Man on Wings

460

AVAILABLE: Library of Congress
Card 5/5

IMS/ mal
July 10, 1958

ARLAZOROV, M. S.

Budushcheye nachinayetsya segodnya /The Future Begins Today/ Collected popular science essays. Vladimir, 1959, 183 pages.

ARLAZOROV, Mikhail Saulovich; BRUKHNOV, M., red.; KURLYKOVA, L., tekhn. red.

TSiolkovskii. Moskva, Izd-vo "Molodaia gvardiia," 1962. 318 p. (Zhizn' zamechatel'nykh liudei. Seriia biografii, no.11(344)) (MIRA 15:10)
(TSiolkovskii, Konstantin Eduardovich, 1857-1935)

ACC NR: AP6036835 SOURCE CODE: UR/0020/66/171/002/0299/0301

AUTHOR: Arlazarov, V. L. ; Kronrod, A. S.; Kronrod, V. A.

ORG: Institute of Theoretical and Experimental Physics (Institut teoreticheskoy i eksperimental'noy fiziki)

TITLE: A new type of electronic computers

SOURCE: AN SSSR. Doklady, v. 171, no. 2, 1966, 299-301

TOPIC TAGS: electronic computer, computer output unit, transistor, computer storage device, single address computer, double address computer, triple address computer, computer memory, computer programming, logic design, pattern recognition / BESM-6 ~~single-address~~ computer, Minsk ~~double-address~~ computer, BESM-3m ~~triple-address~~ computer

ABSTRACT: A series of comments on the current state and future prospects of computers is presented. Thus, the currently slow readout of words from the memory (at least 10^{-6} sec for the best ferrite-core specimens) restricts the operating speed of the machine, whereas modern transistors make it possible to perform operations several times as quickly and the application of the cascade principle of N. I. Bessonov may accelerate the performance of arithmetic operations by a factor of 5-10. If the number of index registers is large, address substitution

Card 1/3 UDC: 519.95

ACC NR: AP6036835

of instructions is not required; experience in operating the BESM-6 computer, which includes 15_{10} index registers, showed that operations with instructions in this machine are virtually unnecessary. A major approach toward markedly increasing the operating speed of computers is represented by the development of a separate program-storage element admitting rapid readout. In general, the division of memory into "numerical" (active) and "program" (semi-active) admits different cell arrays in these elements. Further, operating experience with single- (BESM-6), double-(Minsk) and triple-(M-2, M-20, BESM-3m) address computers shows that triple-address machines substantially reduce the expenditure of time and effort by the mathematician, sharply increasing the overal productivity of the man-machine system. Hence the conversion (or return) to triple-address machines is highly desirable. The instruction system of Soviet series-built computers (at least of the triple-address computers) is obsolete, and the ways and means of updating it should be discussed in the press. N. I. Bessonov's commutator should be incorporated in any large computer, since the slight additional expense involved is more than offset by the increased rapidity of shifts, acceleration of addition and facilitation of intricate logic operations. The number of instructions absolutely must include all the elementary machine operations such as transfer from register to register and logic addition (multiplication) without resorting to the ferrite-core memory. This will make possible the direct programming of new machine operations without readjusting the machine

Card 2/3

ACC NR: AP6036835

and, in the presence of a fast instruction memory, replace microprogramming. On the other hand, microprogramming -- in the presence of at least ten fast registers -- speeds up operations by a factor of 8-10 with respect to such noncomputational and increasingly important problems as theory of games, logic, pattern recognition, etc. [16]

SUB CODE: 09 / SUBM DATE: 18Jun66/ ORIG REF: 001

Card 3/3

GUTER, Rafail Samoylovich; ARLAZAROV, Vladimir L'vovich; USKOV, Anatoliy Vasil'yevich; REZNIKOVSKIY, P.F., red.

[Programming practices; a handbook] Praktika programmirovaniia; spravochnik. Moskva, Nauka, 1965. 211 p. (MIRA 18:4)

ARLAZOROVA, Ye.

Small "Skorokhod" shoe plant. IUn. tekh. 3 no.11:61-64 N '58.
(MIRA 11:12)
(Leningrad--Pioneers (Communist Youth))

ARLEYEVSKIY, I.P.

Extensive infarct of the anterior wall of the left ventricle in protracted septic endocarditis. Kaz.med.zhur. 40 no.6:88-89 N-D '59. (MIRA 13:5)

1. Iz 2-go terapevticheskogo otdeleniya (zav. otdeleniyem - L.V. Danovskiy) Leninogorskoy gorbol'nitsy (glavvrach - N.Sh. Khasanov).

(HEART--INFARCTION) (ENDOCARDITIS)

ARLEYEVSKIY, I.P. (Leninogorsk)

Case of an intermittent form of complete atrioventricular block in rheumatic endomyocarditis; abstract. I.P.Arleevskii. Kaz. med. zhur. no.1:106-107 Ja-F'61 (MIRA 16:11)

*

ARLINGER, J.

Meeting on new boring techniques in Spisska Nova Ves. p. 284. RUDY. (Ministerstvo hutniho prumyslu a rudnych dolu) Praha. Vol. 4, no. 9, Sept. 1956.

SOURCE: East European Accessions List, (EEAL), Library of Congress Vol. 5, no. 12, December 1956

ARLINSKIY, G.M.

Advances in the technology of contact lenses. Med.prom. 13 no.11:44 N '59. (MIRA 13:3)

(CONTACT LENSES)

ARLITEWICZ, J.

"Electric Railroads." p. 57 (HORYZONTY TECHNIKI, Vol. 6, No. 2, Feb. 1953) Warszawa

SO: Monthly List of East European Accessions, Library of Congress, Vol. 2, No.10, October 1953. Unclassified.

screw dislocations (left and right handed) ... pairs of
order, so that the dislocations in different slip planes will,
pairwise, have common frontal planes. The activation for
the generation of a dislocation pile-up ...
... applied stress to the ... energy ... and in the crystal before the ...

ARLOV, A.P.

POLAND/Chemical Technology - Chemical Products and Their Application, Part 4. - Cellulose and Its Derivatives, Paper. H-33

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 49019

Author : A.P. Arlov, B. Ivarsson
Inst :
Title : Effect of Paper Sheet and Drying Felt Tension on Mechanical Properties of Paper.

Orig Pub : Przegl. papiern., 1957, 13, No 5, 152-158, 3 (obl).

Abstract : The effect of the drying regime of paper sheet and drying felt tension on the mechanical properties of paper was studied. The installation for, and the methods of, experimenting are described.

