"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVIKOV, I.T., inzh.

The Kremenchug Hydroelectric Plant is the principal link of the Dnieper system of hydroelectric power plants. Energ.stroi. no.23: 5-15 '61. (MIRA 15:1)

1. Ministr stroitel'stva elektrostantsiy.
(Kremenchug Hydroelectric Power Station)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVIKOV, I.T.

Results and prospects of the expansion of heat engineering in the U.S.S.R. Teploenergetika 8 no.10:5-9 O '61. (MIRA 14:10)

1. Ministr stroitel'stva elektrostantsiy SSSR.
(Power engineering)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVIKOV, I.T.

Prospects of the expansion of power engineering in [illegible]
Teploenergetika 6 no 12:3-7 D '59. (MIRA 13

1. Ministr stroitel'stva elektrostantsiy SSSR.
(Power engineering)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

[illegible]OV, I.T.; NEPOROZHNIY, [illegible].S.; LAVRENENKO, [illegible].D.; [illegible], [illegible];
[illegible]OV, Ya.I.; [illegible]OV, [illegible].A.; S[illegible], [illegible]; [illegible],
[illegible]; [illegible], [illegible].I.; [illegible], V.S.; [illegible]OV, [illegible].
[illegible]ZIN, N.V.; [illegible]TSARUMOV, L.N.; [illegible]OV, [illegible]; [illegible], [illegible]
SH[illegible], [illegible]; OZANOV, K.A.; LIV[illegible], A.Ya.; [illegible], [illegible];
[illegible]STROV, P.S.

Sergei Borisovich Fo[illegible]l'son. Gidr. stroi. 31 no. 1:[illegible]-[illegible]
Ja '[illegible]1. ([illegible])
(Fo[illegible]l'son, Sergei Borisovich, 1911-1[illegible]0)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVIKOV, I.T.

Great victory of Soviet hydroelectric power construction workers.
Gidr.stroi. 31 no.8:5-6 Ag '61. (MIRA 14:8)

1. Ministr stroitel'stva elektrostantsiy.
(Stalingrad Hydroelectric Power Station)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVIKOV, Ignatiy Trofimovich; VORONOV, V.V., red.; LISOV, V.Ye., red.; GERASIMOVA, Ye.S., tekhn. red.

[Growth of power engineering and the creation of a consolidated electric -power system in the U.S.S.R.] Razvitie energetiki i sozdanie edinoi energeticheskoi sistemy SSSR. Moskva, Ekonomizdat, 1962. 240 p. (MIRA 15:11)
(Electric power)
(Interconnected electric utility systems)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVIKOV, I.T.; NEPOROZHNIY, P.S.; GINZBURG, S.Z.; BELYAKOV, A.A.; ERISTOV, V.S.; VOZNESENSKIY, A.N.; IVANTSOV, N.M.; BOROVOY, A.A.; TEIMAN, I.A.; ALEKSANDROV, B.K.; YURINOV, D.M.; NOSOV, R.P.; MIKHAYLOV, A.V.; NICHIPOROVICH, A.A.; ABELEV, A.S.; PROSKURYAKOV, B.V.; MENKEL', M.F.; KRITSKIY, S.N.; BELYY, L.D.

Mikhail Evgen'evich Knorre. Gidr. stroi. 32 no.5: My '62. (MIRA 15:5)
(Knorre, Mikhail Evgen'evich, 1876-1962)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

BELYANCHIKOV, V.N., inzh.; NOVIKOV, I.V., inzh.; ZAYTSEV, I.Ye., inzh.; AKIL'YEV, S.A., inzh.; BELKIN, V.A., inzh.; POCHKINA, L.A., inzh.; [illegible], uchastiye: KOPEYKINA, O.P.; [illegible], A.N.; BELKINA, S.S.; SHILINA, Ye.I.; LAGUNOV, Ye.N.; REZNIK, S.Z.; RISMAN, B.I.; KUZ'MINYKH, A.A., red.izd-va; SHISKOVA, R.Ye., tekhn. red.

[Operational life of parts of excavating, construction, and road machinery; a reference catalog] Sroki sluzhby detalei ekskavatorov, stroitel'nykh i dorozhnykh mashin, katalog spravochnik. Izd.2., perer. i dop. Moskva, Goslesbumizdat. Pt.2. [Road, construction machinery, and machinery for manufacturing building materials] Dorozhnye, stroitel'nye mashiny i mashiny dlia proizvodstva stroitel'nykh materialov. 1963. 306 p. (MIRA 17:..)

1. "Stroitiyazhmashzapchast'," Tekhnicheskaya kontora. Konstruktorskoye byuro.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVIKOV, I. V.

NOVIKOV, I. V.: "The history of development and an analysis of the meadow park in the city of Petrodvorets". Leningrad, 1955. Academy of Arts USSR. Inst of Painting, Sculpture, and Architecture imeni I. Ye. Repina. (Dissertations for the Degree of Candidate of Architectural Sciences)

SO: Knizhnaya letopis', No. 52, 24 December, 1955. Moscow.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVIKOV, I. V.

NOVIKOV, I. A.: "The use of the anti-coagulant dicumarin in thrombophlebitis (clinical-experimental investigations)." Central Inst for the Advanced Training of Physicians. Moscow, 1956. (Dissertation for the Degree of Candidate in Medical Science.)

So: Knizhnaya letopis', No. 37, 1956. Moscow.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

KONOVALOV, A.V., inzhener; NOVIKOV, I.V., kandidat tekhnicheskikh nauk.

Ways of increasing the reliability of the stopping mechanism on warping machines. Tekst.prom.15 no.3:22-26 Mr '55. (MLRA 8:4)
(Warping machines)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

KANTSEL', Ya.O., inzh.; BELYANCHIKOV, V.N., inzh.; NOVIKOV, I.V., inzh.; ZAYTSEV, L.Ye., inzh.; AKIL'YEV, S.A., inzh.; BELKIN, V.A., inzh.; POCHKINA, L.A., inzh.; VASIL'YEV, O.A., inzh.; KUZ'MINYKH, A.A., red.izd-va; SHIBKOVA, .Ye., tekhn. red.

[Service life of parts of excavating, construction and road machinery; a reference catalog] Sroki sluzhby detalei ekskavatorov, stroitel'nykh i dorozhnykh mashin; katalog-spravochnik. Izd.2., perer. i dop. Moskva, Gosgeotekhizdat. Pt.1.[Excavating machinery and hoisting equipment; cranes, loaders, winches, and elevators] Ekskavatory i pod"emno-transportnoe oborudovanie; krany, pogruzchiki, lebedki, elevatory. 1963. 342 p. (MIRA 17:3)

1. Russia (1917- R.S.F.S.R.) Glavnoye upravleniye po snabzheniyu i sbytu produktsii tyazhelogo, transportnogo i stroitel'no-dorozhnogo mashinostroyeniya. Tekhnicheskaya kontora "Stroityazhmashzapchast'." Konstruktorskoye byuro.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

YEVTEYEV, Viktor Ivanovich; ZMETNYY, Aleksey Yakovlevich; NOVIKOV, Igor' Vladimirovich; AVDUYEVSKAYA, G.V., red.; ASHINA, N.I., tekhn. red.

[Plotting of a perspective drawing; manual for teachers] Postroenie perspektivnogo risunka; posobie dlia uchitelei. Leningrad, Uchpedgiz, 1963. 198 p. (MIRA 17:1)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

MAKARA,A.M.; GOTAL'SKIY,Yu.N.; NOVIKOV,I.V.

Hot cracking of welds in automatic seam welding with flux and their relation to initial crystallization. Avtom.svar.8 no.4:3-11 Jl-Ag'55 (MLRA 8:11)

1. Ordena Trudovogo Krasnogo Znameni Institut elektrosvarki imeni Ye.O.Patona Akademii nauk USSR
(Electric welding)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

AID P - 5250

Subject : USSR/Engineering

Card 1/2 Pub. 11 - 1/15

Authors : Makara, A. M., V. F. Jrabin and I. V. Novikov (Electro-welding Institute im. Ye. O. Paton)

Title : Adjacent-to-seam cracks and mechanical properties of welded joints in resistance slag welding of medium-alloy steels.

