E

RUMANIA/Virology - Viruses of Man and Animals. Viruses of Hepatitis.

: Ref Zhur Diol., No 6, 1959, 23891 Abs Jour

: Popper, A., M.zes, C. Author

Inst

: On the Problem of the Role of Epidemic Hepatitis in the Tit…e

Etiology of Diabetes Mellitus.

: Viata med., 1958, 5, No 5, 433-438 Oric Pub

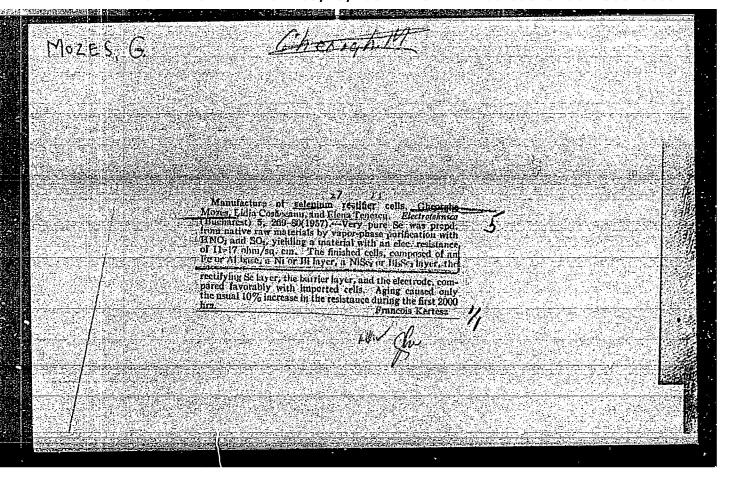
Abstract : No abstract.

#1226

END

Card 1/1

- 34 -



MUZES (. h.

RUMANIA/Chemical Technology. Chemical Products and Their

H

Application, Part 3. - Treatment of Natural Gases and Mineral Oil, Motor and Rocket Fuel, Lubricants.

Abs Jour: Referat. Zhurnal Khimiya, No 21, 1958, 71996.

Author : Gheorghe Mozes, Lidia Cosaceanu.

Inst Title

: Study of Stability of Transformer Oil.

Orig Pub: Electrotehnica, 1957, 5, No 9, 299-304.

Abstract: The results of the study of the anti-oxidizing

effect of 2,6-di-tert-butyl-n-cresol and n-oxydiphenylamine on transformer oils (TO) of various brands, as well as technico-economical considerations regarding the application of anti-oxidents

for rising the TO stability are presented.

Card : 1/1

85C87

5.2400

R/003/60/011/008/003/00 A125/AGG

AUTHORS:

Roman, P., Mózes Gh.

TITLE:

Research on the Production of High-Purity Silicon for Semiconductors Report I. Production of Boron-Free Silicon Rods From Silicon Tetra-

chloride and Lithium-Aluminum Hydride $\sqrt[l]{}$

PERIODICAL:

Revista de Chimie, 1960, Vol. 11, No. 8, pp. 464 - 468

TEXT: The production of pure silicon from silane was studied by Wilson (Ref. 1), Kreshevnikova (Ref. 4) and others (Ref. 5). This method has the advantage that only a single gaseous component i.e., silane, is introduced, which can be easily purified. The most important procedure for the preparation of silane can be divided into three cathegories: 1) Decomposition of silicons with acids (Ref. 6); 2) Disproportioning of the substituted silanes (Ref. 4), and 3) Reduction of silicon components with lithium-aluminum hydride, (Refs. 7, 8, 18). The last procedure where SiCl₄ is reduced by Li [AlH₄] proved to be the most advantageous method. The application of this method is only influenced by the production of Li [AlH₄], which is very expensive. Silicon tetrachloride was prepared in a pilot station made by I.C.E.T. (Ref. 9). Lithium-aluminum hydride was produced starting Card 1/3

R/003/60/011/008/003/005 A125/A026

Research on the Production of High-Purity Silicon for Semiconductors Report I. Production of Boron-Free Silicon Rods From Silicon Tetrachloride and Lithium-Aluminum Hydride

from Li2CO3 in successive phases as follows 1) Preparation of lithium: According to Refs. 10 and 12, lithium metal can be prepared by reduction of the lithium salt by vacuum metallurgy and by electrolysis of the LiCl melting. The second method is more advantageous. Lithium chloride was obtained by treating Li2CO2 with HCl. 2) Preparation of lithium hydride: According to Albert (Refs. 11 and 12) LiH can be obtained by direct hydrogenation of molten lithium at temperatures ranging from 450 - 700°C. Novetny (Ref. 13) produced lithium by hydrogenating lithium amalgam. Another procedure (Ref. 14) consists in the reduction of $ext{LiO}_2$ with Mg. The authors used the hydrogenation of lithium. 3) Preparation of lithium-aluminum hydride: Li [AlHu] studied by Schlesinger and Finholt (Ref. 15) can be prepared by reaction of LiH and $AlCl_3$ or, of LiH and $AlBr_3$ in etheric solution Although the secon method proved to be more advantageous. AlCl $_{3}$ was used for the industrial production of Li [AlH $_{
m L}$], because AlBr $_{
m S}$ is less accessible. Silane was produced by introducing SiCl $_{\mu}$ into an etheric solution of Li [AlH $_{\mu}$] having an excess of 10% against SiCl $_{\mu}$. The disengaged SiH $_{\mu}$ is passed through different devices into the decomposing chamber, where it is deposited on a 220 mm long, 2 mm Card 2/3

R/003/60/011/008/003/005 A125/A026

Research on the Production of High-Purity Silicon for Semiconductors. Report J Production of Boron-Free Silicon Rods from Silicon Tetrachloride and Lithium-Aluminum Hydride

in diameter, tube-shaped tantalum wire, having a wall thickness of 0 45 mm, and heated to a temperature of 1,000°C. Thus, a homogeneous deposition of an 8 mm in diameter and 170 mm long rod-shaped silicon, was obtained. Traces of Cn, Mg and Al were detected in the silicon. Out of 145 gr of SiCl₄ a total of 22 5 gr of silicon with an efficiency of 94% were obtained. This silicon then has to be processed, in order to obtain a monocrystall. There are 2 figures and 18 references: 6 Soviet, 1 Rumanian, 1 Czechoslovak, 7 English, 2 German and 1 French. Subject article is based on a paper presented at the Meeting "Semicondu-toare și aplicatiile lor", (Semiconductors and Their Application) on December 9 to 11, 1959.

Card 3/3

5.2400

R/003/60/011/008/00¹/00; A125/A026

AUTHORS:

Nicolau, Fl.; Engineer, Mozes, Gh.; Grigorovici, E.; Chemists

TITLE:

High-Purity Silicon for Semiconductors in Rods and Granular Shape by

Silicon Decomposition. Report II.

PERTODICAL: Revista de Chimie, 1960, Vol. 11, No. 8, pp. 468 - 476.

TEXT: The article is based on a paper presented at the Meeting "Semiconductors of aplicatification and their Application), held on December 9-11, 1959. Silicon is more and more used in the production of semiconductors. Pure silicon can be obtained by different methods, but the most efficient method proved to be the thermal decomposition of silane, which has a number of advantages (Refs. 1, 2, 3,). Silane can be obtained either by the reduction method of A. E. Finholt, or by the method of starting from HSiCl₃(Ref. 2). The authors used the second method, studying it in two variations: a) Passing HSiCl₃ through SiH₄, and b) Direct thermal decomposition of HSiCl₃ or reduction with hydrogen (Ref. 3). Trichlorosilane was prepared following the methods by Buff and Wöhler; Combes; Gattermann; Kahler; Stock and Zeidler (Ref. 4); Kraus and Nelson; Broth and Stillwell; Witmore and Pitsusza-Sommer (Ref. 5). The authors produced trichlorosilane Card 1/3

R/003/60/011/008/004/005 A125/A026

High-Purity Silicon for Semiconductors in Rods and Granular Shape by Silicon Decomposition. Report II

by direct synthesis, by passing dry HCl over Si granules at $280^{\circ}\mathrm{C}$ in the apparatus shown in Fig. 1. In contradiction to previous works, the reaction pipe was located vertically. Brief reference is made to the apparatus and the production procedure. The authors then studied the production of granule-shaped silicon by thermal decomposition of HSiCl3 without H2 addition in the quartz tube, at atmospheric pressure. This method has the disadvantage of leading to an contamination of the silicon by impurities such as boron. Reference is made to Stock and Zeidler (Ref. 4), Wilson (Ref. 1) and Theurer. Figure 3 shows the installation for thermal decomposition of HSiCl3 on quartz tube. Rods or granule-shaped silicon can also be obtained by catalytic disproportioning of trietoxysilane to silane and the decomposition of silane. For preparation and purification and trietoxysilane, the authors adapted the method of Havill, Joffe and Post (Ref. 9) catalytic disproportioning of trietoxysilane to silane and tetraetoxysilane was observed by Friedel and Ladenberg for the first time. Kreshevnikova, Pokrovskiy and Rumiantseva (Ref. 2) used this reaction for the preparation of silane and its thermal decompositions with the purpose of producing Si for semiconductors. They decomposed silane on a tantalum wire, obtaining polycrystalline Si bars. For the Card 2/3

R/003/60/011/002/004/00-A125/A026

High-Purity Silicon for Semiconductors in Rods and Granular Shape by Silicon Decompositiza. Report II

production of Si bars, the authors used the installation shown in Figure 5. Reference is made to the installation and the procedure. The efficiency of the Si deposed in bars is 70%, the other Si being deposed on the walls of the installation. Si deposed on the quartz tube contains less than 10⁻³% of B. Si deposed on tantalum were contains the following impurities: Mg, Al, Cu, Fe, and B. The Si rod is treated for 48 hrs with concentrated HF in order to dissolve the tantalum wire and is then pickled with HF+HNO3. This polycrystalline Si rod is physically purified by a zonal melting and passed over to monocrystal. The resistivity had a value of 50 ohm/cm. The boron impurity in the Si rods is a result of the "diboran" content of the silane, or the influence of the glass of the installation The authors finally mention the elimination of "diboran" from the silane. There are 6 figures, 1 photograph, 2 tables and 14 references 5 Soviet, 2 Rumanian, 5 English and 2 German.