Card 1/1

5

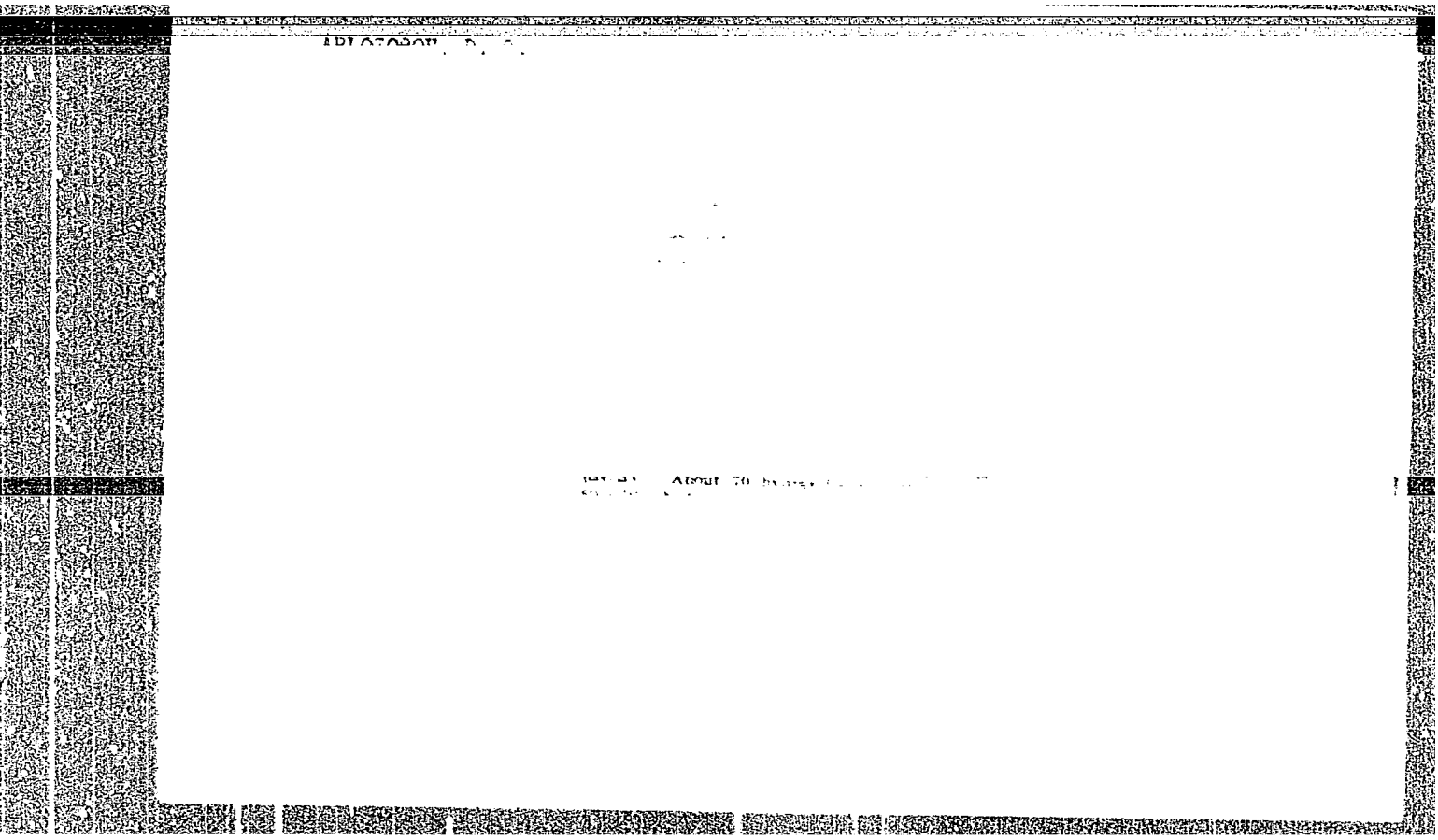
ARLOV, B.A.

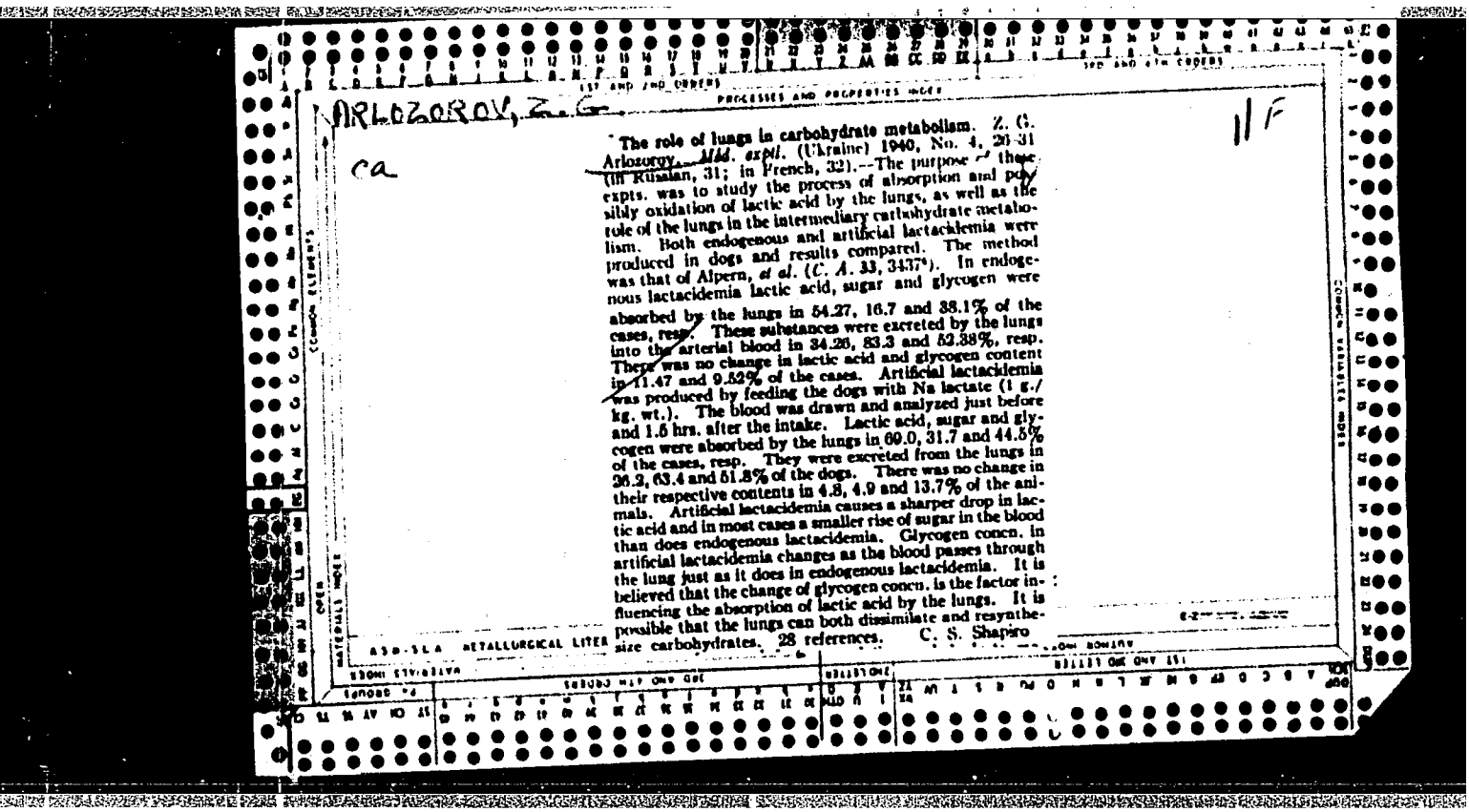
Application of the photographic recording method in interference studies. Usp.nauch.fot. 9:254-255 '64.
(MIRA 18:11)

ARLOZOROV, D. G.

ARLOZOROV, D. G. : "The synthesis of analogues of 'ftivazid' and an investigation of mechanism of their antibacterial action." Min Higher Education Ukrainian SSR. Khar'kov Order of Labor Red Banner State U imeni A. M. Gor'kiy. Khar'kov, 1956. (Dissertation for the Degree of Candidate in Chemical Sciences)

Source: Knizhnaya Letopis' No. 28 1956 Moscow.



