

YANOVSKIY, B.M.; AMATUNI, N.L.; GORBATSEVICH, S.V.

Reproducing the electric resistance unit by means of calculated
mutual inductance and frequency. Trudy VNIIM no.31:32-35 '57.
(Electric resistance--Standards) (MIRA 11:11)

AVERBUKH, Anatoliy Yakovlevich; AMATUNI, N.L., red.; SOBOLEVA,
Ye.M., tekhn. red.

Vasilii Fomich Petrushevskii. Moskva, Gosenergoizdat,
1963. 92 p. (MIRA 17:2)

AMATUNI, Napoleon Leonovich, dots.; BARDINSKIY, Sergey Ivanovich, dots.; DREVS, Georgiy Vyacheslavovich, dots.; IL'IN, Boris Vladimirovich, dots.; KNORRING, Gleb Mikhaylovich, kand. tekhn.nauk; PASECHNIK, Stepan Yakovlevich, prof.; PREOBRAZHENSKIY, Aleksey Alekseyevich, dots.; ROZENBERGER, Boris Fedorovich, dots.; SOLOV'YEV, Vladimir Ivanovich, dots.; YASTREBOV, Petr Parfen'yevich, prof.; BELOVIDOV, B.S., doktor tekhn.nauk, prof., retsenzent; ARTEMOVA, T.I., red. izd-va; TUPITSYNA, L.A., red.izd-va; SHVETSOV, S.V., tekhn. red.

[Electrical engineering and electric equipment] Elektrotekh-
nika i elektrooborudovanie; obshchii kurs. [By] N.L.Amatuni
i dr. Moskva, Rosvuzizdat, 1963. 646 p. (MIRA 16:9)

1. Novocherkasskiy politekhnicheskii institut (for Belovidov).
(Electric engineering--Handbooks, manuals, etc.)
(Electric apparatus and appliances--Handbooks, manuals, etc.)

AMATUNI, N.I.; GORBATSEVICH, S.V.; MYULLER, V.V.; PETUNOVA, A.I.

Absolute determination of the e.m.f. value of standardized normal
elements on electric scales using the absolute method. Nov. Nauch.-
issl. rab. po metr. VNIIM no. 4:1-3 '64. (MIRA 18:3)

AMATUNI, P.

AID P - 383

Subject : USSR/Aeronautics

Card 1/4 Pub. 58 - 1/4

Periodical : Kryl. rod., 8, 1-24, Ag 1954

Abstract : Three articles from this issue have been processed on separate cards (indicated below). The remainder are not considered of any special value and are listed only on the following Table of Contents:

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1. For New Aviation Records, (Written on the occasion of the distribution of rewards, a complaint about the inactivity of one center)	1
2. Sazonov, I., Aviator Participants in All-Union Agricultural Exhibition (Names of two prominent aviators are mentioned). Photos	2
3. Smirnov, Ye., Alertness -- Our Weapon (A call for alertness in view of the possible imperialistic aggression. Several names cited as examples of outstanding alertness)	3-4

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Kryl. rod., 8, 1-24, Ag 1954

Card 2/4 Pub. 58 - 1/4

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4. Zamyckin, S., The Struggle for Altitude (A pilot's account of how he broke an altitude record on a slightly modified standard YaK-18 aircraft), Photo 5
5. Petryanov, L., International Glider Competition (Processed on separate card). Photos 6-7
6. Makarov, V., Some Problems of the Theory of Glider Take-Off by Means of a Mechanical Hoist (Processed on separate card). Photos, diagrams, etc. 8-10
7. A Sportsman of Merit (Recent achievements of Yefimenko, V. I., glider pilot). Photo 10
8. How to Judge the Exercise: "Flight on Glider to a Designated Point and Return to the Take Off Place" 11
9. Malayev, V., Competition of Glider Pilots from 2 Districts. Photo 11
10. Tsuker, Yu., Engineer, Parachute Trainer (Processed on separate card). Diagrams 12

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Kryl. rod., 8, 1-24, Ag 1954

Card 3/4 Pub. 58 - 1/4

PAGES

11. Ivannikov, D., Community Instructor (Example of good instruction work in USSR schools). Photo 13
12. Tatsiturnov, V., Needle-less Carburator (Description and technical data). Photo, diagrams 14
13. Martynov, B., Engineer, High Velocity Free Flying Models (Elements of construction, automatic control, conditions of flight). Diagrams 15-18
14. Bazhin, N., Aeroclub Helps Primary Organizations (Examples of the assistance given by a local aeroclub) 18
18
15. Akhmedov, S., Lessons for DOSAAF members
16. Aviation Sport in the People's Democracies. Glider and Modeler Records (Some recent achievements in Czechoslovakia, Roumania and Hungary) 19
17. Amatuni, P., 4,000,000 km. (Bibliographical notes on Shashin, I. T., Pilot First Class) Photo 20-22

AID P - 3805

410 137
Subject : USSR/Aeronautics
Card 1/1 Pub. 58 - 18/25
Author : Amatuni, P.
Title : ~~USSR/Aeronautics~~
The first independent flight
Periodical : Kryl. rod., 12, 20-22, D 1955
Abstract : A work of fiction on the subject of flight training.
Institution : None
Submitted : No date

AMATUNI, P., pilot.

Flight safety inspector. Grazhd. av. 13 no. 4:9-10 Av '56. (MIRA 9:7)
(Safonovskii, Iakov Alekseevich) (Aeronautics--Safety measures)

MAKHAN'KOV, P., komandir podrazdeleniya (Restev-na-Domu); AMATUNI, P., pilot
(Restev-na-Domu).

Impertant "details" in the organization of flights without engineers.
Grazhd.av.13 no.6:24-26 Jo '56. (MIRA 9:9)
(Airplanes--Piloting)

AMATUNI, P., pilot (g.Sasovo).

What prevents Sasovo Academy to become a model school. Grazhd.av. 13
no.10:9-11 0 '56. (MIRA 10:1)
(Aeronautics--Study and teaching)

Amatuni, P.
AMATUNI, P., pilot.

← Incident in the sky. Grashd. av. 14 no.10:31-32 0 '57. (MIRA 10:12)
(Aeronautics, Commercial)

AMATUNI, P., pilot (g. Rostov-na-Donu)

Pilot Sergei Chistiakov strives for greater flying efficiency.
Grazhd.av. 12 no.8:12-14 Ag '55. (MIRA 15:8)
(Chistiakov, Sergei Andreevich) (Aeronautics--Flights)

AMATUNI, P.

Wormhole. Grazhd.av. 19 no.12:26-27 D '62.

