"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

SHCHERBINA, V.V.; NEAPOLITANSKAYA, V.S.

V.I.Vernadskii's contribution to the development of geology and geochemistry. Sov.geol. 6 no.3:3-17 Mr '63. (MIRA 16:3)

1. Institut geokhimii i analiticheskoy khimii imeni V.I.Vernadskogo.
(Geology) (Geochemistry)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

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NEAPOLITANSKAYA, V.S.

Statements made by V.I.Vernadskii. Och.po ist.geol.znan. no.11: 81-89 '63. (MIRA 16:7)
(Vernadskii, Vladimir Ivanovich, 1863-1945)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001136

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001136

NEAPOLITANSKIY, Yuriy Ivanovich; MEDVEDEVA, L.V., red.; KOROLOVA, M.D., tekhn. red.

[Integrated brigades in construction] Kompleksnye brigady v stroitel'stve. Moskva, Profizdat, 1962. 78 p. (MIRA 15:7)

(Construction industry—Production methods)
(Trade unions)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001136

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001136

VAYNSHTEYN, G.I., kandidat meditsinskikh nauk (Moscow); NEMANOVA, K.G. (Moscow).

Diagnosis of primary cancer of the thyroid gland. Klin.med. 31 no.12:65-68 D '53. (MLRA 7:1)

1. Iz propedevticheskoy terapevticheskoy kliniki (direktor - chlen-korrespondent Akademii meditsinskikh nauk SSSR professor V.Kh. Vasilenko) I Moskovskogo ordena Lenina meditsinskogo instituta.
(Thyroid gland--Cancer)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001136

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

ACC NR: AP7004499 SOURCE CODE: RU/0017/66/000/009/0508/0510

AUTHOR: Firoiu, C. (Doctor of engineering); Neata-Balescu, M. (Engineer)

ORG: Gheorghe Gheorghiu-Dej Polytechnic Institute, Bucharest (Institutul politehnic)

TITLE: Method of obtaining a hard gold-nickel alloy electrolytically

SOURCE: Metalurgia, no. 9, 1966, 508-510

TOPIC TAGS: electrolysis, electroplating, electrolyte, alloy, gold base alloy, microhardness, gold nickel alloy, aurocyanite, nickel sulfate

ABSTRACT: Preliminary experimentation to obtain a hard gold-nickel alloy followed procedures described in 9 foreign patents. The purpose of the experiments was to study gloss, hardness, deposit adhesion properties, and electric current yield. After a number of tests, a new electrolyte of good quality was developed with the following composition and operational characteristics: gold in the form of $K[Au(CN)_2]$-aurocyanide, 4 g/l; nickel, as nickel sulfate ($NiSO_4$), 3 g/l; disodium phosphate, 40 g/l; sodium (potassium) citrate,

 UDC: 669.215'24:621357.9

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ACC NR: AP7004499

40 g/l; citric acid, 20 g/l; pH, 4—5.5; cathode current density 1—1.5 ampere/dm; and working temperature 18—24 C. Electrolysis takes place at 40—50 C, with an anode current density of 1—1.65 ampere/dm^2. The gold-nickel deposit with a 2—2.5 percent nickel content has a high gloss, obtained after one hour of electrolysis, good adhesion, and a higher hardness than that in similar alloys. Microhardness amounts to 160—180 kgf/mm^2, as compared with the 80—100 kgf/mm^2 in pure gold achieved electrochemically. Advantages of the new method, which is already being used in an electroplating ship at the "Electromagnetica" Plant in Bucharest, are operation at room temperature; relatively high current densities; high gloss of deposits even after prolonged electroplating; little change in deposit composition and quality due to electrolyte variation; and use of inexpensive and easily available nickel sulfate. Orig. art. has: 1 figure. [DR]

SUB CODE: 11, 13/SUBM DATE: none/

Card 2/2

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001136

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

MONAKHOV, N.I.; IL'INSKIY, M.F.; KRIVOSHEYEV, N.I.; YEGORENKO, B.F.; KUDENKO, S.A.; NEBABA, P.S.

Concerning M.E. Zaitsev's article "Establishing expenditure norms for the procurement and storage of drilling equipment" ("Neftianoe khoziaistvo," No.3, 1962). Neft. khoz. 40 no.11: 34-35 N '62. (MIRA 16:7)

(Oil well drilling—Equipment and supplies)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

KIRSANOVA, Z.V.; BLITMAN, A.M.; NEBARAKOV, Yu.S.

Rubber for footwear. Standartizatsiia 27 no.4:47-48 Ap '63.
(MIRA 16:4)
(Boots and shoes, Rubber—Standards)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001136

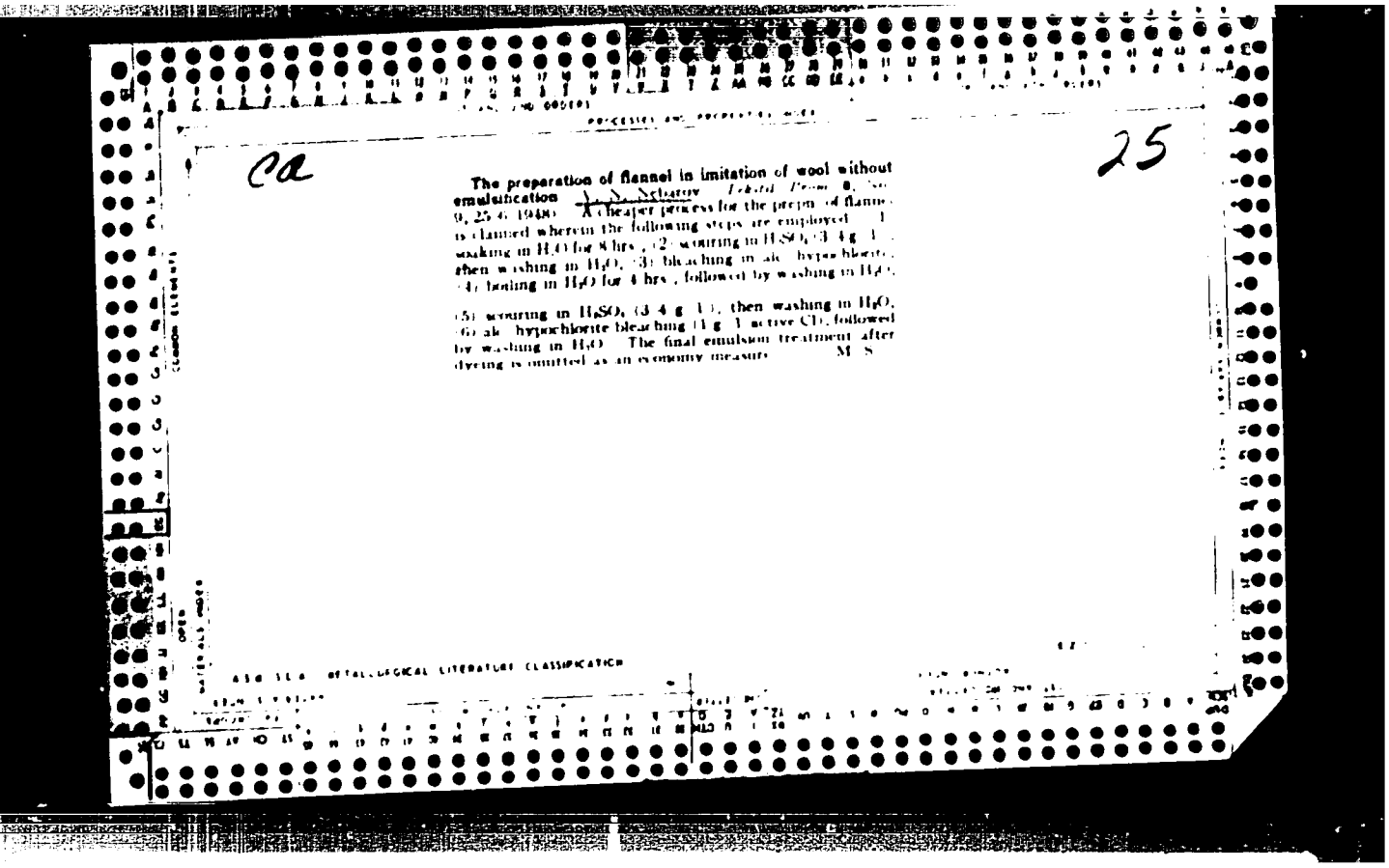
"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001136

KIRSANOVA, Z.V.; BLITMAN, A.M.; NEBARAKOV, Yu.S.

Shoe carton. Standartizatsiia 28 no.2:50 F '64.
(MIRA 17:3)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001136

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113



Ca

25

The preparation of flannel in imitation of wool without emulsification [illegible] *Tekstil. Prom.* 8, No. 9, 25-6 (1948). A cheaper process for the prepn. of flannel is claimed wherein the following steps are employed: (1) washing in H_2O for 8 hrs., (2) souring in H_2SO_4 (3.4 g. l.), then washing in H_2O, (3) bleaching in alk. hypochlorite bleach, (4) boiling in H_2O for 4 hrs., followed by washing in H_2O, (5) souring in H_2SO_4 (3.4 g. l.), then washing in H_2O, (6) alk. hypochlorite bleaching (1 g. l. active Cl), followed by washing in H_2O. The final emulsion treatment after dyeing is omitted as an economy measure. M. S.

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

NEBA[illegible]CV, V. .