Periodical : Avtom. svar., 4, 1-22, Ap 1956

Abstract : The authors analyze the cracks which occur in the area near seams of medium-alloy chrome-nickel-molybdenum steels, and the fissures which may appear near the line of fusion. Causes and methods of prevention are outlined and studied. Mechanical characteristics of the adjacent-to-seam areas and the metal of the seam itself are ascertained. The triple-layer method of resistance slag welding was introduced. This method restores the toughness of metal in adjacent-to-seam areas without the

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

AID P - 5250

Avtom. svar., 4, 1-22, Ap 1956

Card 2/2 Pub. 11 - 1/15

need for heat-treatment of the specimen after welding. The method of double-layer hard-facing, used in conjunction with the triple-layer method, restores the original features of the adjacent-to-seam area without tempering after welding. Nine macro- and microstructure-photos, 6 tables and drawing; Five Russian references (1955-56).

Institution : As above

Submitted : No date

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

PATON, B.Ye., akademik, doktor tekhn.nauk, laureat Leninskoy premii; VOLOSHKEVICH, G.Z., kand.tekhn.nauk, laureat Leninskoy premii; OSTROVSKAYA, S.A., kand.tekhn.nauk; DUDKO, D.A., kand.tekhn.nauk; POKHODNYA, I.K., kand.tekhn.nauk; STERENBOGEN, Yu.A., kand.tekhn. nauk; RUBLEVSKIY, I.M., inzh.; ZHEMCHUZHNIKOV, G.V., kand.tekhn. nauk; ROZENBERG, O.O., inzh.; SEVBO, P.I., kand.tekhn.nauk; NOVIKOV, I.V., inzh.; MEDOVAR, B.I., kand.tekhn.nauk; DIDKOVSKIY, V.P., inzh.; RABKIN, D.M., kand.tekhn.nauk; TYAGUN-BELOUS, G.S., inzh.; ZARUBA, I.I., kand.tekhn.nauk, retsenzent; GREBEL'NIK, P.G., kand.tekhn.nauk, red.; TYNYANYY, G.D., red.

[Electric slag welding] Elektroshlakovaia svarka. Izd.2., ispr. i dop. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1959. 409 p. (MIRA 13:4)

1. AN USSR (for Paton).
(Electric welding)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVIKOV, I.V., inzh.; BEL'FOR, M.G., inzh.

Electric slag welding at the Brussels Fair in 1958. Svar. proizv. no.2:45 F '59. (MIRA 12:1)
(Brussel Fair) (Electric welding--Exhibitions)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

25(1,5)
AUTHORS: Makara, A.M., Candidate of Technical Sciences, Navi-
kov, I.V., Nazarov, G.V., Ryabinkin, V.I., [illegible]

SOV/125-12-4-7/18

TITLE: Working out the Technology of "Electric Slag Welding" of Shells, Made of Medium Alloyed Steel Type AK

PERIODICAL: Avtomaticheskaya svarka, 1959, Vol 12, Nr 4, pp 55-65 (USSR)

ABSTRACT. The article presents the results of investigations, made in the Institute for Electric Welding and the "Krasnoye Sormovo" Plant. To weld the steel AK complex alloyed wires type EI 581 and EI 616 are used. The content of dangerous elements as carbon, sulphur, phosphorus in the weld is small, because there are very small amounts of them in the basic metal and in the metal of the electrode-wire. To weld AK-steel with a thickness of 50 mm following conditions were chosen: electrode feed rate: 180-200 m/h; arc-voltage: 54-55 V; welding-current: 400-440 A; depth of the slag-bath: 45-50 mm; dry-boom: 60-60 mm; diameter of

Card 1/2

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

Working out the Technology of "Electric Slag Welding" of Shells, SOV/125-12-4-7/18
Made of Medium Alloyed Steel Type AK

electrode-wire: 3mm; welding-clearance 25-28 mm; speed of welding: 0.7-0.8 m/h. Alternation current. The chemical consistence of the electrode wire is shown in schedule 1. Investigation of the macro- and micro-structure of the weld showed a coarse crystalline structure, which disappeared after heat-treatment. For electric-slag-welding the apparatus type A-372- (Figure 10) is used. There are 7 photographs, 2 graphs, 4 diagrams and 6 Soviet references.

ASSOCIATION: Ordena trudovogo krasnogo znameni institut elektrosvarki im. .O. Patona AN USSR (Institute of the Order of the Red Banner of Labor for Electric Welding [illegible]eni .O. Paton AN UkrSSR) Gor'kovskiy zavod "Krasnoye Sormovo" (Gorkiy Plant "Krasnoye Sormovo")

SUBMITTED: February 17, 1958

Card 2/2

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVIKOV, I.V.

PHASE I BOOK EXPLOITATION SOV/5078

Akademiya nauk URSR, Kiyev. Instytut elektrozvaryuvannya

Vnedreniye novykh sposobov svarki v promyshlennost'; sbornik statey. vyp. 3. (Introduction of New Welding Methods in Industry; Collection of Articles. v. 3) Kiyev, Gos. izd-vo tekhn. lit-ry UkrSSR, 1960. 207 p. 5,000 copies printed.

Sponsoring Agency: Ordena Trudovogo Krasnogo Znameni Institut elektrosvarki imeni akademika Ye. O. Patona Akademii nauk Ukrainskoy SSR.

Ed.: M. Pisarenko; Tech. Ed.: S. Matusevich.

PURPOSE: This collection of articles is intended for personnel in the welding industry.

COVERAGE: The articles deal with the combined experiences of the Institut elektrosvarki imeni Ye. O. Patona (Electric Welding Institute imeni Ye. O. Paton) and several industrial enterprises in solving scientific and engineering problems in welding

technology. Problems in the application of new methods of mechanized welding and electroslag welding in industry are discussed. This is the third collection of articles published under the same title. The Foreword was written by B. Ye. Paton, Academician of the Academy of Sciences Ukrainian SSR and Lenin prize winner. There are no references.

TABLE OF CONTENTS:

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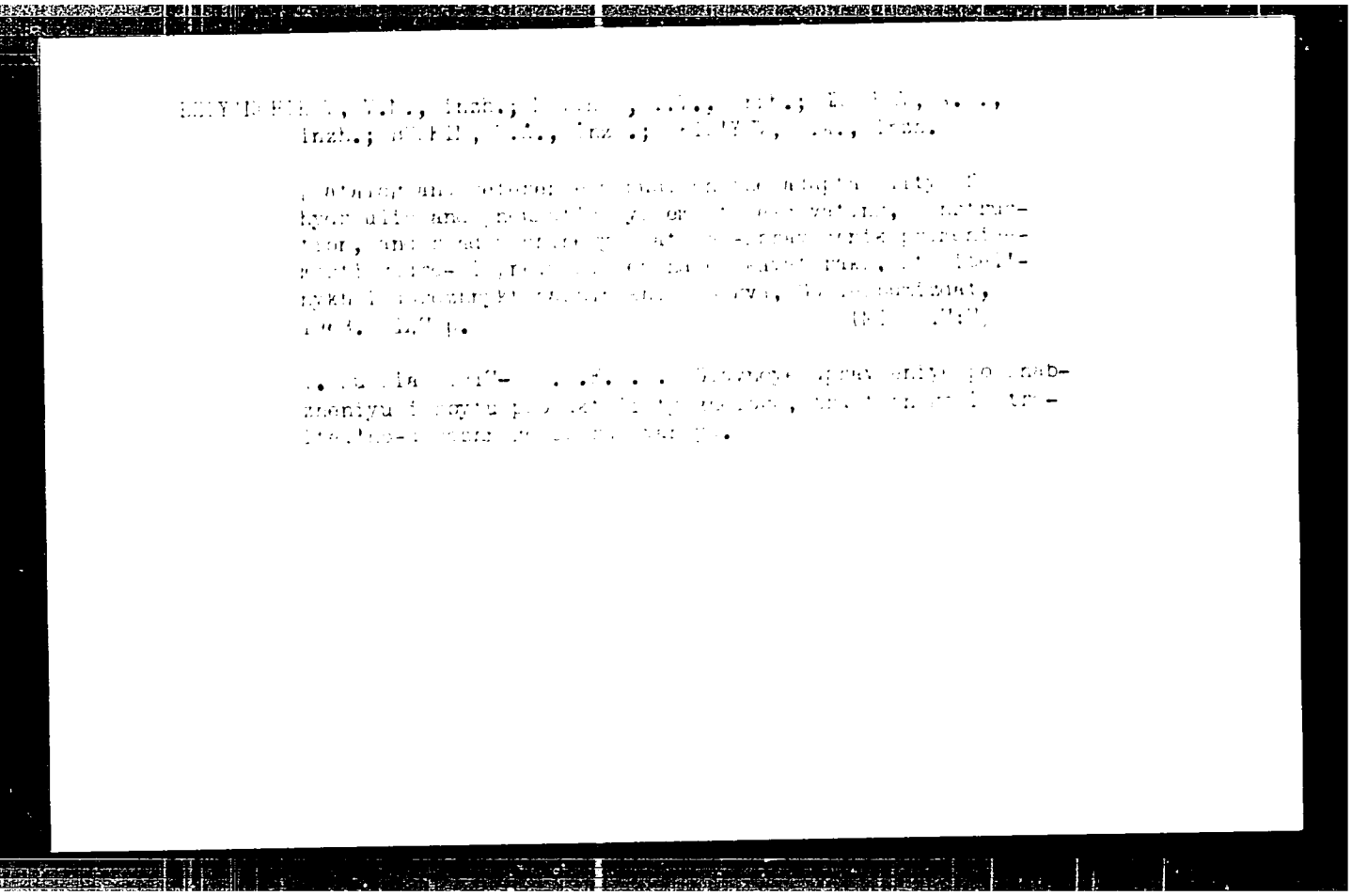
APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8



APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVIKOV, Ivan Vasil'yevich; AFIL'YEV, Stepan Ivanovich;
MIKHAYLOV, A.M., red.

[Reconditioning parts of road machinery] Vosstanovlenie detalei dorozhnykh mashin. Moskva, Transport, [illegible].
/MIRA 19:4/

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVIKOV, I. Ye. Cand Med Sci -- "Treatment of bacterial-dysentery patients with volatile garlick phytocides by means of the Novikov-Antonov apparatus." Saratov, 1959 (Min of Health RSFSR. Saratov State Med Inst). (KL, 1-61, 209)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

S/024/61/000/003/009/012
E140/E463

13.2927 (1141)

AUTHORS: Polovko, A.M. and Novikov, I.Ye. (Leningrad)

TITLE: On fractional redundance

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Energetika i avtomatika, 1961, No.3, pp.113-117

TEXT: Fractional redundance is defined as a system composed of identical elementary systems which will operate correctly when not less than n elementary systems of ℓ function correctly. The redundance is equal to $n = (\ell - n)/n$. The calculations are made on the following assumptions. The duration of correct operation is subject to the Poisson distribution; switching devices are ideally reliable; each elementary system is equally reliable. It is found that for a given ℓ, the system is the more reliable, the smaller is n; the system is the more reliable, the higher the reliability of the elementary system; the system is the more reliable, the shorter the operating time. There are 5 figures, 1 table and 1 Soviet reference.

SUBMITTED: February 6, 1961

Card 1/1

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

OSADCHIY, F., inzh.; GOLOSOV, V.; NOVIKOV, K.; MITIN, V.; RYBCHENKO, G.; KUZNETSOV, V.; TERENT'YEV, M., inzh.; MATKUZHIN, Zh.

Exchange of experience. Avt. transp. 42 no.11:47-51 N '64. (MIRA 17:12)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

AUTHOR: Novikov, V.A., Technician SOV-91-58-10-5/25

TITLE: The Preservation of Boilers (Konservatsiya kotlov)

PERIODICAL: Energetik, 1958, Nr 10, p 10 (USSR)

ABSTRACT: In the boiler works of the thermo-electric power station (TETS), a system has been introduced for the preservation of boilers by joining them via a line of parkerizing to the deaerators at 6 atmospheres. Besides this, a supply tank with a water gage is installed 2.5 meters higher than the axis of the boiler cylinder: the tank acts as a reserve in case the deaerator is taken away for repair. The preparation of the boiler for preservation is described as follows: the boiler is heated up and at 10 atmospheres, steam is forced through the blower of the steam superheater. As a result of this, the O_2 is removed from the boiler water. After the O_2 reaches 0.03 milligrams per liter, the boiler is filled with feed water up to the aerators. After the boiler has

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

The Preservation of Boilers

been extinguished and fed with water, and the pressure falls to 6 atmospheres, the boiler is switched in to the deaerator according to the block-diagram. There is one block-diagram.

1. Boilers--Maintenance

Card 2/2

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

AUTHORS: Novikov, K.A., Technician, Troshin, V.T. SOV-91-58-10-9/35

TITLE: The Parkerizing of Boilers (Fosfatirovaniye kotlov)

PERIODICAL: Energetik, 1958, Nr 10, p 13 (USSR)

ABSTRACT: In the boiler works of the Krasnodar Thermo-Electric Power Station (TETs) the system of parkerizing boilers has been simplified. The installation system has been so arranged that any phosphate pump can "work" on any boiler, using for this purpose a common line connecting the pumps. There is one diagram.

1. Boilers--Operation

Card 1/1

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVIKOV, K. ..., Cand Tech Sci -- "Certain problems of increasing the efficiency of equipment." Kazan', 1961. (Min of Higher and Sec Spec Ed RSFSR. Kazan' Aviat Inst) (KL, 3-61, 246)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVIKOV, K.; RESHETNYAK, D.

Steam producers with electric heating. Avt.transp. 41 no.2:53-54 F '63. (MIRA 16:2)
(Boilers)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVIKOV, K.D., master; SVERDLOV, A.G., inzhener.

Packing the joints of air preheater sections. Energetik 1 no.6:15-16 N '53.
(MLRA 6:11)
(Steam boilers)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

AID P - 3228

Subject : USSR/Electricity

Card 1/1 Pub. 29 - 13/30

Author : Novikov, K. D., Foreman

Title : Suspension hoist

Periodical : Energetik, 8, 14, Ag 1955

Abstract : The author developed his own construction of a hand-operated suspension hoist which he describes. Three drawings.

Institution : None

Submitted : No date

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVIKOV, K.D., master.

Making over regulating rotating valves. Elek.sta. 28 no.8:67-68 Ag '57. (MIRA 10:10)

(Boilers)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

SOV/91-58-2-8/31

AUTHOR: Novikov, K.D., Master

TITLE: Reconstruction of the 15S27NZh Valves (Rekonstruktsiya ventiley tipa 15s27nzh

PERIODICAL: Energetik, 1958, Nr 2, p 13-15 (USSR)

ABSTRACT: The author describes and illustrates his reconstruction of the 15s27nzh valves. The great advantage of the reconstructed type is said to be standardized, uniform dimensions of all the secondary equipment needed in valves of 13 or 20 mm diameter. This facilitates repair of the valves. There are 4 diagrams.

Card 1/1

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVIKOV K D

AUTHOR: Novikov, K.D., Foreman 91-58-5-12/35

TITLE: Improvement of the Pipe-Bending Machine (Usovershenstvovaniye trubogibochnogo stanka)

PERIODICAL: Energetik, 1958, Nr 5, pp 14-15 (USSR)

ABSTRACT: The pipe-bending lathe of the combine "Soyuzenergoremont" for the bending of 38 - 83 mm-pipes has several drawbacks During bending of 83/76-mm pipes cracks form in the big worm gear (Figure 1) A large space is needed in the working section of the lathe for the bending of 6 - 6.5-m pipes Several new improvements were made to avoid these drawbacks. New segments with reinforced rigidity ribs 10 mm thick and 20 mm broad were cast for the bending of 83/76 mm-pipes The segment notches in the big worm gear were reinforced by sheet steel 12 mm thick, which is welded to the notches by electric arc welding (4 mm-electrode type TsM-7) An electromagnetic brake was fitted on the clutch of the lathe electric motor When the electric motor is switched off the lathe is stopped It is possible to bend coil pipes of 6 - 6.5 m length, which formerly had to be cut.
There are 2 figures.