(MIRA 16:2)

1. Chlen Soyuzo sovetskikh pisateley.
(Air pilots)

L 8571-66 EPF(n)-2/EWA(h)/EWP(z)/EWP(b)/T/EWT(m)/EWA(d)/EWP(w)/EWP(t) IJP(c)
ACC NR: AT5023782 GG/WW/JD SOURCE CODE: UR/0000/62/000/000/0034/0057

AUTHOR: Pravdyuk, N. F.; Amayev, A. D.; Platonov, P. A.; Kuznetsov, V. N.;
Golyanov, V. M. 44, 55 44, 55 44, 55 44, 55 70
ORG: none 44, 55 B+1

TITLE: Effect of neutron irradiation of the properties of structural materials

SOURCE: Soveshchaniye po probleme Deystviye yadernykh izlucheniya na materialy. Mos-
cow, 1960. Deystviye yadernykh izlucheniya na materialy (The effect of nuclear radia-
tion on materials); doklady soveshchaniya. Moscow, Izd-vo AN SSSR, 1962, 34-57

TOPIC TAGS: neutron irradiation, structural material, low carbon steel, low alloy
steel, austenitic steel, steel property, zirconium alloy, alloy property, radiation
damage

ABSTRACT: The effect of irradiation of the mechanical properties of low-carbon
steels, low-alloy steels, austenitic steels, and zirconium alloys has been investi-
gated at the Institute of Atomic Energy im. I. V. Kurcharov, to determine their suita-
bility as structural materials for use in reactors. Irradiation of low-carbon steel
with a flux of 10^{19} or 10^{20} neutron/cm² at 160-200C increased the steel yield strength
and tensile strength, but substantially decreased ductility. For example, the elon-
gation of low-carbon steel drops 25-50% after irradiation with 10^{19} neutron/cm².
Certain conditions of irradiating low-carbon ferrite or ferritic-pearlitic steels

Cord 1/2

L 9235-66 EWT(m)/EWF(w)/EFT(n)-2/EWA(d)/EWP(v)/T/EWP(t)/EWP(k)/EWP(z)/EWP(b)/EWA(h)/
ACC NR: AT5023783 EWA(c) MJW/JD/HM/GG/ GS SOURCE CODE: UR/0000/62/000/000/0058/0067

AUTHOR: Amayev, A. D.; Yefimov, A. V.; Platonov, P. A.; Pravdyuk, N. F.; Razov, I. A.;
Khlebnikov, A. M. 44, 55 44, 55 44, 55 44, 55 44, 55

ORG: none

TITLE: Effect of neutron irradiation on the mechanical properties of heat-resistant ferritic-pearlitic steels and on their welded joints

SOURCE: Soveshchaniye po probleme Deystviye yadernykh izlucheniya na materialy. Moscow, 1960. Deystviye yadernykh izlucheniya na materialy (The effect of nuclear radiation on materials); doklady soveschaniya. Moscow, Izd-vo AN SSSR, 1962, 58-67

TOPIC TAGS: ferritic pearlitic steel, neutron irradiation, steel irradiation, steel property, weld property/25Kh2MFA steel, 12Kh2MFA steel

ABSTRACT: The effect of neutron irradiation on the mechanical properties of ferritic-pearlitic steels and their welded joints has been investigated. Specimens of annealed and tempered 25Kh2MFA and 12Kh2MFA chromium-molybdenum-vanadium steels with 0.2% and 0.1% C, respectively, were irradiated at 80-305C with integrated neutron fluxes of 2.8×10^{17} - 7.2×10^{19} n/cm² (35% of neutrons with energy > 1). Mechanical tests of both steels and of 12Kh2MFA steel welds showed that neutron irradiation increases strength and decreases ductility and notch toughness, but not as much as in 25KhNM steel or 20 steel irradiated under the same conditions. This shows that metal strengthened by means of alloying or heat treatment, plastic

Card 1/2

L 41366-66 EWT(n)/EWP(v)/EWP(j)/I/EWP(t)/ETI/EWF(k) IJP(c) JD/WW/HM/RM
 ACC NR: AP6022887 (A) SOURCE CODE: UR/0138/66/000/004/0022/0025
 AUTHOR: Syrovatko, T. P.; Zhitlovskaya, A. I.; Amatuni, L. A.; Nikogosyan, M. G.;
 Medvedeva, A. M. 43
B
 ORG: Scientific Research Institute of the Rubber Industry (Nauchno-issledovatel'skiy
 institut rezinovoy promyshlennosti)
 TITLE: 88NP adhesive for cold bonding of rubber to metal 4
 SOURCE: Kauchuk i rezina, no. 4, 1966, 22-25
 TOPIC TAGS: adhesive, adhesive bonding, rubber / 88NP adhesive
 ABSTRACT: The properties of 88-NP adhesive, prepared from NP nairit, was studied un-
 der laboratory and industrial conditions. The adhesive does not change its viscosity
 and adhesive properties during storage, and is thermally stable up to 70°C. The opti-
 mum strength of the adhesive joint is achieved 24 hours after the bonding. The adhe-
 sive properties of 88-NP are not impaired by the action of low temperatures. When 1/3
 part of toluene is introduced into the adhesive composition as the solvent, the crys-
 tallization temperature of 88-NP decreases. The adhesive produces satisfactory bond-
 ing strengths with various materials. It is concluded that 88-NP adhesive is suitable
 for bonding the majority of commonly used rubbers to various materials. In the pres-
 ence of a plasticizer, however, the bonding strength decreases because the plasticiz-
 ers migrate from the rubber to the film of adhesive and cause it to soften. Orig. art.
 has: 6 figures and 1 table.
 SUB CODE: 11/ SUBM DATE: 30Nov64. UDC: 668.395.004.12
 Card 1/1 *boh*

~~AMATUNIAN, L. A.~~
 Effect of the mountain climate at the Dzhermuk health resort
 on gas and energy metabolism. Izv. AN Arm. SSR. Biol. i
 sel'khoz. nauki 10 no.4:117-128 Ap '57. (MLRA 10:5)

1. Fakul'tetskaya terapevticheskaya klinika goroda Yerevan.
 (DZHERMUK--ALTITUDE, INFLUENCE OF) (METABOLISM)

AMATUNYAN, V. G .

AMATUNYAN, V. G., Cand Med Sci --(diss) "Effect of high mountain and mineral-water drinking factors of the Dzhermuk health resort upon gas and energy metabolism." Yerevan, 1958. 27 pp (Yerevan State Med Inst. Republic Clinical Hospital). 200 copies (KL, 20-53, 101)

AMATUNYAN, V.G., (Yerevan)

Oxyhemometric determination of the rate of blood flow in the venous system of the pulmonary circulation. Klin.med. 36 no.8:118-120
Ag '58 (MIRA 11:9)

1. Iz fakul'tetskoy terapevticheskoy kliniki (zav.-zasluzhenny deyatel' nauki prof. T.S. Mnatsakanov) Yerevanskogo meditsinskogo instituta.

(BLOOD CIRCULATION, determ.
flow venous pulm. circ., oxyhemometric method (Rus))
(VEIN, PULMONARY, physiology,
circ. rate, oxyhemametric determ. (Rus))
(OXYGEN, in blood,
oxyhemometric dterm. of pulm. venous circ. (Rus))

MNATSAKANOVA, T.S.; AMATUNYAN, V.G.