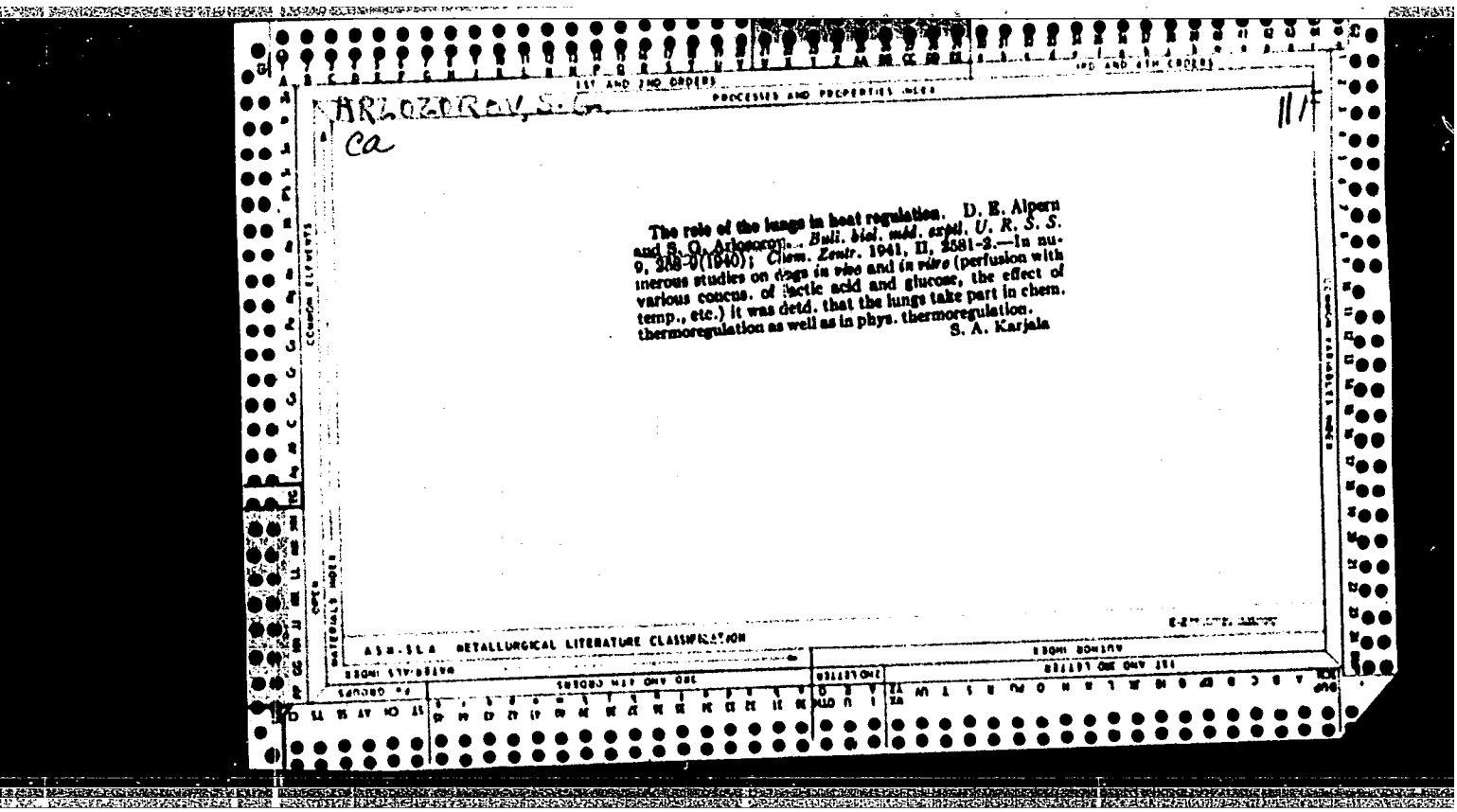


ARLOZOROV, Z. G.

ca

11 F

The role of lungs in carbohydrate metabolism. Z. G. Arlozorov. *Mitt. exptl.* (Ukraine) 1940, No. 4, 26-31 (in Russian, 31; in French, 32).--The purpose of these expts. was to study the process of absorption and possibly oxidation of lactic acid by the lungs, as well as the role of the lungs in the intermediary carbohydrate metabolism. Both endogenous and artificial lactacidemia were produced in dogs and results compared. The method was that of Alpern, *et al.* (*C. A.* 33, 3437⁶). In endogenous lactacidemia lactic acid, sugar and glycogen were absorbed by the lungs in 84.27, 16.7 and 38.1% of the cases, resp. These substances were excreted by the lungs into the arterial blood in 34.26, 83.3 and 52.38%, resp. There was no change in lactic acid and glycogen content in 11.47 and 9.52% of the cases. Artificial lactacidemia was produced by feeding the dogs with Na lactate (1 g./kg. wt.). The blood was drawn and analyzed just before and 1.5 hrs. after the intake. Lactic acid, sugar and glycogen were absorbed by the lungs in 69.0, 31.7 and 44.5% of the cases, resp. They were excreted from the lungs in 26.2, 63.4 and 51.8% of the dogs. There was no change in their respective contents in 4.8, 4.9 and 13.7% of the animals. Artificial lactacidemia causes a sharper drop in lactic acid and in most cases a smaller rise of sugar in the blood than does endogenous lactacidemia. Glycogen concn. in artificial lactacidemia changes as the blood passes through the lung just as it does in endogenous lactacidemia. It is believed that the change of glycogen concn. is the factor influencing the absorption of lactic acid by the lungs. It is possible that the lungs can both dissimilate and resynthesize carbohydrates. 28 references. C. S. Shapiro



ARLOZOROV, S. G.
ca

The role of the lungs in heat regulation. D. E. Alpern and S. G. Arlozorov. *Bull. biol. méd. exptl. U. R. S. S.* 9, 268-9(1940); *Chem. Zentr.* 1941, II, 2581-2.—In numerous studies on dogs *in vivo* and *in vitro* (perfusion with various concns. of lactic acid and glucose, the effect of temp., etc.) it was detd. that the lungs take part in chem. thermoregulation as well as in phys. thermoregulation.
S. A. Karjala

Name: ARLOZOROV, Zalman Gilevich

Dissertation: On early hemolysis of preserved blood

Degree: Doc Med Sci

Affiliation: Ukrainian Sci Res Inst of Blood Transfusion and Emergency Surgery

Defense Date, Place: 28 Nov 55, Council of Military Med Order of Lenin Acad imeni Kirov

Certification Date: 5 Oct 57

Source: BMVO 23/57

ARUTYUNOV, Z.G., starshiy nauchnyy sotrudnik; SHRAGO, M.I., nauchnyy sotrudnik; GAVRILOV, G.B.; OST, I.A.

Role of the nervous system in the mechanism of reactions following blood transfusions. Vop.perel.krovi 4:43-50 '55. (MLRA 9:12)
(NERVOUS SYSTEM) (BLOOD--TRANSFUSION)

MILOSTANOV, N.N., professor; ARLOZOROV, Z.G., starshiy nauchnyy sotrudnik; GLEMBOTSKAYA, O.V., nauchnyy sotrudnik

Changes in the capillaroscopic picture under the effect of transfusion of blood and its components. Vop.perel.krovi 4:58-69 '55. (MLRA 9:12)
(BLOOD--TRANSFUSION) (CAPILLARIES)

ARLOZOROV, Z.G., starshiy nauchnyy sotrudnik

Causes of early hemolysis of stored blood and ways to prevent it.
Vop.perel.krovi 4:215-230 '55. (MLRA 9:12)
(BLOOD—COLLECTION AND PRESERVATION)
(HEMOLYSIS AND HEMOLYSINS)

ARLOZOROV, Z.G., starshiy nauchnyy sotrudnik; GUDELYUK, O.K.; FREYMAN, G.I.

Resistance of erythrocytes from defibrinated blood during prolonged preservation. Vop.perel.krovi 4:242-248 '55. (MLRA 9:12)
(BLOOD--COLLECTIONS AND PRESERVATION)
(ERYTHROCYTES)

ARLOZOROV, Z.G., starshiy nauchnyy sotrudnik; ORLENKO, Yu.M., starshiy nauchnyy sotrudnik; LEKAREV, S.A., vrach

New method of preparing serum from the blood of donors with conservation of the globular mass for transfusions. Vop.perel.krovi 4:259-255 '55. (MLRA 9:12)

(SERUM) (COLLECTION AND PRESERVATION)

ARLOZOROV, Z. G.