Card 3/3

R/004/62/000/002/002/002 D014/D105

9.3150 (1020,1159,1331)
AUTHORS: Mozes. G., Lapedatu, E., Zaharia, C., Friedmann, A., Arabian, L., Radu, O., Bartos, V., and Dedulescu, L., (Bucharest)

TITLE:

New types of selenium rectifier-cells

PERIODICAL:

Electrotehnica, no. 2-3, 1962, 72 - 86

The article describes the possibilities of improving the performance of Rumanian selenium rectifiers and presents three new rectifiers developed by ICET=Institutul de cercetári electrotehnice (Electrotechnical Research Institute) and the Uzinele "Grigore Preoteasa" ("Grigore Preoteasa" Plant). The performance of Rumanian selenium rectifiers was improved either by increasing the inverse-peak voltage as in SV-1 rectifiers, by increasing the current density as in SV-3 rectifiers, or by increasing the inverse-peak voltage and the current density as in SV-2 rectifiers. The SV-1 cell was improved by introducing thallium in a concentration of $8.10^{-3}\%$ into the SnCd counter-electrode and applying solid sulfur-in-selenium solution on the surface of the selenium layer. This gave the SV-1 cell in normal cooling conditions an inverse-peak

Card 1/3

New types of selenium rectifier-cells

R/004/62/000/002/002/002 D014/D105

voltage of 25 - 40 v $_{\rm ef}$, a current density of 25 ma/sq cm, a specific rectifying power of 0.3 - 0.4 w/sq cm, an over-all efficiency of 95 - 97%, an operating temperature of 65 - 75°C, and a volt-ampere characteristic as shown in Fig.5. The SV-l cells are produced in series by the "Grigore Preoteasa" Plant. An increase of the current density in SV-3 rectifiers was achieved without reducing the inverse-peak voltage by providing the SnCd counter-electrode with adequate thallium. The SV-3 cell has in natural cooling conditions an inverse-peak voltage of 25-30 $\rm v_{\rm eff}$; a current density of 50 ma/sqcm, a specific recti-

fying power of 0.8 w/sq cm, an over-all efficiency of 96%, an operating temperature of approx. 60° C, and a volt-ampere characteristic as shown in Fig.19. In forced cooling conditions, the specific rectifying power increases to 2.4 w/sq cm. Serial production of the SV-3 cell is being prepared. In SV-2 rectifiers, the aluminum base was first coated with a 0.5 + 1.5-M - thick cadmium layer and then with a 60 - 70-M - thick selenium layer. The non-rectifying junction was obtained by soldering under pressure a 40-M - thick bismuth-coated aluminum sheet on the selenium layer. The SV-2 rectifier has in natural

Card 2/6

R/004/62/000/002/002/002 D014/D105 New types of selenium rectifier-cells

cooling conditions an inverse-peak voltage of 35 - 50 $v_{\mbox{ef}}$, a current density of

50 ma/sq cm, a specific rectifying power of 0.7 - 0.95 w/sq cm, an over-all efficiency of 96 - 97%, an operating temperature of 65 - 70°C and a volt-ampere characteristic as shown in Fig. 28. There are 31 figures.

Mozes, L., Lapedatu, E., Zaharia, C., and Friedmann, A.: ICLT; Arabian, L., Radu, O., Bartos, V., and Dedulescu, L.: Uzinele "Grigore Precteasa" ("Grigore Precteasa" Plant). ASSOCIATION:

Card 3/6

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Mineral cil bitumens in the tri let a formutry.

p. 182 (Manyar Kemikusck lasta. Vol. 12, no. 5/6, May/June 1941, Polesest, overny)

Montaly Index of last curcies Accessions (FEA ) 1 . Vol. , no. 2,

February 1948
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1		<u> • ;• </u>
COUNTRY CATEDORY	HUN CARM Therical Technology. Charical Products org Their Uses. Part 3. Processing of Matural RZKhim., No. 1 1960, No. 2432	
AUCHOR HINGI. HET TLE	Myal, 7.; Zakar, F.; Mases, G. Hungarian Research Institute of Petroleum and the Experience of Research Work on Bitrary in Jungary	
OPIC. PTP.	: Nagyar kon. lapje, 1958, 13. No 10-12, 376-379	
ABSTRACT	: The article gives a review of research work on the production and application of bitumen, corning out at the Hungerian Research Institute of Fetroleum and Patural Cas, particularly in view of producing, out of petroleum of the	
	*Insea and Potroleum, Notor and Rocket Fuels. Lubricants **Tatural Gas	
CAPE:	1/2	
	H-102	

MOZES, Gyula

Penetrajion as a characteristic of bitumens. Veszprem vegyip egy kozl 4 no.4:361-362 *60

Viscosity of distillation and blown bitumens as reflected in the function of temperature and shearing tension. Ibid. 363-364

Refining the Tuymary deparaffinized distillate heavy oil by using furfurole and phenol. Ibid. \$365-366

1. Magyar Asvanyolaj es Foldgaz Kiserleti Intezet, Veszprem.

Units the confidence of the co

36544 S/081/62/000/006/076/117 B167/B101

11.9700

AUTHORS: Mozes Gyula, Fényi Gyulane

TITLE:

Investigation of viscosity additives to lubricating oils

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 6, 1962, 538-539, abstract 6M246 (Magyar asvanyolajés földgaz kiserl. int. közl. no. 2,

1961, 130-142)

TEXT: A study of the basic properties of 12 Hungarian and foreign additives: (1) viscosity at 50, 70, and 100°C by a capillary viscometer, fluidity curve between 20 and 60°C by a rotating viscometer, true polymer content and chemical composition by IR spectroscopy, true viscosity and molecular weight from the equation $[h]=3.51 \text{ M}^{0.56}$. (2) Effect of the additives on the viscosity, the viscosity index I,, and the solidification temperature of oils. A new concept, the "efficiency of the additive" (H), is introduced to describe changes in the first two properties. It is defined as $H = \Delta I_{\perp}/\Delta \lambda$ 98.9°C, where the numerator is the change in I_{\perp} , Card 1/2

and the denominator is the change in viscosity at 98.9° C. (3) The mechanical stability of the additives, studied on a specially constructed apparatus which enabled the sensitivity of the sample to shear in relation to velocity and pressure to be determined. The change in I_{ν} and in

viscosity at 98.9°C after shear is a criterion of the decomposition of polymer molecules as a result of shearing action. (4) The thermal stability was determined by N. I. Kaverina's method. The additives studied included polycetyl and advancyl methodrylates and their copolymers. On raising the additive concentration (between 2 and 10%) the viscosity of the oils was found to increase almost linearly, and the I curve rose to

an asymptote after a sharp initial increase (at 2-4%). The numerical value of H must therefore also be a function of additive concentration. The effect of additives on the solidification temperature varies considerably from oil to oil. Stability to shear stresses, i. e., the decrease in viscosity and in \mathbb{T}_y as a result of shear, was found to be

directly proportional to the average molecular weight of the additive. These results are confirmed by experiments with oils containing additives. There was no difference in thermal stability between the additives studied. Libstracter's note: Complete translation.]

Rheological characteristics of blown bitumens. Veszprem vegyip egy kosl 5 no.48361-366 *61

1. Magyar Kavanyolaj es Foldgaz Kiserleti Intenet, Veszpren.

VAMOS, Endre, dr. (Budapest VIII, Szentikiralyi u.29); ZAKAR, Pal (Budapest V, Kecskemeti u.15); MOZES, Gyula, dr. (Veszprem, Kiss Eajos lakotelep 8); KESZTHELYI, Sandor (Veszprem, Jozsef Attila u.3)

Preparation of lubricating oils from Romashkino cude oil. Acta chimica Hung 31 no.1/3:267-280 '62.

1. Ungarisches Erdol- und Erdgas Forschungsinstitut, Veszprem.

ZAKAR, Pal (Budapest V, Kecskemeti u.2); MOZES, Gyula (Veszprem, Kiss Lajos lakotelep 8)

Soviet mineral oil bitumen. Ac a himica Hung 31 no.1/3:281-290 162.

1. Ungarisches Erdol und Erdgas Forschungsinstitut, Veszprem.

ZAKAR, Pal; MOZES, Gyula; Zakar (Budapest V., Keckkemeti u.2) Kozes (Veszprem, Kiss Lajoslakotelep c)

The Nagylengyel and the foreign bitumens. Acta chimica Hung 31 no.1-3:291-300. '62.