Altitude adaptation at the Dzhermuk resort based on data from
oxyhemometry. Izv. An Arm.SSR. Biol.nauki 12 no.11:89-95 N '59.
(MIRA 13:5)

1. Fakul'tetskaya terapevticheskaya klinika Yerevanskogo Medi-
tsinskogo instituta.

(BLOOD--OXYGEN CONTENT)

(ALTITUDE, INFLUENCE OF)

MNATSAKANOV, T.S.; AMATUNYAN, V.G.; GEVORKYAN, G.G.

Potassium perchlorate treatment of patients with thyrotoxicosis.
Klin.med. 38 no.7:81-86 '60. (MIRA 13:12)
(HYPERTHYROIDISM) (POTASSIUM PERCHLORATE)

AMAYEV, A.A.; SALAZHEV, V.M.

Using surface active agents in petroleum production. Neft,
khoz. 39 no.4:33-37 Ap '61. (MIRA 14:6)
(Oil field flooding) (Surface active agents)

AMAYEV, A. D. and NAKHETOV, D. M.

"Finding the Yield Point by the Compression Method Using 'Rockwell' Instrument,"
page 120 of the book "Problems on Strength and Deformation of Metals and Alloys,"
released by Moscow Engineer-Physics Inst., Mashgiz, 1954

D-342613, 24 Oct 1955

NAKHIMOV, D.M., kandidat tekhnicheskikh nauk, dotsent; AMAYEV, A.D.,
inzhener.

Determination of the yield point by the compression method with
the Rockwell tester. Sbor.nauch.rab.MIFI no.8:120-124 '54.(MLRA 9:3)
(Metals--Testing)

AMBARTSUMYAN, R.S.; KISELEV, A.A.; TSUPRUN, L.I.; GREBENNIKOV, M.V.; MIKHAILIN, V.I.
and NIKULINA, A.V.

"Mechanical Properties and Corrosion Resistance of Zirconium
and Its Alloys in Water, Steam, and Gases at High Temperatures."

report presented at the Int'l Conference on the Peaceful Uses of Atomic Energy, 2nd, Geneva,
1-13 Sept 1958. (Apex 3044)

A MAYEV, A. D.

21(4) **THESE I BOOK EXPLANATIONS** SOV/211A

International Conference on the Peaceful Uses of Atomic Energy. 2nd, Geneva, 1958

Radioactivity sources: 1. Yakovlev reports 1 radioactive metal. (Reports of Soviet Scientists; Nuclear Fuel and Reactor Metals) Moscow, Atomizdat, 1979. 670 p. (Series: The; 2nd, vol. 3, 0,000 copies printed.)

2. (Title page): A.A. Kocherzhevskiy, Academician, A.P. Vinogradov, Academician, V.M. Tsalkovskiy, Corresponding Member, USSR Academy of Sciences, and A.P. Zaitsev, Doctor of Technical Sciences; M. (Inside book): V.V. Pavlovskiy and G.M. Pchelintseva; Tech. M.: E.I. Maslov.

REMARKS: This volume is intended for scientists, engineers, physicists, and metallurgists working in the production and peaceful application of atomic energy; for students of higher technical education; and for those of higher technical education whose work involves in depth and for people interested in atomic science and technology.

COMMENTS: This is volume 3 of a 6-volume set of reports on atomic energy, presented by Soviet scientists at the Second International Conference on the Peaceful Uses of Atomic Energy, held in Geneva from September 1 to 13, 1958. Volume 3 consists of two parts. The first part, edited by A.I. Zubov, is devoted to geology, prospecting, construction and processing of nuclear energy material. The second part, edited by G.L. Zverev, includes 27 reports on metallurgy, metallography, processing technology of nuclear fuels and nuclear materials, and neutron irradiation effects on metals. The titles of the individual reports are listed in the corresponding section of the official English language edition of the proceedings. See SOV/2001 for the titles of the other volumes of the set.

Yakovlev, S.F., E.P. Soboleva, B.M. Lektorskiy, L.D. Pustolovskiy, and V.P. Prudnyy; and Physics-Chemical Processes occurring in Fissionable Materials under Irradiation (Report No. 2198)

600 Prudnyy, S.F., S.N. Kozlovskiy, L.D. Pustolovskiy, and L.I. Pchelintseva; Effect of Neutron Irradiation on the Mechanical Properties of Structural Materials (Report No. 2092)

605 Yakovlev, S.F., V.I. Lykov, and V.P. Zolotarev; Magnesium-Beryllium Alloy as Structural Material for Nuclear Reactors (Report No. 2155)

636 Prudnyy, S.F., and V.A. Nikitina; Corrosion Behavior of Structural Metals in Liquid Air (Report No. 2082)

642 Yakovlev, S.F., V.I. Lykov, V.I. Anisimov, B.S. Berezovskiy, and V.A. Yuzovskiy; Study into the Corrosion Resistance of Certain Metals in Sodium and Lithium (Report No. 2194)

Card 10/11

AMAYEV, A.D.; LEBEDEV, L.M.

[Testing machines for studying the mechanical properties
of irradiated materials] Ispytatel'nye mashiny dlia izu-
cheniia mekhanicheskikh svoistv obluchennykh materialov.
Moskva, In-t atomnoi energii AN SSSR, 1960. 15 p.
(MIRA 16:12)

(Testing machines)
(Materials, Effect of radiation on)

The Effect of Nuclear Radiation (Cont.)

SOV/6176

Pravdyuk, N. F., A. D. Amayev, P. A. Platonov, V. N. Kuznetsov,
and V. M. Golyanov. Effect of Neutron Irradiation on the
Properties of Constructional Materials

34

The article presents results of investigations conducted
in the hot laboratory at the Atomic Energy Institute
imeni I.V. Kurchatov, Academy of Sciences USSR.

Amayev, A. D., A. V. Yefimov, P. A. Platonov, N. F. Pravdyuk,
I. A. Razov, and A. M. Khlebnikov. Effect of Neutron Irradia-
tion on Mechanical Properties of Heat-Resistant Steels of the
Ferrite-Perlite Type and Their Welded Joints

58

The specimens were irradiated by a neutron flux of $6 \cdot 10^{13}$ n/cm²
in the RFT Reactor at the Atomic Energy Institute, Academy
of Sciences USSR.

Yefimov, A. V., O. A. Kozhevnikov, V. A. Nikolayev, N. F.
Pravdyuk, I. A. Razov, and A. M. Khlebnikov. Effect of Neutron
Irradiation on Mechanical Properties of Austenitic Stainless
Steels of Various Strengths

68

Card 3/14
3

VINOKURSKIY, S.A.; VOTCHAL, B.Ye.; AMAYEVA, L.A.

Arterial oscillometer. Med.prom. 15 no.9:48-50 S '61. (MIRA 14:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut meditsinskikh instrumentov i oborudovaniya i Tsentral'nyy institut usovershenstvovaniya vrachey.

(OSCILLOMETER)

(BLOOD PRESSURE)

VINOKURSKIY, S.A.; AMAYEVA, L.A.

Gas flow metro. Nov. mod. tozh. no.3:166-169 '65. (MIRA 19:1)

VINOKURSKIY, S.A.; AMAYEVA, L.A.; RABINOVICH, N.F.