"Transfusion of Leukocytic Mass During Leukopenia and Agranulocytosis," by Z. G. Arlozorov, senior scientific collaborator; A. P. Zalkina, senior scientific associate; M. I. Shrago, junior science associate; and L. Ye. Smirnova, junior scientific associate, Ukrainian Scientific Research Institute for Blood Transfusion and Emergency Surgery, Vrachebnoye Delo, No 10, Oct 56, pp 1105-1106

A total of 78 transfusions of leukocytes previously preserved were performed on 18 patients at 2- to 3-day intervals. The syringe contained 20-30 ml solution with 1.5-13.2 million leukocytes given intravenously and slowly.

Comparative studies before and after this therapy pointed to some increase of erythropoiesis and leukopoiesis. Repeated transfusions produced no ill effects except in one case.

The authors conclude that therapy by transfusion of leukocytic mass to patients suffering from agranulocytosis depends on the fact that, if agranulocytosis is connected with anemia and thrombopenia and the disease is of average severity, transfusion of leukocytic mass has favorable effects; but in severe cases where irreversible changes have occurred in the blood system such therapy seems ineffective.

Sum 1239

90. **Thromboplasmin Transfusion Effective in Treatment of Hemorrhage**

"Use of Thromboplasmin Preparation in Thrombopenias and Hemorrhages of Various Etiology," by Senior Scientific Associates Z. G. Arlozorov, R. A. Geshvantner, and Kh. P. Zalkina; and M. I. Shrago, Candidate of Medical Sciences, Ukrainian Institute of Blood Transfusion and Emergency Surgery, Novyy Khirurgicheskiy Arkhiv, No 1, Jan/Feb 57, pp 32-36

The authors give the results of an investigation of the effectiveness of thromboplasmin, suggested as a preparation for stopping hemorrhage by the Ukrainian Institute of Blood Transfusion (Z. G. Arlozorov, 1951). Patients suffering from pupura haemorrhagica and acute gastroduodenal hemorrhage were studied.

After the transfusion of thromboplasmin, especially when combined with internal administration of "vikasol" and ascorbic acid, an increase in the prothrombin level, platelet count, and decreased coagulation time and blood flow were noted, these findings being noted more frequently than when blood was transfused.

As a result of their findings, the authors recommend the use of thromboplasmin as a hemostatic measure in the treatment of hemophilia due to thrombocytopenia and hemorrhages of other etiology. (U)

ARLOZOROV, Z.G.

Convenient method for rapid separation of leukocytes and thrombocytes from glucose-treated and citrated blood for transfusion [with summary in English, p.66]. Probl.gemat. i perel.krovi 2 no.4:23-26 Jl-Ag '57. (MLRA 10:10)

1. Iz Ukrainskogo nauchno-issledovatel'skogo instituta perelivaniya krovi i neotlozhnoy khirurgii (dir. - dotsent Yu.M.Orlenko)
(BLOOD, PRESERVED,
separation of leukocytes & blood platelets from glucose-treated & citrated blood (Rus))
(LEUKOCYTES,
separation from glucose-treated & citrated blood for transfusion (Rus))
(BLOOD PLATELETS,
same)

ARLOZOROV, Z.G., doktor med.nauk, BROK, B.Z.

LE factor in the blood [with summary in English]. Probl.gemat. i perel. krovi 3 no.4:27-32 Jl-Ag '58 (MIRA 11:8)

1. Iz Ukrainskogo nauchno-issledovatel'skogo instituta perelivaniy s krovi i neotlozhnoy khirurgii (dir. - Yu.M. Orlenko), Nauchno-issledovatel'skogo instituta dermatologii i venerologii (dir. - dots. B.A. Zadorozhnyy) i Khar'kovskogo oblastnogo venerologicheskogo dispansera (glavnyy vrach M.I. Lisin).
(LUPUS ERYTHEMATOSUS, DISSEMINATED, LE phenomenon (Rus))

ARLOZOROV, Z.G., prof. (Khar'kov)

"Fundamentals of pathological physiology" by I.I.Fedorov. Reviewed by Z.G.Arlozorov. Vrach. delo no.4:153-154 Ap'63. (MIRA 16:7)

(PHYSIOLOGY, PATHOLOGICAL)
(FEDOROV, I.I.)

TITLE: Activation of regeneration processes by intra-arterial administration of leukocytes

ARLYUK, B.I.; TELYATNIKOV, G.V.; YUZHANINOV, I.A., rukovoditel' raboty; Prinimali uchastiye: KOROLEVA, A.A.; VDOVIN, L.V.

Material carried away from a fluidized bed. TSvet. met. 36 no.7:48-51 Jl '63. (MIRA 16:8)
(Fluidization) (Fly ash)

KRYLOV, V.I.; ADLYUK, T.N.

Convergence of quadrature processes containing the values of derivatives of integrable functions. Dokl. AN BSSR 7 no.11:721-723 N '63. (MIRA 17:9)

1. Institut matematiki i vyschislitel'noy tekhniki AN BSSR.

ARLYUK, B.I.

Dependence of the quality of fired materials on operating conditions of rotary kilns. Ogneupory 30 no.4:8-10 '65.
(MIRA 18:6)

1. Vsesoyuznyy alyuminiyevo-magniyevyy institut.

137-1958-1-89

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 1, p 16 (USSR)

AUTHOR: Arm, Ya. M.

TITLE: Make Fuller Use of New Equipment and Techniques During the Washing Season (Shire ispol'zovat' novuyu tekhniku i tekhnologiyu v promyvochnom sezone)

PERIODICAL: Kolyma, 1957, Nr 5, pp 11-12

ABSTRACT: Bibliographic entry

1. Mines--Equipment--Bibliography 2. Mines--Operation--Bibliography

Card 1/1

ARM, YA. M.

137-1958-2-2249

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 2, p 5 (USSR)

AUTHOR: Arm, Ya. M.

TITLE: Eliminating Deficiencies in the Gold-Recovery Process (Ustranit' nedostatki v izvlechenii zolota)

PERIODICAL: Kolyma, 1957, Nr 6, pp 11-14

ABSTRACT: Attention is focused on the deficiencies in, and violations of, prescribed washing practices at a number of precious-metal mines of the Western Administration of the Mining Industry. Corrective measures are discussed.

A.Sh.

1. Mining--Standards--USSR

Card 1/1

ROKNIC, Bojana; DORDEVIC, Jovan; ARMACKI, Zorica

Clinical picture of primary tuberculosis observed in the Dedinje Children's Hospital. Tuberkuloza, Beogr. 12 no.3:344-358 '60.

1. Decja bolnica za tuberkulozu pluca Dedinje, Beograd (upravnik: prim. dr.B.Roknic)
(TUBERCULOSIS PULMONARY in inf & child)

ROKNIC, Bojana; DORDEVIC, Jovan; ARMACKI, Zorica

Analysis of segmental and labor shadows in primary tuberculosis. Tuberkuloza, Beogr. 12 no.3:359-366 '60.

1. Decja bolnica za tuberkulozu pluca Dedinje, Beograd (upravnik: prim. dr B.Roknic)
(TUBERCULOSIS PULMONARY in inf & child)

FESIC, V.; DJORDJEVIC, J.; MAKSIMOVIC, V.; NIKOLIC, M.; BAJIC, R.; ARMACKI, Z.; SAVIC, N.

Tuberculosis in children under 2 years of age. Tuberkuloza 15 no.1:56-58 Ja-Mr '63.

