6, 1966, 188-199

TOPIC TAGS: stochastic process, function analysis, probability theory, memory core, data processing system, data transmission, information theory

ABSTRACT: In this paper, the authors analyze an instance when to a central point in a closed-loop control system there is to be transmitted only an alerting signal to the effect that a pulse has appeared at the output of the source (the information source being, in this case, a sensing unit) while the parameters of the pulse itself are of no importance from the point of view of the subsequent processing of the information which it contains. Such an information-collecting system using cyclic telemechanical devices can be realized in one of two ways: with memory units or without them. The selection, therefore, of the optimal system configuration involves the problem of determining the criteria fixing the quality of the data transmission process. A

Card 1/2 UDC: 62-519

L 40239-66

ACC NR: AP6021400

method is outlined whereby certain of these criteria can be determined: the probability of structural loss of information and of the acquisition of false messages. A centralized control system which performs the function of counting the number of pulses arising at the sources of the information flow is thus analyzed. The probability factors of a structural information loss and of the receipt of false information are analyzed for a system of this type without memory devices. For systems with memories a determination is made of the upper limit in the estimation of the probability that a structurally-related information loss will occur. Orig. art. has: 8 figures and 45 formulas.

SUB CODE: 09/ SUBM DATE: 20Jul65/ ORIG REF: 001/ OTH REF: 000

Card 2/2

KAPLUN, G.F., inzh.; PECHERSKIY, M.P., inzh.; KHOROVICH, B.G., inzh.

Cybernetic traffic light. Za bezop.dvizh. 3 no.7:1-2 Jl '60.
(MIRA 13:8)

1. "Mosgortransproyekt."
(Traffic signs and signals)

KHOROVICH, L.

Avtomobil - po zheleznym i gruntovym dorogam. [An automobile - by rail and dirt roads]. (Zheldor. transport, 1947, no. 2, p. 88-90).

DLC: HE7.Z5

SO: Soviet Transportation and Communication, A Bibliography, Library of Congress Reference Department, Washington, 1952, Unclassified.

S/129/62/000/012/008/013
E073/E351

AUTHORS: Nedeshan, Sh.A., Rotenshteyn, B.F., Khorovits, B.A. and Safta, V.I.

TITLE: Increasing the fatigue strength by plating with an iron-nickel alloy

PERIODICAL: Metallovedeniye i termicheskaya obrabotka metallov, no. 12, 1962, 37 - 40

TEXT: The influence of plating the steels 45 and 60 with an Fe-Ni alloy and the influence of the thickness of the layer (25, 50 and 100 μ) on the fatigue strength were investigated. Conclusions: Ni-Fe layers deposited by plating with a low bath voltage improves the fatigue strength of the base material; the fatigue strength depends hardly at all on the thickness of the deposited layer; this is attributed to the lower internal stresses in layers deposited by plating. There are 4 figures and 1 table.

ASSOCIATION: Timishorskiy politekhnicheskiy institut, Rumyniya (Timişoara Polytechnical Institute, Rumania)

Card 1/1

KHOROVITS, K. K. Cand Biol Sci -- (diss) "On the physiological ~~basis of~~ justification for the pre-sowing effect upon ~~treatments of~~ seeds." Mos, 1957. 23 pp including cover; 1 sheet of tables (Mos Order of Lenin Agr Acad im K. A. Timiryazev), 110 copies (KL, 5-58, 101)

KHOROVODOV, V.

Fireproofing wooden structures by impregnation. Muk.-elev.prom. 22 no.1:29 Ja '56. (MLRA 9:5)

1. Saratovskaya oblastnaya kontora Zagotzerno.
(Fireproofing)

KHLEBNIKOV, A.M.; KHOROZ, V.I., kand. tekhn. nauk; SHARKEVICH, P.A.

Arched tires used on dirt roads. Avt. prom. no. 5:26-28 My '58.
(MIRA 11:7)

1. Gosudarstvennyy soyuznyy ordena Trudovogo Krasnogo Znameni nauchno-issledovatel'skiy avtomobil'nyy i avtomotornyy institut.
(Motortrucks--Tires)

1. KHOROZ, V.S.

2. USSR (600)

4. Hydraulic Engineering

7. Consultation on hydromechanization, Docent V.S. Knoroz, Gidr.stroi. 22 no. 2, 1953.

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

KHOROZEL'SKITE, Ch.M.