Device for the calibration of small changes in volume. Nov. med.
tekhn. no.3:170-173 '65. (MIRA 19:1)

AZIZOV, I.M.; AMAYEVA, S.D.

Role of phenol compounds in the ontogeny of apple. Fiziol. rast.
12 no.2:342-343 Mr-Ap '65. (MIRA 18:6)

1. Dagestanskiy nauchno-issledovatel'skiy institut pishchevoy
promyshlennosti, Makhachkala.

ALMAZOV, V.A., PAVLOV, B.A.

Histochemical study of blood cells in some diseases of the
blood system. Lab. delo 4 no.6:3-7 N-D '58 (MIRA 11:12)

1. Iz kafedry fakul'tetskoy terapii (zav. - prof. T.S. Istamanova)
Leningradskogo meditsinskogo instituta imeni I.P. Pavlova).
(BLOOD CELLS)

~~ALMAZOV, V.A.~~

Pathogenesis of certain forms of leukopenia. Terap.arkh.30 no.6:
38-42 Je '58 (MIRA 11:7)

1. Iz kafedry fakul'tetskoy terapii (zav. - prof.T.S. Istamanova)
I Leningradskogo meditsinskogo instituta imeni I.P. Pavlova.
(LEUKOCYTE COUNT,
leukopenia, pathogen. (Rus))

ALMAZOV, V.A., Cand Med Sci -- (diss) "On the problem of the pathogenesis of certain forms of leucopenia." Len, 1959, 18 pp (First Len Med Inst in Academician I.P. Pavlov) 200 copies (KL, 28-59, 130)

- 101 -

ALMAZOV, V.A.; RYABOV, S.I.

Use of ACTH in the treatment of some blood diseases. Sov. med. 24
no.4:30-34 Ap '60. (MIRA 13:8)

1. Iz fakul'tetskoy terapevticheskoy kliniki (zav. kafedroy - prof.
T.S. Istamanova) I Leningradskogo meditsinskogo instituta im. akad.
I.P. Pavlova. (BLOOD--DISEASES) (ACTH)

ISTAMANOVA, T.S.; ALMAZOV, V.A.

On leucopenias and agranulocytoses. Terap. arkh. 32 no. 6:24-32
Je '60. (MIRA 14:1)

(AGRANULOCYTOSIS) (LEUCOPENIA)

ISTAMANOVA, Tat'yana Sergeevna; AIMAZOV, V.A.

[Leucopenia and agranulocytosis] Leikopenii i agramulotsitozy.
Leningrad, Medgiz, 1961. 184 p. (MIRA 14:11)
(AGRANULOCYTOSIS) (LEUCOPENIA)

AIMAZOV, V.A.; KANAYEV, S.V.

Agammaglobulinemia in a woman with chronic lymphadenosis.
Probl.gemat. i perel.krovi no.11:58-60 '61. (MIRA 15:1)

1. Iz fakul'tetskoy terapevticheskoy kliniki (zav. - prof. S.T.
Istamanova) I Leningradskogo meditsinskogo instituta imeni akad.
I.P. Pavlova.

(GAMMA GLOBULIN) (LYMPHATICS--DISEASES)

RYABOV, S.I.; ALMAZOV, V.A.; PAVLOV, B.A.; DRUZHIN, I.M.

Effect of ACTH and cortisone on the functional activity of leukocytes.
Probl. gemat.i nerel. krovi 6 no.1:31-36 '61. (MIRA 14:2)
(ACTH) (CORTISONE) (LEUKOCYTES)

ALMAZOV, V.A.; PAVLOV, B.A.

Study of the motor activity of neutrophils. Lab.delo 7 no.7:23-26
Jl '61. (MIRA 14:6)

1. Kafedra fakul'tetskoy terapii (zav. - prof. T.S.Istamanova)
I Leningradskogo meditsinskogo instituta imeni akademika I.P.Pavlova.
(LEUCOCYTES)

ISTAMANOVA, T.S., prof.; ALMAZOV, V.A., assistant

Clinical aspects and treatment of agramulocytosis. Med. sestra 20
no.10:33-37 0 '61. (MIRA 14:12)

1. Iz fakul'tetskoy tetapevticheskoy kliniki I Leningradskogo meditsinskogo instituta imeni akademika I.P.Pavlova.
(AGRANULOCYTOSIS)

ALMAZOV, V. A.; RYABOV, S. I.; TUSHINSKAYA, M. M.

Bone marrow transplantation in some hypoplastic conditions of
the blood. Terap. arkh. 33 no.5:89-94 My '61. (MIRA 14:12)

1. Iz kafedry fakul'tetskoy terapii (zav. - prof. T. S. Istamanova)
I Leningradskogo meditsinskogo instituta. (BLOOD—DISEASES)

(MARROW—TRANSPLANTATION)

ALMAZOV, Vladimir Andreyevich; RYABOV, Sergey Ivanovich; DYGIN, V.P.,
red.; KHARASH, G.A., tekhn. red.

[Methods of functional study of the blood system] Metody
funktsional'nogo issledovaniia sistemy krovi. Leningrad,
Medgiz, 1963. 130 p. (MIRA 16:5)
(BLOOD--ANALYSIS AND CHEMISTRY)

AMBAKH, B. A. I NOLOKOV, M. N.

5578 AMBAKH, B. A. I NOLOKOV, M. N. rezinovyie izde liya bytovogo potrebleniya. m., koiz, 1954. 16 s. s ill. ~~4~~ sm. (tsentr. sovet, promysl. kooperatsii sssr. tekhn. upr. ~~4~~men proizvod.-tekhn. opytom. luchshiye obra-tsv izdel'iy shirokogo potrebleniya. 28). 1,000 ekz. bespl.--sost. ukazanyv koitse teksta.--
54-15078zh

SO: Knizhnaya Letopis', Vo., 1, 1955

AMBARNIKOV, I. K., SOTNIKOVA, A. N., DENISEV, YU. V., ZEMESHCHENKO, E. G.

"A study of the strains of tick encephalitis isolated in the foci of the Primorye region in 1956-1957." p. 54

Desyatoye Soveshchaniye po parazitologicheskim problemam i prirodnoochagovym bolezniam. 22-29 Okt'yabrya 1959 g. (Tenth Conference on Parasitological Problems and Diseases with Natural Foci 22-29 October 1959), Moscow-Leningrad, 1959, Academy of Medical Sciences USSR and Academy of Sciences USSR, No. 1 254pp.

AMBAROV, V. A.

PA 277
Aug 48

USSR/Engineering
Lathes, Turret

"Turret Lathes With Automatized Change-Over of the
Number of Shaft Revolutions," V. A. Ambarov, Engr,
ENIMS, 7 PP

"Stanki i Instrument" No 8

Describes lathe design which is original and extremely
progressive. Many of its features can be effectively
used by designers of other new lathes. Gives char-
acteristics of lathe, examines its structural peculi-
arities in detail, and explains how its work is
controlled. Includes thirteen sketches.

37/49245

AMBAROV, V. A.

10266* Wear Resistance of Metal-Cutting Machine Guides.
(Russian.) V. A. Ambarov. *Stanki i Instrument.* v. 23, Jan.
1952, p. 21-24.

