

KANAYAN, G.S.

Packing of argillaceous soils subject tot the action of a short-term multiple-rotation load. Izv. AN Arm. SSR. Ser. tekhn. nauk 18 no.1:43-48 '65. (MIRA 18:7)

1. Moskovskiy avtomobil'no-dorozhnyy institut.

KAMAYAN, M.R.; Gen Agr Sci—(Glas) "Productive use of local mountain-  
~~1957~~ *their first generation hybrids*  
~~high and low altitude~~ *with the large*  
altitude *stock* under conditions of *crop* production in the region." Yerevan,  
1958. 27 pp (Min of Agr USSR. Yerevan Univ-Vet Inst), 130 copies.  
(SI, 31-58, 105)

82-

KANAYAN, N. KH.

AID P - 3525

Subject : USSR/Power Eng  
Card 1/1 Pub. 26 - 19/30  
Author : Kanayan, N. Kh. and Yu. E. Khodzhamiryan, Engs.  
Title : ~~Testing an automatic ASU-11 synchronizer~~  
Periodical : Elek. sta., 19, 53-55, S 1955  
Abstract : Certain design defects found on the ASU-11 synchronizer tested at a hydro-power plant are described. The author contends further research is necessary before large scale manufacturing should be started. Two diagrams.  
Institution : None  
Submitted : No date

KANAYAN, N.Kh., inzhener; KHODZHAMIYAN, Yu.Ye., inzhener.

Automatic synchronizer with continuous angle of lead. Elek.sta.  
28 no.8:76-77 Ag '57. (MIRA 10:10)

(Electric generators)

ANEYAN, Kh.S.; KANAYAN, V.Z.

Experiment in the use of magnolite abrasive discs for cutting marble slabs.  
Bul.stroi.tekh. 10 no.12:18 J1 '53. (MIRA 6:8)

1. Zavod stroitel'nykh materialov Ministerstva Promyshlennosti Stroitel'-  
nykh Materialov Armyanskoy SSR. (Stonecutters)

KANALEV, A.

Wages for machine operators. Sov.profsoiuzy 18 no.14:23-24 J1  
'62. (MIRA 15:7)

1. Instruktor Otdela truda i zarabotnoy platy Tsentral'nogo Komiteta  
profesional'nogo soyuza rabochikh i sluzhashchikh sel'skogo khozyaystva  
i zagotovok.

(Agricultural wages) (Farm mechanization)

KANAYEV, A.

-For rural machine operators. Sov. profsoiuzy 19 no.7:30-31 Ap '63.  
(NIRA 16:4)

1. Instruktor Tsentral'nogo komiteta professional'nogo soyusa  
rabochikh i sluzhashchikh sel'skogo khozyaystva i zagotovok.  
(Farm mechanization) (Agricultural workers—Job descriptions)

KANAYEV, A.

For the aid of the workers' committee chairman. Sov. profsoiuzy  
19 no.15:37-39 Ag '63. (MIRA 16:8)

1. Instruktor Tsentral'nogo komiteta professional'nogo soyuza  
rabochikh i sluzhashchikh sel'skogo khozyaystva i zagotovok.  
(Agricultural wages)



KANAYEV, A.; TSAP, S.

Problems of improving the consumer service industries. Den. i kred.  
21 no.10:39-42 0 '63. (MIRA 16:10)

1. Nachal'nik otdela kreditovaniya mestnogo khozyaystva Moldavskoy  
respublikanskoy kontory Gosbanka (for Kanayev). 2. Starshiy  
inspektor planovo-ekonomicheskogo otdela Moldavskoy respublikanskoy  
kontory Gosbanka (for TSap).



KANAEV, A. A., jt. au.

Binary vapor installations; working process and construction of the equipment.  
Moskva, Gos. nauch.-tekh. izd-vo mashinostroitel. lit-ry, 1946. 282 p. (49-22339)

TJ780.L6

2559. STEAM JET COMPRESSORS IN PROCESS STEAM PLANT. Kanaev, A. A.  
 (Vestnik Mashinostroeniya, 1946, No.2/3, 76-81; Engrs' Digest,  
 Jan. 1947, p. 11-2).

This article deals with various aspects of the employment of steam jet compressors in process steam plants with by-product power generation. Plant diagrams illustrate several representative examples of the use of steam compressors for the purpose of increasing the pressure of steam supplied for process purposes. They include steam jet compressors: re-compressing the steam generated in the concentrator of a tomato canning factory; increasing the pressure of the exhaust of back pressure turbines; and used in combined heat and power plants. The relationship between injection coefficient and flow rate of the live steam is shown; injection coefficient characteristics, live steam consumption per ton of steam compressed and annual fuel economy obtained by substituting a steam jet compressor for a combined pressure reducing and desuperheating installation are plotted.

ASIA 51.4 METALLURGICAL LITERATURE CLASSIFICATION

Year	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	
ASIA 51.4																										

1141. NEW POWER PLANT CYCLES. Manayev, A. A.  
(Kotloturbostroyeniye (Boil. and Turbine Design),  
1947, (5), 24-28).

COMMON ELEMENTS  
COMMON VARIABLES INDEX  
MATERIAL INDEX  
ASME-ISA METALLURGICAL LITERATURE CLASSIFICATION  
LIST AND LETTERS  
LIST AND NUMBERS  
LIST AND LETTERS

PA 37/49T12

KANAYEV, A. A.

USSR/Electricity  
Power Plants, Mobile  
Turbines, Gas

Sep/Oct 48

"Mobile Gas-Turbine Electric Stations," A. A.  
Kanayev, Cand Tech Sci, Gen Sci Res Boiler and  
Turbine Inst imeni I. I. Polzunov, 4 pp

"Kotloturbostroy" No 5 8-12

Examines prospects of using gas turbines in mobile  
electrostations (on railways and afloat). Esti-  
mates weight, dimensions, and horsepower of mobile  
gas-turbine installations. Compares gas- and  
steam-turbine installations for mobile electric-  
power stations. Includes ten illustrations.

37/49T12

KAMANEV, A. A.

Ot vodianoi val'nitsy do avtomatnogo dvigatelia [From water mill to automatic engine].  
Moskva, Mashgin, 1953. 192 p.

SO: Monthly List of Russian Accessions, Vol 7, No 4, July 1954.

KANAYEV, A. A.

Moscow. Tsentral'nyy nauchno-Issledovatel'skiy kotloturbinnyy Istitut.  
Aerogidrodinamika (Aero-hydrodynamics, ed.by) Moskva, Mashgiz, 1954. 150 p. illus.,  
diagrs., tables (Its Kniga 27) Bibliography at the end of each chapter.