First correspondence conference and a meeting of young chemists.
Khim. v shkole 15 no.6:91-92 N-D '60. (MIRA 13:11)
(Chemistry--Congresses)

KHOROZEL'SKITE, Ch.M;

Second correspondence conference of young chemistry amateurs.
Khim. v shkole 16 no.1:71 Ja-F '61. (MIRA 14:1)
(Chemistry—Study and teaching)

KHOROZEL'SKITE, Ch.M.

Work of the young amateur chemists of Kaliningrad Province.
Khim. v shkole 16 no.5:95 S-O '61. (MIRA 14:9)
(Kaliningrad Province--Chemistry--Study and teaching)

KHOROZYANTS, A.G., kandidat tekhnicheskikh nauk.

Designing compound marine power plants. Sudostroenie 22 no.3: 18-22 Mr '56. (MLRA 9:8)

(Marine engines)

KHOROZYANTS, A.G., kand.tekhn.nauk

Reasons for using and the characteristics of gas turbine plants with propulsive turbines of medium pressure. Trudy NTO sud.prom. 8 no.1:79-93 '58. (MIRA 13:5)
(Marine gas turbines)

KURZON, Ananiy Grigor'yevich, doktor tekhn.nauk, prof.; LITAVRIN, Oleg Grigor'yevich, inzh.; PETROV, Yevgeniy Valerianovich, inzh.; POTYAYEV, Vyacheslav Andreyevich, kand. tekhn.nauk; KHOROZYANTS, Aleksandr Georgiyevich, kand. tekhn nauk; CHERTKOV, Aleksandr L'vovich, Laureat Leninskoy premii; YUTKEVICH, Rostislav Mikhaylovich, inzh.; MOISEYEV, A.A., doktor tekhn.nauk, prof., retsenzent; MASLOV, A.A., kand. tekhn. nauk, dots., retsenzent; ZAYTSEV, Yu.I., kand. tekhn. nauk, retsenzent; KOZHEVNIKOV, A.V., kand. tekhn.nauk, retsenzent; GITEL'MAN, A.I., inzh., retsenzent; SMIRNOV, Yu.I., red.; TSAL, R.K., tekhn. red.

[Marine steam and gas turbines]Sudovye parovye i gazovye turbiny. Pod red. A.G.Kurzona. Leningrad, Sudpromgiz. Vol.2. [Systems and working principle of turbomachinery units] Sistemy i ustroistva turboagregatov. 1962. 419 p. (MIRA 15:11)

(Marine turbines)

2

SOV/6240

PHASE I BOOK EXPLOITATION

Kurzon, Ananiy Grigor'yevich, Oleg Grigor'yevich Litavrin, Yevgeniy Valerianovich Petrov, Vyacheslav Andreyevich Potyayev, Aleksandr Georgiyevich Khorozyants, Aleksandr L'vovich Chertkov, and Rostislav Mikhaylovich Yutkevich

Sudovyye parovyye i gazovyye turbiny. tom. 2: Sistemy i ustroystva turboagregatov (Marine Steam and Gas Turbines. v. 2: Systems and Devices of Turbine Units). Leningrad, Sudpromgiz, 1962. 419 p. Errata slip inserted. 5000 copies printed.

Ed. (Title page): A. G. Kurzon, Doctor of Technical Sciences, Professor; Reviewers: A. A. Moiseyev, Doctor of Technical Sciences, Professor, Yu. I. Zaytsev, Candidate of Technical Sciences, Docent, A. I. Gitel'man, Engineer, L. A. Maslov, Candidate of Technical Sciences, Docent, A. V. Kozhevnikov, Candidate of Technical Sciences; Ed.: Yu. I. Smirnov; Tech. Ed.: R. K. Tsal.

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Marine Steam and Gas Turbines (Cont.) SOV/6240

PURPOSE: This book is intended for steam and gas-turbine designers, service personnel, technical, engineering, and scientific personnel, and for teachers and students in transportation and shipbuilding institutes.

COVERAGE: In this volume steam turbomachine systems and units and gas-turbine engines and installations are analyzed. No references are given.

TABLE OF CONTENTS [Abridged]:

PART I. SYSTEMS AND UNITS OF STEAM TURBOMACHINES

Card 2/2

KHORFYAKOV, Orfey Trofimovich; PADERNO, Yuriy Borisovich; DZEGANOVSKIY, Vadim Petrovich [Dzehanovs'kyi, V.P.]; SAMSONOV, G.V.[Samsonov, H.V.], red.; YEFIMOVA, M.I. [IEfimova, M.I.], tekhn. red.