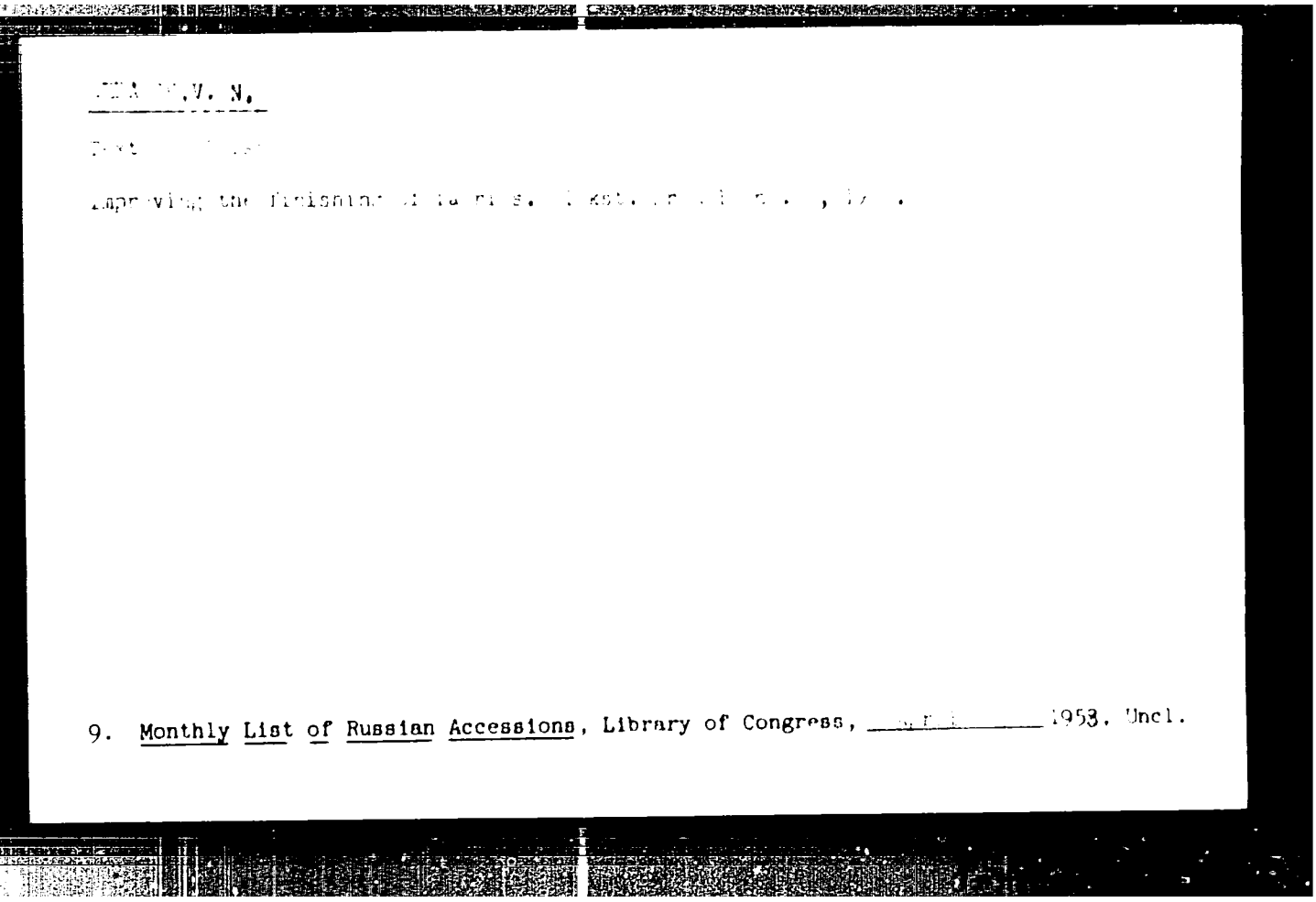
"Study of the Influence of Hypochlorite Preparation in Bleaching Fabrics Manufactured From Machine Harvested Cotton and Low Grade Cotton." Kan 8 Mar 51, Moscow Textile Inst

Dissertations presented for science and engineering degrees in Moscow during 1951

SO: Sum. No. 430, 6 May 55

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001136

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113



9. Monthly List of Russian Accessions, Library of Congress, [illegible] 1953. Uncl.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

NEBAROV, Vladimir Nikolayevich; ARKHANGEL'SKIY, S.S., redaktor; KOZLOV, M.P., retsenzent; MEDVEDEVA, L.A., tekhnicheskiy redaktor.

[Bleaching and mercerization of cotton fabric] Belenie i merserizatsiia khlopchatobumazhnykh tkanei. Moskva, Gos.nauchno-tekhn.izd-vo Ministerstva tekstil'noi promyshlennosti SSSR, 1955. 345 p. (MLRA 9:4)
(Cotton manufacture)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

NEBAROV, V.N.; ROMANOV, N.M.; SIMIGIN, P.A.; TSVETKOV, M.N., retsenzent; PESTRETSOVOV, S.N., retsenzent; PLEMYANNIKOV, M.N., redaktor; MEDVEDEV, L.Ya., tekhnicheskiy redaktor

[Manual on equipment of cotton finishing plants] Spravochnik po oborudovaniiu otdelochnykh fabrik khlopchatobumazhnoi promyshlennosti. Moskva, Gos. nauchno-tekhn. izd-vo Ministerstva legkoi promysh. SSSR, 1956. 467 p. (MLRA 10:1)

1. Moscow. TSentral'nyy nauchno-issledovatel'skiy institut khlopchatobumazhnoy promyshlennosti.
(Cotton machinery)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001136

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001136

ZALMANZON, Ya.S.; ZELENSKAYA, G.G.; NEBAROV, V.N.

Designing an automatic bleaching department. Tekst. prom. 18 no.8:43-45 Ag '58. (MIRA 11:10)

1.Rukovoditel' mekhaniko-energeticheskoy laboratorii Ivanovskogo nauchno-issledovatel'skogo tekstil'nogo instituta (for Zalmanzon). 2.Zaveduyushchiy laboratoriyey otdelochnykh mashin Vsesoyuznogo nauchno-issledovatel'skogo instituta tekstil'nogo i legkogo mashinostroyeniya (for Zelenskaya). 3.Rukovoditel' khimiko-tekhnologicheskoy laboratorii TSentral'nogo nauchno-issledovatel'skogo instituta khlopchatobumazhnoy promyshlennosti (for Nebarov).
(Bleaching) (Textile factories)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001136

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001136

NEBAROV, V.N., kand. tekhn. nauk; USTINOVA, Ye.T., inzh.

Nonwoven fabrics for household and technical use. Tekst. prom. 19 no.5:73-77 My '59. (MIRA 12:10)
(Synthetic fabrics)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001136

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001136

USTINOVA, Ye.T., starshiy nauchnyy sotrudnik; NEBAROV, V.N.; RYBAKOV, K.V., starshiy nauchnyy sotrudnik

Nonwoven glued filter materials. Tekst.prom. no.2:65-69 F '63. (MIRA 16:4)

1. Laboratoriya netkanykh materialov TSentral'nogo nauchno-issledovatel'skogo instituta khlopchatobumazhnoy promyshlennosti (TSNIKhBI) (for Ustinova). 2. Khimiko-tekhnicheskaya laboratoriya TSentral'nogo nauchno-issledovatel'skogo instituta khlopchatobumazhnoy promyshlennosti (TSNIKhBI) (for Nebarov).

(Nonwoven fabrics) (Filters and filtration)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001136

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

NEBAROV, V.I., kand. tekhn. nauk; LASOVA, Ye.F., inzh.; KOZLOVA, I.I., inzh.; KLAGINA, N.I.

Use of the water-oil emulsion thickener in printing with insoluble azo dyes and black aniline. Tekst. prom. 24 no.4: 62-64 Ap '64. (MIRA 17:5)

1. Sotrudniki TSentral'nogo nauchno-issledovatel'skogo instituta khlopchatobumazhnoy promyshlennosti (for Nebarov, Lasova, Kozlova). 2. Starshiy laborant TSentral'nogo nauchno-issledovatel'skogo instituta khlopchatobumazhnoy promyshlennosti (for Klagina).

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L 36558-65 EWT(1)/EWT(m)/EEC(t)/T/EWP(t)/EWP(b)/EWA(h) Pz-6/Peb IJP(c) JD/AT

ACCESSION NR: AP5007124 G/0030/65/008/003/0881/0896

44
40
B

AUTHOR: Nebauer, E.; Jahne, E.

TITLE: Nonlinear current-voltage characteristics of thermal origin

SOURCE: Physica status solidi, v. 8, no. 3, 1965, 881-896

TOPIC TAGS: semiconductor, photoconductivity, dielectric material, thermoelectric property, current voltage diagram, cadmium sulfide crystal, phosphorus doped silicon

ABSTRACT: Studies were undertaken to establish the conditions under which thermally initiated, negative, differential N- or S- type resistances (tension- or current-controlled) develop in semiconductors, photoconductors, or dielectric substances, and to establish under what conditions such resistances of the N-S type occur under conditions of nonlinear temperature-dependence. These studies involved the theoretical calculation and experimental determination of the current-voltage characteristics of various types of substances while their temperature was increased by Joule heating. In the cases where the temperature-dependence of the electrical conductivity was nonlinear, N-S type negative differential resistances occurred. Typical nonlinear curves, showing the temperature vs. resistance be-

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ACCESSION NR: AP5007124

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havior of a CdS crystal and of phosphorus-doped silicon, respectively, are presented in Figures 1 and 2 of the Enclosure. It was indicated that spontaneous changes in current during the determination of the current-voltage characteristics without the use of a stabilizing resistance would represent thermally initiated phenomena. Thermally induced, negative, differential resistances of the N-S type may also develop under conditions of homogeneous field strength and current density. The thermally induced $dU/dI < 0$ (where U represents voltage and I represents intensity) zone is surrounded on both sides by zones of positive differential resistance in case of the N-type but not in case of the S-type. "We thank Dr. E. Gutsche for valuable discussions and for a critical review of the manuscript, and Dr. U. Kummel for considerable advice." Orig. art. has: 20 formulas and 8 figures.

ASSOCIATION: Physikalisch-Technisches Institut der Deutschen Akademie der Wissenschaften zu Berlin, Bereich Elektrischer Durchschlag (Electrical filter section, Physics and technology institute, German academy of sciences at Berlin); IV Physikalisches Institut der Humboldt-Universitat, Berlin (Physics institute, No. 4, Humboldt university)

SUBMITTED: 06Jan65 ENCL: 02 SUB CODE: SS

NO REF SOV: 002 OTHER: 017

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

L 31558-65
ACCESSION NR: AP5007124 ENCLOSURE: 01

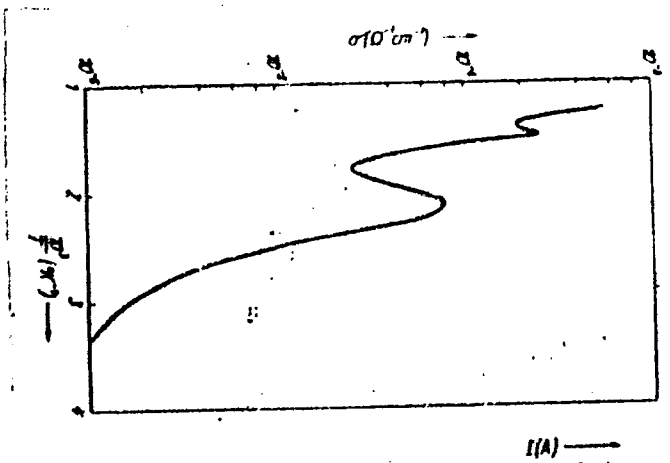

Figure 1. Multiple-nonlinear resistance vs. reciprocal temperature behavior of a virgin CdS crystal (author's measurements).

Legend: σ = resistance

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

L 34558-65

ACCESSION NR: AP5007124 ENCLOSURE: 02

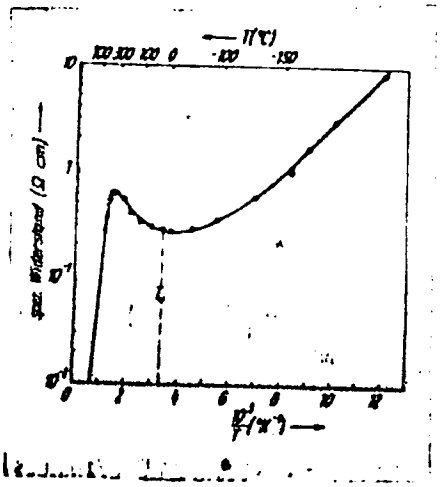

Fig. 2 Resistivity vs. reciprocal temperature behavior of phosphorus-doped silicon. Legend: spez. Wiederstand = specific resistivity

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001136

GAYSIN, B.M.; KAGILEV, N.V.; NEBRAYLO, G.N.