Results of experimental investigation of the above for a number
of different steels and cast irons. Tables and graphs.

AMEAROV, V. A., Eng.

Machine Tools

Set-up for the study of durability of the ways in straight-lone machine tool movement. Vest. mash. 3 no. 2 1953

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

AMBAROV, V.A., inzhener.

Problem of wear of guiding parts for straight motion in machine tools. Vest.
mash. 33 no.10:26-31 0 '53. (MIRA 6:10)
(Machine tools)

AMBAROV, V. A.

AMBAROV, V. A. -- "INVESTIGATION OF THE RESISTANCE TO WEAR OF RECTILINEAR MOTION GUIDES
IN MACHINE TOOLS." SUB 26 MAY 52, ALL-UNION CORRESPONDENCE POLYTECHNIC INST
(DISSERTATION FOR THE DEGREE OF CANDIDATE IN TECHNICAL SCIENCES)

SO: VECHERNAYA MOSKVA, JANUARY-DECEMBER 1952

1. ANBARTSUMOV, A.
2. USSR (600)
4. Construction Industry
7. For stricter adherence to economy in construction. Za ekon. mat. no. 2, 1953.

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

AMBARTSUMOV, A. (Baku); MARTIROSOV, Yu. (Baku)

Quality of production is of the most importance. Sov. torg. 36
no.5:36-37 My '63. (MIRA 16:5)
(Azerbaijan--Clothing industry--Quality control)
(Azerbaijan--Shoe industry--Quality control)

AMBARTSUMOV, A.A.; ZHUKOV, G.V.; GRIGOR'YEV, B.F.; SMIRNOV, Ye.I.,
red.; PONOMAREVA, A.A., tekhn. red.

[Standardizing the consumption of materials] Normirovanie
raskhoda materialov. Pod red. Ambartsumova. Izd.2., dop.
Moskva, Ekonomizdat, 1963. 109 p. (MIRA 16:6)
(Materials management)

AMBARTSUMOV, A.M.; ZHUKOV, G.V.; GRIGOR'YEV, B.F.; MAKSIMOV, I.S., red.;
GERASIMOVA, Ye.S., tekhn. red.

[Standardizing the consumption of materials in production and
construction] Normirovanie raskhoda materialov v proizvodstve i
stroitel'stve. Moskva, Izd-vo ekon. lit-ry, 1961. 99 p.
(MIRA 14:10)

(Materials)

Accession No. 111-44117
Doc. No. 000 000 0448/0453

AUTHOR: Ambartsumov, P. A.

TITLE: Chromatographic methods of analyzing hydrocarbon gases for controlling the production of synthetic rubber at the plant

Moscow, Izd-vo Nauka, 1961, 94 p.

TOPIC TAGS: synthetic rubber production, gas chromatography, divinyl production, hydrocarbon analysis

ABSTRACT: The recent improvement in chromatographic techniques has permitted their application to the analysis of contact gases in the butane dehydrogenation process. The analysis of contact gases containing divinyl is carried out on a chromatographic station consisting of two columns, one packed with activated alumina, the other with charcoal. They are charged by a batch method. The accuracy varies between 0.4 and 0.6%.

Card 1/2

L 16598-65

ACCESSION NR: AT4048197

0

For the analysis of C₄ mixtures, the KhT-2M gas-liquid installation is used; copper column length 6 M, diameter 4 mm, carrier gas air at 1.5 atm, 40 ml/min velocity, potential 1.7 V, temperature 100°C. The following compounds were analyzed: ethane, ethylene, propene, propyne, butane, butene, butyne, and acetylene. Ethanol, glycerol and butyne were also used. The KhT-2M installation is calibrated on known mixtures. The results of the analysis are given in the form of a table and a graph. The table has 2 columns: the first column contains the name of the compound, the second column contains the analytical data and the graph has 2 figures: 1) the results of the analysis.

ASSOCIATION: None

SUBMITTED: 16Jul64

ENCL: 00

SUB CODE: MT, GC

NO REF SOV: 000

OTHER: 000

Card 2/2

AMBARTSUMOV, P.A.; RZAYEVA, S.B.; PODLISKER, Ye.B.; Prinimali uchastiye;
BUYNITSKAYA, V.L.; AKOPOVA, Ye.N.; VLADIMIRSKAYA, G.I.; MAMEDOVA, S.P.

Using chromatographic methods for controlling the production
of binylnl from butane. Sbor. nauch.-tekh. inform. Azerb.
inst. nauch.-tekh. inform. Ser. Nefteper. i khim. prom.
no.2:30-34 '62. (MIRA 18:9)

1. Institut neftekhimicheskikh protsessov AN AzerSSR (for
Buynitskaya, Akopova, Vladimirskaia, Mamedova).

GORDIYEVICH, V.A.; SANAROV, I.V.; AMBARTSUMOV, S.L.

Methods of prospecting for oil and gas in the Dnieper-Donets
Lowland. Neft. i gaz. prom. no.2:5-7 Ap-Je '62. (MIRA 15:6)

1. Treat "Poltavaneftegazrazvedka".
(Dnieper-Donets Lowland--Petroleum geology)
(Dnieper-Donets Lowland--Gas, Natural--Geology)

Ambartsumov, S.M.

104. Basic Metabolism in Brucellosis

"Basic Metabolism in the Acute Septic Form of Brucellosis,"
by S. M. Ambartsumov, Trudy Infektsionnoy Kliniki Tashkentskogo
Meditsinskogo Instituta (Works of the Infection Clinic of
Tashkent Medical Institute), 1954, pp 80-98 (from Sovetskoye
Meditsinskoye Referativnoye Obozreniye, No 20, 1956, p 52,
abstracted by I. Kokorin)

"The basic metabolism rate (BMR) was determined by means of the Knipping apparatus. Thirty-three patients age 16 to 54, including 18 women and 15 men, with the acute septic form of brucellosis were observed. The duration of the disease was from 12 days to 6-7 months. It was established that the BMR was increased in 25 patients and was normal in 8 persons. This was found to be connected indirectly with the duration of the disease and with positive Wright and Burnet reactions. The extent to which basic metabolism was increased was found to be directly proportional to the severity of the disease, decreasing with improvement of the patient and increasing when the patient's condition became worse. The dynamics of change in basal metabolism constitute the basis for certain conclusions concerning the remote consequences of the disease." (U)

AMBARTSUMOV, S. M., Cand Med Sci -- (diss) "Oxidation-reduction potential of blood in patients with brucellosis. (Clinico-laboratory research)." Tashkent, 1960. 15 pp; (Ministry of Public Health Uzbek SSR, Tashkent State Medical Inst); 400 copies; price not given; (KL, 17-60, 167)

Trojan Gerasimovich

Mar 1947

USSR/Electricity
Motors, Electric
Coils - Winding

"Multi-speed Windings for an Asynchronous Electric Motor, Utilizing Diametrically Opposed Coil Pairs," T. G. Ambarsumov, Engr, Research and Investigation Institute of Ministry of Electric Industry, 9 pp

"Vest Elektro Prom" No 3

Technical article with many mathematical formulas discussing a four-speed electric motor. Diagrams of circuits and graphs of performance data. Two photographs of the motor, which can operate at 3,000, 1500, 1,000 and 750 rpm at a normal current 23722

Mar 1947

USSR/Electricity (Contd.)
Motors, Electric
Coils - Winding

of 220 volts. Performance at 3,000 rpm is limited to 60 minutes while at the other speeds it is continuous.