SO: N/5.  
613.35  
.M8



**KANAYEV, A.A.**, kandidat tekhnicheskikh nauk, redaktor; **BARSHTEYN**,  
I.K., kandidat tekhnicheskikh nauk, nauchny redaktor; **FETISOV**,  
F.I., zavednyushchiy redaktsiyey, inzhener; **DLUGOKARSKAYA**,  
Ye.A., tekhnicheskiy redaktor.

Computation and design standards for coal pulverizing machinery.  
[Trudy] TsKTI 24:3-275 '52. (MLRA 8:2)  
(Coal, Pulverised)

KUTATKHLADZE, S.S. Prinimala uchastiye: SHUMSKAYA, L.S., kand.tekhn.  
nauk. KANAYEV, A.A., kand.tekhn.nauk, retsenzent; KATSNEL'SON,  
B.D., kand.tekhn.nauk, red.; DLUGOKANSKAYA, Ye.A., tekhn.red.

[Heat transmission in condensation and boiling] Teploperedacha  
pri kondensatsii i kipenii. Izd.2., dop. i perer. Moskva, Gos.  
nauchno-tekhn.izd-vo mashinostr.lit-ry, 1952. 230 p.

(Heat--Transmission) (Condensation) (Ebullition) (MIRA 12:9)

<sup>Y</sup>  
KARAYEV, A. A., ed.

Topochnye ustroistva (Heating apparatus). Moskva, Mashiz, 1954. 256 p.

SO: Monthly List of Russian Accessions, Vol. 7, No. 7, Oct. 1954

KUKIBNYI, A.A.

KUKIBNYI, A.A., kandidat tekhnicheskikh nauk.

Energy and its utilization ("From watermills to atomic machines."  
A.A.Kanaev. Reviewed by A.A.Kukibnyi). Nauka i zhizn' 21 no.2:46-  
47 F '54.

(Power (Mechanics)) (Kanaev, A.A.)

(MLRA 7:2)

KANAYEV, A.A., redaktor.

Furnace design. [Trudy] TSKTI 26:3-255 '54.  
(Furnaces)

(MLRA 8:2)

KANAYEV, A. A.

N/5  
613.55  
.K2

Teploperedacha I Aerogidrodinamika (Heat Transfer and Aero-Hydrodynamics) Moskva, Leningrad, Mashgiz, 1955.

181 P. Illus., Diagr., Tables (Moscow. Tsentral'nyy Nauchno-Issledovatel'skiy Kotloturbinnyy Institut. Kniga 28)

KANAYEV, A.A.

LIBERMAN, L.Ya.; kandidat tekhnicheskikh nauk.; PEYSIKHIS, M.I., inzhener;  
KANAYEV, A.A., kandidat tekhnicheskikh nauk, redaktor; POL'SKAYA, R.G.,  
tekhnicheskiy redaktor

[Handbook on the properties of steels used in marine boiler and  
turbine building] Spravochnik po svoistva stalei, promeniemykh v  
kotloturbostroenii. Moskva, Gos.nauchno-tekhn.isd-vo mashinostroit.  
lit-ry. 1955. 195 p. (Leningrad. Tsentral'nyi nauchno-issledovatel'  
skii kotleturbinnii institut. [Trudy], vol. 29.) (MIRA 9:10)  
(Steel--Specifications) (Boilers, Marine) (Steam turbines)

KIRILLOV, I.I., prof.; KANTOR, S.A., prof., retsentsent; ~~KANAYEV, A.A.,~~  
kand.tekhn.nauk, retsentsent; YABLOCHIK, R.M., kand.tekhn.nauk, red.;  
MODEL', B.I., tekhn.red.

[Gas turbines and gas-turbine units] Gazovye turbiny i gazo-  
turbinnye ustanovki. Vol.2 [Gas-turbine units] Gazoturbinnye  
ustanovki. 1956. 318 p. (MIRA 12:3)

1. Beshitskiy institut transportnogo mashinostroyeniya (for  
Kirillov).

(Gas turbines)



KANAYEV, A.A., kandidat tekhnicheskikh nauk, redaktor; SOKOLOVA, L.V.,  
tekhnicheskiiy redaktor.

[Norms for calculating the strength of steam boilers] Normy  
rascheta elementov parovykh kotlov na prochnost'. Moskva, Gos.  
nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956. 79 p. (Lenin-  
grad. Tsentral'nyi nauchno-issledovatel'skii kotloturbinnyi in-  
stitut. Trudy, vol.31). (MLRA 10r8)

(Boilers)

KANAYEV, A.A., kandidat tekhnicheskikh nauk

Modern turbine and boiler designs abroad. Vest.mash.35 no.8:79-  
84 Ag'55. (MIRA 8:10)

(Turbomachines)

GEL'TMAN, A.E., kandidat tekhnicheskikh nauk; KANAYEV, A.A., kandidat tekhnicheskikh nauk; TSUKERMAN, R.V., kandidat tekhnicheskikh nauk.

Problems in the development of Soviet heat power engineering.  
Energomashinostroenie no.3:1-6 D '55. (MLRA 9:5)  
(Power engineering)

KANAYEV, A.A., kandidat tekhnicheskikh nauk.

Prospects for nuclear power plants in other countries. *Energo-*  
*maschinostroenie* no.1:27-32 0 '55. (MLRA 9:5)  
(Atomic power) (Nuclear reactors)

KANAYEV, Andrey Andreyevich; IOFFE, A.F., akademik, retsenzent; KIRILLOV,  
I.I., profesor, doktor tekhnicheskikh nauk, redaktor; STEPANCHENKO,  
N.S., redaktor izdatel'stva; TIKHANOV, A.Ya., tekhnicheskiy redaktor

[From water mill to atomic engine] Ot vodianoi mel'nitsy do atomnogo  
dvigatelia. Izd. 2-oe, dop. Moskva, Gos.nauchno-tekhn., izd-vo  
mashinostroit. lit-ry, 1957. 231 p. (MLRA 10:9)  
(Engines)

KANAYEV, A.A.

AKSYUTIN, Stepan Aleksandrovich; ~~KANAYEV, A.A.~~, kandidat tekhnicheskikh nauk, retsenzent; RAKOV, K.A., kandidat tekhnicheskikh nauk, retsenzent; KOMPEDKRATOV, I.Ya., doktor tekhnicheskikh nauk, professor, redaktor; MODEL', B.I., tekhnicheskii redaktor

[Outlook for the development of steam and gas turbines of electric power plants; thermodynamic, technical and economic studies] Perspektivy razvitiia parovykh i gazovykh turbin elektricheskikh stantsii; termodinamicheskie i tekhniko-ekonomicheskie issledovaniia. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1957. 219 p.