AVAILABLE: Library of Congress

Card 1/1 1. Pipes - Test methods 2. Pipes - Test results

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NOVIKOV, K.D., master

Removal of sludge from acetylene. Energetik 10 no.6:15 Je '62.
(MIRA 16:3)

(Hydroelectric power stations--Welding)
(Gas welding and cutting)

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVIKOV, K.D., master (Kuybyshev)

Conical spout for coal bunkers. Energetik 13 no.11:10 N '65. (MIRA 18:11)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

LEYBERMAN, L.A.; NOVIKOV, K.I.

Automation of the process of continuous neutralization of acid molasses syrups. Sakh.prom. 36 no.9:60-62 S '62. (MIRA 16:11)

1. TSentral'nyy nauchno-issledovatel'skiy institut krakhmalo-patochnoy promyshlennosti.

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVIKOV, K.L.

Some data on factors influencing the reproduction of muskrats in the Amu-Darya Delta [with summary in English]. Zool.zhur. 36 no.12:1902-1903 D '57. (MIRA 11:1)

1.Muynakskiy ondatrovyy promkhoz Kara-Kalpakskoy ASSR.
(Amu Darya Delta--Muskrats)

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SOV/123-59-12-48733

Translation from: Referativnyy zhurnal. Mashinostroyeniye, 1959, Nr 12, p 364 (USSR)

AUTHOR: Novikov, K.G.

TITLE: On the Similarity of Heat Exchange and Gas Elimination Processes in Deaerators

PERIODICAL: Uch. zap. Leningr. vysch. inzh. morsk. uch-shche, 1958, Nr 10, pp 69-77

ABSTRACT: It is pointed out that one of the efficient methods of preventing corrosion of boilers, operating at high temperatures and high steam pressures, is water deaeration. Using the relations between the criteria of similarity, obtained from an analysis of the process of heat exchange, for the calculation of the processes of gas elimination, the similarity of the processes of heat exchange and gas elimination in deaerators is shown, and the ratio of the coefficient of heat emission to that of desorption is obtained. As a result of processing the available test data on degasification of a single flow in the steam space, a generalized criterial function

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NOVIKOV, K.G., inzh.

Results of testing water-operated water injectors. Sudostroenie 27 no.4:32-35 Ap '61. (MIRA 14:3)
(Injectors—Testing) (Feed water)

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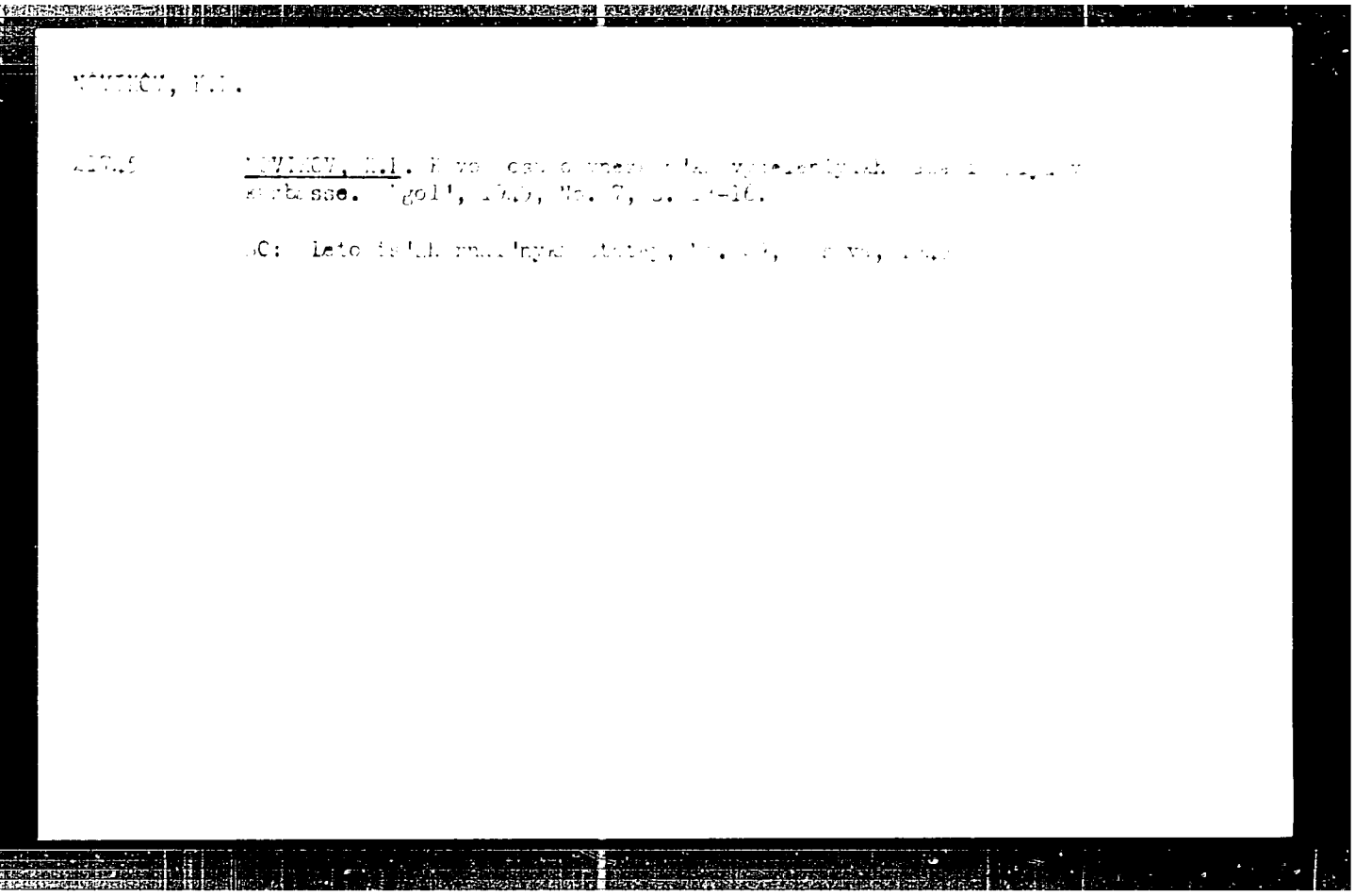

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVIKOV, K.P.; ETTINGER, I.L.

Conference on prevention of spontaneous coal and gas combustion in coal mines. Izv.AN SSSR. Otd.tekh.nauk no.7:1074-1076 Jl '53. (MLRA 6:8)
(Combustion, Spontaneous)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

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of Mineral Ore Deposits, Moscow, Izd-vo AN SSSR, 1[illegible]

age and block-carving, a worked out block filled with granulated ore and small wooden cubes (1 cc. in size) was used as a model. The passage of such wooden models provides an idea of the pattern of ore passage. There are 8 figures, 2 tables, and 2 Soviet references.

PART III. SUBSURFACE EXPLOITATION OF COAL DEPOSITS

Novikov, K.P., Candidate of Technical Sciences. Rational Values for Elements in Longwall Methods of Coal Extractions 177

The technical and economic problems in coal production depend on a number of factors such as thickness and dip of seam, timbering, etc. For example, the length of the working face depends on the thickness of the seam. The author gives an analytical estimate of all factors influencing coal mining. There are 9 figures. There are no references.

Baranovskiy, V.I., Candidate of Technical Sciences. Development

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

SOBKO, V.A., gornyy inzh.; PEPELEV, G.I., gornyy inzh.; DOROSHENKO, V.M., gornyy inzh.; CHERNORUTSKIY, Ye.T., gornyy inzh.; NOVIKOV, K.P., kand. tekhn. nauk

Improved var ation of the combined system of mining thick seams of self-igniting ores. Gor. zhur. no.2:13-17 F'62.
(MIRA 17:2)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVIKOV, K.T.

Scientific and Technical conference on tires. Kauch. i rez. 22 no.9:56-59 S '63. (MIRA 16:11)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVIKOV, L.

"Pchelka" in the air. Kryl. rod. 9 no.6:6-7 Je '58. (MIRA 11:6)
(Airplanes)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

1(S/085/60/000/02/009/040
D001/D003

AUTHOR: Novikov, L.