Improving water-cooling systems for the DSP-1.5 electric arc furnaces. Lit. proizv. no.8:39-40 Ag '62. (MIRA 15:11)
(Electric furnaces--Cooling)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001136

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

NEBEL, Istvan

Hungarian experiences with the use of heavy ox hides.
Bor cipo 10 no.6:176-179 N '60.

1. Bor- es Cipoipari Igazgatosag.

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

NEBEL, Istvan

Checking the quality of sole leathers. Bor cipo 13 no.5:
149-152 S '63.

1. Boripari Kutato Int zet.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001136

MAROSH, Tibor [Maros, Tibor]; NEBEL', Laslo [Nebely, Laszlo]; ZAKARIASH, Zoltan [Zakarias, Zoltan]; MESAROSH, Ishtvan [Meszaros, Istvan]

Plastic substitution of ureters with a fallopian tube. Eksper. khir. i anest. 7 no.4:41-44 Jl-Ag '62. (MIRA 17:5

1. Iz kafedry anatomii i operativnoy khirurgii (zav. - dotsent Tibor Marosh [Tibor Maros]) Meditsinskogo instituta goroda Tyrgu-Mureshe, Rumyniya.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001136

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001136

RUMANIA / Pharmacology, Toxicology, Tranquillizers. V

Abs Jour : Ref Zhur - Biol., No 20, 1958, No 94160

Authors : Nebel, Laszlo; Kapitany, Andreas; Koster, Tibor.
Inst : Not given
Title : The Influence of Hibernation on the Processes Observed During Experimental Affection of Tissue. I. The Changes on Tissue of the Affected Intestine Loop Under the Effect of Largactil.

Orig Pub : Rev. med. (RPR), 1957, 3, No. 4, 17-22

Abstract : One ml of 0,1% histamine solution was injected into the artery of the loop of the small intestines of dogs. During the 5-7 days before and after the operation, the animals received 5 mg/kg of largactil (I) daily. Diffused peritonitis, inflammation, hyperemia, and reddish-brown colouring of the intestine loop were noted in

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MAROS, T.; NEBEL, L.; MESTER, T.; KAPITANY, A.; SZENTKIRALYI, A.

Effects of decortication and deconnection (largactil treatment) on the estrus cycle of white rats. Kiserletes orvostud. 10 no.4:405-410 Aug 58.

1. Orvostudomanyi es Gyogyszereszetu Felsookiatasi Inetzet Anatomini es Sebezeti Mutettani Tanszeke, Marosvasarhely (Targu-Mures) Romania.

(ESTRUS CYCLE, physiol.
eff. of decortication & prolonged chlorpromazine admin. in rats (Hun))
(CEREBRAL CORTEX, physiol.
eff. of decortication on estrus cycle in rats (Hun))
(CHLORPROMAZINE, eff.
prolonged admin. on estrus cycle in rats (Hun))

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

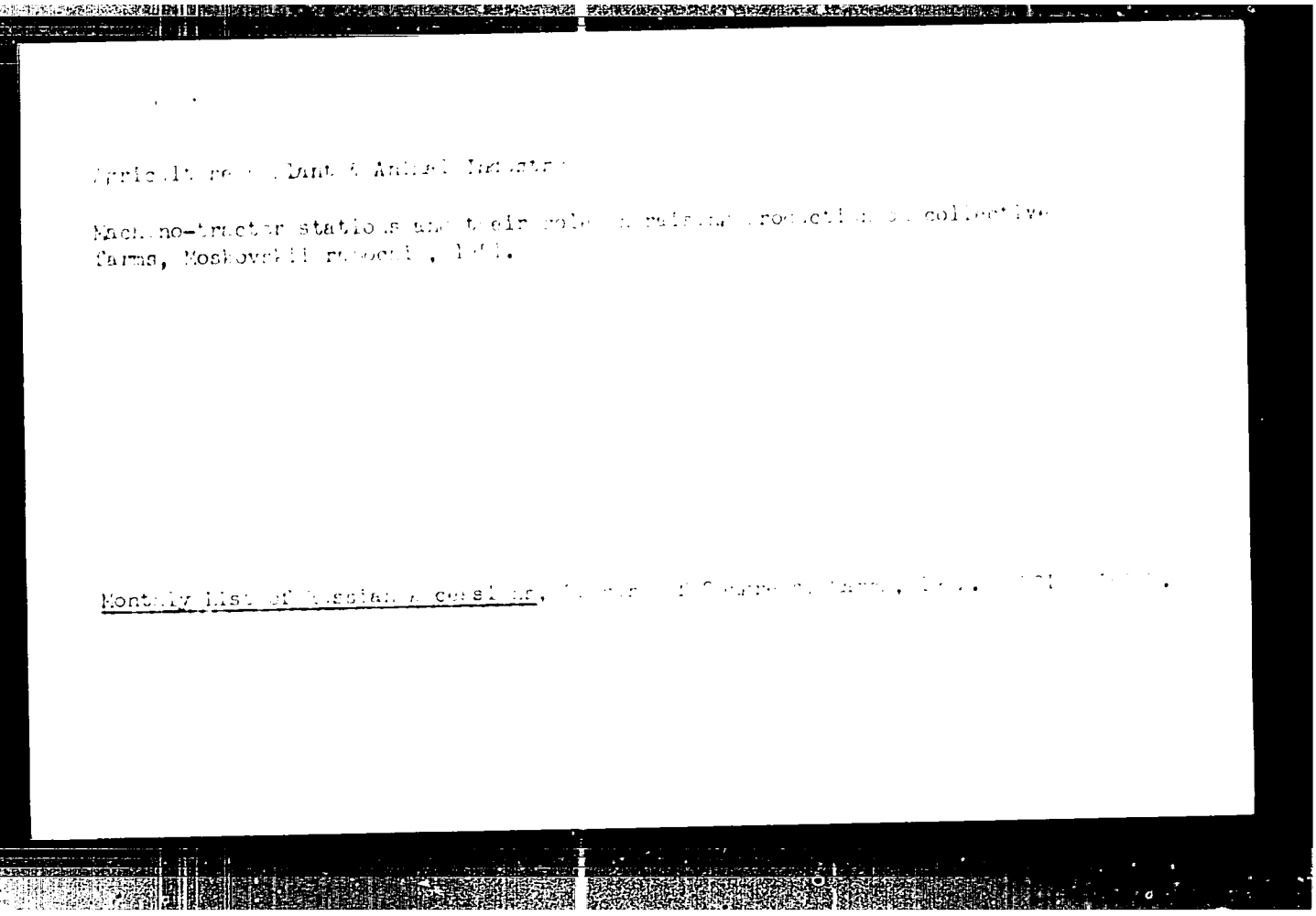
MAROS, T.; NEBEL, L.; ZAKARYAS, Z.; MESAROS, I.

Plastic replacement of the ureter with a fallopian tube; experimental investigation. Urologiia 25 no.2:7-11 Mr-Ap '60. (MIRA 13:12)

(URETERS—SURGERY) (FALLOPIAN TUBES—TRANSPLANTATION)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113



Agriculture [illegible] Dant & Animal Industry

Machine-tractor stations and their role in raising production of collective farms, Moskovskii rabochii, [illegible].

Monthly List of Russian Accessions, [illegible]

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001136

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

FEKETE, Zoltan, dr.,; LAZAROVITS, Lajos, dr.,; [redacted]uhrer, Laszlo, dr.,; ORBAN, Tamas, dr.

New aspects of the clarification of non-anamnestic sero-positive cases of syphilis, with special regard to cardiolipin reactions. Orv. hetil. 96 no.49:1351-1355 4 Dec. 55.

1 Az Orszagos Bor-Nemikortani Intezet (igazgato: Foldvari Ferenc dr. egyet. tanar) es a Budapest Fovarosi Bor-Nemibeteggondozo Intezetek (igazgato: Karolyi Istvan dr.) kozlemenye.

(SYPHILIS, diag.
serodiag., comparative study on false-positive reactions in various tests (Hun))

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001136

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

HERENFUHRER, Laszlo, dr.

Prof. Dr. Jozsef Guszman's 80th birthday. Borgyogy. vener. szemle 10 no.1:1-3 Jan 56.

(BIOGRAPHIES
Guszman, Jozsef)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

HERENFUHRER, Laszlo, dr.

On Mondor's disease. Borgyogy. vener. szemle 37 no.2:73-76 Ap'61.

1. A Budapesti Bor- el Nemibeteggondozo halozat kozponti Igargatosaga (Igazgato: Somogyi Zsigmond dr. egyetemi tanar, foorvos) kozlemenye.
(THORAX dis)
(THROMBOPHLEBITIS case reports)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

1. NEBENZYA, A.

2. USSR (600)

4. Windbreaks, Shelterbelts, Etc.

7. Traces of youth. Les.khoz. 5 no.10, 1952.

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

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

NEBERA, I. V., Cand of Med Sci -- (diss) "Condition of the Cardio-vascular System During Chronic Brucellosis and the Influence on It of Intervenal Vaccination," Omsk, 1959, 16 pp (Omsk Medical Institute im Kalinin) (KL, 5-60, 130)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

NEBERA, G.V., assistent

Effect of intravenous vaccination on the cardiovascular system of brucellosis patients. Report No.2. Trudy OMI no.26:123-130 '59. (MIRA 14:10)

1. Iz kafedry gospital'noy terapii Omskogo meditsinskogo instituta imeni Kalinina, zav. kafedroy prof. M.E.Vinnikov.
(VACCINATION) (BRUCELLOSIS)
(CARDIOVASCULAR SYSTEM—DISEASES)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001136

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

NEBERA, M. G.

Nebera, M. G.

"A Comparative Evaluation of the Effectiveness of Sulfanilamide Preparations and Sanazin in Treating Patients with Acute Dysentery." Min Health Ukrainian.SSR. Dnepropetrovsk State Medical Inst. Khar'kov, 195[illegible]. (Dissertation for the Degree of Candidate in Medical Science)

So: Knizhnaya le'opis', No. 27, 2 Jul 19[illegible]

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001136

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001136

NEBERA, V. P.

The importance of electric conductivity of minerals in electrostatic separation. S. F. Kuz'kin, A. [illegible], and V. P. Nebera. *Sbornik Nauch. Trudov Moskov. Inst. Tsvetnykh Metal.* No. 25, 33-41; *Referat. Zhur., Met.* 1956, No. 2798.—A specially constructed electronic device was used to measure the elec. cond. of a series of minerals, heated to 100–130° and then cooled. The cond. of minerals is changed considerably by treatment with reagents, e.g., the cond. of untreated quartz is 10^{-16}, of dried quartz 10^{-14}, of quartz treated with HF 7.3×10^{-11}, of quartz treated with Na oleate 10^{-13}, and of quartz treated with H_2SO_4 1.4×10^{-9}. Alexis N. Postnikoff

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Abstract

Translation from Referativnyy zhurnal Metallurgiya 1958 No 2 p 4 (USSR)

AUTHORS Kuz'kin S F Nebera V P

TITLE Flocculating Suspended Matter by Means of Polyelectrolytes (Agregatsiya suspenziy polielektrolitami)

PERIODICAL Byul tsvetn metallurgii 1957 No pp -14

ABSTRACT An analysis of data taken from the literature and of experimental data led to the conclusion that one of the most important ways of accelerating thickening was through the action on the pulp of chemical substances capable of flocculating the solid pulp particles Most effective were polymers of certain specially treated compounds namely polyelectrolytes
Bibliography 7 references A Sr

1. Compounds--Polymerization 2. Polymers--Test methods 3. Polymers --Test results

Card 1 1

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KUZ'KIN, S.F.; KUBERA, V.P.