1. Ungarisches Erdol und Erdges Forschungsinstitut, Veszprem.

ZAKAR, Pal; CSIKOS, Rezso; MOZES, Gyula; KRISTOF, Mihaly

Bitumen blowing in the presence of catalysts. Magy kem lap 18 no.4: 157-163 Ap 163.

1. Magyar Asvanyolaj es Foldgaz Kiserleti Intezet.

MOZES Gyula (Veszprem, Wartha Vince u.2-6, Ungarn); FENYI, Marta (Mrs)
(Veszprem, Wartha Vince u.2-6, Ungarn); FEHERVARI, Antal (Veszprem,
Wartha Vince u.2-6, Ungarn); VAMOS, Endre, dr. (Veszprem, Wartha
Vince u.2-6, Ungarn)

Rheological properties of petroleum products. Acta chimica Hung 37 no.2:191-202 163.

1. Ungarisches Erdol und Erdgas Forschungsinstitut, Veszprem.

FENYINE DEMENY, Olga, tudomanyos munkatars; MOZES, Cyula, dr., tudomanyos fomunkatars; VAMOS, Endre, dr., tudomanyos osztalyvezeto

Rhsology: the science of deformations. Term tud koz1 7 no.10: 433-435 0 163.

1. Magyar Asvanyolaj- es Foldgazkiserleti Intezet, Veszprem.

NOZES, Gyula

Concept of mathematical stress and deformation. Magy zem lap
20 no.2:101-108 F 165.

1. Hungarian Mineral Gil and Natural Cas Experimental Institute.

MOZES, Gyula

Elastic deformation. Magy Yem lap D. no.3: Z1-lac Mr 1/5.

1. Hurgarian Mineral Oil ani Naturai Gas Experimental
Intstitute, Vaszprem.

MOZES, J., ing.

Scientific concern of f ture laboratory assistants. Constr Buc 16 nr. 757:2 11 July 164.

1. Head of the Section of Technical Quality Control, "Victoria socialista" Cement Works, Turda.

OBAL, F.,; MOZES, M.,; KELEMEN, A.,; FALL, S.,; Technische Assistenz:
J. Ravasz.

Role of the nervous system in hypothermic action of pentamethylenetetrazole. Acta physiol. hung. 7 no.3:211-221 1955.

1. Pathophysiologisches Institut und Pharmakologisches Institut der Medizinischen Universitat, Targu Mures, Rumanien.

(PENTYLEMETETRAZOLE, effects, hypothermic, role of nervous system)

(BODY TEMPERATURE, effect of drugs on, pentylenetetrazole, role of nervous system in hypothermic action.)

(MERYOUS SYSTEM, physiology, in hypothermic action of pentylenetetrazole)

7.

RUMANIA / Pharmacology, Toxicology, Tranquilizers.

: Ref Zhur - Biol., No 20, 1958, No 94157 Abs Jour

: Feszt, Grorgy; Mozes, F. Magda; Erdei, S. Piroska; Berczi, Andras. Authors

: Not given Inst Title

: The Effect of Chlorpromazine (Larguetil) on

Metabolism and Body Temperature.

Orig Pub : Rev. med. (RPh), 1957, 3, No. 4, 28-34.

Abstruct : 25 mg/kg of chlorpromazine (I) were nypodermi-

cally injected into rate and the consumption of O2 was determined as well as the rectal temperature under surrounding temperatures of 10, 20, 28 and 380. 5 ms/kg of benzedrine and 40-50 mg/kg pentagole (III) were injected together with (I) into some of the animals. Depending on the

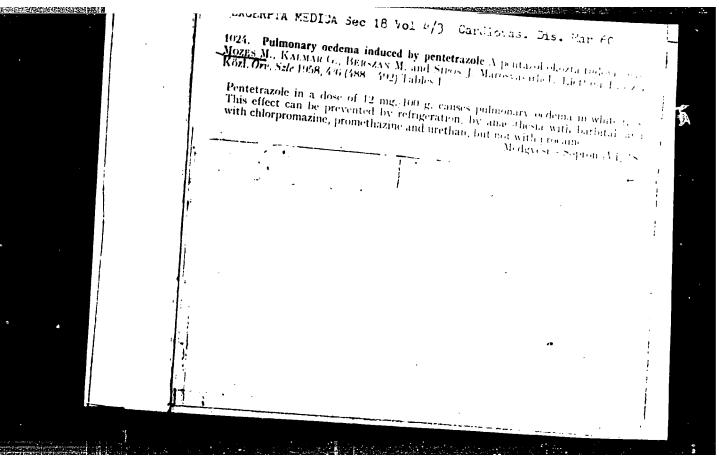
surrounding temperature I can cause not only hy-

Card 1/3

RUMANIA / Pharmacology, Toxicology, Pronquilizora. v
Abs Jour : Ref Zhur - Hiol., No 20, 1953, No 94157

III intensifies the consumption of O.. Pac application of III and other analoptics during treatment with I is not recommended. -- E. A. Sheyabaum.

Card 3/3



FESZT, T.; MOZES, M.; ALMASI, S.

Changes in the effect of isonicotinic acid hydrazide on the thyroid gland following the administration of pyridoxine. Stud. cercet. endocr. 13 no.3:377-381 162.

(THYROID GLAND pharmacology) (ISONIAZID pharmacology)
(PYRIDOXINE pharmacology)

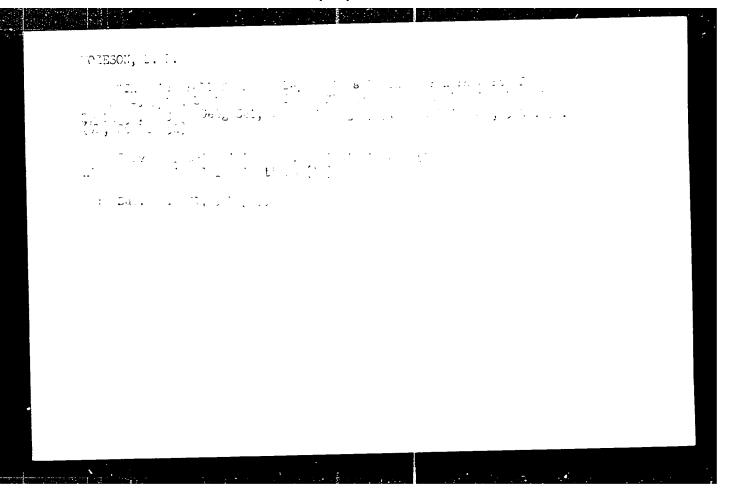
GUKAYLO, Mikhail Yakovlevich; MOZES, Ye.N., inzh., retsenzent; KAGAN, M.A., inzh., red.; SOROKA, M.S., red.

[Basic principles in designing optical control and adjustment instruments] Osnovnye printsipy konstruirovaniia opticheskikh kontrol'no-justirovochnykh priborov. Moskva. Gos.nauchno-tekhn. isd-vo mashinostroit.lit-ry. 1959. 124 p. (MIRA 12:7) (Optical instruments)

BARDIN, Anatoliy Mikolayevich; MOZES, Ye.E., retsenzent; BEGUNOV,
B.N., retsenzent; KERUSTALEVA, N.I., red.; GRIGORCHUK,
L.A., tekhn. red.

[Technology of optical glass manufacture] Tekhnologiia opticheskogo stekla. Izd.3., perer. i dop. Moskva, Vysshaia shkola, 1963. 518 p. (MIRA 16:12)

(Glass, Optical)



Mozeson, D.L USSR/ Geography - Agriculture Pub. 45 - 7/16 Cert 1/1 Moseson, D. L. **Authors** (About the details of the topography and reserves of land suitable for agriculture in the complex semi-desert region mear the Caspian Title Periodical : Lav. AN SSR. Ser. geog. 6, 68 - 77, Nov - Dec 1954 s A description is given of the waste lowlands in the region eastward from the city of Stalingrad between the Volga and the Ural Rivers. Figures Abatract are given for septh and area of depressions existing within these lowlands. A study of the soil and moisture supply in the depressions themselves reveals that they are adaptable to agriculture thus presenting the possibility of spot farming throughout the lowlands. Maps; tables. Institution: Acad. of Sc., USSR, Institute of Geologic Sciences Submitteds

MUZESON DL

KLEHOVA, M.V. prof.; SOLOV 'YEV, V.F.; ETYUHOVA, H.M.; POPOV, P.G.; YASTDEBOVA, L.A.;

BATURIN, V.P.; KOPYLOVA, Ye.K.; TEODOROV ICH, G.I., redaktor; TOPCHIYEV,

A.V., akademik, redaktor; MIROHOV, S.I., akademik, redaktor; ALIYEV,

M.M., redaktor; AKHMEDOV, G.A., redaktor; VARRETSOV, M.I., redaktor;

DMITRIYEV, Ye.Ya., redaktor; DOLGOPOLOV, H.H., redaktor; IL'IN, A.A.,

redaktor; MEKHTIYEV, Sh.F., redaktor; MCZESON, D.L., redaktor; PUSTO
VALOV, L.V., redaktor; FOMIN, A.V., redaktor; NOSOV, G.I., redaktor;

KISELEVA, A.A., tekhnicheskiy redaktor

[Recent sediments of the Caspian Sea] Sovremennye osadki Kaspiiskogo moria: Moskva, Izd-vo Akademii nauk SSSR, 1956. 302 p. (MIRA 9:3)