TITLE: The Road to the Record

PERIODICAL: Kryl'ya rodiny, 1960, Nr 2, pp 6-7 (USSR)

ABSTRACT: This is a short biography of Georgiy Konstantinovich Mosolov, test-pilot and world record holder. His training began in 1942 at the age of 15 in the Tsentral'nyy aeroklub imeni V.P. Chkalova (then located at Kazan') where he was instructed on A-2 and G-9 gliders by instructor Remnev. After training on aircraft, he joined the squadron of pilot Valentin Fedorovich Khapov. On leaving school Mosolov was accepted at a military flying college where he flew Ut-2 and La-7 aircraft. In 1951 at the age of 25 he entered a pilots' school and, in 1953, began his career as a test-

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NOVIKOV, L.

Airplane over Kamchatka. Kryl.rod. 11 no.5:16 My '60.
(MIRA 13:?)
(Kamchatka Province--Aeronautics)

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVIKOV, L.

Ivan Velikorodnyi, a farmer's son. Prof.-tekh. obr. 22 no.4:17 S '65.
(MIRA 18:9)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVIKOV, L., prof.

Designing bus stations and terminals. Avt.dor. 28 no.11:26-27 N '65. (MIRA 18:11)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVIKOV, Lev Aleksandrovich; FAL'SKIY, V.F., red.; NAZAROVA, A.S., tekhn. red.

[Gusher over the taiga] Fontan nad taigoi. Moskva, Izd-vo "Znanie," 1962. 63 p. (MIRA 16:5)
(Siberia--Petroleum workers)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVIKOV, L.A.

Comparative analysis of data on the stressed state of rocks in the vicinity of a vertical well filled with liquid. Trudy VNIIBT no.10:93-104 '63. (MIRA 17:4)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVIKOV, Leonid Dmitriyevich; SHUPLYAK, T., red.; SARMATOV, P., tekhn. red.

[Power engineering of Turkmenistan] Energetika Turkmenistana. Ashkhabad, Turkmenskoe gos. izd-vo, 1961. 91 p. (MIRA 15:11)
(Turkmenistan—Power engineering)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

BONDAREVA, Yu.A., nauchn. sotr.; BORODIN, A.F., nauchn. sotr.;
KUZYUTIN, A.M., nauchn. sotr.; MERINOVA, L.I., nauchn. sotr.;
NOVIKOV, L.I., nauchn. sotr.; KLEYNMAN, M.Ya., red.;
IZHBOLDINA, S.I., tekhn. red.

[A guidebook to the State Museum of Defense in Volgograd]
Volgogradskii gosudarstvennyi muzei oborony; putevoditel'.
Volgograd, Volgogradskoe knizhnoe izd-vo, 1963. 124 p.
(MIRA 17:3)

1. Volgograd. Gosudarstvennyy muzey oborony. 2. Gosudarstvennyy muzey oborony, Volgograd (for Bondareva, Borodin, Kuzyutin, Merinova, Novikov).

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVIKOV, L.K.

Count of pheasants (Phasianus colchicus zeravschanicus Tarn.) at the Zeravshan wildlife preserve. Uzb. biol. zhur. no.2:43-46 '61. (MIRA 14:5)

1. Institut lesnogo khozyaystva Uzbekskoy Akademii sel'skokhozyaystvennykh nauk.

(ZERAVSHAN VALLEY--PHEASANTS)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVIKOV, L.K.

Characteristics of the embryonic development of pheasant.
Vop. biol. i kraev. med. no.4:303-309 '63.
(MIRA 17:2)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

VERTMAN, A.A.; NOVIKOV, L.M.

Vacuum in metallurgy. Priroda 45 no.9:81-86 S '56. (MLRA 9:10)

1.Institut metallurgii imeni A.A.Baykova Akademii nauk SSSR (Moskva)
(Steel--Metallurgy) (Smelting furnaces) (Vacuum)

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVIKOV, Lev Mikhaylovich; GUROV, S., red.; YEGOROVA, I., tekhn.red.

[Technical propaganda in the factory; practices of the technical section of the Perovo Factory for repairing electric rolling stock] Tekhnicheskaia propaganda na zavode; iz opyta raboty tekhnicheskogo kabineta Perovskogo zavoda po remontu elektropodvizhnogo sostava. [Moskva] Mosk.rabochii, 1957. 46 p. (MIRA 11:1)
(Technical education) (Electric railroads--Rolling stock)

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

L 61660-65 EWT(1)/T/EEC(b)-2 Pg-4/Pk-4 IJP(c)
ACCESSION NR: AP5011141 UR/0051/65/018/004/0740/0742
539.183.4

AUTHOR: Novikov, L. N.

TITLE: Spin echo in optically oriented assemblages of atoms

SOURCE: Optika i spektroskopiya, v. 18, no. 4, 1965, 740-742

TOPIC TAGS: spin echo, optical orientation, cesium atom

ABSTRACT: Although it has been suggested earlier (C. Cohen-Tannoudji, thesis, Paris, 1962) that the spin-echo method could be used to study coherent phenomena during the period of optical orientation, no such experiments have been published to date. The author therefore reports on the observation of spin-echo signals in assemblages of optically oriented cesium atoms, and offers qualitative explanations of the characteristic features of the spin-echo method as applied to optically oriented systems. The theory of the method is briefly reviewed. The experimental apparatus employed two mutually perpendicular light beams in a

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manner analogous to a previously described device by Cohen-Tannoudji. The resonance cell contains saturated cesium vapor at room temperature and argon at 20 mm Hg, and was located in a terrestrial magnetic field of approximately 0.5 Oe. The magnetic field radium was produced by small cylindrical permenant magnetic and was equal to about 10^{-2} oe/cm. A phase shifter was used in conjunction with an rf pulse generator in such a way as to give two output pulses of variable duration, amplitude, and separation time. The spin-echo signal was detected photoelectrically by modulating the transverse light beam at the Zeeman frequency. The spin-echo signal obtained by this method has the advantage that the rf exciting pulse is eliminated from the final results. The law governing the decay of the height of the spin-echo signal as a function of the interval between pulses is derived and agrees with the experimental data. It is pointed out in conclusion that the important role of diffusion in the formation of the spin-echo in optically oriented systems opens up a strong

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ACCESSION NR: AP5011141

possibility for using this method for the direct study of diffusion processes in gases. Original article has: 2 figures

ASSOCIATION: None

SUBMITTED: 160ct64 ENCL: 00 SUB CODE: OP, NP

NR REF SOV: 00 OTHER: 006

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L 28350-66 EWT(m)
ACC NR: AP5027659 SOURCE CODE: UR/0051/65/019/005/0668/0673

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B

AUTHOR: Novikov, L. N.; Popescu, Ion. M.

ORG: none

TITLE: Optical orientation of Hg^{201} atoms by the 1850 Angstroms line

SOURCE: Optika i spektroskopiya, v. 19, no. 5, 1965, 668-673

TOPIC TAGS: mercury, isotope, light scattering, magnetic resonance, optic activity, resonance scattering

ABSTRACT: The experimental alignment in Hg^{201} vapors during resonance scattering of the photons of line 1850 A has been described previously. In this work an experiment was made using an apparatus somewhat modified from previous experiments (B. Cagnac, J. phys. radium, 19, 863, 1958; B. Cagnac, J. Brossel. Compt. rend, 249, 77, 1959; B. Cagnac, Ann. Phys., 6, 467, 1960). A disc lamp of Suprasil quartz was used as a source of light, with a small amount of Hg^{201} isotope in one of the branches of the resonance cell of Ultrasil quartz, a control system consisting of thermistor, resistor, and contact galvanometer, the Helmholz rings

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for generating the constant magnetic field H_0, a Leeds Northrup potentiometer, and a UVP-150-type photomultiplier for measuring the intensity of scattered light. To exclude the absorption of the line 1850 A by air oxygen, the entire optical part of the apparatus was set into a hermetically sealed aluminum jacket in which a constant flow of pure nitrogen was circulated and simultaneously used for cooling the spectral lamp. The magnetic resonance of the Hg^{201} nuclei was detected in the field $H_0 = 47$ oe at a frequency of $\nu = 13.2$ kilocycles. This agreed well with the measurements of B. Cagnac et al. (op. cit.) of the gyromagnetic ratio in the 6^1S_0 state of the Hg^{201} isotope. But the form of the line of magnetic resonance (see Figure, in which the value of the signal of magnetic resonance was plotted on y-axes in relative units) differed from that obtained by B. Cagnac in the fact that it consisted of the superposition of two lines of resonance having different widths. The narrow line corresponded to the resonance of the atoms of Hg^{201} in the 6^1S_0 state having the time of transverse relaxation $T_2 = 2.8 \times 10^{-2}$ sec. It is assumed that the wide line corresponds to the resonance of the Hg^{201} atoms in the metastable state 6^3P_0 having a time of relaxation equal to the time between two subsequent collisions of Hg atoms with the walls of a cell.