Studying the effect of high-molecular reagents on the process of thickening. Izv. vys. ucheb. zav.; tsvet. met. 2 no.3:44-49 '59. (MIRA 12:9)

1. Krasnoyarskiy institut tsvetnykh metallov, Kafedra obogashcheniya rud redkikh i radioaktivnykh metallov.
(Ore dressing--Equipment and supplies)

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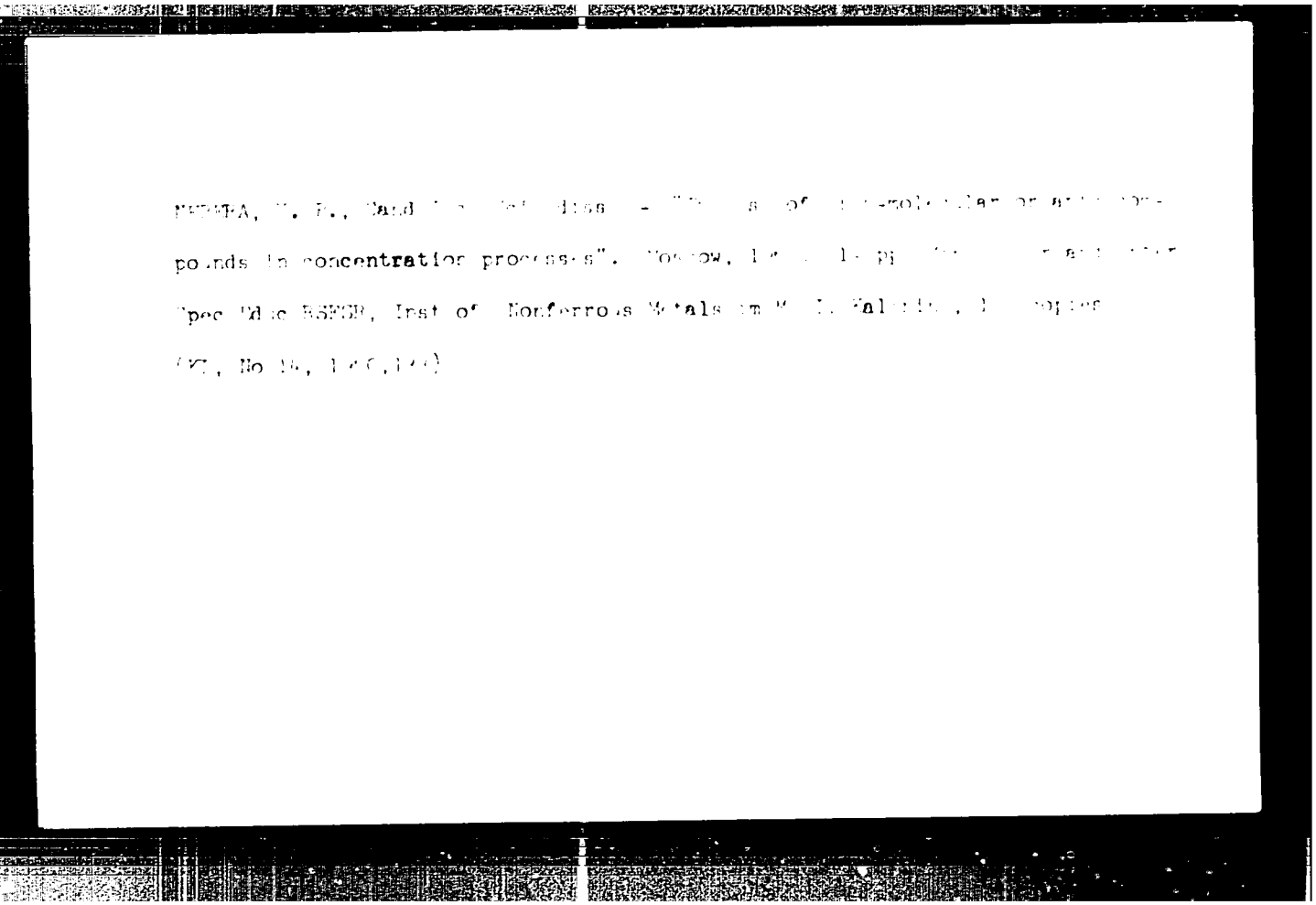

[illegible], [illegible], Cand [illegible] diss - "[illegible] of [illegible]-molecular or [illegible] compounds in concentration processes". Moscow, [illegible] pp [illegible] Spec Educ RSFSR, Inst of Nonferrous Metals im M. I. Kal[illegible], [illegible] copies ([illegible], No 14, [illegible])

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E193/E403

AUTHORS: Kuz'kin S.F., Nebera V.P. and Mal'tseva I.I.

TITLE: Application of Polyacrilamide in Thickening of Scheelite Concentrates

PERIODICAL: Tsvetnyye metally 1960, Nr 2, pp 17-20 (USSR)

ABSTRACT: In continuation of work carried out at the Institute of Non-Ferrous Metals (Ref 4, 6, 7), the authors of the present paper have conducted a series of experiments on improving the efficiency of the thickening operations with the aid of polyacrilamide, which is generally regarded as a very good flocculating agent. (The product used in these experiments had been prepared in a pilot plant at the Leningrad Metallurgical Research Institute by polymerization of the products of hydrolysis of acrylonitryl with sulphuric acid, the colourless gelatinous mass obtained in this manner contained 5% of active polyacrilamide). The experiments were conducted on beneficiation products obtained at the Ingichkinsky Plant, the ore, treated at this plant at the time of the present investigation, contained 0.3 to 0.6 WO_3 in the form of scheelite, finely dispersed in pyroxenes and

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E193/E483

Application of Polyacrilamide in Thickening of Scheelite Concentrates

pyroxene garnet skarns, and up to 15% of gangue minerals (granite and lime-stone). The ore was ground to contain 55 to 60% of the -0.074 mm fraction) in the presence of sodium carbonate (approximately 4.5 kg/t) pH of the pulp being maintained at 9.7 to 10.0 prior to flotation the pulp was treated with sodium silicate (1.5 kg/t), after which oleic acid (0.27 kg/t) mixed with equal quantity of kerosene, was added. The roughing flotation yielded concentrate in the form of pulp (23 to 24% solids) containing 2 to 4% WO_3 which was fed into an 8 m thickener, the slime discharge from the thickener (which was discarded) contained 50 to 60 g of solids per litre the WO_3 content in these solids being 0.6 to 0.8%, ie higher than in the crude ore. To avoid these losses of scheelite the slime discharge from the thickener was, for some time returned to the flotation machine, this step, however failed to produce the desired results, owing to the fact that scheelite can be successfully floated only directly after being conditioned with the flotation reagents and loses its

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E197/E483

Application of Polyacrilamide in Thickening of Scheelite Concentrates

flotability after being circulated. For this reason scheelite present in the slime discharge was not recovered and was lost in the flotation tailings, apart from the fact that the flotation process itself was adversely affected by the introduction of the slime discharge into the feed. The crude scheelite concentrate (ie the sand discharge from the thickener) mixed with sodium silicate (5.5 kg/t) was steam [illegible] at 85 to 90°C and fed into the flotation machine of the beneficiating cycle, the final flotation [illegible] containing 55 to 60% WO_3, constituted a pulp with 30 to 40% solids and was thickened in four pyramidal [illegible] tanks (total area 12 m^2 total volume 15 m^3) the slime discharge from these tanks, containing 55 to 65 g/l of solids with 6 to 12% WO_3 was treated again in a cylindrical settling tank in series with several square settling tanks (total area - 12 m^2 total volume 12 m^3) however, only 10% solids was recovered by this method so that in each 15 m^3 of the slime discharge, 500 to

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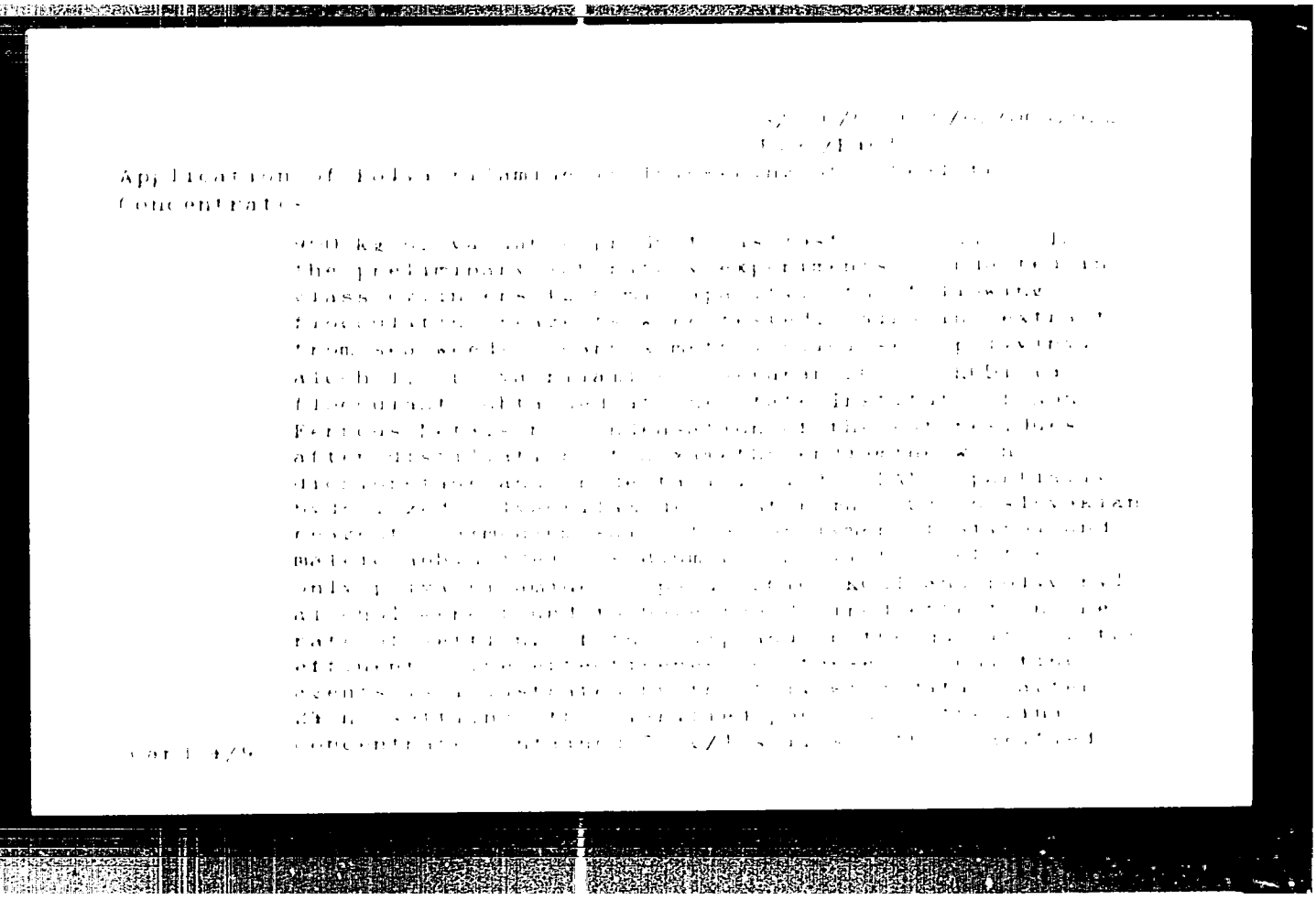