1. Specijalna decja bolnica za tuberkulosu i bolesti pluca "Dedinje", Beograd - Upravnik: dr J. Djordjevic.
(TUBERCULOSIS IN CHILDHOOD) (STATISTICS)

S

PESIC,V.dr; DORDEVIC,J.dr.; NIKOLIC,M.dr.; MAKSIMOVIC,V.dr.; ARMACKI,Z.dr.; OJKIC,B.dr.; BAJIC,R,dr.; POROBIC,V.dr.; SAVIC,N.dr.

Use of hormonal therapy in the treatment of primary tuberculosis in children. Med.glas. 17 no.8:303-307 Ag-S'63

1.Specijalna decja bolnica za tuberkulozu i bolesti pluca "Dedinje", Beograd; upravnik: dr. J.Dordevic.

S

PESIC, Vladimir; ANTIC, Nikola; OJKIC, Borislav; ARMACKI, Zorica

Bronchiectasis in children. (Analysis of bronchographic findings). Med. pregl. 17 no.9:467-474 '64

1. Specijalna decja bolnica za tuberkulozu i bolesti pluca "Dedinje", Beograd (Upravnik: dr. Jovan Djordjevic); Gradska bolnica za grudobolne, "Bezanijska Kosa", Beograd (Upravnik: prim. dr. Ljubisa Ilic).

SLAVKOVIC, J.; ANNABASIC, M.; BRNDUSIC, Z.; PALUH, A.; VRCELJ, S.

Perforation of the septum in myocardial infarct. Acta med. Iugosl. 18 no.3:223-233 '64.

1. Interna klinika A Medicinskog fakulteta i Institut za patolosku anatomiju Medicinskog fakulteta u Beogradu.

SEMENOV, V.M.; ARMADEROV, R.G.

Effect of the position of the driving axle on loads in the transmission. Avt.prom. no.1:26-29 Ja '60.
(MIRA 13:5)

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

ARMADEROV, R.G.; SEMENOV, V.M., kand.tekhn.nauk

Reducing dynamic loads in transmissions of motortrucks. Avt.prom. no.9:23-26 S '60. (MIRA 13:9)

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

SEMENOV, V.M., kand.tekhn.nauk; ALIADEROV, R.G.

Resistance to motion of the ZIL-150 motortruck with extra-widelug -type or regular tires. Avt.prom. 27 no.10:16-21 O '61.(MIRA 14:10)

1. Nauchno-issledovatel'skiy avtomobil'nyy i avtomotornyy institut.

(Motortrucks—Dynamics)

SEMENOV, V.M., kand.tekhn.nauk; ARMADEROV, R.G., kand.tekhn.nauk

Determining the adhesive capacity factor of an elastic tire on a deformable surface. Avt.prom. 28 no.10:13-16 O '62. (MIRA 15:9)

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

SEMENOV, Vladimir Mitrofanovich; ARMADEROV, Rostislav Georgiyevich; ILARIONOV, V.A., red.; GALAKTIONOVA, Ye.N., tekhn. red.

[Operation of trucks under difficult road conditions] Rabota gruzovogo avtomobilia v tiazhelykh dorozhnykh usloviiakh. Moskva, Avtotransizdat, 1962. 178 p. (MIRA 16:5)
(Motortrucks)

ARMADEROV, B.G., kand. tekhn. nauk; KRESTOVNIKOV, G.A.; SEMENOV, V.M., kand. tekhn. nauk

Determining operating conditions of the 6 x 6-type motortruck. Avt. prom. 31 no.9:16-17 S '65. (MIRA 18:9)

1. TSentral'nyy nauchno-issledovatel'skiy ordena Trudovogo Krasnogo Znameni avtomobil'nyy i avtomotornyy institut.

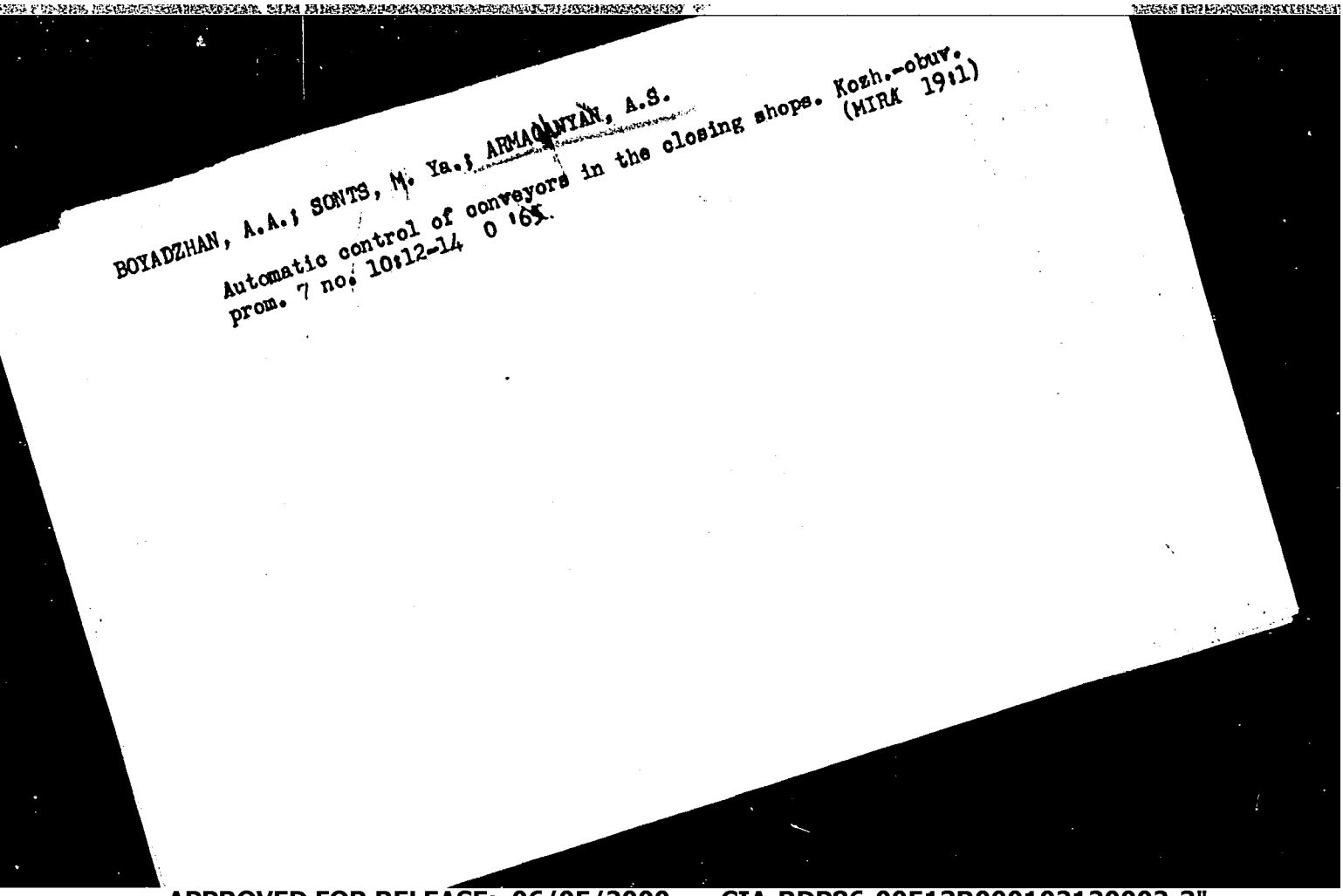
ARMAGANYAN, A.