[Standard X-ray patterns of hard and high-melting alloys] Etalonni rentgenogramy tverdykh i tuhoplavkykh spoluk. Pod red. H.V.Samsonova. Kyiv, Vyd-vo Akad.nauk URSR, 1961. 62 p. (MIRA 15:2)

1. Chlen-korrespondent Akademii nauk USSR (for Samsonov).
(Alloys--Metallography) (Intermetallic compounds)
(Ceramic-metals--Metallography)

ACCESSION NR: AP4041575 S/0078/64/009/007/1529/1533

AUTHOR: Lyutaya, M. D.; Samsonov, G. V.; Khorpyakov, O. T.

TITLE: Germanium nitrides

SOURCE: Zhurnal neorganicheskoy khimii, v. 9, no. 7, 1964, 1529-1533

TOPIC TAGS: germanium nitriding, germanium dioxide nitriding, germanium nitride, germanium nitride structure

ABSTRACT: Conditions of synthesis of germanium nitrides have been studied with 99.99% pure germanium and chemically pure germanium dioxide as initial materials. Nitriding was performed in ammonia or nitrogen. Germanium nitride with a composition near the stoichiometric composition of Ge_3N_4 was obtained by nitriding in ammonia a mixture of germanium with ammonium carbonate (added to prevent coking) in a 1:2 ratio. Germanium begins to react with nitrogen at 700—750C; at 870C germanium nitride begins to decompose. Nitriding for 1 hr at 800C yielded a nitride with a nitrogen content of 20.52%, compared to the stoichiometric 20.46%. Satisfactory results were also obtained

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ACCESSION NR: AP4041575

with nitriding of germanium dioxide. Addition of ammonium carbonate to germanium dioxide decreased the reaction temperature to 750C and holding time to 1 hr from 800C and 4 hr without ammonium carbonate. X-ray diffraction analysis of the germanium nitride obtained from germanium and germanium dioxide showed that both have rhombohedral structures with the lattice constant a = 8.567Å and α = 107°54'. Germanium nitride is fully resistant to oxidation in air up to 750—800C. In nitrogen it remains stable at temperatures up to 850C. At 900C it decomposes into elements without formation of lower nitrides. Orig. art. has: 2 figures and 6 tables.

ASSOCIATION: Institut metallokeramiki i spetsial'ny*kh splavov AN UkrSSR (Institute of Powder Metallurgy and Special Alloys, AN UkrSSR)

SUBMITTED: 25May63 ATD PRESS: 3065 ENCL: 00

SUB CODE: IC, MM NO REF SOV: 006 OTHER: 007

Card 2/2

LYUTAYA, M.D.; SAMSONOV, G.V.; KHORPYAKOV, O.T.

Germanium nitrides. Zhur. neorg. khim. 9 no.7:1529-1533 Jl '64. (MIRA 17:9)

1. Institut metallokeramiki i spetsial'nykh splavov AN UkrSSR.

BRON, V.A.; ZAMOTAYEV, S.P.; MEDYAKOVA, M.V.; SEMAVINA, K.P.; KHORSHAVIN, L.B.

Production and plant testing of magnesite-chromite concrete. Ogneupory 26 no.3:115-123 '61. (MIRA 14:4)
(Refractory concrete)

KHORSHEV, K.S.

Self-unloading containers at the Gorkiy Automobile Plant.
Avt. prom. 30 no.5:1-2 My '64. (MIRA 17:9)

1. Gor'kovskiy avtozavod.

BOBROV, A.I.; TURBANOVA, A.D.; POPOV, B.Ye.; CHEREPANOV, V.N.; KHORSHEV, V.M.

Acid sulfite pulping by the use of a magnesium base. Bum. prom. no. 2:5-8 F '64. (MIRA 17:3)

1. Moskovskiy filial Vsesoyuznogo nauchno-issledvoatel'skogo institute tsellyulozno-bumazhnoy promyshlennosti (for Bobrov, Turbanova).
2. Visherskiy kombinat (for Popov, Cherepanov, Khorshev).

KHORSOVA, N.I

FEDOTOVA, V. A;KHORSOVA, N. I.

Clinical aspects of chronic poisoning with phenacetin. Klin. med., Moskva 30 no.4:88 Apr 1952. (CLML 22:2)

1. Of the Department of the Propedeutics of Internal Diseases (Head -- Prof. M. A. Brener), Kazakh Medical Institute imeni V. M. Molotov, Alma-Ata.

AL'MUKHAMBETOVA, N.S.; KHORSOVA, N.I.