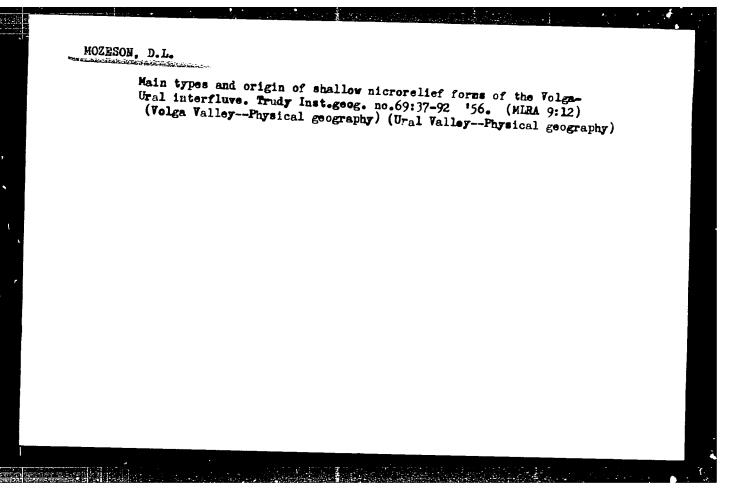
1. Deystvitel'nyy chlen AN AzSSR (for Aliyev) 2. Chlen-korrespondent AN SSSR. (for Varentsov, Pustovalov) 3. Nachal'nik morskogo otryada Azerbaydzhanskoy neftyanoy ekspeditsii SOPS AN SSSR (for Klenova) (Caspian Sea)

MOZESON, D.L.

Using the quantitative method for studying small relief forms.

Izv.AN SSSR. Ser.geog. no.5:118-125 S-0 '56. (MLRA 9:11)

1. Sovet po izucheniyu proizvoditel'nykh sil Akademii nauk SSSR. (Physical geography)



1111,2F3112 11,4.

AUTHOR:

Moxeson, D. W., Camidiance of Geographical Sciences. 37-20-20 0-5

TITLE:

The Development of Productive Porces of the June ansign Chilast.

(Remyditive produceditelingth add Warehartshop of sati).

Out-of-Hours Scienwicke Search of the Commission on Problems of the North

(Vigrandiaya zerribagy, seesding Londsedd ye probleman Serreum).

PERIODICAL: Vestmik AM SSSP., 1957, Vol. 2, No 10, 26, 34-35 (USSR).

ABSTRACT:

From Sulty 3 so Cally 3 the extension scientials sension of the Contrissing for Worthern Problems of the Connell for the Study of Probletion Powdes of the AV UNSR took place at Retroportional-Marrischatskip. The session was held for the purpose of importageing the stage of the impostingstion of natural resources and the prospects for the development of production former or Kernimber. Work was carried out folitly by representatives of the AN UBSE and West: Provider, the remesentabires of sutembility organizations of feebories sic. in Moscow, Svendlovek, Machamarak, Wishingaran, Wagalan and the Sathelic Maintet. A total of 501 persons attached the mession. In the planet, and secblone? meetings 50 Restricts were beld and discussed. They walt with profilens of risking, the mineral orange terminals approximations, and other profiless occupation with the economia is relogant to of Tournathe. In the

Card 1/4

First pleasury session the heritarees stressed the rack that the indu-

The Development of Productive Forces of the Karriatskye Oblast. 30-12-27/15 Out-of-Town Scientific Session of the Commission for Scribett Problems.

> stimial grofingtion of the area must be increased by 50% in the course of the C. Thre Tears Than. In the section for runeral rew materials problems of goolegiest standards and measured mesonres were dealt with. 15 leadures were delivered. In the seasion it was found apportune to congeniate an implementation perhapsion. Mirriria vention with well-enuipped Laboratories on Macribetics. In the section for Misheries 14 Lectures were held which pointed out the menesalty of succlarating the Sevelograms of flishing and the work consected with it. In the common absolute half by the sections for energetics, bransport, and Mighting various, problems of power supply and transport were discusset. Their still thou was pedil to agriculture and foregray. If lectures were delivered. The following was stressed in the resolution: Although agriculture on Manelatus is endly young and little developed, natural conditations make it possible to istablish a stablish which, already by the end of the 6th More Hear. Plan, will be able to provide the popu-Leviton with utility ment, we getablish, and potables. The session considesired 15 means and to restablish a medion of more Sortingers and to sublarge many small tends. To be also intended that Kauchetta be amply provided with Artificers as well as with serticultural unclines and respondings for seeil residon of the soil. The production of fertilizers

Card 2/4

The Development of Prollective Force, of the Nameberskay Oblast.

35**-1**2--**2**7/1.5

Out-of-Town Scientific Session of the Commission for Problems of the Morth.

as well as of fodder for cattle from fish waste is to be started on the spoi. The stations for seed breeding and the testing of qualities are to be enlarged and extended. One of the most important economic branches on Kamshatka is deer breeding. $60 - 75^{\circ}/o$ of the entire meat consumption consists of deer meat on Kamehatka. It was recommended in the session that by 1960 the number of Geer be increased to 172.coc. For this purpose it is necessary to organized veterinary and sostenhaical work and breeding, to utilize pasture land, and to improve the living conditions of deer breeders. Kamonatka is also rich in fers. Shooting furred animals is a very important exports. In the course of the last plenary session the chairman of the Commission for Northern Problems, member of the AN S.I.Shcherba-Mov, characterized the most important results of the congress and expressed the hope that the first steps had been made leading towards the exploration and development of production forces on Kamphatka. The secretary of the regional committee of the Comminst Party of the Soviet Union, M. A. Orlow, pointed out that this was the first time in history of Kamchatka that so large a number of scientific institum tes and institutes of industrial plants had participated in solving

Card 3/L

The Development of the Productive Forces of the Yemehauskaya Oblant. 30-12-27/45 Cur-of-Tram Belencific Session of the Compission for Involvement of the North

economic problems. He stressed the fact that Kamchatka is in need of scientific advice and support on the part of the AN USSR. Directives for the study and the development of production forces on Kamchatka were drafted the next to -15 years. It was decided to request the president of the AL USSR to send a well-equipped scientific expediation to Kamchatka in 1958. In conclusion Corresponding Member of the AN USSR L. V. Pistovalov said that the natural resources of Kamchatka as well as the products of her soil warrant a rapid improvement of economic conditions. The session made an essential contribution towards the expectation of Kamchatka, and it must be hoped that scienatific work on a wide scale will be performed here in the next years by problems.

AVAILABLE:

Library of Congress.

1. Industry--USSR 2. Industry--Development--USSP 3. Production -- Development--USSR

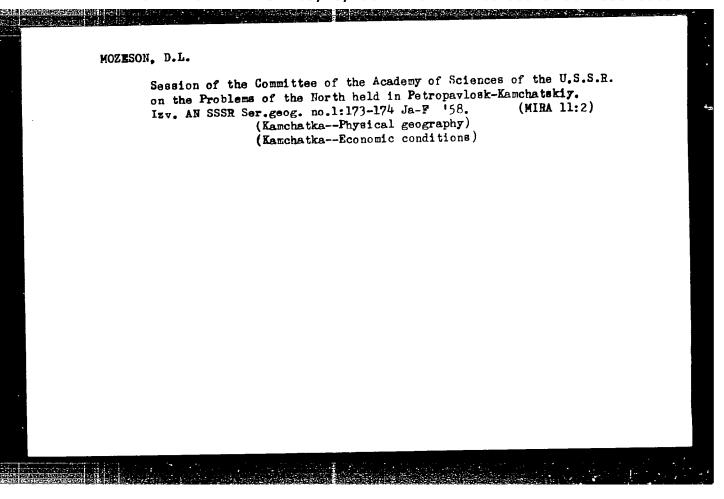
Card L/L

PUSTOVALOV, L.V., otvetstvennyy red.; DMITRIYEV, Ye.Ya., zamestitel'
otvetstvennogo red.; TOPCHIYEV, A.V., akademik, red.; MIRONOV.
S.I., akademik, red.; ALIYEV, M.M., red.; AKHMEDOV, G.A., red.;
VARMMISOV, M.I., red.; DOLGOPOLOV, N.N., red.; IL'IN, A.A., red.;
MEKHYIYEV, Sh.F., red.; MIRCHINK, M.F., red.; MOZESON, D.L., red.;
RENGARTEN, V.P., red.; FOMIN, A.V., red.; IL'INA, N.S., red.
izd-va; NOVICHKOVA, N.D., tekhn, red.

[Geology of the Talysh Mountains; papers of the expedition]
Voprosy geologii Talysha; trudy ekspeditsii. Moskva. 1958. 151 p.
(MIRA 11:9)

1. Akademiya nauk SSSR. Sovet po izucheniyu proizvoditel nykh sil.
Azerbaydshanskaya neftyanaya ekspeditsiya. 2. Deystvitel nyy
chlen Akademii nauk AzSSR (for Aliyev). 3. Chlen-korrespondent
Akademii nauk SSSR (for Varentsov, Mekhtiyev, Pustovalov,
Rengarten).

(Talysh Mountains-Geology)



MOZESON. D.L.; UTENKOV, H.A.