Green light to glass fibers. Prom.Arm. 6 no.10:11-13 O '63.
(MIRA 17:1)

1. Ispolnyayishchiy obyazannosti glavnogo inzhenera sevanskogo zavoda "Elektrostkloizolyatsiya".

ARMAGANYAN, A.S.

Polychloropreme LNT-1 latex. Kozh.- obuv. prom. 7 no. 11:
25-28 N '65 (MIRA 19:1)



BOYADZHAN, A.A.; SONTS, M. Ya.; ARMAGANYAN, A.S.

Automatic control of conveyors in the closing shops. Kozh.-obuv. prom. 7 no. 10:12-14 O '65. (MIRA 19:1)

ARMAI, Istvan

Modern plant protection. Term tud kozl 5 no.5:228-230 My '61.

1. Zsambeki termelo-szovetkezeti-elnokkepzo iskola eloadoja, Zsambek.

ARMAI, Istvan, tudomanyos munkatars

Interaction of our cultivated plants and injurious insects. Elovilag 8 no.6: 34-37 N-D'63.

1. Orszagos Merogazdasagi Minosegvizsgalo Intezet.

ARMAN, I.P.; NEYFAKH, A.A.

Radiation study of the morphogenetic function of nuclei during the early development of acipenserid fishes. Dokl. AN SSSR 137 no.3:745-748 Mr '61. (MIRA 14:2)

1. Institut morfologii zhivotnykh im.A.N.Severtsova AN SSSR. Predstavleno akademikom Yu.A.Orlovym.
(EMBRYOLOGY—FISHES) (CELL NUCLEI)

ARMAN, I.P.

Frequency of prototrophic mutations in yeasts of different ploidy under the influence of irradiation. Radiobiologiia 4 no.5:731-737 '64. (MIRA 18:4)

ACCESSION NR: AP4010765 S/0020/64/154/001/0212/0215

AUTHOR: Arman, I. P.; Ardashnikov, S. N. (Deceased)

TITLE: Dependence of the yield of reverse biochemical mutations in yeasts on their ploidy under the action of various kinds of radiation

SOURCE: AN SSSR. Doklady*, v. 154, no. 1, 1964, 212-215

TOPIC TAGS: biochemical mutation, reverse biochemical mutation, mutation irradiation effect, haploid irradiation, diploid irradiation, yeast irradiation

ABSTRACT: It is known that the resistance of an organism to irradiation increases with an increase in the number of chromosome sets. It is believed that the protective mechanism of polyploidy consists of duplicating the function of the damaged section of the genome by the undamaged homologous structures. The authors have studied the changes of the genetic structure under the action of radiation; the reverse biochemical mutations were selected specifically. Strains of haploid and diploid yeasts were used. For irradiation, gamma rays

Card 1/2

ARMAN, I.P.; KUZNETSOVA, O.B.

Recovery of premutational states induced by radiation in yeast cells. Genetika no.1:89-99 '65. (MIRA 18:10)

1. Institut atomnoy energii im. I.V.Kurchatova AN SSSR, Moskva.

ARMAN, Kh.

Improve the standards of new designs. Zhil. stroi. no. 1:14-15 Ja '61. (MIRA 14:2)

1. Chlen-korrespondent Akademii stroitel'stva i arkhitektury SSSR, predsedatel' Gosstroya Estonskoy SSSR.
(Apartment houses)

ARMAND, ALESKANDR ALEKSANDROVICH, ed.

Zavodskie laboratorii tiazheloi promyshlennosti; sbornik Soveta zavodskikh laboratorii NKTP SSSR. Moskva, Sektor vedomstv. i zaochnoi lit-ry, 1935. 290 p. illus., ports., diagrs.

Includes: Machine-building industry.

Laboratories of heavy industry; symposium...

DLC: T177.R8A8

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

ARMAND, A A

Jan 1946

USSR/Flow, Hydrodynamics
Mathematics

"The Resistance of Two-Phase Flow through Horizontal Tubes," A A Armand, 7 pp

"Izv Vse Teplotekh Inst" Vol XV, No 1

Formulae deduced by author are shown to be applicable when tube diameter and physical parameters of the gaseous and liquid phases do not greatly vary from conditions of his experiments.

3124

AR'AND, A. A.

USSR/Boilers Apr 1947

"The Flow Resistance of a Steam-water Mixture through a Heated Boiler Tube at High Pressure," A. A. Armand and G. G. Tretchev, 5 pp

"Izv Teplotekh Inst" Vol XVI, No 4

Results of an investigation of flow resistance of a steam-water mixture in a horizontal tube 56/70 mm in diameter at various pressures. On the basis of experiments of the VTI and TsKTI with a horizontal tube 25.5 mm in diameter, formulae are deduced to calculate resistance for pressures, from 10 to 180 atmospheres. Fully illustrated with graphs, diagrams, and formulae.

5T13

AKOPYAN, Aleksandr Arkad'yevich; ARMAND, A.A., redaktor; VORONIN, K.P. tekhnicheskiy redaktor; LARIONOV, G.Ye., tekhnicheskiy redaktor.

[General thermodynamics] Obshchaia termodinamika. Moskva, Gos. energ. izd-vo, 1955. 696 p. (MLRA 8:8)
(Thermodynamics)

ARMAND, A.A.

"Issledovaniya mekhanizma dvizheniya dvukhfaznoy smesi v vertikal'noy trube," Hydrodynamics and heat transfer during boiling in high pressure boilers. (Gidrodinamika I teploobmen pri kipenii v kotlakh vysokoco davleniya). U.S.S.R. Academy of Sciences (Moscow: The Academy, 1955, 256pp.; abstr. in Teploenergetika (Heat Pwr Engng, Moscow), June 1956, 63). A collection of twelve papers describing experimental work on the movement of steam and water, the formation of steam and heat transfer in boiler tubes.

SOV/124-57-3-3264

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 3, p 90 (USSR)

AUTHOR: Armand, A. A.

TITLE: An Investigation of the Mechanism of the Motion of a Two-phase Mixture in a Vertical Pipe (Issledovaniye mekhanizma dvizheniya dvukhfaznoy smesi v vertikal'noy trube)

PERIODICAL: V sb.: Gidrodinamika i teploobmen pri kipenii v kotlakh vysokogo davleniya. Moscow, AN SSSR, 1955, pp 21-34

ABSTRACT: The author provides a description of test equipment used in the investigation of the flow of an air-water mixture in a vertical 26-mm diam tube and of tests performed on that equipment in which the resistance forces and the density of the mixture were measured. A number of empirical relationships, obtained from an analysis of the test data, are adduced.

V. A. Arkhangel'skiy

Card 1/1

DUDNIKOV, Yevgeniy Georgiyevich; ARMAND, A.A., redaktor; LARIONOV, G.Ye., tekhnicheskiy redaktor.

[Principles of the automatic control of heating processes] Osnovy avtomaticheskogo regulirovaniia teplovykh protsessov. Moskva, Gos. energ.izd-vo, 1956. 264 p. (MLRA 10:4)
(Automatic control) (Power engineering)

YAKADIN, Aleksey Ivanovich; ARMAND, A.A., redaktor; MEDVEDEV, L.Ya., tekhnicheskiy redaktor

[Operation of piston compressors] Ekspluatatsiia porshnevykh kompressorov. Moskva, Gos.energ.izd-vo, 1957. 246 p. (MLRA 10:9)
(Air compressors)

KUTATELADZE, Samson Semenovich; BORISHANSKIY, Veniamin Mironovich; MOCHAN, S.I., RED.: ARMAND, A.A., retsenzent; BERMAN, L.D., retsenzent; DOROSHCHUK, V.Ye., retsenzent; LEL'CHUK, V.L., retsenzent; PIROGOV, M.S., retsenzent; RYVKIN, S.A., retsenzent; SOKOLOV, Ye.Ya., retsenzent; ZABRODINA, A.A., tekhn.red.; LARIONOV, G.Ye., tekhn.red.