(Turbines)

(MLRA 10:10)

(Electric power plants)

KIRILLOV, I.I., professor; KANTOR, S.A., professor, retsenzent; KANAYEV, A.A.,  
kandidat tekhnicheskikh nauk; retsenzent; YABLONIK, R.M., kandidat  
tekhnicheskikh nauk, redakter; MOKHL' B.I., tekhnicheskiiy redakter.

[Gas turbines and gas turbines installations] Gazovye turbiny i gaso-  
turbinnye ustanovki. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.  
lit-ry. Vol.1.[Gas turbines and compressors] Gazovye turbiny i kom-  
pressory. 1956. 434 p. (MIRA 9:6)

1. Bezhitskiy institut transportnogo mashinostroyeniya (for Kirillov).  
(Gas turbines)

KANAEV, A.A.

AUTHOR: Kanaev, A.A., Candidate of Technical Sciences. 305

TITLE: Prospects of application of gas turbines in atomic power plants (From a paper presented at the Conference in the Academy of Sciences, U.S.S.R.). (Perspektivy primeneniya gazovykh turbin v atomosilovykh ustanovkakh (is doklada na konferentsii v an SSSR))

PERIODICAL: "Energomashinostroenie," (Power Machinery Construction), 1957, No. 2, pp. 27 - 30, (U.S.S.R.)

ABSTRACT: The author of this paper reviews exclusively Western practice on the basis of information released at the Geneva Conference in 1955 and published later in various Western journals.

5 figures. 9 references, 4 of which are Russian.



KANAYEV, A. A.

AUTHOR: Kanayev, A.A., Candidate of Technical Sciences 28-5-13/30

TITLE: New Parameter Series for Steam Turbines and Boilers (Novyye parametricheskiye ryady parovykh turbin i kotlov)

PERIODICAL: Standartizatsiya, 1957, # 5, p 53-56 (USSR)

ABSTRACT: The article contains information on the projects of standards to replace the existing ГОСТ s 3613-47 and 3678-47 for steam turbines and 3619-47 for boilers, as prepared by the Central Boiler-Turbine Institute imeni I.I. Polzunov (TsKTI), and on general development in Soviet boiler and turbine production.

The data on standardized steam turbines (type, designation, power in kw, and the steam parameters) are given in table 1; the turbines in parentheses are planned for 1965.

The nominal basic parameters for boilers are shown in table 4. The former lettering for pressure stages (A,B) has been abolished because now there are two standard stages of high pressure (90 and 130 atm) and three experimental stages of superhigh pressure (170, 220 and 300 atm). In the future, pressure stages may be raised to 350, 400, 450 atm, etc. It is not yet possible to include turbines of 300 megawatt and more into the power series or to standardize the near-critical (200-220 atm) and super-

Card 1/3

New Parameter Series for Steam Turbines and Boilers

28-5-13/30

the block system. Power plants of higher capacity will require relatively less labor, and the automated control of boilers, turbines and auxiliary equipment will also contribute to the reduction of kwh costs.

A type-project for a 1.200 megawatt block-type power plant was completed recently.

There are 4 tables.

ASSOCIATION: Central Scientific Research Institute for Boilers and Turbines  
(Tsentral'nyy nauchno-issledovatel'skiy kotloturbinnyy institut)

AVAILABLE: Library of Congress

Card 3/3

GEL'TMAN, A.E., kand.tekhn.nauk; KANAYEV, A.A., kand.tekhn.nauk; TSUKERMAN,  
R.V., kand.tekhn.nauk; BULANIN, V.I., kand.tekhn.nauk, nauchnyy  
red.; VLADIMIRSKIY, D.M., red.izd-va; GURDZHIYEVA, A.M., tekhn.red.

[Heat-power machinery manufacture in the sixth five-year plan]  
Teploenergomashinostroenie v shestoi piatiletke. Leningrad,  
Obshchestvo po rasprostraneniю polit.i nauchn.znaniy RSFSR,  
Leningr.otd-nie, 1958. 29 p. (MIRA 12:3)  
(Turbines) (Boilers)

21(9)

PHASE I BOOK EXPLOITATION SOV/1984

Kanayev, A. A.

Atomnyye elektrostantsii (Atomic Electric Power Stations) Leningrad,  
Ob-vo po rasprostraneniyu polit. i nauchnykh znaniy RSFSR, Leningr.  
otd-niye, 1958. 40 p. Errata slip inserted. 9,000 copies printed.

Sponsoring Agency: Obshchestvo po rasprostraneniyu politicheskikh i  
nauchnykh znaniy RSFSR, Leningradskoye otdeleniye.

Scientific Ed.: Ya.G. Dorfman, Professor; Ed. of Publishing House:  
D.M. Vladimirovskiy; Tech. Ed.: A.M. Gurdzhiyeva.

PURPOSE: This book is intended for the general reader interested in atomic  
power stations.

COVERAGE: The author explains briefly the structure of the atom and gives  
general information on nuclear physics, reactors, and atomic power stations.  
There are 13 Soviet references.

TABLE OF CONTENTS: None given; division of the book is as follows.

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KANAYEV A.A.

SOV/2179

PHASE I BOOK EXPLOITATION

25(2)

Gel'tman, Aleksey Eduardovich, Candidate of Technical Sciences,  
Andrey Andreyevich Kanayev, Candidate of Technical Sciences, and  
Rudol'f Vul'fovich Tsukerman, Candidate of Technical Sciences

Teploenergomashinostroyeniye v shestoy pyatiletke (Heat Power Machinery  
Manufacture in the Sixth Five Year Plan) Leningrad, 1958.  
49 p. Errata slip inserted. . 9,000 copies printed.

Sponsoring Agency: Obshchestvo po rasprostraneniyu politicheskikh i  
nauchnykh znaniy RSFSR, Leningradskoye Otdeleniye.

Scientific Ed.: V.I. Bulanin, Candidate of Technical Sciences; Ed.  
of Publishing House: D.M. Vladimirskiy; Tech. Ed.: A.M.  
Gurdzhiyeva.

PURPOSE: This pamphlet is intended for the general reader.

COVERAGE: The authors discuss the important role of the machin-

Card 1/3

Heat Power Machinery (Cont.)

SOV/2179

building industry in providing power stations with power-generating machinery, in order to fulfill the Sixth Five Year Plan in accordance with directives of the Twentieth Congress of the Communist Party of the Soviet Union. They also comment, in general terms, on the capacity of Soviet electric power stations, power-generating systems, and describe steam turbines, boiler installations, auxiliary equipment, and equipment for small electric power stations. No personalities are mentioned. There are no references.

AVAILABLE: Library of Congress (TJ 255.G4)

TABLE OF CONTENTS: None given. The book is divided as follows:

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GO/ec  
9-21-59

KANAYEV, A.A., kand.tekhn.nauk

Atomic power development in Great Britain. Energomashinostroenie  
4 no.2:43-48 F '58. (MIRA 11:4)  
(Great Britain--Atomic power plants)



КАНАУЕВ, А.А.