State of physicogeographical study of the northeastern part of the U.S.S.R. and tasks of future research. Probl.Sev. no.2:91-115 **158. (MIRA 12:4)

1. Sovet po izucheniyu proizvoditel'nykh sil AN SSSR. (Siberia, Rastern--Physical geography)

1	rotection of nature in the North.	Probl.Sev. no	.2:222-225 (MIRA 12:4)	
:	L. Sovet po uzucheniyu proizvodite (Russia, NorthernFo (Russia, NorthernWild)	rest protection)	
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MEZFSCN, D.C.

26-58-5-9/57

AUTHORS:

Shcherbakov, D.I., Academician, and Mozeson, D.L., Candidate

of Geographical Sciences

TITLE:

Prospects of the Development of the Productive Forces of Kamchatka (Perspektivy razvitiya proizvoditel'nykh sil Kamchatki). Scientific Session on Problems of the Study and Utilization of the Natural Resources of the Kamchatka Oblast' (Nauchnaya sessiya po problemam izucheniya i ispol'-

zovaniya prirodnykh resursov Kamchatskoy oblasti)

PERIODICAL:

Priroda, 1958, Nr 5, pp 51-57 (USSR)

ABSTRACT:

 $V_{\circ}A_{\circ}$ Obruchev has compiled a geological description of the Kamchatka Peninsula, with its still active volcanoes, geysers, mountain streams and waterfalls, cedar woods, the world's principal (80-85%) salmon grounds in the surrounding sea, and its rich mineral resources, such as gold, coal and rare metals. In 1908, F.P. Ryabushinskiy studied the local fauna, V.L. Komarov the flora. The Kompleksnaya ekspeditsiya AN SSSR (Complex Expedition of the USSR Academy of Sciences) of 1934-36, the prospecting teams of the Ministerstvo geologii i okhrany nedr SSSR (Ministry of Geology and

Card 1/6

Mineral Resources Preservation of the USSR), the Tikhookean-

26-58-5-9/57

Prospects of the Development of the Productive Forces of Kamchatka Scientific Session on Problems of the Study and Utilization of the Natural Resources of the Kamchatka Oblast'

skiy institut rybnogo khozyaystva i okeanografii (Pacific Institute of the Fish Industry and Oceanography) and the Vulkanologicheskaya stantsiya (Volcanological Station), set up by the USSR Academy of Sciences, have conducted successful research over an extended period of time. Despite these endeavors, only 10% of the area is covered by geological maps of 1: 200,000 or smaller scale. There are still areas that have not yet been mapped at all. Most of the peninsula has been explored along its central north-south axis. Along Kamchatka's western part, from the Penzhinsk Bay in the north to Ust'-Bol'sheretsk in the south, are situated 60 coal-bearing deposits. Sources rich in carbon dioxide and methane have also indicated oil, natural gas, and liquid bitumen. In the Kronotskiy District, in the east, geological indications also show oil-bearing layers. In the west, a 1,000-km long strip to the Ozerbaya Bay in the north, contains oil deposits that can probably be used for industrial purposes. Cinnabar is found all over a 1,500-km long stretch up to and including the Karyanskiy Mountain

Card 2/6

26-58-5-9/57

Prospects of the Development of the Productive Forces of Kamchatka. Scientific Session on Problems of the Study and Utilization of the Natural Resources of the Kamchatka Oblast!

Range in the north. Copper is found in the East-Kamchatkin ore zone and the Central Mountain Range. In the latter's south part, gold which can be exploited industrially is also found. Kamchatka is rich in construction material. There are almost two billion cu m of pumice. In an area of the west coast of 3.4 million ha, there are 8 billion tons of peat. The forests cover 450,000 sq km. Agricultural projects include doubling of the present arable land to 18,500 ha by 1960, opening up of 10,000 ha of virgin land, an increase in the number of big-horned cattle to 24,500 and that of pigs to 21,000. The number of reindeer increased by 7 times between 1940 and 1957. There are 140,000 heads now. Available pasture area permits an increase to 180,000 Improved pastures will eventually feed 250,000 - 300,000 By 1960, raising of 172,000 heads of reindeer should be possible. This will correspond to a production of 2,500,000 kg of reindeer meat. Every year, 8,000 - 9,000 sable furs are obtained. Other furry animals of the region are also of economical value. In July 1957, the Komissiya po pro-

Card 3/6

26-58-5-9/57

Prospects of the Development of the Productive Forces of Kamchatka. Scientific Session on Problems of the Study and Utilization of the Natural Resources of the Kamchatka Oblast'

blemam severa Soveta po izucheniyu proizvoditel'nykh sil Akademii nauk SSSR (Commission of the Problems of the North of the USSR Academy of Sciences' Council of the Study of the Productive Forces) held a scientific session in Petropavlovsk in order to find ways of exploiting the natural riches of Kamchatka. By 1959, the territory must be covered by maps of 1:500,000 and 1:1,000,000. With respect to oil, coal and minerals, a systematic geological large-scale mapping must be done. Geophysical and other up-to-date methods must be employed to obtain a thorough knowledge of the mineral resources. Problems in the catching and processing of fish are being investigated in detail. Large enterprises of the fish industry are to be established in the ports of Petropavlovsk and Ozernovskiy, and in the fish combine of Ust'-Kamchatskiy, Korf, Mikoyan and Kirov. Soil research is being conducted to help the farming and cattle breeding sectors. Organized scientific hunting and wild life preserving methods are stressed. The air transportation network will be expanded and small-river navigation increased

Card 4/6

26-56-5-9/57

Prospects of the Development of the Productive Forces of Ramchatka Scientific Session on Problems of the Study and Utilization of the Natural Resources of the Kamchatka Oblast!

by devising special craft. Interior transportation problems will be solved. The Ozernovskiy sea port must be developed together with a land route on the west coast and the connection between the port and the Krutogorovskiy coal mines The Petropavlovsk sea port will be considerably expanded and new highways built. The Ust'-Kamchatskiy port will be improved and extended very soon, and the Kamchatka river made navigable. Airfields and landing areas will be set up in the most important industrial and administrative centers. Electric energy is still depended on other than local fuel. Of the scientifically confirmed 522 million tons of coal, only 13,000 to 15,000 tons are mined annually. though the potential capacity of the mountain streams is 12 to 20 million kwh, many difficulties in the construction of hydroelectric power plants need to be overcome water and steam escaping from the earth surface in certain places must be turned to economic use. The session proposed and agreed to have another Complex Scientific Kamchatka Expedition in 1958 and to bring into being a Kom-

Card 5/6

26-58-5-9/57

Prospects of the Development of the Productive Forces of Kamchatka Stientific Session on Problems of the Study and Utilization of the Natural Resources of the Kamchatka Oblast'

pleksnyy nauchno-issledovatel'skiy institut (Complex Scientific Research Institute) in the town of Petropavlovsk-

Kamchatskiy.

There are 1 map and 6 photos.

AVAILABLE:

Library of Congress

Card 6/6

- l. Kamchatka Peninsula Exploration
- 2. Economic development Kamchatka Peninsula

SHCHERBAKOV, D.I., akademik; MOZESON, D.L., kand. geogr. nauk.

Outlook for the development of the productive forces of Kamchatka.
Priroda 47 no.5:51-57 My '58.

(Kamchatka--Watural resources)

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SHCHERBAKOV, D.I., akademik (Moskva); MOZESON, D.L., kand.geograf.nauk (Moskva)

"Rich and beautiful is Kamchatka" by K.E. Esaulenko.
Reviewed by D.I. Shcherbakov. Priroda 51 no.11:120
(MIRA 15:11)

(Kamchatka—Economic conditions)
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SHCHERBAKOV, D.I., akademik, glav. red.; YEROFEYEV, B.N., otv. red.;
NALIVKIN, D.V., akademik, red.; AL'TGAUZEN, M.P., red.;
DANCHEV, V.I., red.; MOZESON, D.L.; LEVCHENKO, S.V., red.;
CHAYKOVSKIY, V.K., red.; SHEYNMAN, V.S., red. izd-va;
DOROKHINA, I.N., tekhn.red.; LAUT, V.G., tekhn.red.

[Geochemistry, petrography, and mineralogy of sedimentary formations] Geokhimiia, petrografiia i mineralogiia osadochnykh obrazovanii. Moskva, 1963. 457 p. (MIRA 16:12) (Rocks, Sedimentary)

LEVCHENKO, Serafim Vasil'yevich; MCZESON, David Lazarevich; SHCHERBAKOV, D.I., akaderik, otv. red.; ULANOVSKAYA, I.A., red.izd-va; YEGOROVA, N.F., tekhn. red.

[Golden Kolyma; from the history of the discovery and mastering of northeastern U.S.S.R.] Zolotaia Kolyma; iz istorii otkrytiia i osvoeniia Severo-Vostoka SSSR. Moskva, Izd-vo AN SSSR, 1963. 93 p. (MIRA 16:12) (Russia, Northern--Discovery and exploration) (Russia, Northern--Mines and mineral resources)

LEVCHENKO, S.V., ctv. red.; GRAYARA, M.J., red.; Mo Fork, D.J., red.; Motallogenita neveral a nastage kand to exagency Market, 11 din Althe-Salansko, saladenata, energi. Prokva, Marka, 1965. 209 j.

1. Akademiya nasa 2005. lanear nja od Prokva ostrovi iskorayemyan.

MOZETIC, B.