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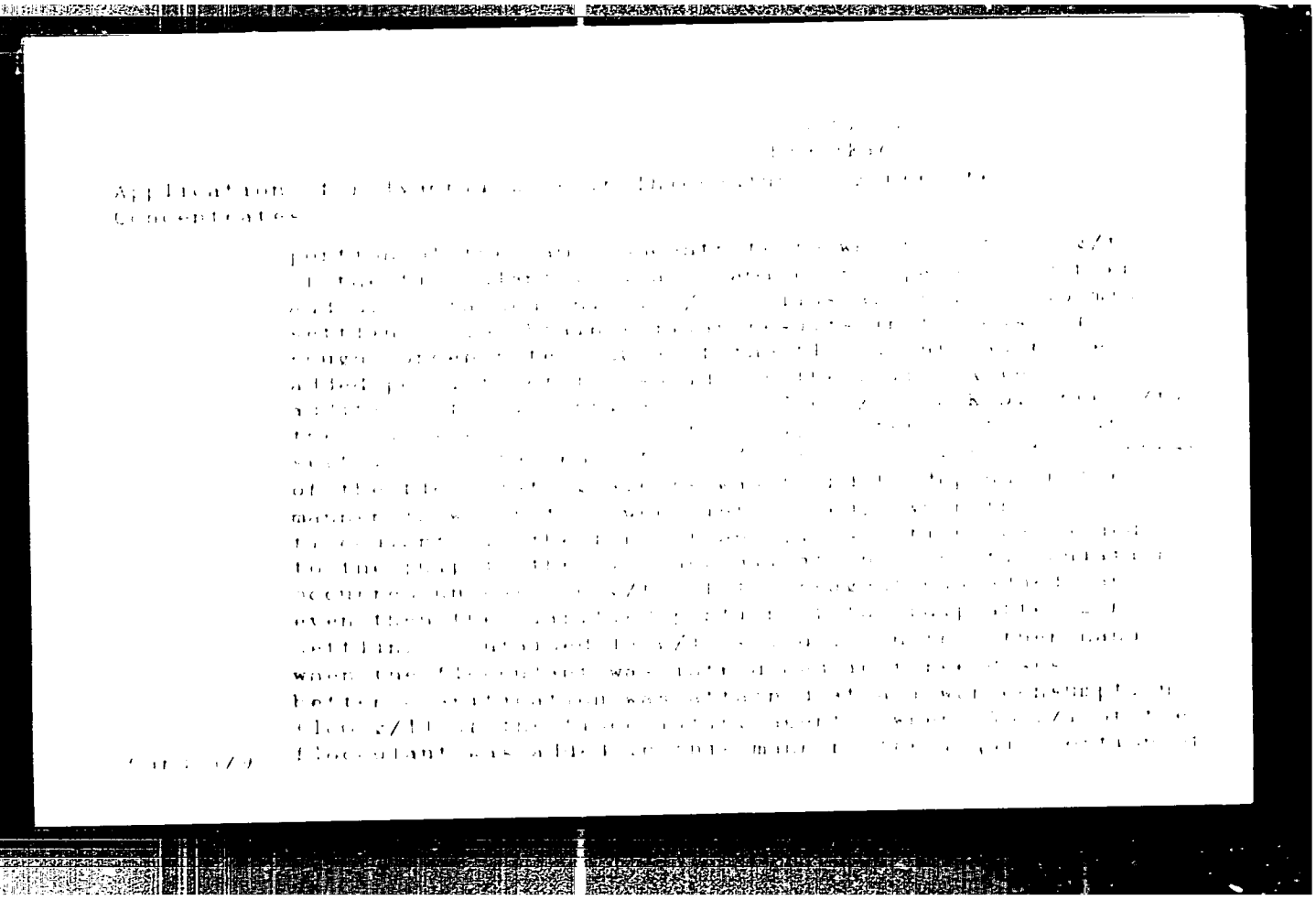

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Application of Polyacrylamide in Processing of Sulphide Concentrates

the pulp became absolutely clear after 5 to 6 min settling. For rapid measurement of the transparency of the liquid a photo-colorimeter of the "Leningrad" type was used. It had been preliminarily calibrated by determining the position of the pointer for pure water (fifth division on the scale) and for water containing more than 20 g/l solids (second division on the scale), and the relative transparency of the clarified portion of the pulp in various experiments was described by quoting the readings of the instrument. This method was used in presenting the results of experiments in which the effect of the method of adding 50 g/t of polyacrylamide to the rough concentrate on the settling process had been studied. These results are reproduced in Table 1 under the following headings: settling time, min, transparency of the clarified portion of the liquid when the flocculant in the form of an 0.5% solution, had been added in six doses, transparency of the clarified liquid when the flocculant, in the form of an 0.05% solution, was added in two doses. It will be

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E193/E463

Application of Polyacrilamide in Thickening of Scheelite Concentrates

seen that if a low consumption of the flocculant is aimed at, it has to be used in a highly diluted form thus, for instance, when only 50 g/t of the reagent is used, it should be diluted to 0.006%. Similar results were obtained for settling of the final concentrate in the case of which 35 g/t of the flocculant, diluted to 0.002%, gave satisfactory results although, when further dilution was attempted, no flocculation took place unless more reagent was used. The laboratory investigation was followed by a series of industrial tests in which polyacrilamide was used. The flocculant was fed continuously for 30 h into the 6 m thickener; the specific consumption of the reagent was calculated from the data on the quantity of the treated ore and the quantity of flocculant used during this period. When no flocculant was applied, the slime discharge of the thickener contained 50 to 67 g/l solids. In the presence of the flocculant, the content of solids in the slime discharge was reduced to 12 to 20 g/l, the corresponding consumption of the flocculant being 90 to 30 g/t. In

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[illegible]

Application of Polyacrylamide in Thickening of Scheelite Concentrates

this way the content of solids in the slime discharge from the thickener was reduced by more than 75% giving a daily saving of 3.5 to 6 t of valuable material. Some results of the industrial tests are reproduced in Table 2 under the following headings: conditions (no flocculant, no flocculant, flocculant added, flocculant added), shift content (%) of WO_3 in the ore, tailings and rough flotation concentrate, recovery (%) of WO_3 in the rough concentrate, WO_3 content (%) in the final concentrate. The effect of the polyacrylamide addition on thickening of the final concentrate was even more beneficial since in this case it was possible to add a larger proportion of this reagent. In the absence of the flocculating agent the clarified liquid after 0.5 settling contained 50 g/l solids. When polyacrylamide was added (30 l of 0.5% solution per [illegible] of the concentrate) the clarified liquid after 0.5 settling contained practically no suspended solids. It was estimated that [illegible] were used per [illegible] of the

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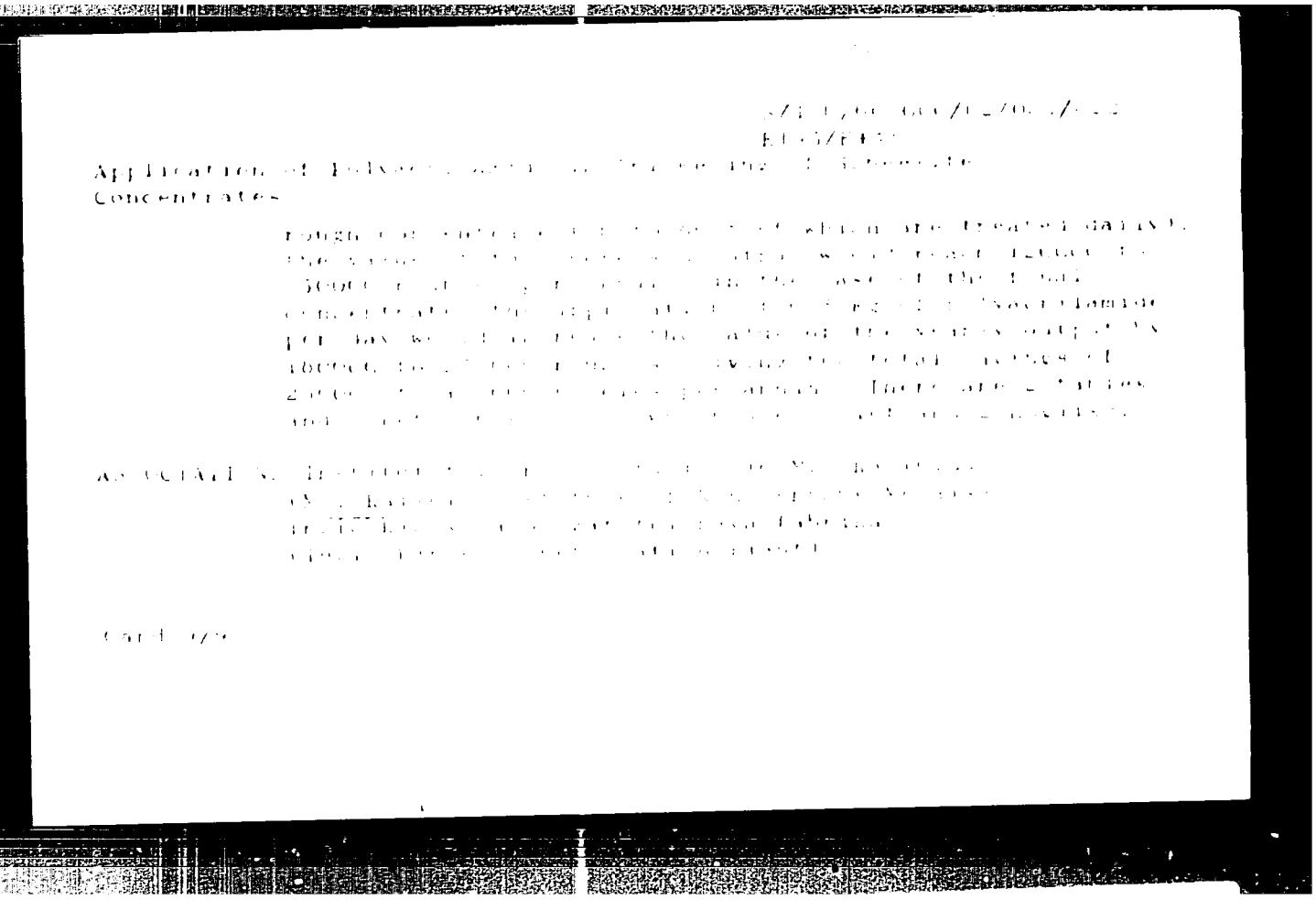

Application of

Concentrates

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KUZ'KIN, S.F.; NEBERA, V.P.