KANAYEV, A.A. kand. tekhn. nauk.

Using gas turbines in various branches of the national economy.

Vost. mash. 38 no.1:3-9 Ja '58.

(MIRA 11:1)

(Gas turbines)

KANAYEV, A. A.

21(4)

PHASE I BOOK EXPLOITATION SOV/2608

Andreyev, Pavel Alekseyevich, Andrey Andreyevich Kanayev, and Yevgeniy Danilovich Fedorovich

Zhidkometallicheskiye teplonositeli yadernykh reaktorov (Liquid-Metal Heat-Transfer Agents of Nuclear Reactors) Leningrad, Sudpromgiz, 1959. 383 p. Errata slip inserted. 4,000 copies printed.

Ed. (Title page): A.A. Kanayev; Ed. (Inside book): Ye. N. Shaurak; Scientific Ed.: S.A. Serdyukov; Tech. Ed.: N. V. Erastova.

PURPOSE: This book is intended for engineers and technologists working in plants and designing organizations and also, for students in power engineering and ship-building vuzes and tekhnikuns.

COVERAGE: The book contains information from foreign sources on the properties of liquid-metal heat-transfer agents of nuclear reactors. The following aspects of the subject are studied; heat capacity (liquid phase during boiling and condensation); interactions of liquid metals with structural materials; methods of removing im-

Card 1/7

Liquid-Metal (Cont.)

SOV/2608

purities from metals; structural characteristics of equipment and the operation of installations with liquid-metal heat-transfer agents. The introduction formulates requirements for heat-transfer agents and means of increasing the efficiency of atomic power stations operating on liquid-metal heat-transfer agents. A considerable part of the foreign data is contained in the "Liquid Metals Handbook" published in the United States. In cases where references for physical constants and other values are not cited in this book, they will be found in this handbook. The authors thank professor A.F. Alabyshev, Doctor of Physical Sciences, and A.V. Al'kimovich for his advice, and also N.N. Yevdokimova for technical assistance in drafting the illustrations. There are 171 references: 34 Soviet and 137 English.

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PART II. PLANNING AND OPERATION OF LIQUID-METAL SYSTEMS

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Card 7/7	TM/jb 11-23-59

KANAYEV, A. A.

Doc Tech Sci - (diss) "Thermodynamic and thermophysical characteristics of mercury-vapor power equipment." Moscow, 1961. 36 pp; (Gosplan USSR, Central Scientific Research Boiler-Turbine Inst imeni N. I. Polzunov); 270 copies; free; bibliography on pp 35-36 (41 entries); (KL, 7-61 sup, 229)



KANAYEV, Andrey Andreyevich; FEYNBERG, S.M., retsenzent; AL'KIMOVICH, A.V., inzh., retsenzent; KUDANOV, N.N., inzh., nauchnyy red.; SMIRNOV, Yu.I., red.; KAMOLOVA, V.M., tekhn. red.; SHISHKOVA, L.M., tekhn. red.

[Atomic power plants] Atomnye energeticheskie ustanovki. Leningrad, Sudpromgiz, 1961. 427 p. (MIRA 15:4)

1. Chlen-korrespondent Akademii nauk SSSR (for Feynberg). (Atomic power plants)

ACCESSION NR: AT4014062

S/3072/63/000/000/0078/0079

AUTHOR: Veyler, S. Ya.; Kanayev, A. A.

TITLE: Lubrication in the pressure processing of titanium alloys

SOURCE: Fiz. -khim. zakonomernosti deystviya smazok pri obrabotke metallov davleniyem. Moscow, Izd-vo AN SSSR, 1963, 78-79

TOPIC TAGS: alloy, titanium alloy, alloy pressure processing, lubrication, titanium alloy pressure processing, stamping lubricant, rolling lubricant

ABSTRACT: Hot and cold pressure treatment of titanium alloys presents great difficulties, since these alloys show a pronounced tendency to adhere to the instrument (matrices, draw plates, stamps, rollers) leading to their premature deterioration. In the pressure treatment of titanium alloys, the selection of the lubricant is a decisive factor. The authors discuss the tests that have been made with various coating materials and previous recommendations as to the proper choice of lubricants (and their method of application). The advantages and disadvantages of these suggestions are examined and analyzed briefly. The authors themselves carried out several experiments in the cold drawing of titanium alloy (VT-14) rods. These experiments showed that wax, with admixtures of sulfur or aluminum stearate, reduces the drawing effort to a third of that of oxidized paraffin. These data

Card 1/2

ACCESSION NR: AT4014062

Indicate that in the pressure treatment of titanium alloys, viscous lubricants should be used in combination with high-dispersion colloidal fillers or solid films capable of withstanding high pressures. Orig. art. has: 1 table.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 19Dec63

ENCL: 00

SUB CODE: ML

NO REF SOV: 005

OTHER: 001

Card 2/2

TRUSHLYAKOV, V.P.; BEREZHINSKIY, A.I.; SPIVAK, M.Ya.; FINOGYEV, I.A.;  
LIPETS, A.U.; AYZEN, B.G.; KOSTOVETSKIY, D.L.; BOLDZHI, K.I.;  
YAMPOL'SKIY, S.L.; FEDOTOV, D.K.; KIRILLOV, I.I.; OSHEROV, S.Ya.;  
FYSIN, V.A.; OGLOBLIN, G.A.; KANAYEV, A.A.; BULEGA, S.S.;  
BORUKHMAN, V.A.; IOEL'SON, V.I.

Inventions. Energ. i elektrotekh. prom. no.3:48-49 J1-S '64.  
(MIRA 17:11)

ACCESSION NR: AP40411A8

8/0020/64/156/004/0799/0802

AUTHOR: Kanayev, A. A.; Veyler, S. Ya.; Rebinder, P. A.

TITLE: Elastico-kinetic phenomena associated with friction under conditions of plastic deformation of metals

SOURCE: AN SSSR. Doklady\*, v. 156, no. 4, 1964, 799-802

TOPIC TAGS: elastic relaxation, drawing friction, plastic deformation, metal, pressure metal working, lubrication, cold metal working

ABSTRACT: The elastic relaxation (recovery) after pressing or drawing of metals is usually attributed to the elasticity of the working tools. However, the elastic recovery occurs even with rigid tools. The authors have previously shown that the recovery is affected by lubrication. The purpose of the present work was to obtain more information of the phenomena involved. Brass rods, partly hollow and partly solid, were pulled through a draw plate. The pulling was partway dry, and partway with a lubricant. It was found that elastic relaxation depends not only on the cold work of the surface layer of the specimen, but also on the uniformity of deformation of the inner layers. Lubrication decreases the tangential stress and

Card 1/2

ACCESSION NR: AP4041148

increases the normal stress. The drawing under lubrication is not accomplished by elongation of the grains, but by pressure. Orig. art. has: 4 figures.