Yugoslavia (430)

General - Serials

Does the problem of unemployment appear in Slovenia? p. 6. LJUDSKA FRAVICA. (Komunisticna Partija Slovenije) Ljubljana. (Weekly illustrated organ of the Communist Party of Slovenia). Vol 12, Ne 177, December 22, 1951.

East European Accessions List. Library of Congress, Vol 1, No 13, November 1952.

UNCLASSIFIED

MOZETIC, B.

Work of the illegal station at Trieste. p.99.

RADIOAMATER. (Savez radioamatera Jugoslavije) Beograd, Yugoslavia Vol. 13, no.4, April 1959.

Monthly list of East European Accessions (EEAI) LC, Vol.8, no.9, Sept. 1959

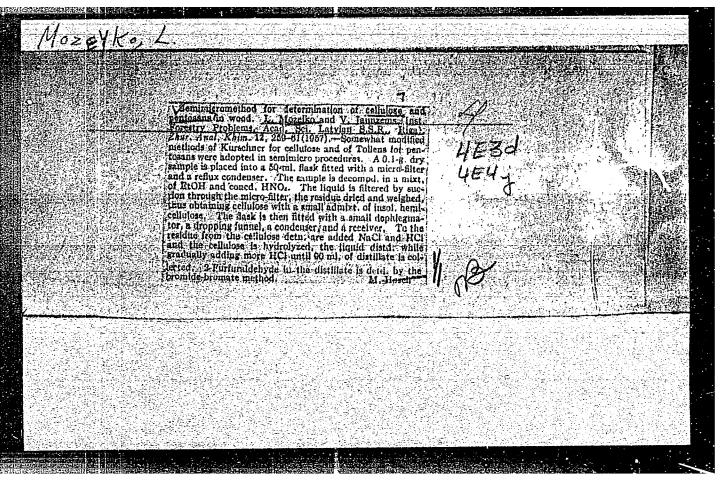
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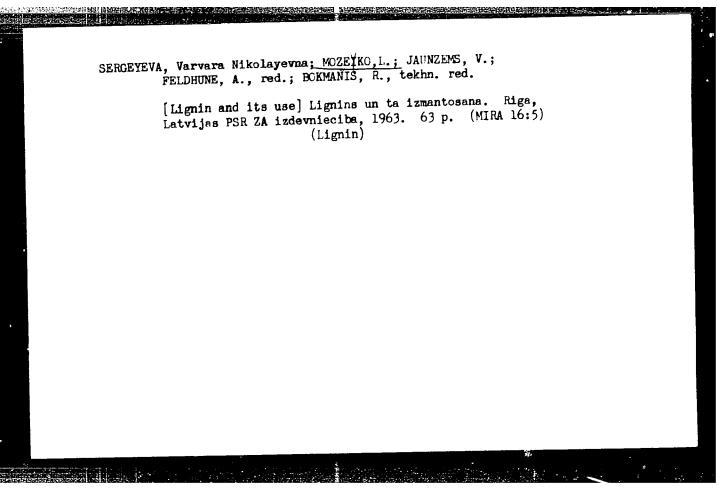
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Haffacit, h.; June, h.; Hedulto, h.; OS. Gett, P.; Schaost h.

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i. Zaved Skil za Advavatuera varstue, virue i lub pet c.

Ljubljaca (Bavanteljit c. dr. Sasa Cvante).
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DYIKOWSKI, Wladyslaw; MOZGA, Tadeusz

Activity of gibberellic acid under various conditions of germination of brewer's barley. Przemysl fermentacyjny 6 nc.3:64-65 Mr 162.

1. Instytut Przemyslu Fermentacyjnego, Warszawz

MOZGALEVSKIY, A.V., kand. tekhn. nauk; BUZHINSKIY, Yu.Yu., inzh.

Case Sall Selection 1995

Selecting a type of asynchronous motor for throttling control systems. Sudostroenie 25 no.7:27-31 Jl '59. (MIRA 12:12) (Electric motors, Induction) (Electricity on shire)

5/1,22,60,000/005/006/017 AL61/AL30

AUTHOR:

Mozgalevskiy, A . , landidate of Technical Sciences

TITLE:

Approximate expression for one chansmission function of reciproca-

tive mydromelestrit dru A

PERIODICAL: Veathik mashindatroyeniya, 60 5, 1950, 3.-35

TEXT. Hydraulis transmissions are soming into extansive use in transport and industry but the hydro-electric drive element properties have not yet been treated sufficiently in special literature, and it is generally assumed that the operation of such drive can only be described in a system of rature complex differential equations. The author suggests a simplified is illation. The system of reciprotative hydro-electric drive Fig. . With a variable-manably pump with short-timult conduction motor and a reciprotative hydralic drive is analyzed and the transmission for the system is determined considering the variation of elementary (e) in the pump as the input, and the hydralic piston displacement in as the pump elementarity into variatie piston motion speed can be presented as a transmission function of a seatiff link of the first

Card 4,4

 Approximate expression for ...

5/122/60/000/005/006/017 A151/A130

order, and have this form for a system with elastic feedback (Fig. 3, where CF is the summing element)

$$K_{2} = \frac{\kappa_{4}}{2} \qquad (.3)$$

where p is the pressure, $\kappa_4 = \frac{1}{\kappa_5}$, κ_4 see Fig. 3 - the rated specific value of the pump); $\frac{1}{\kappa_5} = \frac{1}{\kappa_5}$ and $\kappa_5 = \frac{1}{\kappa_5}$

The formula (.3) is finally simplified by omission of the first term in the denominator (after analysis proving that if can be omitted) and becomes

$$K_{2} \stackrel{\text{P}}{=} \frac{k_{4}}{1/2}$$

An oscillogram taken from electronic MH-7 (MN-7) simulator simulating a labal ship steering machine confirmed the incoretical deductions. Fig. 4: Curves 2 and 3 illustrate the transition process on the system output at linear variation of the control parameter (e), which rappens when an astatic link of the first order is connected in line with the system under study. The following basic conclusions

Card 2/4

Approximate expression for

S/122/60/000/005/006/017 A161/A130

are made: 1) If the main pipelines are not long and the rpm of the electric pump motor is constant, a reciprocative hydro-electric drive may be considered a static link of the first order. 2) If the basic conditions are same (as in Point 1) and the amplification factors of the summing element and feedback are higher than 1 (i.e., k > 0 and $k_{\rm oc} > 0$), and the reduced mechanical time constant is low, a reciprocative hydro-electric drive with elastic feedback also may be considered a static link of the first order. 3) The values of the amplification factors k_2 , k_4 and of time constants T, T_1 and T_2 can be determined by calculation when the drive is being designed. There are 4 figures and 3 Soviet-bloc references.

Fig. 1: System principle without feedback.

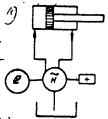
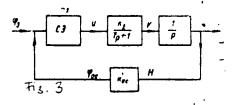


Fig. 3: System with elastic feedback.

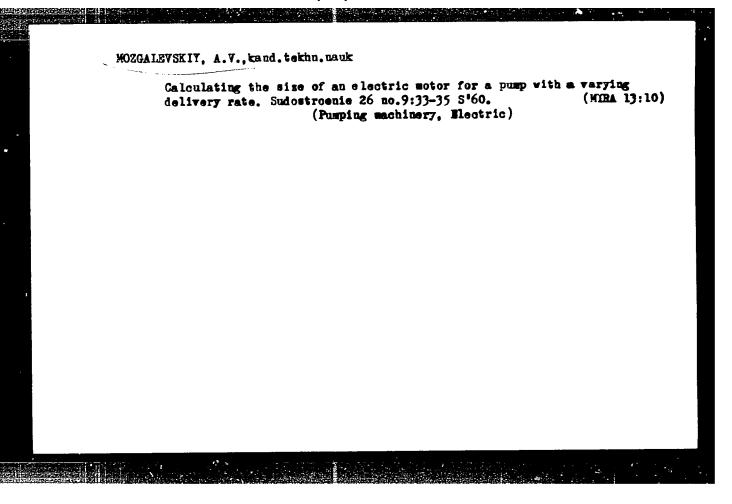


Card 3/4

MOZGALEVSKIY, A.V., kand.tekhn.nauk; LUKOMSKIY, Yu.A., inzh.

Use of electronic models to determine the value of coefficients of reverse connections in the throttle control of direct-current electric driving of the steering gear. Sudostroenie 26 no.3(209):36-37 Mr 160. (MIRA 14:11)

(Steering gear—Electromechanical analogies)



Market State of the Control of the C

MOZGALEVSKIY, Andrey Vasil'yevich, kand. tekhn. nauk, dotsent; LUKOMSKIY, Yuriy Aleksandrovich, aspirant

Operational stability of a hydraulic and electric drive with reciprocating motion and clearance. Izv. vys. ucheb. zav.; elektromekh. 6 no.9:1123-1125 '63. (MIRA 16:12)

1. Leningradskiy elektrotekhnicheskiy institut.

L 18548-66 EWT(d)/EWP(1) IJP(c) BC ACC NR: AP6002186 SOURCE

SOURCE CODE: UR/0146/65/008/006/0156/0160

AUTHOR: Gaskarov, D. V.; Mosgalevskiy, A. V.