The authors thank A. Kastler and J. Brossel for giving them an opportunity to

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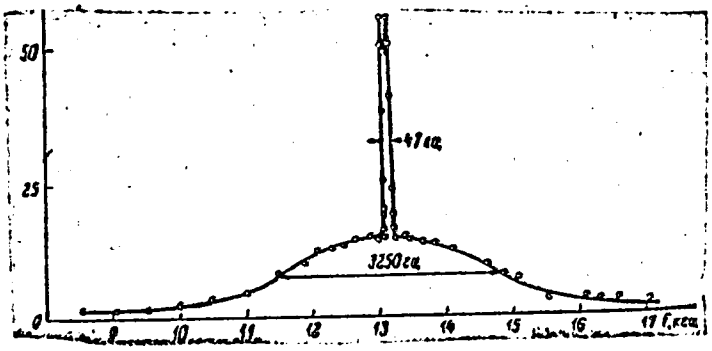
ACC NR: AP5027659

conduct this work in the Laboratory of Physics of L'Ecole Normale Superieure in Paris. Orig. art. has: 6 figures.



SUB CODE: 20/ SUBM DATE: 31Aug64/ ORIG REF: 002/ OTH REF: 009

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

ACC NR: AP7000534 SOURCE CODE: UR/0386/66/004/010/0393/0396

AUTHOR: Novikov, L. N.; Pokazan'yev, V. G.

ORG: Ural Polytechnic Institute im. S. M. Kirov (Ural'skiy politekhnicheskiy institut)

TITLE: Parametric resonance in an effective field

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniye, v. 4, no. 10, 1966, 393-396

TOPIC TAGS: parametric resonance, magnetic resonance, spin resonance, magnetization, dipole interaction

ABSTRACT: The authors report observation of parametric resonance in a spin system acted upon by an effective magnetic field $H_e = [(H_0 - \omega/\gamma)^2 + H_1^2]^{1/2}$ (H_0 = constant field, H_1 = rf field, ω = frequency, γ = gyromagnetic ratio). The measurements were aimed at checking on the theoretical conclusions that can be drawn from the Bloch equations regarding the transverse and longitudinal magnetization components. The experiment was performed on optically oriented Cs^{133} vapor at room temperature, using an experimental setup similar to that described earlier (B. Cagnac, Theses, l'Universite de Paris, 1960). The condition $\omega - \gamma H_0 = 0$ was satisfied. The field amplitude $H_1(t)$ was modulated by an audio-generator with continuously variable frequency. The resonance signal was obtained from the change in the depth of modulation of the intensity of light passing parallel to H_0 through the cell. Resonances were observed

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NOVIKOV, L.P., starshiy inzh. (Cheremkhovo); MASHKOVICH, A.Ya. (Cheremkhovo)

Advantages of a cooperative use of equipment. Zhel.dor.transp. 44 no.1:80-81 Ja '62. (MIRA 14:12)

1. Upravleniye Vostochno-Sibirskoy dorogi (for Novikov). 2. Nachal'nik pogruzochno-transportnogo upravleniya tresta "Cheremkhovugol'" (for Mashkovich).
(Railroads--Joint use of facilities)

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[illegible]

TITLE: The use of the luminescence spectrometer in [illegible] radioactive isotopes (Primeneniye lyuminestsentn[illegible] spektrometra dlya identifikatsii radioizotopov)

PERIODICAL: Zavodskaya Laboratoriya, [illegible], Vol. 24, Nr [illegible] (USSR)

ABSTRACT: Fast and precise identification is especially important in the separation of the radioactive isotopes of the rare earth elements. The usual methods based on the half-life of β^{-}- and [illegible]-radiation are inexact and time-consuming. The luminescence spectrometer was therefore [illegible] the [illegible]. The separation of the radioactive [illegible] was accomplished using an ion exchange [illegible] the radioactivity was determined by a previously described method [illegible] was the [illegible] identification of the isotopes was accomplished [illegible] the gamma spectrum of each chromatographic [illegible]. The experimental procedure is given [illegible]

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[illegible] Use of the Lumin[illegible] Spectrometer in [illegible]
[illegible]entifying Radioactive Isotopes

for [illegible] and [illegible]. Tables of the radioactive [illegible] earths [illegible] in these experiments are [illegible] compared [illegible] Geiger counter method [illegible] and [illegible] There are [illegible] figures, [illegible], and [illegible] references, [illegible] of which are Soviet.

[illegible]ATION: Institut[illegible] Vernadsk[illegible] Institute for Geochemi[illegible] Chemistry imeni V. I. Vernadskiy.

[illegible]

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

STRIGACHEV, A.T.; NOVIKOV, L.S.; SOROKIN, A.A.; KHALKIN, V.A.; TSVETKOVA, N.V.; SHIYNEL', V.S.

Investigating neutron-deficient Tb isotopes. Izv. AN SSSR. Ser. fiz. 25 no.7:813-825 Jl '61. (MIRA 14:7)

1. Nauchno-issledovatel'skiy institut yadernoy fiziki Moskovskogo gosudarstvennogo universiteta im. M.V. Lomonosova i Ob "yedinennyy institut yadernykh issledovaniy.
(Terbium--Isotopes)

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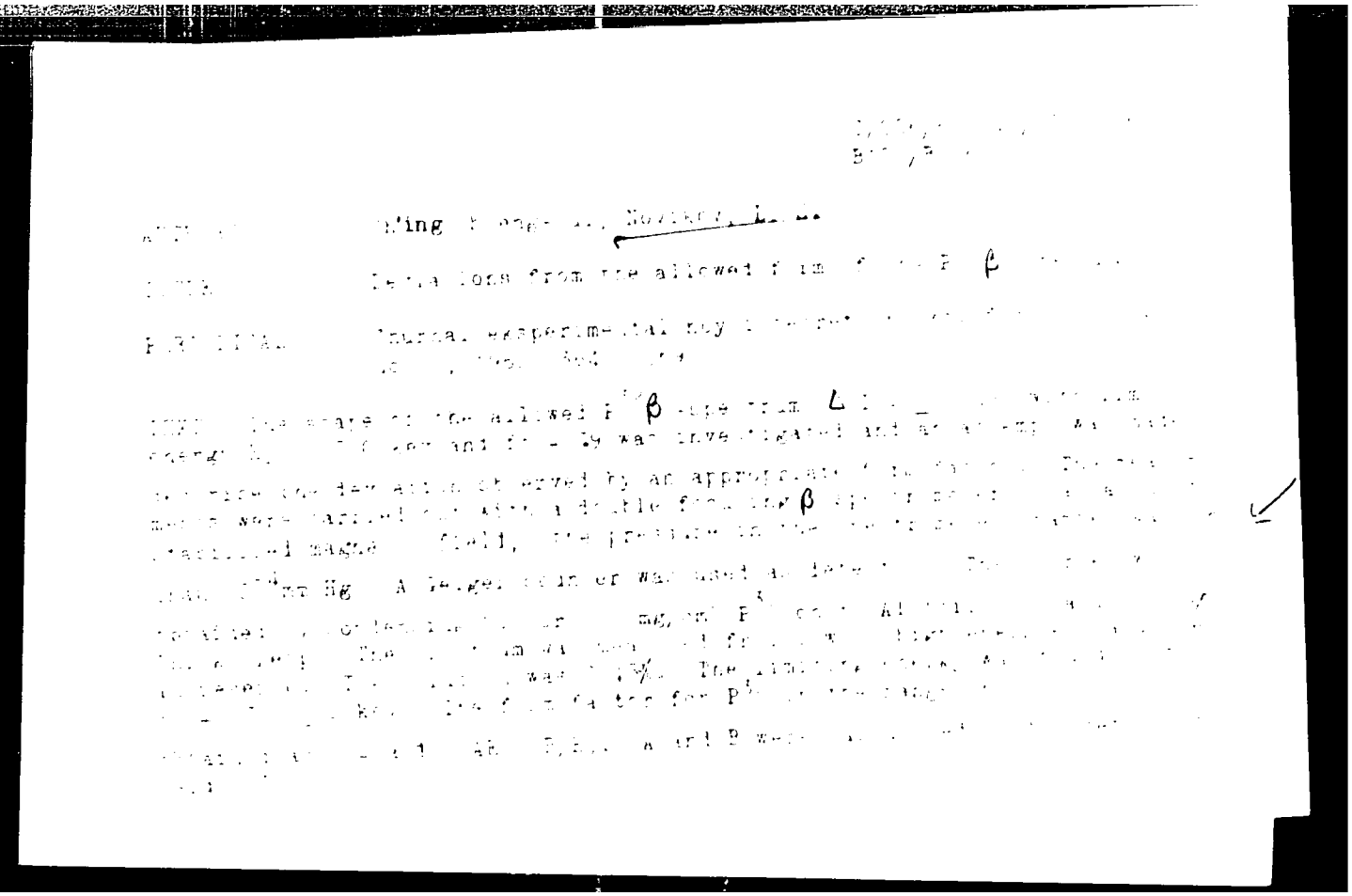