23722

AMBARTSUMOV, T. G.

Jan-Feb 1947

USSR/Electric Machinery

"Small General-Purpose Electric Machines," T G
Ambartsumov, 2 pp

"Vestnik Elek Prom" Vol XVIII, No 1-2

Lists five machines with four photographs and two
tables of operating data. Four of the five are elec-
tric motors for special machines.

Sci. Res. Inst., Min. Elect. Industry

1761

АЛЕКСАНДРОВ, Т. С., Engineer

Cand Tech Sci

Dissertation: "Multispeed Windings of Asynchronous Motors."

25/12/50

Sci Res Inst, Ministry of Electric Industry, USSR.

SO Vecheryaya Moskva
Sum 71

80V/110-58-10-1/34

AUTHOR: Ambartsumov, T.G. (Cand. Tech. Sci.), Kovarskiy, E.M. (Engineer)
and Gershkovich, G.I. (Engineer).

TITLE: The possibility of increasing the permissible current-density under brushes. (O vozmozhnosti povysheniya dopustimoy plotnosti toka pod shchetkami)

PERIODICAL: Vestnik Elektropromyshlennosti, 1958, No. 10, pp. 17-19. (USSR)

ABSTRACT: A number of tests were made on d.c. electric motors of ratings up to 20 kW to determine the influence of brush current-density on brushwear, brush and commutator heating and commutating conditions. The peripheral speed of the commutator was up to 21.3 m/sec, the specific pressure on the brushes was maintained at 270-300 g/cm², and the current-density in the brushes was raised to double the standard value given in GOST 2332-43. The results of long-term wear tests on electro-graphite brushes for four different motors are tabulated. The relationships between brush wear and service life for the same four motors is given in Fig. 1. There was little variation in the degree of sparking and stability of commutation as compared with normal current-densities. In some cases commutation conditions were even improved, as shown in Fig. 3 which gives curves for a 16 kW, 3000 r.p.m. motor using various brush sections. Increased brush current-density had little effect on brush or commutator temperatures. It is, therefore, considered that higher current-densities than those included in standard

Card 1/2

The possibility of increasing the permissible current-density under brushes. SOV/110-58-10-4/24

GOST-2332-43 could be used for d.c. machines with normal conditions of commutation. New standards of permissible current-density in brushes should be drawn up. If this is done, brush-gear can be simplified and made lighter. There are 3 figures and 1 table.

SUBMITTED: April 17, 1958.

1. Carbon brushes--Performance
2. Carbon brushes--Test methods
3. Carbon brushes--Electrical factors
4. Electric currents--Thermal effects

Card 2/2

SOV/110-58-12-3/22

AUTHOR: Ambartsumov, T.G., Candidate of technical sciences
TITLE: A Homopolar Inductor Frequency-Changer (Odnimennopol-
yusnyy induktorny preobrazovatel' chastoty)
PERIODICAL: Vestnik Elektropromyshlennosti, 1958, Nr 12, pp 12-14 (USSR)

ABSTRACT: The construction of the frequency changers described in this article is illustrated in Fig 1. Within the same shell there are two stators, each having a rotor similar to that of a homopolar inductor generator. The stator windings have different numbers of poles and the rotors have different numbers of teeth. Between the two stators there is an annular magnetising coil supplied by direct current. One of the stator windings is connected to an a.c. supply and the rotor turns at synchronous speed. The rotating magnetic field of the stator has a longitudinal magnetic component in the form of a homopolar axial flux of constant direction. The magnetic circuit of this flux comprises the two stators, the rotors, the shaft and the frame, as shown in Fig 1; the flux can be augmented by the d.c. magnetisation coil. The frequencies in the two stators are then in the same ratio as the number of poles in them. For starting

Card 1/3

A Homopolar Inductor Frequency-Changer

SOV/110-58-12-3/22

purposes the primary motor has a short-circuited winding of the squirrel-cage induction-motor type, the construction of which will be seen from Fig 2. The general operating principles of the machine are described. Voltage equations are given for the primary and secondary windings. The number of phases can be changed as well as the frequencies. Tests have shown that this type of frequency-changer can operate with a power-factor close to unity and is, therefore, of high efficiency. In this respect it is superior to ordinary single-frame motor-generator frequency-changers, its size and weight being no greater. The sections of the various paths in the magnetic circuit can be reduced by making the frequency converter in the form of three conjoined stators with two magnetising coils, as shown in Fig 3. The operation of the machine in this case is explained. The machines are reliable because there are no rotating windings or sliding contacts. The machines can also operate as

Card 2/3

SOV/110-58-12-3/22

A Homopolar Inductor Frequency-Changer

synchronous capacitors with high-frequency capacitors
connected on the secondary side. There are 3 figures.

SUBMITTED: 17th July 1958

Card 3/3

AMBARTSUMOV, Ye.A.; OSTROVITYANOV, Yu.K.; RUMYANTSEV, A.M., red.

[Structure of the laboring class in capitalist countries; materials from an exchange of opinions published in the periodical, "Problemy mira i socializma" 1960-61]. Struktura rabocheho klassa kapitalisticheskikh stran; materialy obmena mneniyami, provodivshegosia v zhurnale "Problemy mira i sotsializma" v 1960-1961 gg. Prague, Izd-vo "Mir i sotsializm," 1962. 356 p. (MIRA 16:5)

1. Chlen-korrespondent Akademii nauk SSSR (for Rumyantsev).
(Labor and laboring classes)

NIKITIN, Petr Ivanovich, kand. geol.-miner. nauk; OVNATANOV, Suren Tomasovich; AMBARTSUMOVA, Aida Tatevosovna; BABICH, El'vira Sergeevna; GOL'DINA, Lilya Iosifovna; LUNINA, Aleksandra Grigor'yevna; STANKOVICH, Yu.V., red.; BAGIROVA, S., tekhn.red.

[Development of a multilayered pool of the Balakhary series in the Peschanyy-More oil field] Razrabotka mnogoplastovoi zalezhi balakhanskoi svity neftianogo mestorozhdenia Peschanyi-more. Baku, Azerneshr, 1962. 51 p. (MIRA 17:4)

AMBARTSUMYAN, A.M.

Viktoriya Minasovna Minasian. Med.seetra 17 no.7:35 J1'58
(MIRA 11:7)
1. Zaveduyushchiy poliklinicheskim otdeleniyem 1-go Meditsinskogo
ob"yedineniya, Leninakan.
(MINASIAN, VIKTORIYA MINASOVNA)

AMBARTSUNYAN, A.P.; BRISK, M.I.; LISTENGARTEN, B.M.; PIRVERDYAN, A.M.