ORG: Leningrad Electrotechnical Institute (Leningradskiy elektrotekhnicheskiy institut im. V. I. Lenina)

TITLE: Predicting changes in the state of an automatic system

SOURCE: IVUZ. Priborostroyeniye, v. 8, no. 6, 1965, 156-160

TOPIC TAGS: automatic control, automatic control system, automatic control theory

ABSTRACT: The possibility of predicting changes in the state of an automatic-control system is discussed. The extrapolation problem involved in such a prediction can be reduced to determining the system principal parameters $X_{\epsilon}(t)$ in the future at $t = t_0 + m\Delta t$ when the past values $X(t_0 - k\Delta t)$ are known, where m and k are positive integers. In many practical cases, where the state information arrives

continuously, a linear extrapolation could be used: $X_s(t_0 + m\Delta t) = \sum_{k=1}^n a_k X(t_0 - k\Delta t)$,

Card 1/2

UDC: 62.523.8

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ACC NR: AP6002186

where a could be determined from the conditions of the minimum mean square value of extrapolation error. The latter quantity can be expressed in terms of the correlation function of a stationary random process. Technically, the prediction problem can be solved by a special automatic computing device which would calculate the appropriate autocorrelation function and send it to an equation solver upon each measurement of the monitored parameter (a block diagram is shown). Thus, a solution of the above prediction problem is held possible; it may help in forestalling various faults in automatic-control systems. Orig. art. has: 7 formulas.

SUB CODE: 13 / SUBM DATE: 30 May 64 / ORIG REF: 002 / OTH REF: 002 / OTH REF: 002

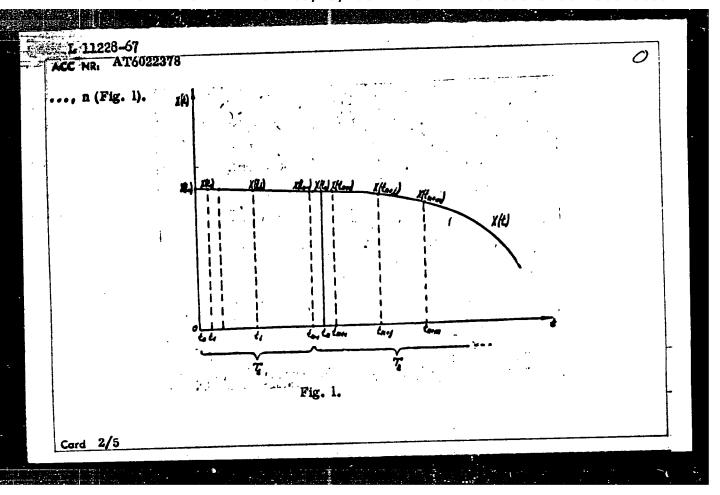
Card 2/2 7/195

BLINOV, 1.N. (Lemingrad): MOZGALEVSKIY, A.V. (Lemingrad)

Choice of system parameters for automatic fault detection. Avtom. 1 talem. 26 no.10:1809-1812 0 165.

(MIRA 18:10)

P(k)/ENT(d)/ENP(h)/ENP(1)/ENP(v) SOURCE CODE: UR/0000/66/000/000/0057/0064 AUTHOR: Mozgalevskiy, A. V.; Gaskarov, D. V. TITLE: :Qa probabilistic prediction SOURCE: Vsesoyuznaya nauchnaya sessiya, posvyashchennaya Dnyu radio. 22d, 1966. Sektsiva kibernetiki. Doklady. Moscow, 1966, 57-64 TOPIC TAGS: statistic analysis, probability, mathematic prediction, control theory ABSTRACT: A change in the state of a system can be determined from the change in the system's controlled parameters, which are regarded as time functions. If a sufficient amount of information about the controlled parameters is accumulated, the next change in the system's state may be predicted. In cases where the causal relationships between changes are difficult to establish, the problem of predicting a change in the state of a system may be solved by means of the mathematical apparatus of the probability theory, by methods of probabilistic prediction. Then the problem is formulated as follows: Given: a controlled function X(t) which assumes the values $X(t_1)$, $X(t_2)$, ..., $X(t_n)$ at time instants $t_1 < t_2 ... < t_n$, $t_1 \in T_1$, i - 1, 2, 3, Cord 1/5



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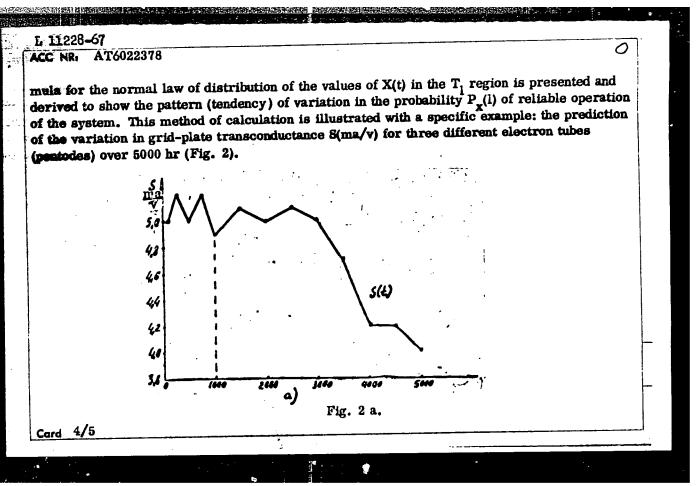
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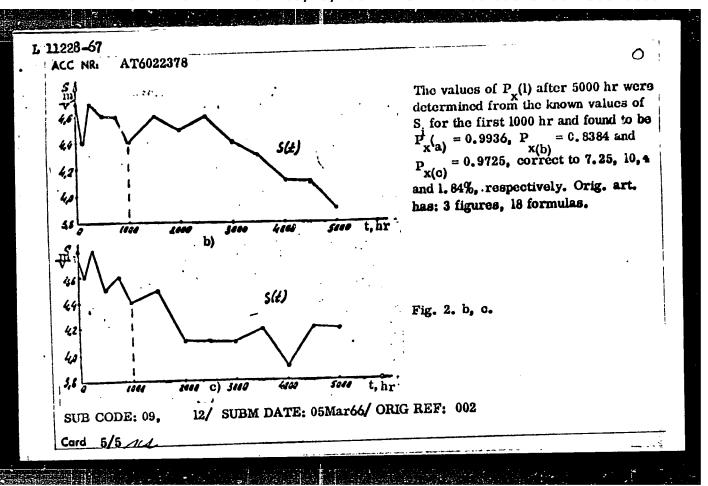
Find from the known values of $X(t_i)$ the probability that the values of the function will not exceed the germissible limits, i.e.

$$\mathbf{F}_{\mathbf{x}} \{ | \mathbf{X}(\mathbf{t}_{n+j}) - \mathbf{X}_{nom}(\mathbf{t}) | > \epsilon_{perm} \},$$
 (1)

where $X(t_{n+j})$ represents the values of the controlled function at the time instants $t_{n+j} \in T_2$, i=1, 2, 3, ..., m; $X_{nom}(t)$ is the nominal value of the function; ϵ_{perm} is the permissible deviation of X(t) in the region of T_2 . Two variants may be solved with respect to this problem. Variant I_i : A change in the mathematical expectation m_X of the controlled function X(t) causes a change in the inequality $\sigma < \sigma_X$ perm, where σ_X perm is the permissible mean square deviation of the function X(t), although $\sigma_X = const$ with respect to m_X . Variant δt : We have $m_X = const$ and only σ_X undergoes a change; this disturbs the inequality $\sigma_X < \sigma_X$ perm. It is shown that these problems may be solved by utilizing a property of normal distribution; the calculated probability of the presence of the values of $X(t_1)$ within the sector of, e.g. from x_1 , to x_2 . In practical m_X and σ_X are time functions, $m_X = m_X(t)$, $\sigma_X = \sigma_X(t)$ and so the tendency of the change in the controlled function X(t) may be characterized by the variation in $m_X(t)$ and $\sigma_X(t)$. A for-

Cord 3/5





L 25466-66

ACC NR. AP6011205

SOURCE CODE: UR/0413/66/000/006/0041/0042

INVENTOR: Gaskarov, D. V.; Glazunov, L. P.; Yerastov, V. D.; Mozgalevskiy, A. V.

ORG: none

TITLE: A device for checking the qualitative indices of a dynamic link. Class 21, No. 179817 [announced by Leningrad Electrical Engineering Institute im. V. I. Ul'vanov (Lenin) (Leningradskiy elektrotekhnicheskiy institut)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 6, 1966, 41-42

TOPIC TAGS: computer circuit, flip flop circuit

ABSTRACT: This Author's Certificate introduces: 1. A device for checking the qualitative indices of a dynamic link during a step reaction. The unit contains a number of identical flip-flops, shaping circuits, switches, delay circuits and counters. The rise time of the transient at the output of the link is compared with the required value by connecting two structurally identical parallel channels at the link output. Each of these channels contains a series-connected asymmetric flip-flop with a switch connected to a delay circuit based on a driven multivibrator and a clamping circuit.