Balance of vitamin B_{12} in cancerous lesion of the stomach in connection with its resection. Trudy Inst. klin. i eksp. khir. AN Kazakh. SSR 8:118-120 '62. (MIRA 17:7)

KHORST, G. O.

KHORST, G. O.- "Problems of Design of Non-flooding Irrigation Systems." Min of Higher Education USSR, Tashkent Inst of Engineers of Irrigation and Mechanization of Agriculture (TIIIMSKh), Tashkent, 1955 (Dissertations for Degree of Candidate of Technical Sciences)

SO: Knizhnaya Letopis' No. 26, June 1955, Moscow

Abstract: The final calculations for irrigation periods and rates and an exposition of the irrigation systems are presented for corn growing under the slightly saline [illegible] conditions of Goloduaya Steppe with a horizon of ground waters at a depth of 2-2.5 meters and for milo [Russ. dzhugara, Sorghum cernuum Host.]

for green stuff growing on the heavy loam sulfur soils of salt marshes.

Card : 1/2

Card : 2/2

TYULENEV, A.M.; BUZUNOV, I.A.; ASKAROV, A.A., kand. tekhn. nauk; OSTANKOV, A.G., kand. tekhn. nauk; IVANOV, A.I., kand. tekhn. nauk [deceased]; KHORST, G.O., kand. tekhn. nauk; BUTYRIN, M.V., kand. tekhn. nauk; PEREVERZEV, S.K., kand. tekhn. nauk; KRIVONOSOVA, N.A., red.

[Manual for irrigation engineers] Spravochnik gidrotekhnika-irrigatora. Tashkent, Uzbekistan. Pt.2. 1964. 328 p. (MIRA 18:10)

KHORST, G.O.

New technique in the irrigation project of the State Farm No.4 in the Golodnaya Steppe. Mat. po proizv. sil. Uzb. no.15:347-353 '60. (MIRA 14:8)

1. Sredazgiprovodkhlopok.
(Golodnaya Steppe--Irrigation)

KHORST, G.O.

Some problems in designing the irrigation network for a cotton farm. Trudy TIIMSKH no.8:16-32 '57. (MIRA 15:5)
(Cotton—Irrigation)
(Irrigation canals and flumes)

BUZUNOV, I.A., dots.; GRIBANOV, I.I., dots.; IVANOV, A.I., prof. [deceased]; MASLOV, M.I., dots.; RACHINSKIY, A.A., dots.; TROITSKIY, A.A., dots.; TROITSKIY, A.V., prof.; KHORST, G.O., dots.; BEN'YAMINOVICH, E.M., retsenzent; KRITSKIY, V.M., retsenzent; POYARKOV, V.F., retsenzent; BATURIN, S.I., spets. red.; TIKHONOVA, I., red.; BAKHTIYAROV, A., tekhn. red.

[Manual for hydraulic and irrigation engineers] Spravochnik gidrotekhnika-irrigatora. [By] I.A.Buzunov i dr. Tashkent, Gosizdat UzSSR. Pt.1. 1962. 442 p. (MIRA 16:7)
(Hydraulic engineering) (Irrigation)

KHORST, M.A., gvardii polkovnik med. sluzhby

Problem of searching for and collecting wounded in combat under night conditions. Voen. med. zhur. no.4:60-62 Ap '57. (MIRA 12:7)
(WAR,
collection of wounded in combat in night cond. (Rus))
(WOUNDED AND SICK,
same)

KAZAKOV, D.S., inzh. (stantsiya Kurgan, Yuzhno-Ural'skoy dorogi); KHORT, I.L.; LOBANOV, Ye.I., dorozhnyy master (stantsiya Kashira, Moskovskoy dorogi); MEBYKOV, A.F., pensioner, byvshiy dorozhnyy master (stantsiya Kotel'nikovo, Severo-Kavkazskoy dorogi)

How to achieve economies in spending allocations for snow control. Put' i put.khoz. no.12:5 D '59. (MIRA 13:4)

1. Nachal'nik distantsii puti, stantsiya Novyy Oskol, Moskovskoy dorogi (for Khort).
(Railroads--Snow protection and removal)

CHEYNYUK, I.Yu.; IVANOV, Yu.A.; KHONT, I.P.

Automated method of planning assembly-line organization of operations (AMPPOR). Vych. i org.tekh. v stroi. i proekt. no.2:18-29 '64. (MIRA 18:10)

1. Gosudarstvennyy institut tipovogo i eksperimental'nogo proyektirovaniya i tekhnicheskikh issledovaniy Gosstroya SSSR.

SHEYNYUK, L.Yu.; IVANOV, Yu.A.; KHORT, L.P.