ASSOCIATION: Institut fizicheskoy khimii, Akademii nauk SSSR (Institute of Physical Chemistry, Academy of Sciences SSSR)

SUBMITTED: 10Jan64

ENCL: 00

SUB CODE: MM

NO REF SOV: 005

OTHER: 001

Card 2/2

L 16396-65 BWT(m)/EPP(c)/EPP(n)-2/EWA(d)/EWF(t)/EWF(k)/EWF(b) Pp-1/Pp-1/  
 Pa-1 IJP(c)/SSD/AFWL/ASD(f)-2/ASD(m)-3 JD/EN/IG/DJ  
 ACCESSION NR: AP404991B S/0920/64/159/003/0541/0543

AUTHORS: Karayev, A. A.; Veyler, S. Ya.

TITLE: Effect of lubricating media on the limiting shear stresses during the drawing of metals

SOURCE: AN SSSR. Doklady\*, v. 159, no. 3, 1964, 541-543

TOPIC TAGS: Metal drawing, metal extrusion, molybdenum, copper, shear resistance, lubrication

ABSTRACT: Experimental results are reported on the influence of the deformation properties of a metal and of the physical-chemical

REPORT ON THE PHYSICO-CHEMICAL

Card 1/4

L16396-65  
ACCESSION NR: AP404991B

state of the surface. A 24 mm diamond die was used, and the samples were copper and molybdenum wires 0.25 mm in diameter. The drawing



Card 2/4

L 16396-65  
ACCESSION NR AP4049918

logical properties of the friction layer. At  $\tau_{min}$  the lubricating layer is a solid-like structural system, and the existence of such

ASSOCIATION: Institut fizicheskoy khimii Akademii nauk SSSR (Insti-  
tute of Physical Chemistry, Academy of Sciences SSSR)

SUBMITTED: 13 May 64

ENCL: 01

SUB CODE: MM

NR REF SCV: 005

OTHER: 000

Card 3/4

L 16390-65  
ACCESSION NR: NY4049918

ENCLOSURE: 01

0

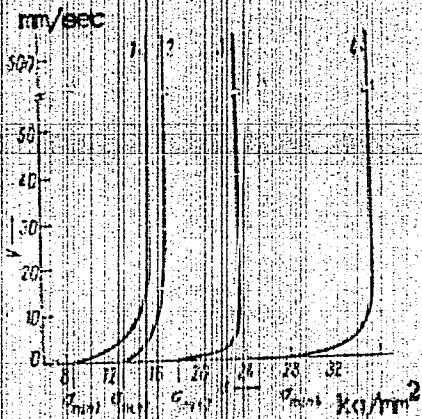


Fig. 1. Dependence of the drawing rate  $V$  on the drawing stress  $\sigma$  for copper in different lubricating media.

1 - Wax, 2 - mixture of fatty alcohols,  
3 - oleic acid, 4 - no lubrication

Card 4/4

L 5275-66 EWT(1)/KPA(a)-2/EWT(m)/EPF(c)/ETC/EPF(n)-2/ZVK(m)/EWP(t)/EWP(b) LJP(c)

ACC NR: AP5025683 JD/VV/JG SOURCE CODE: UR/0286/65/000/018/0030/0030

AUTHORS: Kanayev, A. A.; Gel'man, L. I.; Kopp, I. Z. 44/55 68 23

ORG: none

TITLE: A method for intensifying heat exchange during boiling of mercury. Class 17, No. 174643 /announced by Central Scientific Research Boiler and Turbine Institute imeni I. I. Polzunov (Tsentral'nyy nauchno-issledovatel'skiy kotlo-turbinnyy institut) 44/55 27

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 18, 1965, 30

TOPIC TAGS: mercury, heat exchange

ABSTRACT: This Author Certificate presents a method for intensifying heat exchange during boiling of mercury. To increase the intensity of heat flow, the heat exchange surface is kept in contact with mercury up to the temperature of 600-800C. This temperature is maintained for over 25 hours.

SUB CODE: TD/ SUBM DATE: 10Aug64/ ORIG REF: 000/ OTH REF: 000

Card 1/1 (30) UIC: 621.565.94:536.248.2:669.79

L 2783-56 EWT(m)/EWP(w)/EWP(k)/I/WP(e)/ITI IJP(c) JD/NW/DJ

ACC NR AP6015612 (N) SOURCE CODE: UR/0020/66/168/002/0328/0331

AUTHOR: Kansyev, A. A.; Veyler, S. Ya.; Likhitman, V. I.; Rebinder, P. A. (Academician)

ORG: Institute of Physical Chemistry, AN SSSR (Institut fizicheskoy khimii AN SSSR)

TITLE: Relaxation phenomena in metal plastic deformation under friction

SOURCE: AN SSSR. Doklady, v. 168, no. 2, 1966, 328-331

TOPIC TAGS: metal deformation, plastic deformation, stress relaxation, lubricant surface active agent

ABSTRACT: The relaxation phenomena in metal specimens, a copper rod 10.6 mm in diameter drawn through a die 10 mm in diameter, and a copper ball 9.6 mm in diameter calibrated (i.e., forced through a tube 9 mm in diameter) have been studied. The deformation was done with and without surface-active and nonsurface-active (copper oleate, vaseline and a mixture of vaseline + 3% oleic acid) lubricants. Results showed that surface-active lubricants intensify relaxation processes in the surface layers of the deformed metal and that their effect on the relaxation kinetics depends on the stress state of the surface layer. Surface-active lubricants accelerate relaxation in drawing (compared with dry drawing). In dry calibration, practically no metal relaxation occurs. In this case, surface-active lubricants activate the relaxation and reduce residual stresses. In prolonged holding of the specimens under stress (about 200 hr) in both drawing and calibration, the axial stress (the pulling or

55  
54  
B

Card 1/2

UDC: 531.44+539.621

L 27825-66

ACC NR: AP6015612

pushing force), under the action of relaxation, decreases to a certain minimum stress, which depends on the conditions at the contact surfaces. (This minimum stress corresponds to a minimum shear stress required for shear plastic deformation in the friction layer. The normal pressure on the die wall also slightly decreases, with the decrease approximating the relaxation curve. Orig. art. has 3 figures. [MS]

SUB CODE: 11/ SUBM DATE: 09Feb66/ ORIG REF: 004/ ATD PRESS: 5003

Card 2/2

PB

L. GAGN - 6? EWTGEE/SWPIW/SWPIE/SWPIE/SWPIE

EM/DJ/GD

ACC NR: AT6030386

SOURCE CODE: UR/0000/66/000/000/0158/0162

AUTHOR: Kanayev, A. A.; Veyler, S. Ya.