[Handbook on heat transmission] Spravochnik po teploperedache. Leningrad, Gos. energ. izd-vo, 1958. 414 p. (MIRA 12:1)
(Heat--Transmission)

ARMAND, A.A.

AUTHOR: None given.

96-1-30/31

TITLE: New Scientific Research Works of the All-Union Thermo-technical Institute (Novyye nauchno-isslodovatel'skiye raboty vsesoyuznogo teplotekhnicheskogo instituta)

PERIODICAL: Teploenergetika, 1958, Vol.5, No.1, pp. 93 - 94 (USSR).

ABSTRACT: This note briefly summarises the following three recent investigations:

A.A. Armand - Investigations on Unstable Heat Exchange. This is an investigation of the behaviour of heat exchangers under transient conditions. It considers the case of sudden changes in the temperature of heat-transfer medium at the inlet, in the temperature of the heating medium and in the rate of flow of heat-transfer medium.

N.V. Tarasova, A.A. Armand and A.S. Kon'kov - An Investigation on Heat Transfer in a Tube During Boiling of Underheated Water and a Steam-water Mixture. This gives an account of work carried out in 1956-57 in a vertical tube with rising and falling flows.

A.A. Armand, N.V. Tarasova and A.S. Kon'kov - An Investigation on Heat Transfer Near the Critical Condition. This is an account of experimental work carried out in 1953-55 at pressures ranging from 227 - 270 atm. It was established that in the

Card1/2

New Scientific Research Works of the All-Union Thermo-technical Institute.

super-critical region the heat-transfer coefficient depends on the temperature and is at a maximum at approximately the same temperatures as give maximum values of specific heat at constant pressure and Prandtl number. The usual formula for heat-transfer from the wall to the steam is not valid in the range of conditions examined.
There is 1 figure.

AVAILABLE: Library of Congress.

Card 2/2

ARMAND, A.A.

24(8) PHASE I BOOK EXPLOITATION SOV/3459

Moscow. Vsesoyuznyy teplotekhnicheskiy institut

Teploobmen pri vysokikh teplovykh nagruzkakh i drugikh spetsial'nykh usloviyakh; sbornik statey (Heat Exchange Under High Thermal Loads and Other Special Conditions; Collection of Articles) Moscow, Gosenergoizdat, 1959. 135 p. 4,000 copies printed.

Ed. (Title page): A. A. Armand; Ed. (Inside book): I. K. Korikovskiy; Tech. Ed.: G. I. Matveyev.

PURPOSE: The book is intended for personnel of scientific research institutes, planning and design organizations, and for power engineers.

COVERAGE: This collection of 9 articles presents the results of research conducted at the All-Union Heat Engineering Institute. Problems of heat exchange under high pressure and other special conditions are analyzed. Attention is devoted to special cases such as heat exchange from wall to water, including cases of ordinary and surface boiling; heat transfer to steam and water under supercritical parameters; heat exchange from pipe wall to gas under high pressure; and the hydraulic resistance of a heated tube. References are given at the end of each article.

Card 1/3

TABLE OF CONTENTS:

ARMAND, A. D. ARMAND, A.D.

10-58-2-26/30

The 4th Conference of Young Scientists of the Institute of Geography of the USSR Academy of Sciences 1957

ARMAND, A. D., "Problems concerning the formation of the relief of the Khibiny tundras; L.F. Kunitsyn on characteristic features of perennial frost in the northwest Siberian lowlands; N.S. Blagovolin on the morphology of karst occurences in the Aldan plateau; A.V. Yermakov on erosional waters in the Central Caucasus; A.A. Mints and B.S. Khorev on questions concerning economic-geographical typology of socialist cities exemplified by central industrial regions of the European part of the USSR; V.S. Mikheyeva on the typology of soil organization in the kolkhozes of the Trans-Oka region, Moscow Oblast'; B.S. Khorev on the industrial utilization of forests in connection with the construction of the Bratsk hydropower plant and the creation of an inundation zone; M.F. Khismatov on the utilization of mineral resources in northern Bashkiriya; K.N. Chernozhukov on the development of agricultural production and the utilization of tropic resources in South China; Ya.M. Berger on the industrialization of the Sin'tszyan-Uygurskaya Autonomous Oblast' (China); Yu.L. Pivovarov on the formation of the Ostrava industrial center (Czechoslovakia); A.A. Zasukhin on basic structural and geographical shifts in

Card 2/3

(Izv. Ak Nauk SSSR, Ser Geog, No. 2, 1958, p. 151-53, author Gerbunova, M.N.)

ARMAND, A.D.

Special characteristics of the stfucture of moraines on the Kola Peninsula in connection with flow phenomena. Izv.Kar. i Kol'.fil. AN SSSR no.3:36-42 '58. (MIRA 11:12)

1. Geologicheskiy institut Kol'skogo filiala AN SSSR.
(Kola Peninsula--Moraines)

ARMAND, A.D.; DORFMAN, M.D.

Origin of negative forms of relief of the Khibiny alkaline massif. Izv. Kar. i Kol'. fil. AN SSSR no.1:59-66 '59.
(MIRA 12:9)

1.Geologicheskiy institut Kol'skogo filiala AN SSSR.
(Khibiny Mountains--Physical geography)

ARMAND, A.D.

Alluvium transport and deposition in semimountainous river beds of the Vilyuy Basin and its significance in searching for mineral placers. Probl.Sev. no.3:16-23 '59.
(MIRA 13:4)
(Akhtaranda River--Alluvium)

ARMAND, A.D.

Brief geomorphological description of Umbozero. Izv.Kar.i Kol'. fil.AN SSSR no.3:48-59 '59. (MIRA 13:4)

1. Geologicheskiy institut Kol'skogo filiala AN SSSR.
(Umbozero Lake--Shore lines)

ARMAND, A.D.

Formation of the relief and Quaternary sediments of the Khibiny Mountains. Vop.geomorf. i geol.osad.pokr.Kol'.poluost. 1:32-84 '60. (MIRA 15:1)

(Khibiny Mountains--Geomorphology)

ARMAND, A. D., Cand Geog Sci -- (diss) "Progress in topography of Khibin and the Khibin area flatland. (Kol'skiy Peninsula)." Moscow-Apatity, 1960. 18 pp; (Academy of Sciences USSR, Inst of Geography, Kol'skiy Affiliate im S. M. Kirov); 150 copies; price not given; (KL, 27-60, 150)

ARMAND, A.D.

Recent data on the last glaciation of Kola Peninsula. Dokl.AN SSSR 138 no.4:890-892 Je '61. (MIRA 14:5)

1. Kol'skiy filial imeni S.M.Kirova, AN SSSR. Predstavleno akademikom D.I.Shcherbakovym.
(Kola Peninsula—Glacial epoch)

ARMAND, A.D.; ARMAND, N.N.; NIKONOV, A.A.

Special features of the history of recent glaciation in the northeastern part of Fennoscandia. Izv.AN SSSR.Ser.geog. no.2:55-60 Mr-Ap '63. (MIRA 16:4)

1. Geologicheskiy institut Kol'skogo filiala AN SSSR.
(Fennoscandia--Glacial epoch)

ARMAND, A.D.

Feedback and the self-development of relief. Vop. geog. no.63:49-63 '63. (MIRA 17:3)

GRAVE, M.K., kand. geogr. nauk, otv. red.; ARMAND, A.D., kand. geogr. nauk, red.; KLIMOCHKIN, V.V., kand. geol.-miner. nauk, red.; TOKAREVA, T.N., red.izd-va; SOROKINA, V.A., tekhn. red.