2. A modification of this device in which 'imultaneous evaluation of maximum overcontrol, oscillation index, control time and control error is simplified by connecting four structurally identical channels to the link output with an asymmetric_flip-flop

UDC: 621.3.078: :681.178.1

Card 1/2

ACC NR: AP601120 and clamping circ cluded in the asy	uit connected	in series in	each of the chainel	nnels. Switch	O es are in- g control
time and control on a driven multi	error. These vibrator. A c	switches are ounter is con	connected to a nected in the	second delay c channel for eva	ircuit based Luating the
oscillation index					
SUB CODE: 09/	SUBM DATE:	U4FeD65/	ORIG REF: O	N/ VIH KE	F: 000
Card 2/2 LC					

MOZGALEVSKIY, A.V., kand. tekhn. nauk

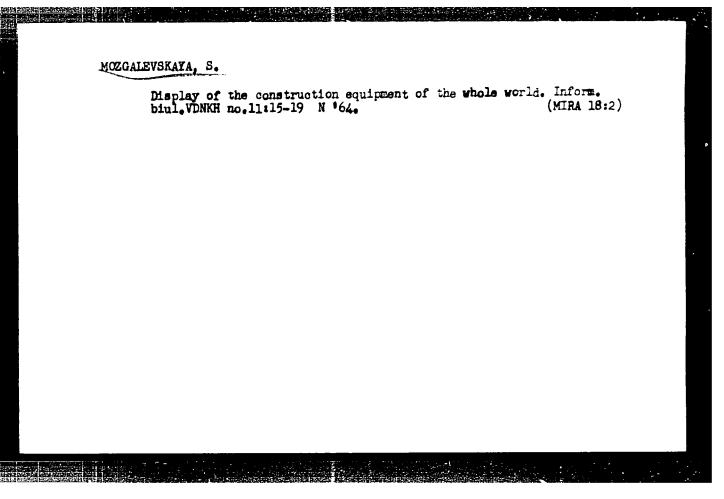
Electronic timer in an automatic system for the determination of efficiency and detection of a defect. Priborostroenie no.4:20-21 Ap '65. (MIRA 18:5)

MOZGALEVSKAYA, E.E., inzh. (Volgograd)

Water supply in the Sarpa Lowland. Gidr. i mel. 15 no.4:17-19 Ap

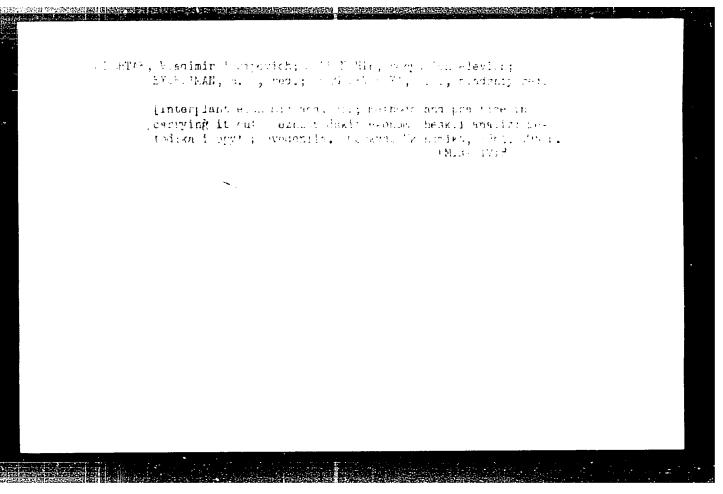
(MIRA 16:5)

(Sarpa Lake region—Pastures and meadows—Irrigation)



ZAKHAROV, Nikolay Fedorovich; MOZGALEVSKAYA, S.A., red.; GERASIMOVA, Ye.S., tekhn. red.

[Analysis of production and administrative operations of an industrial enterprise] Analiz proizvodstvenno-khoziaistvennoi deiatel'nosti promyshlennykh predpriiatii. Moskva, Izd-vo "Ekonomika," 1964. 75 p. (MIRA 17:3)



PEVNEV, Nikolay Ivanovich; SMAGIN, Pavel Vasil'yevich; FURSOV, Nikolay Dmitriyevich; MOZGALEVSKAYA, S.A., red.; PONOMAREVA, A.A., tekhn. red.

[Public inspection in enterprises] Obshchestvennye smotry na predpriiatiiakh. Moskva, Ekonomizdat, 1963. 102 p. (MIRA 17:1)

MASTALYGINA, Nadezhda Aleksandrovna; ZLOBIN, F.I., red.;
MOZGALEVSKAYA, S.A., red.; GERASIMOVA, Ye.S., tekhn. red.

[mook of problems in accounting in construction] Zadachnik
po bukhgalterskomu uchetu v stroitel'stve. Moskva, Ekonomizdat, 1963. 270 p. (MIRA 17:1)

(Construction industry—Accounting—Problems, exercises, etc.)

SHCHUKIN, Aleksey Grigor'yevich; SHKCL'NIKCV, Boris Yakovlevich;
ZAV'YALOVA, A.N., red.; McZGALEVSKAYA, S.A., mlad. red.;
PONOMAREVA, A.A., tekhn. red.; GERASD'OVA, Ye.S., tekhn.
red.

[Technical, industrial and financial plan of enterprises
of local importance] Tekhpromfinplan predpriiatii mestnogo
znacheniia. Moskva, Ekonomizdat, 1963. 295 p.

(MIRA 16:11)

(Industrial management)

LOKSHIN, E.Yu., doktor ekon. nauk; ANDREYEVA, O.I., kand. ekon. nauk, dots.; VOROSHILOVA, T.S., kand. ekon. nauk, dots.; SMIRNOV, P.V., SADOMTSEV, V.K., kand. ekon. nauk, dots.; SMIRNOV, P.V., kand. ekon. nauk, dots.; TARAS'YANTS, R.B., kand. ekon. nauk, dots.; FASOLYAK, N.D., kand. ekon. nauk, dots.; LOZOV, Ya.D., st. prepod.; SHMELEVA, Z.S., st. prepod.; NOVIKOV, D.T., aspirant; PORA-LEONOVICH, B.N.; ALEKSANDROVSKIY, V.V.; BURSHTEYN, I.I.; EYDEL'MAN, B.I., red.; MOZGALEVSKAYA, S.A., mlad. red.; GERASIMOVA, Ye.S., tekhn. red.

[Manual for the supplying and selling of materials and equipment] Spravochnik po material'no-tekhnicheskomu snabzheniiu i sbytu. Moskva, Ekonomizdat, 1963. 344 p. (MIRA 17:1)

1. Nachalinik ekonomicheskogo otdela Upravleniya materialino-tekhnicheskogo snabzheniya Soveta narodnogo khozyaystva Moskovskogo gorodskogo ekonomicheskogo rayona (for Pora-Leonovich).

2. Nachalinik otdela snabzheniya l-go Gosudarstvennogo podshipnikovogo zavoda (for Aleksandrovskiy).

KOZGALOVA, V.G.

Problem of nutrition and care for children in rheumatologic clinic.

Med. sestra, Moskva no.10:15-17 Oct 1953. (CLML 25:5)

1. Nurse of the Second Therapeutic Division of the Institute of Pediatrics of the Academy of Medical Sciences USSR.

GINTAUTAS, A.; STALIONIS, S.; SHLEIKUS, P.; MOZGEVA, T.; BABIANSKAS, M.; BIZIULIAVICHUS, S.

Experience in the control of helminthiasis in Kovarsk as District, Lithusmian S.S.R. (KOVARSKAS DISTRICT—HORMS, INTESTINAL AND PARASITIC)

MARKOV, G.S.; IUKINA, G.P.; MARKOVA, L.I.; MOZGINA, A.A.

Parasites of reptiles in the Northern Caucasus. Uch. zap. Volg. gos. ped. inst. no.16:99-105 164. (MIRA 19:1.

l. Kafadra zoologii Volgogradskogo gosudarstvennogo pedagogicheskogo instituta i kafadra zoologii Rostovskogo gosudarstvennogo universiteta.

MOZGLYAKOV, L.A.

Peplacing wooden floor sleepers with reinforced concrete beams.

Suggested by L.A. Mozgliakov, -Rats.i izobr.predl.v stroi.
no.30-31 '60, (MIRA 13:9)

1. Bukovoditel' proyektnogo byuro Otdela kapital'nogo stroitel'stva Tekeliyskogo svintsovo-tsinkovogo kombinata, g.Tekeli, Alma-Altinskaya oblast', Kasakhskaya SSR. (Girders)

MOZGLYAKOVA, V.A.

Incidence of disease among workers and its relation to changes in the omposition of the working staff. Sov.zdrav. 16 no.7:28-35 J1 157.

(MIRA 10:11)

1. It Institute organizate i zdravookhraneniya i istorii meditsiny imeni N.A.Semashko Ministerstva zdravookhraneniya SSSR.

(INDUSTRY AND OCCUPATIONS.

morbidity in workera (Rus))

MOZGLYAKOVA, V. A. Cand Med Sci -- (diss) "Incidence of diseases with work markets to more workers of industrial enterprises: and the task of the medicosanitary units concerning its study and prophyteris.

(According to experience gained during the study of disease incidence in the six machine-building plants), Mos. 1959. 17 pp (Inst of Labor Higiene and Occupational Diseases, Acad Med Sci USSR), 200 copies (KL, 52-59, 126)

-135-

MOZGLYAKOVA, V.A., kand.med.nauk

Method for calculating and analyzing disease incidence with temporary loss of work capacity by categories of patients. Zdrav. Ros. Feder. 5 no.6:45-47 Ag '61. (MER 14:10)

l. Iz otdela sanitarnoy statistiki Instituta organizatsii zdravookhraneniya i istorii meditsiny imeni N.A.Semashko.
(MEDICAL STATISTICS)