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

ZAKHARIKOV, N.A.; PIORO, L.S.; NOVIKOV, L.S.; FATEYEV, F.G.; MAZAYEVA, O.L.

Burning natural gas in glass furnaces. Trudy Inst. isp. gaza AN URSR no.5:24-43 '58. (MIRA 11:12)
(Glass furnaces) (Gas as fuel) (Gas, Natural)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

GUREVICH, M.D.,; NOVIKOV, L.S.

Universal ultrasonic therapeutic apparatus(UZU-1) Med. prom.
10 no.1:38-41 Ja-Mr '56, (MLRA 9:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut meditsinskogo instrumentariya i oborudovaniya.
(MEDICAL INSTRUMENTS AND APPARATUS)
(ULTRASONIC WAVES--THERAPEUTIC USE)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

1. NOVIKOV, I. S.

2. USSR (600)

4. Agglutination

7. Reaction of macro-agglutination with killed antigen in the diagnosis of leptospirosis. Veterinariya 30, no. 2, 1953.

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

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVIKOV, L. V.

NOVIKOV, L. V.--"Autooscillation of Rotating Shafts." Moscow Order of Lenin and Order of Labor Red Banner State U imeni M. V. Lomonosov. Moscow, 1955. (Dissertation for the Degree of Candidate in Physico-mathematical Science).

SO Knizhnaya letopis'
No 2, 1956.

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVIKOV, L. V.

30468

Dorozno-sinoptichyeskaya sluzba I yeye zadachi. Inform. byullyetyen' akad. (Voyen-transp. akad Vooruz. Sil im kagano vicha), No 21, 1949 S. 3-9.

SO: Letopis' No. 34

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVIKOV, L.V., professor.

Synoptic weather service for highway engineering. Avt.dor. 19 no.1:22-23 Ja '56. (MLRA 9:5)
(Road construction) (Weather forecasting)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVIKOV, L.V., prof.

Testing grounds for motor vehicles and roads. Avt.dor. 20 no.7:21-22 Jl '57. (MIRA 10:10)
(Automobiles--Testing)
(Roads--Testing)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVIKOV, L.V., prof.

Improve the system of training highway specialists. Avt.dor. 22 no.6:21 Je '59. (MIRA 12:9)
(Highway engineers)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVIKOV, L.V., prof.

Bus roads. Avt.dor. 23 no.7:25 Jl '60. (MIRA 13:7)
(Crimea--Trolley buses) (Roads--Design)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

TRUBITSYN, I.M., inzh.; NOVIKOV, L.V., inzh.

Using linear elements in making segmental girders. Transp. stroi. 11 no.1:24-26 Ja '61. (MIRA 14:1)
(Girders)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

ACC NR: AP6026954 SOURCE CODE: UR/0115/66/000/007/0091/0092

AUTHOR: Novikov, L. V.

ORG: none

TITLE: Thermocouple operating as temperature sensor

SOURCE: Izmeritel'naya tekhnika, no. 7, 1966, 91-92

TOPIC TAGS: thermocouple, temperature measurement, thermometer

ABSTRACT: The effect of temperature gradient along the thermocouple junction on its reading is investigated, as is the role played by the junction length, resistivity of thermocouple foil strips and thickness of these strips. Assuming that the foil thickness is constant, the cross temperature gradient is zero and the junction welds are uniformly distributed, the thermocouple is regarded as a ladder-type electric network. It is shown that high resistivity and thin strips contribute to the thermocouple accuracy. Orig. art. has: 1 figure and 5 formulas.

SUB CODE: 20/ 09 / SUBM DATE: none

Card 1/1 UDC: 537.324:536.532

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

ACC NR: AP7006165 (A) SOURCE CODE: UR/0115/67/000/001/0033/0035

AUTHOR: Novikov, L. V.; Smirnova, R. S.

ORG: none

TITLE: Germanium thin-film strain gages

SOURCE: Izmeritel'naya tekhnika, no. 1, 1967, 33-35

TOPIC TAGS: strain gage, germanium semiconductor, metal film, metal deposition

ABSTRACT: The technology of manufacture of thin-film strain gauges by evaporation and condensation in a vacuum is discussed in general terms, with special emphasis on strain gauges made of n-type germanium with a specific resistance of 0.02 ohm-cm. The germanium is usually evaporated in a vacuum of the order of 133, 322·10⁻⁷ n/m². The choice of the base significantly influences the characteristics of the strain gauges thus obtained. In many cases the orientation of crystals in the deposited germanium depends on the type of base used. Either aluminum foil with a deep surface oxidation or mica plates may be used as a base. The temperature of the base on which the germanium is deposited plays an important role in the formation of conducting layers. It was shown that a temperature of the base of the order of 320°C may be considered the threshold temperature at which complete formation of the conducting films takes place. Thin films whose bases were kept at temperatures of 450—550°C during formation, were found to possess the least resistance. In order to obtain high-sensitivity strain gauges, however, the bases must be heated to temperatures of 700—800°C. The

Card 1/2 UDC: 681.2:531.781

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ACC NR: AP7006165

manufacture of so-called non-adhesive strain gauges is also discussed briefly. The relationship between resistance and the coefficient of strain sensitivity on one hand and temperature on the other hand was found to be one of the most important characteristics of germanium strain gauges. Orig. art. has: 2 figures. [JR]

SUB CODE: 14, 20/ SUBM DATE: 29Jan66/ OTH REF: 001/

Card 2/2

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33558
S/179/61/000/006/008/011
E191/E314

26.2123

AUTHOR: Novikov, L.Z. (Moscow)

TITLE: Determination of the natural vibration frequencies of an electric motor which are associated with the non-linear elasticity of the bearings

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye tekhnicheskikh nauk. Mekhanika i mashinostroyeniye, no. 6, 1961, 84 - 90

TEXT: The author reports a theoretical determination of the natural frequencies of a system consisting of a rigid rotor supported on elastic pre-loaded angular contact ball bearings in a rigid housing mounted on a foundation without resistance to small-amplitude, high-frequency vibrations of the system, e.g. a rubber mounting. The weight of the complete motor can with these assumptions, at each instant, be considered quasi-statically balanced by the reaction of the flexible foundation. Thus, the system is equivalent to a completely free system subject only to the action of the internal elastic forces in the bearings and the weight of the rotor. The forces and deformations in an

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E191/E314

Determination of ....

angular contact ball bearing are discussed on the basis of the Hertzian contact pressure theory. Relations are derived between the components of force and deformation, which are shown to be nonlinear. Moreover, any displacement of the inner race in any direction produces force reactions along all three axes. The expressions are linearized on the assumption that the initial axial displacement due to an axial pre-load greatly exceeds all displacements arising in the vibration process. After linearization, the displacements and forces along each of the principal axes become uncoupled. The equations of motion for the linear and angular components of vibration are formulated. Owing to the nonlinear nature of the bearing stiffness, the weight of the rotor produces coupling between all the vibration modes. An exciting force along any one of the vibration channels having a frequency approaching the natural frequency of another channel leads to a resonance in the system. The characteristic equation is derived in a form amenable to qualitative discussion by introducing the frequencies of radial and axial vibrations in the absence of coupling, the nutational rotor vibrations for a

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E191/E314

Determination of . . .

rotor in an ideal gimbal mounting the angular vibrations of the housing when the rotor is rigidly mounted in space and the angular vibrations of the housing and rotor together in the absence of rotor rotation about its axis. The characteristic equation so derived makes it possible to examine the dependence of all the natural frequencies upon the nutation frequency, i.e. upon the rotational speed of the rotor and its moment of inertia. These relations are discussed for the two cases when the rotor weight is, or is not, taken into account. The third case considered is that where the gravity force is at an angle to the rotor axis. It is stated that although the analysis given applies only to the case of rigid components apart from the bearings, it reveals the true trends because in practice, bearings have a much greater flexibility than any other element in an electric motor. There are 6 figures and 1 English-language reference namely Ref. 1: H. Poritsky, C.W. Hewlett and R.E. Coleman J. Appl. Mech., 1947, 14, no.4.