Mechanism of polyacrylamide floculator action. Sbor. nauch. trud. GINTSVETMET no.33:202-216 '60. (MIRA 15:3)
(Flotation--Equipment and supplies) (Acrylamide)

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113(

KUZKIN, S. F.; NEBERA, V. P.; ZOLIN, S. N.

"On some points of the theory of suspensions flocculation by polyacrylamides."

report submitted for 7th Intl Mineral Processing Cong, New York, 20-2[illegible] Sep 64.

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OL KIN, [illegible]; NEBER[illegible], V.[illegible].

Scientific research institutes and universities in India
Izv. vys. ucheb. zav.; tsvet. met. 8 no.5/149-155 '65.
(MIRA 18:[illegible])

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21559

S/020/61/137/003/007/030
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24.7900 (1035, 1055, 1163, 1469)

AUTHORS: Galkin, A. A. and Neberezhnykh, V. P.

TITLE: Paramagnetic resonance on conduction electrons of copper

PERIODICAL: Doklady Akademii nauk SSSR, v. 137, no. 3, 1961, 549-550

TEXT: This paper was read at the XIII Vsesoyuznoye soveshchaniye po spektroskopii (XIII All-Union Conference on Spectroscopy) held in June, 1960. Experiments are described of studying the surface resistance of copper in a magnetic field H for frequencies up to $\nu = 3.6 \cdot 10^{10}$ cps. The purpose of the experiments was to observe the paramagnetic resonance. The specimen was a copper resonator (wave guide) made of pure electrolytic copper having the ratio $R_{4.2^\circ K}/R_{300^\circ K}$ less than 10^{-3}. This value rose to 10^{-2} due to Cu deformation during the construction of the resonator The surface of the resonator was polished electrolytically. Fig. 1 shows graphically the values $R(H)/R(0)$ as a function of the magnetic field strength at temperatures of 77°K and 4.2°K. From the value of the field strength for the maximum, the value of the g factor is determined

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to be about 2.1. It is found that the form of the absorption line depends essentially on the temperature; that the intensity of the line with the g-factor 2.1 increases with a decrease in temperature, the blurred lines broadening simultaneously and disappearing completely at the temperature of helium. To clarify the nature of observed lines the temperature dependence of the intensity of these lines and the absorption lines of the radical were studied. The experiments showed that the line intensity of the radical decreases to a quarter of its value as the temperature was increased from 77 to 300°K, while that of the absorption line of the resonator remains practically constant. With the help of Dyson's theory the authors conclude that the lines with $g = 2.1$ are related to the spin relaxation of the conduction electrons. The contraction of these lines on change of temperature is related to the increase of the spin relaxation time: $1.7 \cdot 10^{-10}$ seconds at 300°K; $2.1 \cdot 10^{-10}$ seconds at 77°K; $4.2 \cdot 10^{-10}$ seconds at 4.2°K. The broadening of the second absorption line is caused by the decrease of the electron diffusion time from the skin layer into the metal. Furthermore, the experiment showed symmetric absorption lines which fact is in contradiction with the results of the

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theory. This is because the conditions in the experiment are different from those assumed in the derivation of the theoretical law. Professor D. P. Zosimovich is thanked for making available a very pure copper foil prepared in the laboratory of the Institut neorganicheskoy khimii AN USSR (Institute of Inorganic Chemistry of the Academy of Sciences UkrSSR). There are 1 figure and 10 references: 2 Soviet-bloc and 8 non-Soviet-bloc.

ASSOCIATION: Fiziko-tekhnicheskiy institut nizkikh temperatur Akademii nauk USSR
(Institute of Physics and Technology of Low Temperatures of the Academy of Sciences UkrSSR)

PRESENTED: September 24, 1960, by I. K. Kikoin, Academician

SUBMITTED: September 23, 1960

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Paramagnetic resonance ...

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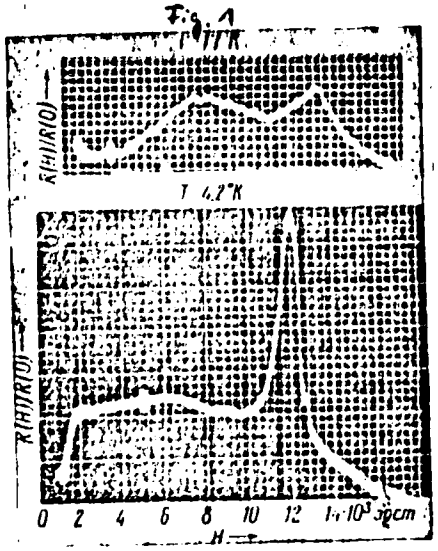
Fig. 1



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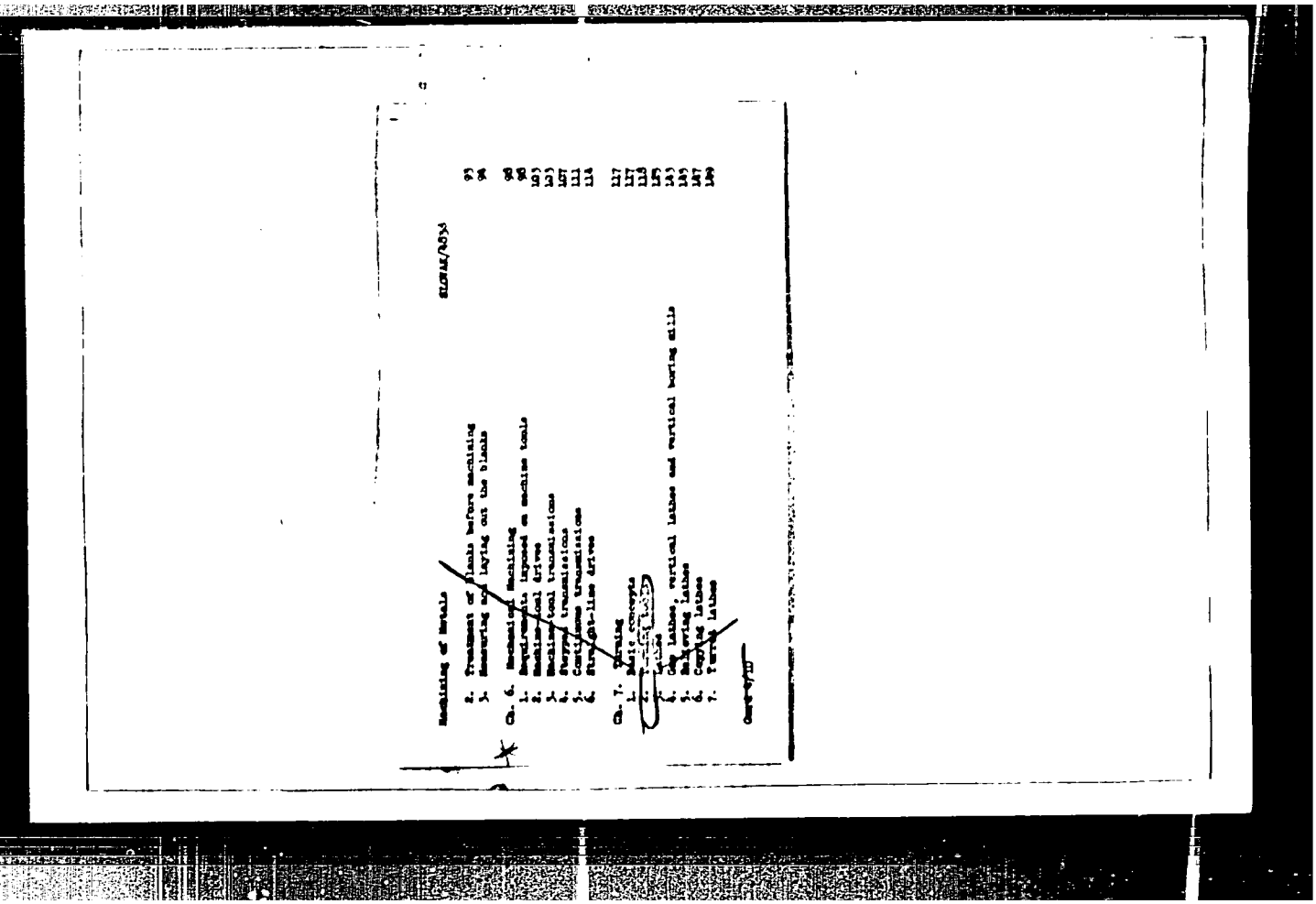

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NEHESKY, Jaroslav, inz.; FUKA, Miroslav, inz.

Construction of a prestressed concrete tower. Inz stavby 6 no.3:119-122 Mr '58.

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Prestressing of ceiling slabs by electroheating of reinforcement.
Stavivo 40 no.12:406-409 D '62.

1. Prefa, n.p., Praha.

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16 no. 6:458 Je '64.

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NEBESNOV, K.P.

Laying of diesel engine crankshafts. Sudostroenie [illegible]
Ja '64. (MIRA [illegible])

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[illegible], [illegible]

42581. Neustanovivsheyesya Dvizheniye Sudovogo Dvigatelya. Nauch. Trudy (Odes. In-T Inzh. Mor. Flota), vyp. 7. 1948, S. 123-37

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USSR/Engineering Oct 48
Ships - Propulsion
Engines, Diesel

"Factors Acting on the Minimum Number of Rotations of a Ship's Diesel," Docent V. Nebesnov, 3½ pp

"Morskoy Flot" No 10

Discusses dynamic, thermodynamic, hydrodynamic, and gasodynamic factors.