Effect of petroleum viscosity on the effectiveness of water
flooding. Azerb.neft.khoz. 35 no.8:19-22 Ag '56. (MLRA 9:10)

(Oil field flooding)

SOV/124-58-2-2022

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 2, p 75 (USSR)

AUTHORS: Pirverdyan, A. M., Ambartsumyan, A. P.

TITLE: Hydrodynamic Analysis of Some Methods of Reservoir Management
(Gidrodinamicheskiy analiz nekotorykh metodov vozdeystviya na plasty)

PERIODICAL: Izv. AN AzSSR, 1957, Nr 2, pp 15-22

ABSTRACT: An examination of problems relative to the seepage of liquids in a reservoir stratum with straight-line and annular batteries of injection wells and producing wells in conditions of uninterrupted pressure injection, wherein the injection is performed in accordance with the intra-reservoir as well as the extra-reservoir (contour) water-flooding plan. The method is based on the method of equivalent seepage resistances [ref. Charnyy, I. A., Osnovy podzemnoy gidravliki (Fundamentals of Underground Hydraulics). Gostoptekhizdat, 1956]. The following cases are analyzed: a) Assuming a reservoir stratum bounded on three sides by impervious boundaries, m rows of producing wells and one row of injection wells are laid out. The injection is set up according to the extra-reservoir

Card 1/2

SOV/124-58-2-2022

Hydrodynamic Analysis of Some Methods of Reservoir Management

(contour) plan, as well as on the side of the impervious boundary. Assuming the pressure at the wells and at the influence contour to be known, the authors set up a system of equations from which the yields of the producing rows, the flow rate consumed by the injection rows, and the magnitude of the liquid leakage beyond the reservoir are found for either method of injection; b) a detailed investigation is made of the cases when $m=2$ and $m=1$; c) the authors note that the structure of the yield formulas and leakage formulas for annular batteries coincides with the structure of the corresponding formulas for the straight rows and that the central flooding pattern is analogous to flooding along the side of the impervious boundary. For the case of $m=1$, the subject of the injection pressures is examined further.

V. A. Karpychev

Card 2/2

MELIK-ASLANOV, L.S.; LISTENGARTEN, B.M.; AMBATSUMYAN, A.P.

Consolidating areas of exploitation and widening filters used in
fields of the Kirmaki series. Azerb. neft. khoz. 37 no.5:24-26 My
'58. (MIRA 11:8)

(Apsheiron Peninsula--Filters and filtration)

AMBARTSUMYAN, A. P., Cand Tech Sci -- (diss) "Investigation of the characteristics of the Podkirmakinskiy Formation of the Bakinskiy Deposits and their influence on the process of exploitation." Baku, 1960. 13 pp; (Ministry of Higher and Secondary Specialist Education USSR, Azerbaydzhanskaya Order of Labor, Red Banner Institute of Petroleum and Chemistry im A. Azizbekov); 180 copies; free; (KL, 19-60, 132)

AGABEKOV, M.M.; AMBARTSUMYAN, A.P.

Determining fluid losses in edge and peripheral flooding. Trudy
AzNII DN no.9:243-253 '60. (MIRA 14:5)
(Oil field flooding)

ZEYNALLY, M. I.; LISTENGARTEN, B.M.; ~~AMBARTSUMYAN, A.P.~~; GUKASOVA, Ye.K.

Effectiveness of production methods used in the exploitation of
the Kirmaki series in fields of the Oil Field Administration of
the Lenin Petroleum Trust. Azerb. neft. khoz. 39 no.7:20-22 J1
'60. (MIRA 13:10)

(Caucasus, Northern--Oil fields--Production methods)

AZIMOV, B.A.; AMBARTSUMYAN, A.P.; BABICH, Yu.A.; BABICH, E.S.; GASANOVA,
S.A.; GUKASOVA, Ye.K.; KUTUZOV, A.I.; MAMEDOV, G.A.;
PIRVERDYAN, A.M.

Additional data on the problems of the development of the series
"break" in the Neftyanyye Kammi field obtained by electric
modeling methods. Azerb.neft.khoz. 41 no.8:26-29 Ag '62.

(MIRA 16:1)

(Neftyanyye Kammi region--Oil well drilling, Submarine)
(Geological modeling)

AMBARTSUMYAN, A.P.; MAMEDOV, E.A.; NIKITIN, P.I.; PIRVERDIYAN, A.M.;
SAMEDOV, F.I.

Analysis of the water encroachment of pools of the Sub-Kimarki series in the southwestern wing of the Neftyannyye Kanni deposit in edge water flooding. Izv. AN Azerb.SSR. Ser.geol.-geog.nauk i nefti no.3:3-8 '63. (MIRA 16:11)

AMBARTSUMYAN, Arfeniya Pogosovna; KRYUCHKINA, Sof'ya Borisovna;
MIKHILIN, Petr Ivanovich

[Methods of secondary recovery of oil] Vtorichnye metody
dobychi nefi. Moskva, Nedra, 1965. 173 p. (MIRA 18:10)

AMBARTSUMYAN, B.

Experimental work for improving stopping operations and the
introduction of stopping in mines of the Kafan Copper Mining Combine.
Prom.Arm. 4 no.8:61-63 Ag '61. (MIRA 14:8)

1. Glavnyy inzh. Kafanskogo mednorudnogo kombinata.
(Kafan--Copper mines and mining)

AMBARTSUMYAN, B.; POGOSYAN, Ye.

Mass blasting in the Kafan Mines. Prom.Arm. 5 no.1:48-50 Ja '62.
(MIRA 15:2)

(Armenia--Blasting)

VORONIN, V.; AMBARTSUMYAN, B.

Using sprayed-concrete bolting in mines of the Kafan Copper Works.
Prom.Arm. 6 no.12:22-26 D '63. (MIRA 17:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy gornic-metallurgicheskiy
institut tsvetnykh metallov (for Voronin). 2. Kafanskiy mednorudnyy
kombinat (for Ambartsumyan).

DANGYAN, H.T.; SHAHNAZARYAN, G.M.; AMBARTSUMYAN, E.N.

Production of some new unsaturated acids. Dokl. AN Arm.
SSR 33 no.2:53-56 '61. (MIRA 14:10)

1. Yerevanskiy gosudarstvennyy universitet. Predstavleno
akademikom AN Armyanskoy SSR A.L. Mndzhoyanom.
(Acids, Organic)

DOVLATYAN, V.V.; AMBARTSUMYAN, E.N.

Synthesis of herbicides. Part 15: Synthesis and herbicide properties of dialkylaminoalkyl-N-aryl carbamates. Izv. AN Arm. SSR. Khim. nauki 18 no.3:304-308 '65. (MIRA 18:11)

1. Armyanskiy sel'skokhozyaystvennyy institut, kafedra obshchey khimii. Submitted April 24, 1964.

AMBARTSUMYAN, G.A., kandidat tekhnicheskikh nauk; NURIDZHANYAN, N.A., inzhener.