[Relief and geology of the sedimentary cover of the Kola Peninsula] Rel'ef i geologicheskce stroenie osadochnogo pokrova Kol'skogo poluostrova. Moskva, Izd-vo "Nauka," 1964. 132 p. (MIRA 17:1)

1. Akademiya nauk SSSR. Kol'skiy filial, Kirovsk.

ARMAND, A.D.

Final moraine formations in the Khibiny Mountains. Trudy Kom. chetv. per. 21:15-20 '63. (MIRA 16:10)

1. Kol'skiy filial AN SSSR.

ARMAND, D.L.; GERASIMOV, I.P.; DUMITRASHKO, N.V.; KORZHUYEV, S.S.; MESHCHERYAKOV, Yu.A.; MURZAYEV, E.M.

Sergei Vladimirovich Obruchev, 1891-1965; an obituary. Izv. AN SSSR. Ser. geog. no.6:143-144 N-D '65. (MIRA 18:11)

21456 AVAND, D L.

Obzor eksperimental'nykh i matematicheskikh metodov, primenyayemykh v geomorfologii.
Trudy Vtorogo Vsesoyuz. geogr. s"yezda. T. P.V., 1948, s. 25 - 34. Bibliogr. s. 33 -334

SO: Letopis' Zhurnal'nykh Statey, No. 29, Moskva, 1949

1. ARMAND, D. L.

2. USSR (600)

4. Geology and Geography

7. Five Weeks in South America. By L. Ye. Rodin. (Impressions of a Naturalist, Moscow, Geography Press, 1949). Reviewed by D. L. Armand. Sov. Kniga, No. 5, 1950.

9. [redacted] Report U-3081, 16 Jan. 1953. Unclassified.

ARMAND, D. L.

25607 ARMAND, D. . Zadachi Geografov V svilaz i s Planom Peredelki Prioroly Stepey. Voprosy Geografii SB 13, 1949, S. 21-78-- Gibliogr: S 76-78

So: Letopis' Zhurnal'Nykh Statey, Vol. 34, Moskva, 1949

ARMAND, D. L.

USSR/Climatology - Vegetation Correlations

Jan/Feb 50

"Experiment in the Mathematical Analysis of the Relation Between Vegetation Types and Climate," D. L. Armand, Inst Geog, Acad Sci USSR

"Iz v-s Geograf Obshch" Vol LXXXII, No 1, pp 19-51

Demonstrates at length value of math in showing correlations between types of vegetation and various climatol factors. Charts and tables give dependencies of vegetation types upon absorbed radiation, yearly pptn totals, and av yearly temp.

175T9

ARMAND, D. L., GVOZDETSKIY, N. A.,

Critique of a review by D. L. Armand, N. A. Gvozdetskiy, A. V. Zhivago of my book "Principles of Geomorphology." Vop.geog. 26, 1951.

SO: MLRA, April 1952.

ARMAND, D. L.

USSR/Geophysics - Transformation of Nature Nov 51

"New Problems and Methods of Soviet Geography During the Era of Fulfillment of the Stalin Plan for the Transformation of Nature," D. L. Armand

"Priroda" Vol XL, No 11, pp 17-26

Transformation of nature, planting of protective forest belts, migration of birds from forest to steppes, irrigation of dry areas, etc., can be accomplished only under a socialist government and not in capitalistic ones, where territories are sepd into small, private cages. The USSR has wide territories, where ameliorative methods will be applied.

207T45

ARMAND, D.

Laboratory in the steppe. Vokrug Sveta no. 5, 1952

SO: MLRA, July 1952.

D. ARMAND

"The principles of physicogeographical districting." Tr. from the Russian. p. 86. (ANALELE ROMANO-SOVIETICE. SERIA GEOLOGIE-GEOGRAFIE, Vol. 7, seria a II-a, no. 10, July/Aug 1952, Bucuresti, Rumania.)

SO: Monthly List of East Accessians, L. C., Vol. 2, No. 7, July 1953, Uncl.

D. ARMAND

"Present day problems of Soviet geography." Tr. From the Russian. p. 113
(ANALELE ROMANO-SOVIETICE. SERIA GEOLOGIE-GEOGRAFIE, Vol. 7, seria a II-a, no. 10, July/Aug. 1952, Bucuresti, Rumania.)

SO: Monthly List of East European Accessions, L. C., Vol. 2, No. 7, 1953, Uncl. July

ARMAND, D.L.

AVAKYAN, A.B.; BUDYKO, M.I.; YUDIN, M.I.; OCHAKOVSKIY, Yu.Ye.; DAVYDOV, M.M.; ARMAND, D.L.; FEDOROVICH, B.A.; ZUBOV, N.N.; ANTIPOR-KARATAYEV, I.N.; SAPOZHNIKOVA, S.A.; ALISOV, B.P.; POTEYEV, I.M.

Discussion of reports of the meeting. Vop.geog. 28:74-96 '52. (MLRA 7:5)

1. Gidroenergoproyekt Ministerstva elektrostantsiy (for Avakyan). 2. Glavnaya geofizicheskaya observatoriya im. A.I.Voyeykova (for Budyko and Yudin). 3. Institut okeanologii Akademii nauk SSSR (for Ochakovskiy). 4. Gidroenergoproyekt Ministerstva elektrostantsiy (for Davydov). 5. Institut geografii Akademii nauk SSSR (for Armand, Fedorovich, and Poteyev). 6. Geograficheskiy fakul'tet Moskovskogo gosudarstvennogo universiteta (for Zubov and Alisov). 7. Pochvennyy institut im. V.V. Dokuchayeva Akademii nauk SSSR (for Antipov-Karatayev, I.N.). 8. Glavnaya geofizicheskaya observatoriya im. A.I.Voyeykova (for Saposhnikova).

ARMAND, D. L.

USSR/Agriculture - Wind breakers

Card 1/1 : Pub. 86 - 7/34

Authors : Armand, D. L.

Title : The physical nature of the wind-breaking effect of forest lines

Periodical : Priroda 1, 64-70, Jan 1954

Abstract : The problems of hydrometeorological effectiveness of the field protecting nature of forest belts are discussed. The effect of forest lines on turbulent winds is explained. Table; drawings; illustrations.

Institution : .....

Submitted : .....

ARMAND, D.L.

Study of erosion in forest-steppe and steppe regions of the U.S.S.R. and the state of erosion control measures. Izv.AN SSSR, Ser.geog. no.2:3-14 Mr-Ap '54. (MLRA 7:5)

1. Institut geografii Akademii nauk SSSR. (Erosion)

Armand, D. L.

USSR/ Geography

Card 1/1 Pub. 45 - 1/14

Authors : Armand, D. L.

Title : Natural erosion process

Periodical : Izv. AN SSSR. Ser. geog. 6, 3 - 17 Nov-Dec 1955

Abstract : Scientific data are presented regarding normal and accelerated natural erosion processes. Thirty references: 27 Russian and USSR, 1 USA and 2 Germ. (1890-1955). Table; drawings.

Institution : Acad. of Sc., USSR, Inst. of Geography

Submitted : .....

USSR/ Agriculture - Soil conversation

Card 1/1 Pub. 86 - 4/36

Authors : Armand, D. L.

Title : Water erosion and ways of combatting it

Periodical : Priroda 44/6, 31 - 41, Jun 1955

Abstract : A discussion is presented of the so-called normal erosion, which plays an important role in the formation of river beds, valleys, and the lowering of elevated places, but is a negative factor in agriculture when it takes the form of soil erosion. A full analysis is given of the different kinds of soil erosion and situations under which it takes place, as well as the methods employed by Soviet authorities to combat it. One Soviet reference (1954). Illustrations; maps; diagrams.

Institution: .....

Submitted : .....