SUBMITTED July 17, 1961

Card 3/3

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVIKOV, L.Z. (Moskva)

Statics of a radial thrust ball bearing. Izv.AN SSSR.Mekh. i mashinostr. no.5:17-28 S-O '63. (MIRA 16:12)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

ACCESSION NR: AP4015973 S/0040/63/027/005/0878/0884

AUTHOR: Novikov, L. Z. (Moscow)

TITLE: Effect of earth's non-sphericity on the working of a gyro-horizon-compass

SOURCE: Prikl. matem. i mekhan., v. 27, no. 5, 1963, 878-884

TOPIC TAGS: gyrocompass, compression, gravity, attraction, meridian plane, error estimate sphericity, kinetic moment

ABSTRACT: D. R. Merkin (Vliyaniye szhatiya Zemli na rabotu girogorizontkompasa. PMM, 1963, t. 27, vyp. 2) gave conditions for unperturbability to a gyro-horizon-compass with consideration of the compression of earth. He assumed the force of gravity to be directed precisely to the center of the earth. An unperturbable gyro-horizon-compass is a gyroframe which continuously indicates (for suitable initial conditions) the true vertical of position and the plane of the meridian (to within a course correction), i.e., all consideration is relative to the force of attraction and not the force of gravity. Therefore the indicated assumption does not affect the basic result of this study. The author shows that the Gekkeler gyro-horizon-compass (see A. Yu. Ishlinskiy (K teorii girogorizontkompasa. PMM,

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ACCESSION NR: AP4015973

1956, t. 20, vyp. 4)) is related in a definite manner to the direction of the force of gravity under any hypothesis about the earth's form. In studying the effect of the earth's compression on a gyro-horizon-compass it is more natural to use the method of computing the forces acting on a material system moving near the earth. Here one considers the deviation of the force of gravity from the direction of the earth's center. The author obtains conditions for unperturbability, taken as preservation by the gyro-horizon-compass of the direction of the force of gravity and the meridian plane (to within a course correction). He obtains estimates of the errors introduced by the Gekkeler gyro-horizon-compass by the earth's deviation from spherical shape. "The author thanks A. Yu. Ishlinskiy, Yu. K. Zhbanov, Ya. N. Roytenberg, M. Ye. Temchenko, and M. A. Shif for their discussions of the work."
Orig. art. has: 27 formulas.

ASSOCIATION: none

SUBMITTED: 05Jun63 DATE ACQ: 21Nov63 ENCL: 00

SUB CODE: MM NO REF SOV: 008 OTHER: 000

Card 2/2

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVI , L. A. (Moskva)

Elastic characteristics of a radial ball and thrust bearing. Izv. AN SSSR. Mekh. i mashinostr. no.3:155-157 My-Je '64. (MIRA 17:7)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

30V/81-59-5-16820

Translation from: Referativnyy zhurnal, Khimiya, 1959, Nr 5, p 454 (USSR)

AUTHOR: Novikov, L.Z.

TITLE: The Industrial Gasification of Lignites From Central Asia in a Gas Generator With a "Fluidized Bed" for the Purpose of Producing Synthetic Ammonia

PERIODICAL: V sb. Khim. pererabotka topliva Moscow, AS USSR, 1957, pp 309 - 319

ABSTRACT: The results are given on the work performed by the continuous vapor-oxygen gasification (G) installation for Sulyukta lignites in a gas generator of the GIAP-17 type. The operation of this installation over a number of years has confirmed the complete possibility of producing synthetic NH_3 from lignite gas and enables one to recommend the G method of lignites for wide application in the production of synthetic products

G Bonveich

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NOVIKOV, L. Z.

8

Noncaking ammonium nitrate. A. P. Milovanov, M. Dobley, L. Z. Novikov, A. Il'yasov, A. A. Vishnyakova, A. G. I[illegible], and V. G. Gavrilov. U.S.S.R. 105,991, June 26, 1957. Caking in storage is prevented by adding a suitable substance, such as an ext. obtained in the decompn. of phosphorite with HNO_3. This is added to the soln. of NH_4NO_3 to obtain 0.6-2.6% P_2O_5. The soln. is then neutralized with NH_3, vaporized, crystd., and dried as usual. M. Hosch

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DERBAREMDIKER, M.I.; SEREBRENNIKOVA, K.L.; TERNOVSKIY, V.A.; Prinimali uchastiye: SHAPOV, P.M., NOVIKOV, L.Z.; LUK'YE, B.I.; FIS'MEN, M.K.; KARABIN, A.I. [deceased]; KOSTIN, E.I.; PROLOV, V.F.; MELVEDEV, F.V., GELIMKHANOV, S.G.; BONDAR', V.G.; TIMOFEYEV, P.I.; MININA, L.V.; ARBEKOV, P.F.; NIKOLAYEV, N.I.; YAROSLAV, T.Ye.; NUDEL'MAN, V.G.

Gasification of mazut under pressure in a steam-oxygen blast. Gaz. prom. 9 no.11:49-50 '64. (MIRA 17:12)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

L 44203-66
ACC NR: AN6012196 (A,N) SOURCE CODE: UR/9008/65/000/295/0002/0002

AUTHOR: Novikov, M. (Major general, Chief of headquarters in the rear, Armed Forces USSR)

ORG: none

TITLE: Combat preparedness in rear units

SOURCE: Krasnaya zvezda, 16 Dec 65, p. 2, col. 1-4

TOPIC TAGS: military personnel, ~~military~~ naval few training, nuclear warfare, ~~military~~ training ~~medicine~~, military tactic

ABSTRACT: The author stresses the importance of the numerous activities and duties of rear units in the Soviet armed forces and the need for close and continual contact between the staffs and combat units and the rear units. Combat preparedness, and therefore training of rear units, especially of the officer personnel, must equal that of front units. The supply of fuel and food must be efficiently organized and available on the march without interruption. During recent training exercises, the medical personnel of a unit took only 40 minutes to evacuate the "wounded" in a

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ACC NR: AN6012196

nuclear combat zone. However, further improvements are needed. Commanders often neglect their rear units. Orders are sometimes belated or imprecise and as a result rear units have been left behind while combat units advanced without giving instructions to the rear. Great mobility is required of rear troops to keep up with swift and sudden moves of combat troops, and great flexibility is needed when crossing difficult terrain, and during night operations, air lifts and water crossings. Nuclear warfare conditions have greatly increased the complexity of the medical, chemical, and material supply services of the rear. Repair and evacuation subunits now have extremely complex duties during combat. The rear troops of the rocket-technical units, the technical rear troops servicing aircraft, the rear units of the antiaircraft defense troops, the rear units serving the various branches of the navy, are all engaged in socialistic competition to achieve greater efficiency with less outlay. The number of class specialists, and of men having acquired a related profession is increasing each year. [GC]

SUB CODE: 05, 15/ SUBM DATE: none/

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

JOVIKOV, M., vrach-psikhiatr

Psychologists have started investigating the problem how to form a spaceship crew. Nauka i zhizn' 30 no.9:39-41 S '63.
(MIRA 16:10)

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137430004-8

NOVIKOV, M.A., vrach

Who can become an astronaut. Zdorov'e [illegible] Ap '63
(MIRA 16:7)

(ASTRONAUTICS--PSYCHOLOGY)

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