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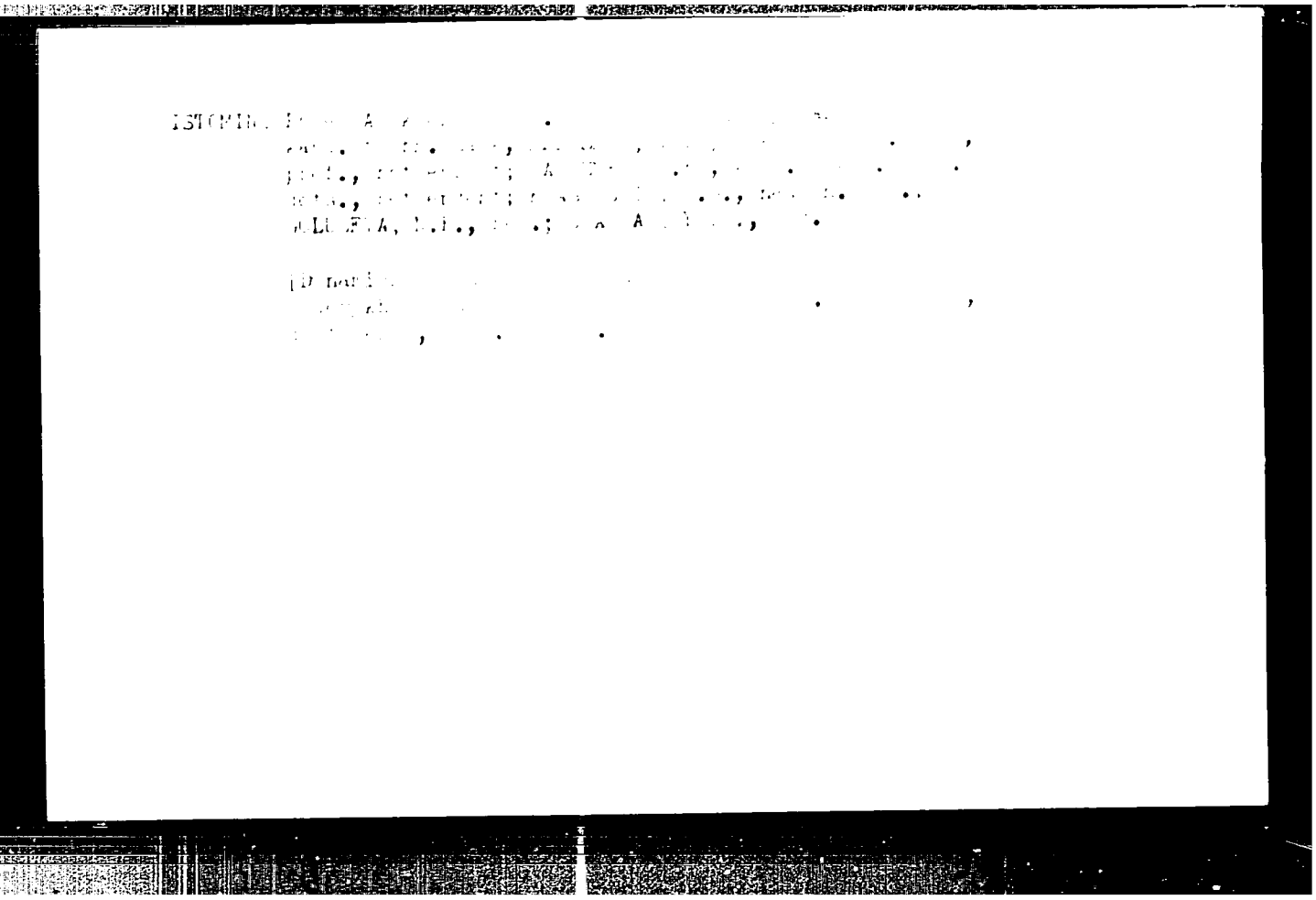

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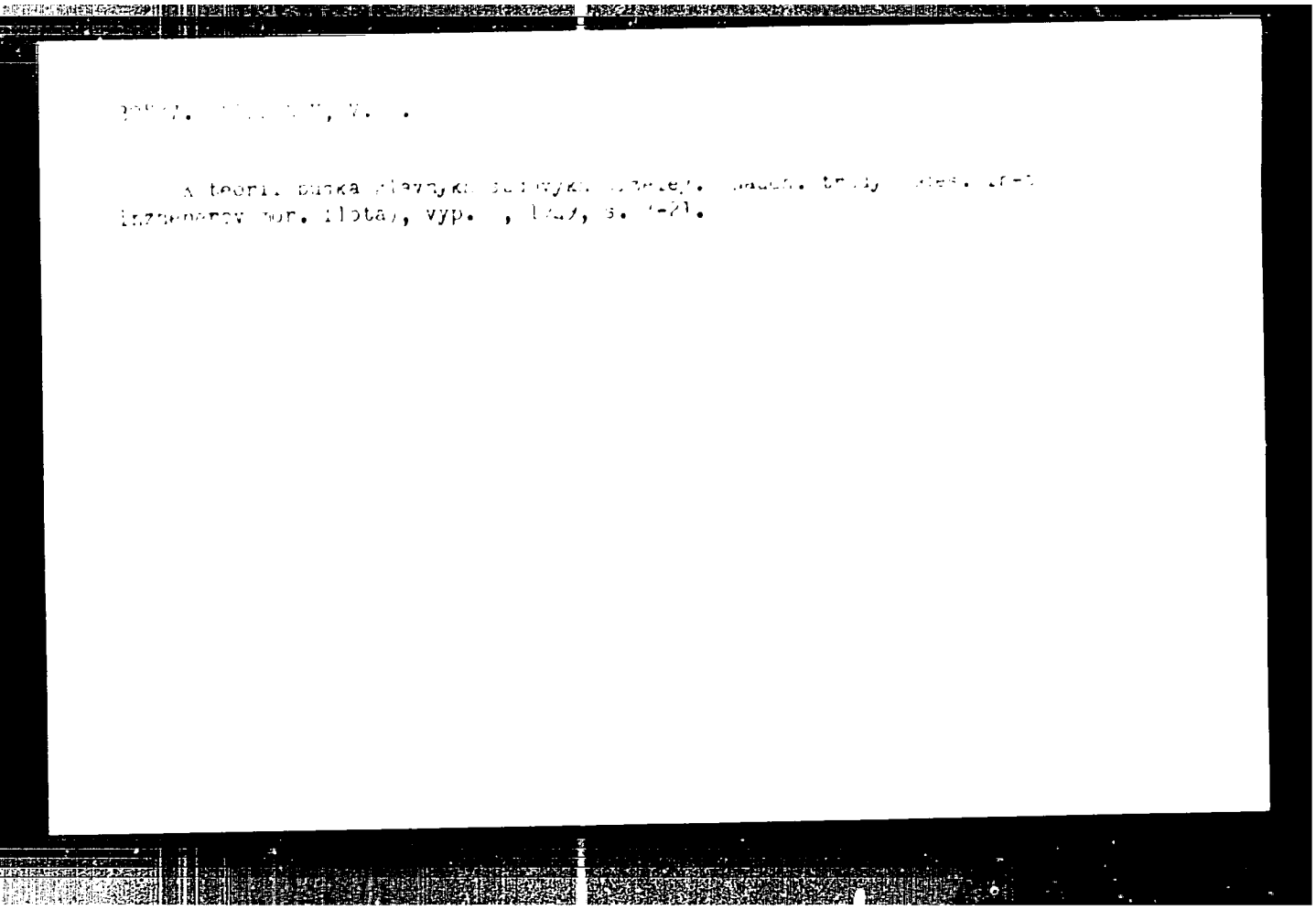

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124-57-1-608

Translation from Referativnyy zhurnal, Mekhanika, 1957, Nr 1, p 76 (USSR)

AUTHOR Nebesnov, V I

TITLE A Graphical Method for the Analysis of Transitional Motions of the Engines-Propellers-Hull System of a Ship (Graficheskiy metod analiza perekhodnykh dvizheniy sistemy dvigateli - vinty - korpus sudna)

PERIODICAL Nauch tr Odessk in-t inzh mor flota, 1956, Nr 12, pp 38-51

ABSTRACT In the examination of the main powerplant of a ship in conjunction with the propellers and the hull of the ship as a single mechanical entity, the investigation of the comportment of the entire aggregate must be based on a simultaneous solution of the equations of motion of the engines, the propellers, and the ship itself. Such an investigation becomes exceedingly difficult if it is conducted by the usual analytical and graphical methods employed in the theory of machines. Therefore, the author proposes a graphical method for the analysis of the comportment of propeller-driving ship powerplants, wherein the characteristics of the ship hull and the propellers are assumed to be

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A Graphical Method for the Analysis of (cont.)

given and the drive torque is assumed to be a function of the angular shaft speed. This method affords a solution of the equation of motion of the system during transitional phases, such as during acceleration, halting, and reversal of the motion of the ship and the engine-propeller group, in the transition of the entire system from one regime to another, and permits the determination of the indispensable parameters of such a motion, such as the relative velocity of motion of the ship, the variation of the angular velocity of the propeller with time, the duration of a coasting run-out, etc. An illustrative example accompanies the paper.

A. N. Shmyrev

Ships--Motion--Mathematical analysis

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124-57-2-1966

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 2, p 69 (USSR)

AUTHOR: Nebeshov, V. I.

TITLE: A Recording Instrument Registering the Motion of Ship Engines During Transitional Stages of Operation (Pribor dlya registratsii dvizheniya sudovykh mashin na perekhodnykh rezhimakh)

PERIODICAL: Nauch. tr. Odesskogo instituta inzh. mor. flota, 1956, Nr 12, pp 59-66

ABSTRACT: A description of the operating principle and design of a tachograph, a special instrument intended to determine the ship by the coasting method, as well as for the control of the maneuvering operations of the ship engines, in different operating conditions. The analysis of the tachograms obtained by means of the described instrument permits to establish the performance characteristics of an engine as well as its rpm versus time. The instrument may also be used as a mathematical device, having the combined functions of both a cycloidograph and an ellipsograph.

A. N. Shmyrev

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MEBELSHOV, V.I., prof.; ZUYEV, G.I., dotsent

Geometry of gearing in one type of oil pump used in marine diesel engines. Nauch.trudy OIIMF no.13:22-32 '57. (MIRA 11:11)
(Gearing) (Fuel pumps) (Marine diesel engines)

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

NEBESHOV, V.I., doktor tekhn.nauk, prof.

Dynamics of single-screw ships when in narrow waters. Nauch.trudy OIIMF no.16:30-51 '58. (MIRA 11:11)
(Anchorage)

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BOGOSLOVSKIY, Andrey Mikhaylovich; ZDANOVICH, Vasiliy Leont'yevich; MATVEYEV, Yevgeniy Nikolayevich; MUMZI, Georgiy Fedorovich; MSHANETSKIY, Boris Antonovich; NEZHENTSEV, Viktor Ivanovich; NOVIKOV, Georgiy Nikolayevich [deceased]; NUD'GA, Pavel Korneyevich; SAPRYKIN, Aleksey Petrovich; SACHKOVSKIY, Georgiy Semenovich; FRENK, M.TS., obshchiy red.; MELEYEV, A.S., red.; TIKHONOVA, Ye.A., tekhn.red.

[Textbook for engineers on marine internal combustion engines] Uchebnoe posobie dlia mekhanika III razriada po sudovym dvigateliam vnutrennego sgoraniia. Izd.2., perer. Pod obshchei red. M.TS.Frenka. Moskva, Izd-vo "Morskoi transport," 1959. 711 p. (MIRA 12:9)
(Marine engineering)

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NEBESNOV, Viktor Ivanovich; ARTOBOLEVSKIY, I.I., akademik, nauchnyy red.; NAYDENKO, O.K., kand. tekhn. nauk, retsenzent; BASIN, A.M., prof., retsenzent; SMIRNOV, Yu.I., red.; TSAL, R.K., tekhn. red.

[Dynamics of the engine in the system composed of a ship's hul., the propeller, and the engine] Dinamika dvigatelia v sisteme korpus sudna - vinty - dvigatel'. Leningrad, Gos. soiuznoe izd-vo sudostroit., promyshl., 19[illegible]. 373 p. (MIRA 14:11)

(Marine engines)

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

NEBESNOV, V.I., prof.