Automatic water discharge regulator and water gauge of the Armenian Scientific Research Institute of Hydraulic Engineering and Reclamation (Nuridzhanian and Ambartsunian system). Gidr.i mel. 5 no.12:12-23 D '59. (MLRA 6:11)
(Water meters)

Ambartsunyan, G.A.

7730 Prostyye Yodometry-Regulyatory. (Llya Vnutrikol- Khoz. Sėti).
yerevan, Aypetrat, 1954 83 S. S Ill.; 1 l. Graf. 20 Sm. 2,000
Skz. 75 K? - Na Arm. Yaz. - (55-1514) 626.824

SO. Knizhnaya Letopis', Vol. 7, 1955

AMBARTSUMYAN, G.A.

AMBARTSUMYAN, G.A.

Remarks on A.K. Ananian's article "Water flow capacity of double level spillways." *Izv. AN Arm. SSR Ser. FMET nauk* 7 no.2:85-89 (MIRA 8:3)
Mr-Apr '54.

1. *Arnyanskiy nauchno-issledovatel'skiy institut gidrotekhniki i melioratsii.*
(Spillways)

AMBARTSUMYAN, G.A.

Determining hydrodynamic pressure on a flat slab during discharge from
under the slab. Izv. AN Arm. SSR. Ser. FMET nauk 7 no.6:99-108 N-D '54.
(MLRA 8:7)

1. Armyanskiy nauchno-issledovatel'skiy institut gidrotekhniki i
melioratsii. (Hydraulics)

SOV/124-58-8-8798

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 8, p 67 (USSR)

AUTHOR: Ambartsumyan, G.A.

TITLE: On the Design of a Two-level Silt-removal Drain Structure (K voprosu rascheta dvukh'yarusnogo promyvnik)

PERIODICAL: Tr. Arm. n.-i. in-ta gidrotekhn. i melior., 1957, Vol 2, pp 43-59

ABSTRACT: Calling attention to the fact that under certain conditions a low-pressure region is created behind the horizontal separator plate of a two-level water-intake structure, the author observes that this phenomenon affects the flow-velocity distribution prevailing in front of the separator plate, the abscissae of the distribution tending to increase in its lower part. As a result of this vacuum which develops behind the end of the plate, the downward vertical velocity components are intensified, and "this produces the effect of a kinematic barrier, which prevents the alluvial substances on and near the bottom from penetrating into the channel and sucks them into a drain" (see page 45). The author applies the momentum law to a portion of the flow bounded by two sections, one of which is taken at a

Card 1/2

SOV/124-58-8-8798

On the Design of a Two-level Silt-removal Drain Structure

certain distance from the leading edge of the separator plate, the other downstream of the water gate at the upstream opening, with the thought that it might be possible in both these sections to regard the motion of the water as varying slowly with the depthwise hydrostatic distribution of the pressure. By doing this he evolves general equations with which to perform his calculations. With these equations a determination can be made first of the proper elevation and thickness of the separator plate, then of the appropriate basic dimensions of the structure.

V.V. Fandeyev

Card 2/2

MIKAYELYAN, V.G.; AMBARTSUMYAN, G.A.

Discharge ratio during the outflow from under flat shields
covering short pipes. Izv.AN Arm.SSR. Ser.tekh.nauk 10 no.6:17-32
'57. (MIRA 11:2)

(Hydrodynamics)

SOV-99-58-9-4/9

AUTHORS: Ambartsumyan, G.A., Candidate of Technical Sciences and
Gyarakyan, G.A., Engineer.
Spillway

TITLE: The Siphon Shaft/(Sifonnyy shakhtnyy vodosbros)

PERIODICAL: Gidrotekhnika i melioratsiya, 1958, Nr 9, pp 27-34 (USSR)

ABSTRACT: The installation of a siphon shaft spillway in reservoirs to ensure an efficient discharge of flood waters was first proposed by O.V. Vyazemskiy in 1946. It has been tested since then by the hydrotechnical laboratory of the Armenian NIIGiM and recommended for general use as the most efficient and economical means of keeping reservoirs from overflowing flooding adjacent regions. The construction consists of a vertical shaft with a cone-shaped lid. The water penetrates in the space between the edge of the shaft. The lid, permanently fixed at a determined height, sucks in the air from beneath the lid, creates a vacuum and the whole structure works as a siphon. Results of tests showed that the amount of superfluous water discharged in this way was 55 to 60% larger than by a conventional spillway. The shaft can be built from prefabricated tubes of reinforced

Card 1/2

The Siphon Shaft Spillway

SOV-99-58-9-4/9

concrete. The authors devised graphic and analytical calculations of the dimensions of those shafts in relation to the importance of the reservoirs, their height and to the expected amount of flood waters. There are 6 graphs, 5 diagrams, and 6 Soviet references.

1. Inland waterways--Control systems
2. Water--Disposal

Card 2/2

AMBARTSUMYAN, G.A.; KHACHATRYAN, R.M.; MARTIKYAN, R.S.

New systems of shore-protecting lateral spur dikes. Izv. AN
Arm.SSR. Ser.tekhn.nauk 11 no.4:45-50 '58. (MIRA 11:10)

1. Gidrotekhnicheskaya laboratoriya Armyanskogo Nauchno-issledova-
tel'skogo instituta gidrotekhniki i melioratsii Ministerstva
vodnogo khozyaystva ArmSSR.
(Dikes (Engineering))

SOV/99-59-5-5/9

14(10)

AUTHORS: Khachatryan, R.M., ~~Ambartsumyan, G.A.~~, Candidates of Technical Sciences, and Martikyan, R.S., Engineer

TITLE: The Determination of the Angle at Which Bank-Protecting Cross Bars are to be Installed and the Distance Between Them

PERIODICAL: *Gidrotekhnika i melioratsiya*, 1959, Nr 5, pp 37-44 (USSR)

ABSTRACT: The article is concerned with determining both the angle at which the bank-protecting cross bars are to be installed and the distance between them. The functions of Professor S.T. Altunin and Docent I.L. Buzunov, V.O. Tsanova, and I.Ya. Orlov are discussed first, which greatly differ from each other concerning the spill angle. Test with models of blind and open bars carried out by the *Gidrotekhnicheskaya laboratoriya ArmNIIGiM* (Hydrotechnical Laboratory of the *ArmNIIGiM*) resulted in the following function:

Card 1/4

SOV/99-59-5-5/9

The Determination of the Angle at Which Bank-Protecting Cross Bars are to be Installed and the Distance Between Them

$\beta = 15,2 \left(\frac{Z_1}{h - \delta} \right)^{1/3}$, whereby $h\delta$ is the actual flow depth and Z_1 is the overflow at the moment it hits the cross bar. There are two ways to determine Z_1 :

1) for river bottoms not subject to washing away,
 $Z_1 = 12,4 k_c \sqrt{P} \frac{v^2 \delta}{2g}$; 2) for river bottoms which can be washed away and are composed of sand particles of 0.1 to 1 mm, $Z_1 = 5 k_c \sqrt{P} \frac{v^2 \delta}{2g}$. Specifications:
 $k_c = \frac{l'_p}{b_o}$ is the coefficient of bottom compression;

Card 2/4

l'_p is the projection of the cross bar working length