46  
44  
B+1

ORG: none

TITLE: Effect of friction conditions on elastic kinetic properties in the pressure working of metals

SOURCE: AN SSSR. Nauchnyy sovet po treniyu i smazochnym materialam. Novoye v teorii treniya (Recent developments in the theory of friction). Moscow, Izd-vo Nauka, 1966, 158-162

TOPIC TAGS: metal friction, elastic deformation, solid kinetics, work hardening

ABSTRACT: It has been established previously that a change in the boundary conditions (introduction of a lubricating medium) brings about an increase in the elastic recovery in a metal after deformation, in the course of various processes for the pressure working of metals. In the present study, the effect of lubricants on the elastic recovery was investigated by drawing copper and brass (L-62) samples through a die with an opening diameter of 10 mm. The samples were made from rods with a previous deformation of 15-20%. The configuration of the samples was such that it was possible to immediately bring together two samples, solid and hollow, for a comparison of their elastic recovery, as a function of the degree of deformation. The outside diameter of

Card 1/2

L 06080-67

ACC NR: AT6030386

2

the samples and the inside diameter of the opening was varied in each series of experiments. The lubricant was a sodium oleate paste containing 50% water. The elastic recovery was determined as the difference in the diameter of the sample at a corresponding cross section and diameter of the wire.<sup>17</sup> The measurements showed that, in general, a drawn sample has different diameters and, consequently, a different elastic recovery at three characteristic cross sections. Curves are given, based on the experimental data, which show the dependence of the elastic recovery on degree of deformation and on friction conditions. The experiments indicate also that an increase in the elastic recovery leads to a rise in the radial stress. Orig. art. has: 3 figures. <sup>26</sup>

SUB CODE: 11/ SUBM DATE: 22Feb66/ ORIG REF: 004/ OTH REF: 001

Card 2/2 *epk*



L 06079-67 EWI(m)/EWP(w)/EWP(t)/ETI/EWP(k) LJP(c) JD/HW/JG/DJ/GD

ACC NR: AT6030387

SOURCE CODE: UR/0000/66/000/000/0163/0167

AUTHOR: Kanayev, A. A.; Veyler, S. Ya.

51  
48

ORG: none

B+1

TITLE: Effect of lubricating media on the limiting shear stresses in the zone of contact between a deformed metal and an instrument

SOURCE: AN SSSR. Nauchnyy sovet po treniyu i smazochnym materialam. Novoye v teorii treniya (Recent developments in the theory of friction). Moscow, Izd-vo Nauka, 1966, 163-167

TOPIC TAGS: metal friction, lubricant property, shear stress

ABSTRACT: The aim of the work was to study the effect of deformation properties of a metal and the physical and chemical properties of a lubricating medium on the rheological properties of the system. The following experiments were made. On a horizontal beam there was fixed a diamond draw plate with an opening 0.24 mm in diameter. The samples being investigated were passed through this draw plate. The samples were made of calibrated copper and molybdenum wire with a diameter of 0.26 mm. The drawing was effected by the action of a load attached to the stretched end of the wire. The weight of the load could be varied within the required limits. By varying the weight of the load and determining the drawing rate V, it is possible to construct

Card 1/2

L 06079-67

ACC NR: AT6030387

graphs of  $V = f(\sigma)$ ;  $\sigma = P/S$ , where P is the <sup>6</sup>drawing force, and S is the area of a transverse cross section of the deformed wire. Based on the experimental data, a figure shows curves of  $V = f(\sigma)$  for the drawing of copper and molybdenum samples, in lubricating media and dry. It was observed that, in each case, there was a minimum stress  $\sigma_{min}$  at which plastic deformation does not take place, even after a sufficiently long period of time (up to 100 hours). This value is completely determined and depends on the plastic properties of the deformed metal, as well as on the physical and chemical properties of the lubricating medium. The tests also showed that with repeated passes of the wire through the die, there is a gradual decrease in the value of  $\sigma_{min}$  down to a certain minimum value which remains unchanged with further passes of the wire. This is evidently connected with the relaxation of the normal elastic stresses in the deformed metal. As the number of passes of the wire increases, the difference between the values of  $\sigma_{min}$  for different lubricants " decreases. Orig. art. has: 2 figures. 3

SUB CODE: 11/ SUBM DATE: 22Feb66/ ORIG REF: 006

Card 2/2 *exp.*

KANAYEV, A.F.

Vlasov, I.I., Kanayev, A.F. and Sheps, N.F. "Extended storage of fresh tomatoes," Sbornik nauch. rabot (Nauch.-issled. in-t trgovli i obshchestv. pitaniya), Moscow 1949, p. 137-43, - Bibliog: 2 items

SO: U-5241, 17 December 1953 (Letopis 'zhurnal 'nykh Statey, No. 26, 1949)

KANAYEV, A.F.; CHEKOTILLO, A.M.; KOLOSKOV, P.I., doktor geogr. nauk, prof.,  
otv. red.; KUDASHEV, A.I., red. izd-va; SIMKINA, Ye.N., tekhn. red.

[Cold storage installations made of ice and their use] Ledianye sklady  
i ikh ispol'zovanie. Moskva, Izd-vo Akad. nauk SSSR, 1952. 110 p.  
(Icehouses) (Cold storage)

KANAYEV, A. F.

666 Ledyanyye sklady dlya ichraneniya produktou sel' skogo khozyaystva. M., 120-vo Akad. nauk SSSR. 1954. 100s s ill. i kart.: 7L. chert. 20 sm. (Akad. nauk SSSR. nauch. popul. seriya. "V pomoshch' sel'skomu Khozyaystva" 1 n-t merzlotouedeniya M. V. A. Obrucheva). 5.000 ekz. lr. 70k. - bibliogr. V. kontse knigi (11 nazu.)- (54-55543) p. 635:658.78 + 621.565) : 69 + (016.3)

SO: Knizhnaya Letopis, Vol 1, 1955

KANAYEV, A. I.

Pike

Biological methods of raising pike in carp ponds, Ryb. khoz, 28, No. 7, 1952.

Monthly List of Russian Accessions, Library of Congress November 1952. UNCLASSIFIED

KANAYEV, A. I.

Parasites - Fishes

Increasing the effectiveness of anti-parasitic baths of 5% salt solution.  
Ryb. khoz. 29 no. 1, 1953

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

KANAYEV, A. I.