Calculating operational conditions of power plant performance on motorships. Sud.sil.ust. no.1:113-123 '61. (MIRA 15:7)

1. Odesskiy institut inzhenerov morskogo flota.
(Marine engineering)

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

NEBESNOV, V.I. (Odessa)

Evaluation of the effect of current and inclination of the path on the performance of a unit consisting of engines, propellers, and hull of the vessel. Izv. AN SSSR. Otd. tekh. nauk. Energ. i avtom. no.3:179-184 My-Je '61. (MIRA 14:7)
(Ship resistance) (Hydrodynamics)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

NEBESNOV, V., doktor tekhn.nauk; RUBAN, G., inzh.

Characteristics of the loading of an engine operating with a water-jet propeller. Rech. transp. 20 no. 3:25-28 Mr '61. (MIRA 14:5)
(Marine engines)

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

NEBESNOV, V.I., doktor tekhn.nauk; ZUYEV, G.I., kand.tekhn.nauk

Engine performance in a water-jet propelled unit. Sudostroenie 27 no.5:14-18 My '61. (MIRA 14:6)
(Ship propulsion)

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001136

NEBESNOV, Viktor Ivanovich; RUBAN, Georgiy Alekseyevich; PERVOV, V.M., red.; KSENOFONTOVA, Ye.F., red. izd-va; KHLOPOVA, L.K., tekhn. red.

[Preventing the breakdown of marine shafts as a result of dangerous torsional vibrations] Preduprezhdenie polomok sudovykh valov ot opasnykh krutil'nykh kolebanii. Moskva, Izd-vo "Morskoi transport," 1962. 41 p. (MIRA 15:5)
(Shafting--Vibrations) (Vibrations (Marine engineering))

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001136

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001136

NEBESNOV, Viktor Ivanovich; RABINOVICH, Ye.M., red.; SKOBELING, L.V., red. izd-va; LAVRENOVA, N.B., tekhn.red.

[Estimate of the operating conditions of marine power plants on motorships]Raschet ekspluatatsionnykh rezhimov raboty silovoi ustanovki teplokhoda. Moskva, Izd-vo "Morskoi transport," 1962. 141 p. (MIRA 15:11)

(Motorships) (Marine gas turbines)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001136

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

ZUYEV, G.I. (Odessa); NEKESNOV, V.I. (Odessa); SURKOV, Ye.M. (Odessa)

Transient operating conditions in a system consisting of a vessel hull, propellers, and engines. Izv. AN SSSR. Otd. tekh. nauk. Energ. i avtom. no.3:65-72 My-Je '62. (MIRA 15:6)
(Marine engineering) (Electromechanical analogies)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001136

NEBESNOV, V.I., doktor tekhn.nauk

Diagram for the approximate determination of the distance and time for the run-down of a ship with controllable pitch propeller. Sudostroenie 29 no.11:12-13 N '63. (MIRA 16:12)

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

NEBESNOV, V.I.; PLOTNIKOV, V.A.

Electric modeling of conditions of the simultaneous operation of ship hulls, propellers, and engines. Sudorem. i sudostr. no.2: 126-140 '63. (MIRA 17:4)

1. Odesskiy institut inzhenerov morskogo flota.

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

NEBESNOV, Viktor Ivanovich, prof.; KVANTALIANI, N.Ye., inzh., retsenzent; NAYDENKO, O.K., kand. tekhn. nauk, prof., retsenzent; KOZHEVNIKOV, S.N., nauchn. red.; NIKITINA, R.D., red.

[Problems in the joint operation of ship engines, propellers and the hull; studies with electronic analog computers] Voprosy sovmestnoi raboty dvigatelei, vintov i korpusa sudna; issledovaniia na EVMND. Leningrad, Sudostroenie, 1965. 246 p. (MIRA 18:9)

1. Chlen-korrespondent AN Ukr.SSR (for Kozhevnikov).

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

GITTIS, Vladimir Yul'yevich [deceased]; BONIARENKO, Vladimir Leonidovich, YEFIMOV, Teodor Petrovich, POLYAKOV, Yuriy Gavrilovich [deceased], CHURBANOV, Boris Mikhaylovich, NEBESNOV, V.I., doktor tekhn. nauk, prof., retsenzent; PERVOV, V.M., red.

[Theoretical principles of the operation of marine diesel engines] Teoreticheskie osnovy ekspluatatsii sudovykh dizelei. Moskva, Transport, 1965. 374 p.

1. Glavnyy spetsialist Ministerstva morskogo flota SSSR (for Pervov).

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L 27297-66 EWP(h)/EWT(d)/EWP(1)
ACC NR: AM6000589 Monograph UR/ 17
8+1

Nebesnov, Viktor Ivanovich

Problems of coordinating the operation of the engines, propellers, and the hull of a ship; research with the aid of an electronic analog computer (Voprosy sovmestnoy raboty dvigateley, vintov i korpusa sudna; issledovaniye na EVMND) Leningrad, Izd-vo "Sudstroyeniye," 1965. 246 p. illus., biblio., 2400 copies printed.

TOPIC TAGS: marine engineering, marine engine, marine equipment, ship component, computer modeling

PURPOSE AND COVERAGE: This book is intended for engineers and mechanics engaged in the research and design of ships. It may also be useful to students in schools of higher education. The problems of coordinating the operation of all of the ship's components during the transition processes in maneuvering are covered. Sets of equations, characterizing the movement of the various ship components, are presented and criteria for comparison of various engine, propeller, and hull combinations are given. The nomograms of the calculated results may be used in the design and construction of ships. Methods of using computors to solve the complex problems of the dynamics of the ship's systems during the reversing process are also covered, and solutions for the computations of these problems for all types of ship systems are presented in charts.

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ACC NR: AM6000589

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Ch. II. General information on electronic analogs -- 69

Ch. III. Coordinating the operation of engines, fixed-pitch propellers, and the ship's hull during maneuvering -- 90

Ch. IV. Coordinating the operation of engines, hydraulic clutches, fixed-pitch propellers, and the ship's hull during maneuvering -- 125

Ch. V. Coordinating the operation of engines, fixed-pitch propellers, and the ship's hull during maneuvering -- 163

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

ACC NR: AT7002856 (N) SOURCE CODE: UR/3239/66/000/003/0083/0087

AUTHORS: Nebesnov, V. I.; Kurochka, L. Ya.

ORG: none

TITLE: The performance of marine engines under storm conditions

SOURCE: Nikolayev. Korablestroitel'nyy institut. Sudostroyeniye i morskiye sooruzheniye no. 3, 1966, Sudovyye energeticheskiye ustanovki (Ship power equipment), 83-87

TOPIC TAGS: ship component, marine engine, engine performance characteristic, shaft, elasticity

ABSTRACT: The dynamics of ship propulsion units with elastic coupling between the main engine and the screw was investigated analytically for storm conditions. The equations of motion of the system elements were taken in the standard form. The change of the relative torque of the elastic coupling was represented by the mechanical characteristics of a single-cell electromagnetic slip clutch. This approximates the characteristics of marine hydrodynamic clutches. The effects of the rocking motion of the ship were introduced in accordance with the findings of M. A. Grechin (O sovmestnoy rabote grebnogo vinta i dvigatelya v usloviyakh volneniya i kilevoy kachki sudna. Trudy TSNIIMFa, vol. 35, 1961). Since the equations can not be solved

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ACC NR: AT7002856

in a closed form, an analog computer was used to produce a solution which is presented on an oscillograph as functional relationships between the shaft speeds for the various components and the ship motion. The physical parameters introduced in the computer cover the entire range of practical values. Orig. art. has: 2 figures and 7 formulas.

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001136

ACC NR: AR6030143 (N) SOURCE CODE: UR/0398/66/000/010/V010/V010

AUTHOR: Nebesnov, V. N.; Sedov, A. M.

TITLE: Dynamic analysis of hydromechanical complexes of hydrofoils by means of analog computers

SOURCE: Ref. zh. Vodnyy transport, Abs. 10V50

REF SOURCE: Sb. Vy hisl. tekhn. na morsk. transp. M., Transport, 1966, 76-87

TOPIC TAGS: hydrofoil, function analysis, mathematic analysis, analog computer

ABSTRACT: Theoretical methods of studying hydrofoils under transition operating conditions, such as the maneuvering properties of their main engine, power transmission, propeller, and hull system, and particularly of the composite hydromechanical complexes of hydrofoils, can be obtained only by means of analog computers. Such a system is investigated in the following consecutive order: plotting of the mathematical reference description of the system processes; reduction of equations to a general form; solving of transformations with analog computers; plotting of diagrams or approximate analytical relations. A mathematical description of the transition operating conditions of hydrofoil hydromechanical complexes with constant-pitch propellers is presented. The obtained equations are of a form adequate for easy use on analog computers.

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113

NEMESNYKH, F., mekhanik

Gasoline burner for heating cable boxes and solder. Na stroi. Mosk. 2 no.7:23 Jl '59. (MIRA 12:10)

1.Stroitel'nyy uchastok No.55 tresta Moselektromontazh.
(Burners)

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PHASE I BOOK EXPLOITATION SOV/3572

Nebesnyy, Andrey Danilovich, Engineer, Vasiliy Vasil'yevich Skvortsov, Engineer, and Dmitriy Vladimirovich Sokolov, Engineer

Mekhanizatsiya i industrializatsiya elektromontazhnykh rabot (Mechanization and Industrialization in Electrical Assembly Work) Moscow, Gosstroyizdat, 1959. 218 p. 5,000 copies printed.

Ed. of Publishing House: G. M. Shirokova; Tech. Ed.: L. M. Osenko.

PURPOSE: This book is intended for technical personnel engaged in electrical assembly work.

COVERAGE: The book presents the fundamentals of installation practices of power-generating and distributing equipment. Devices used in the installation jobs and problems of mechanization are surveyed. Methods applied to such operations are described and evaluated. The material presented in this book reflects the most advanced practices as applied, for example, by the Glavelektromontazh (Main Administration for Power-Equipment Installation) of the Ministry for Civil Engineering and Industrial Construction of the RSFSR and by the

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Mechanization and Industrialization (Cont.) SOV/3572

Ministry for Power-Plant Building of the USSR. No personalities are mentioned. There are no references.

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ALEKSEYEV, A.G.; BAYUSHKIN, S.N.; MARKELOV, V.V.; NEBESNYY, A.D.; SOKOLOV, D.V., inzh., red.; VOLNYANSKIY, A.K., glav. red.; TARAN, V.D., red.; SEREBRENNIKOV, S.S., red.; MIKHAYLOV, K.A., red.; STAROVEROV, I.G., red.; VOLODIN, V.Ye., red.; NIKOLAYEVSKIY, Ye.Ya., red.; CHEKHOVSKAYA, T.P., red. izd-va; BOROVNEV, N.K., tekhn. red.

[Concise manual on electric wiring operations] Kratkii spravochnik proizvoditelia elektromontazhnykh rabot. Pod red. D.V.Sokolova. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1961. 311 p. (MIRA 14:10)

1. Moscow. Gosudarstvennyy proyektnyy institut Tyazhpromelektroproyekt.

(Electric wiring—Handbooks, manuals, etc.)

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