Some problems in planning construction with the use of network scheduling. Prom. stroi. 42 no. 6:4-6 '65. (MIRA 18:12)

1. KHORT, N. A.

2. USSR (600)

4. Electric Power--Distribution

7. Complex distributing installations. Prom.energ., 10, no. 1, 1953.

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

KHORT, M.A.

KHORT, M.A., inzhener.

Thermal calculation of the cubicle for unit-type switchgear.
Vest.elektroprom. 27 no.9:55-56 S '56. (MLRA 10:9)
(Electric switchgear)

KHORT, N.A., inzh.

"Electric equipment for hoisting and conveying machinery" by A.G. Mekler. Reviewed by N.A. Khort. Prom.energ. 16 no.9:57-58 S '61. (MIRA 14:8)
(Hoisting machinery--Electric equipment)
(Conveying machinery--Electric equipment)
(Mekler, A.G.)

KHORTOLOMEY, M.

MEDICINE

History of medical relations between Rumania and Russia. Sov. zdrav. 11 no. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, September 1952, Unclassified.

USSR/Human and Animal Physiology. Respiration. T-6

Abs Jour: Ref Zhur-Biol., No 12, 55654.

Author : Khartolamov, N.
Inst : Academy of Medical Sciences (RNR)
Title : An Experimental Investigation of the Reflectory Regulation of Respiration.

Orig Pub: Zh. med. nauk Acad. RNR, 1956, 1, No 2, 105-117.

Abstract: The papers of the author and of his co-workers are reviewed, which investigate the respiratory reflex rregulation caused by irritations of the upper respiratory tract chemoreceptors, of the bronchi, and of the lungs, as well as by the fluctuating composition of the inhaled air, and by the perfusion of isolated extremities which have retained only the neutal connection with the rest of the body; and

Card : 1/2

RUMANIA / Pharmacology and Toxicology. Local Anaesthetic Agents. V-3

Abs Jour : Ref Zhur - Biol., No 16, 1958, No 75754

Author : Khortolomay, N.; Bushu, I.; Roman, S.
Inst : Not given
Title : Experimental Basis of Administration of a Novocain Perfusion in Surgery.

Orig Pub : Rumynsk. med. Obozreniye, 1957, 1, No. 1, 89-97

Abstract : Novocain (I) introduced into the tissue as a nerve block acts locally, by impairing the conductivity of impulses, and resorptively. The absorption rate of I and the duration of the resorptive effect depend on the place of introduction. The general effect of I is stopped with its destruction by a novocain-esterase of plasma. By using an internal infusion of a solution of I during operations, the authors observed the elimination of reflex impairments of respiration upon removal of internal organs. The experimental analysis of this fact showed that I exerts regulating

Card 1/2

KHORTOLOMEY, N.

KHORTOLOMEY, N., (Bukharest)

Achievements of the Koltsya surgical clinic in the past decade.
Mkaper.khir. 2 no.5:18-24 S-O '57. (MIRA 11:2)
(SURGERY
in Rumania (Rus))

KHORTOLOMEY, N., professor; ROMAN, S.; KHAZNASH, N. (Bukharest)

Diagnosis and surgical treatment of some therapeutic forms of hematulia. Vest.khir. 78 no.1:83-89 Ja '57. (MLRA 10:3)
(HEMATURIA
diag. & surg. of therapeutic forms)

KOROVYAKOV, I.A.; NELYUBIN, A.Ye.; RAYKOVA, Z.A.; KHORTOVA, L.K.; GON'SHAKOVA, V.I., nauchnyy red.; POSPELOVA, A.M., red.izd-va; IYERUSALIMSKAYA, Ye., tekhn.red.

[Origin of Noril'sk trap intrusions bearing sufide copper-nickel ores.] Proiskhozhdenie noril'skikh trappovykh intruzii, nesushchikh sul'fidnye medno-nikelevye rudy. Moskva, Gosgeoltekhizdat, 1963. 100 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut mineral'nogo syr'ia. Trudy, no.9). (MIRA 17:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya (for Korovyakov, Nelyubin, Raykova, Khortova).

SOKOLOV,N., inzhener

New book for millers ("Production technology for wheat and rye flour." L.E.Aizikovich, B.N.Khortsev.) Reviewed by N.Sokolov) Muk.-elev.prom. 21 no.9:32-3 of cover S'55. 1954 (MLRA 8:12)
(Grain milling)(Aizikovich, Leonid Efimovich) (Khortsev,B.N.)