KANAYEV, A. I. "Karyophyllosis in the Carp." Moscow Technical Inst  
of the Fish Industry and Economy imeni A. I. Koyan.  
Moscow, 1956. (Dissertation for the Degree of Candidate  
of Biological Science)

So: Knizhaya Letopis', No. 17, 1956.



KANAYEV, A. I. and NAUMOVA, A. M.

"The Use of Liquid Chlorine in Combatting Fish Ectoparasites During Winter Epizootics."

Tenth Conference on Parasitological Problems and Diseases with Natural Reservoirs, 22-29 October 1959, Vol. II, Publishing House of Academy of Sciences, USSR, Moscow-Leningrad, 1959.

Kaliningrad Technical Institute of the Fishing Industry and Fisheries

KANAYEV, A.I.; LYAYMAN, E.M.

Epizootic condition of fish stocks on pond fish farms of the  
R.S.F.S.R. Trudy sov.Ikht.kom. no:9:28-33 '59.

(MIRA 13:5)

1. Vserossiyskiy nauchno-issledovatel'skiy institut prudovogo  
rybnogo khozyaystva i Moskovskiy tekhnicheskoy institut rybnoy  
promyshlennosti i khozyaystva imeni A.I.Mikoyana.  
(Carp--Diseases and pests)

KANAYEV, A.I.

Introduction of new methods for controlling fish diseases  
on fish farms of the R.S.F.S.R. Trudy sov. ikht. kom.  
no.14:201-206 '62. (MIRA 15:12)

1. Vserossiyskiy nauchno-issledovatel'skiy institut prudovogo  
rybnogo khozyaystva (VNIIPRKh).  
(Fishes—Diseases and pests)

NAUMOVA, A.M.; KANAYEV, A.I.

Treatment of coccidiosis in carp. Vop. ikht. 2 no. 4: 749-751 '62.

(MIRA 16:2)

(Carp--Diseases and pests)

(Coccidiosis)

KANAYEV, A.I.

Measures for the prophylaxis of fish diseases. Veterinariia 41  
no.8:94-95 Ag '64. (MIRA 18:4

1. Vsesoyuznyy institut eksperimental'noy veterinarii.

MIRONOV, Aleksandr Yevgen'yevich; KANAYEV, Aleksey Pavlovich

[The republic's tomorrow; the story of the seven-year plan for developing the national economy of White Russia] Zavtrashnii den' respublik; rasskaz o semiletнем plane razvitiia narodnogo khoziaistva Belorusskoi SSR. Minsk, Gos.izd-vo BSSR, 1959.  
50 p. (MIRA 13:12)

(White Russia--Economic policy)

KANAYEV, P.S., inzh.

Ice layers on highways. Avt.dor. 24 no.9:6 S '61.

(MIRA 14:10)

(Roads--Frost damage)

KANAYEV, G.

The International Confederation of Free Trade Unions excuses the  
aggressors. Sov. profsojuzy 6 no. 11:64-65 S '58. (MIRA 11:10)  
(Near East--Politics)



KANAYEV, G.

Strengthen workers' unity in the struggle for peace. Sov.  
profsoiuzy 17 no.6:42-44 Mr '61. (MIRA 14:3)  
(World politics) (World Federation of Trade Unions)  
(Peace)

KANAYEV, G.

Unity is the banner of African workers. Sov.profsoiuzy 17  
no.22:34-35 N '61. (MIRA 14:10)  
(Africa—Politics and government)  
(Africa—Trade unions—Congresses)

KANAYEV, G.G.; STUNEYEV, V.V.

Maintenance of devices of routing and relay centralization. Avtom.,  
telem. i sviaz' no.9:22-26 '57. (MIRA 11:4)

1. Nachal'nik Ryazhskoy distantzii signalizatsii i svyazi Moskovsko-  
Ryazanskoy dorogi (for Kanayev). 2. Starshiy inzhener Ryazhskoy  
distantzii signalizatsii i svyazi Moskovsko-Ryazanskoy dorogi (for  
Stuneyev).

(Railroads--Signaling--Block system)

KANAYEV, G.G.

Improve living conditions. Avtom., telem. i sviaz' 2 no.5:40 My '58.  
(MIRA 11:5)

1. Nachal'nik Ryazhskoy distantzii signalizatsii i svyazi Moskovsko-Ryazanskoy dorogi (for Kanayev). 2. Sekretar' partiynoy organizatsii Ryazhskoy distantzii signalizatsii i svyazi Moskovsko-Ryazanskoy dorogi (for Ushakov).

(Railroad--Employees)

KANAYEV, Georgiy Yelisayevich; VARSHAVSKIY, A.S., red.; IGNAT'YEV, V.A.,  
tekhn. red.

[Trade-union movement in Morocco] Profsoiuznoe dvizhenie v  
Marokko. Moskva, Profizdat, 1962. 93 p. (MIRA 15:6)  
(Morocco--Trade unions)

VARSHAVSKIY, A.S.; SMIRNOV, I.A.; BATISHCHEV, V.A.; KANAYEV, G.Ye.;  
CHUYKO, F.M.; VETROV, V.D.; YURIN, B.A., red.; KOROBOVA,  
N.D., tekhn. red.

[Handclasp of millions] Rukopozhatie millionov. [By] A.S.  
Varshavskii i dr. Moskva, Profizdat, 1962. 270 p.  
(MIRA 16:4)

1. World Trade Union Congress. 5th, Moscow, 1961.  
(Trade unions--Congresses)

KANAYEV, I.I.

Investigating the objective of the 26-inch refractor at the  
Main Astronomical Observatory of the Academy of Sciences of  
the U.S.S.R. Izv. GAO 22 no. 1:176-179 '60. (MIRA 13:12)  
(Telescope)

KANAYEV, I.I.; VAN' LAY [Wan Lai]

Results of the investigation of the KIM-3 No.550,002 co-  
ordinate-measuring instrument. Izv. GAO 22 no. 1:180-183  
'60. (MIRA 13:12)

(Micrometer)





PROCEDURES AND PROPERTIES INDEX

A-4

BC

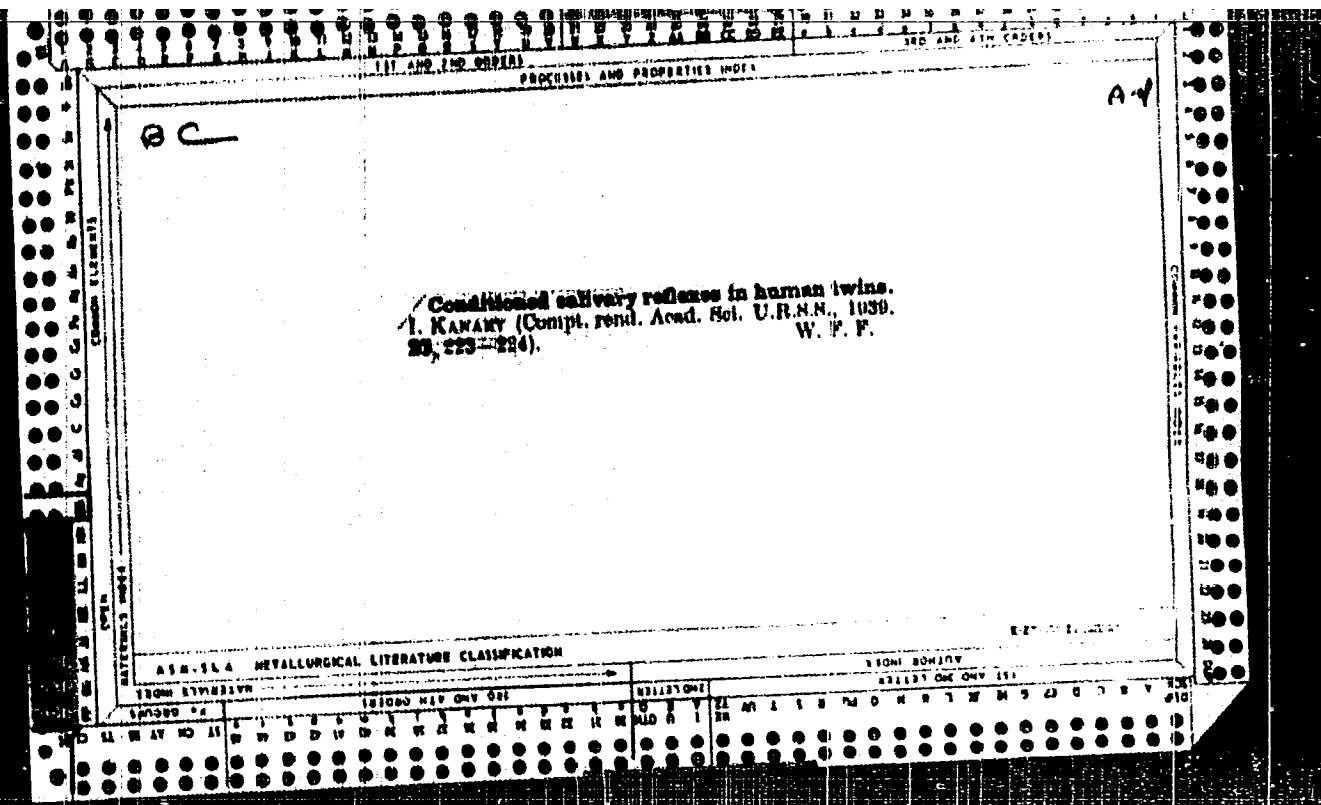
**Unconditioned salivary reflexes in human twins. I. KAWAY (Compt. rend. Acad. Sci. U.R.S.S., 1939, 28, 218-222).—Unconditioned salivation from the parotid gland provoked by cranberries was studied. Large individual variations were recorded, and remained stable for 2-3 years. W. F. F.**

METALLURGICAL LITERATURE CLASSIFICATION

FROM SOURCE

SELECT ONE ONLY

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z  
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50







KANAYEV, I. I.

PA 36<sup>1</sup>37

USSR/Medicine - Chromosomes  
Medicine - Heredity

Jul 1946

"Crossing over of Chromosomes in Humans," I. I.  
Kanayev, 1 1/2 pp

"Priroda" No 7

This phenomena of crossing over has been very thoroughly studied in Drosophila. Recently this same phenomena was noticed in other organisms. However, a study of this phenomena in human beings is difficult in that it is impossible to obtain the required cytological material. Some work was done, however, based on the hereditary transmission of two diseases - haemophilia and Daltonism. Gives a short description of the experiments and the conclusions which were reached.

36137

KANAYEV, I. I.

USSR/Medicine - Microorganisms  
Medicine - Transplantation

Apr 1948

"The Problem of the 'Organizer' in Hydra," Prof I. I.  
Kanayev, 1 p

"Priroda" No 4

Describes experiments on subject carried out by T. Yao,  
Chinese scientist ("Jour of Experimental Biol," 1945).  
Method used was transplantation of hypostomes. Or-  
ganizer problem still unsolved.

78153

KANAYEV, I. I.

PA5/49188

USSR/Medicine - Biology  
Medicine - Marine Organisms

May 48

"Regulating Processes in Hydrozoic Polyps," Prof  
I. I. Kanayev, 1 $\frac{1}{2}$  pp

"Priroda" No 5

Describes experiments of L. Beadle and F. Booth on  
subject (Jour of Experimental Biol, Vol 15, No 3,  
1938).

5/40788



KANAYEV, I. I.

PA 41T57

USSR/Medicine - Nervous Systems  
Medicine - Heredity

Jan/Feb 1948

"Experimental Genetics of the Higher Nervous Activity  
in Man," I. I. Kanayev, Leningrad, 7 pp

"Uspekh Sovremen Biol" Vol XXV, No 1

I. P. Pavlov studied the genetics of higher nervous reactions in connection with his studies of the types of nervous systems, using a genealogical method. This method cannot be used to study the higher nerve reactions in man, however, so author discusses the results of experiments he conducted on the genetics of the higher nerve reactions in man by means of a comparative study of the actions of twins.

LC

41T57

KANAYEV I. I. PROF.

PA 11/49T6

USSR/Agriculture  
Agronomy  
Bibliography

Mar 49

"Review of Scientific Periodical Notes of the  
Main Administration for Forest Preserves of the  
RSFSR (No 10)," Prof I. I. Kanayev, 1 p

"Priroda" No 3

At present, there are 36 state forests in the  
RSFSR, with an area of more than 9 1/2 million hec-  
tares. Articles by Trofimov, Nasilovich,  
Arsen'yev, Pravidin, Asman, and Preobrazhenskiy  
review work of state forests in botany, zoology,  
hydrobiology, and climatology. Special problems  
44/49T6

USSR/Agriculture (Contd)

Mar 49

discussed are: girdling (Mikhayev and Dement'yev),  
acclimatization (Arsen'yev), numerical growth of  
protected animals (Gorokhov), and reacclimatiza-  
tion of beaver (Arsen'yev).

44/49T6

KANAYEV, I. I.

20631 Kanayev, I. I. Novaya Klassifikatsya lotryada gidrid. priroda, 1949, No. 6,  
s. 65-66

SO: LITOPIS ZHURNAL STATEY - Vol. 28, Moskva, 1949

KANAEV, I.I.

27676

Novoe o stepatel'nykh kletkakh gidry. Priroda, 1949, No. 8  
s. 67-70.---- Bibliogr: 9 nazv.

SO: Knishnaya Letopis, Vol. 1, 1955