L 32922-66

ACC NR: AP6018352

the design value for the duct wall; H is the reactor channel height; H_e is the equivalent reactor channel height; $\bar{c}_p$ is the mean specific heat of the gas; G_t is the total flow rate of the coolant α is the heat transfer coefficient of the coolant; F_p is the total area of fuel element cladding; T_w^{max} is the maximum temperature of the cladding wall; η_t is the gas turbine efficiency; η_k is compressor efficiency. T_1, T_2, T_4, T_5, T_6, p_4, p_5 are the absolute temperatures and pressures of specific points in the system. The authors arrived at the following conclusions: 1) With increasing compression ratio σ, the efficiency reaches a maximum at a well defined point, determined by the gas (helium) temperature as a parameter. 2) The increase in rate of heat recovery increases the power plant efficiency and lowers the optimum rate of the compression ratio. 3) Efficiency is only slightly dependent on T_w^{max}. 4) The change in the initial gas pressure p_1 has a noticeable effect. 5) An increase in hydraulic resistances Δp_p or $\Delta p_{p,x}$ reduces efficiency. 6) Intermediate gas cooling during compression substantially changes the parameters of the nuclear gas turbine plant in that it increases efficiency and the compression ratio. The effects of intermediate gas cooling and heating were investigated using a two-stage system in which the gas is passed through the reactor, cooled and compressed twice during each cycle. Based on the experimental data and calculations it appears feasible to attain 50% efficiency using gas at 1000C in such a system. Orig. art. has: 7 figures and 7 formulas. [14]

SUB CODE: 21,18/ SUBM DATE: 30Oct65/ OTH REF: 004/ ATD PRESS: 5128

Card 3/3

SHUSTOV, N., inzh. (g.Baranovichi)

Freight operations performed without uncoupling cars. Zhel. dor.transp. 36 no.3:80 Mr '55. (MIRA 12:5)
(Railroads--Freight)
(Loading and unloading)

SHUSTOV, N.D.; KLEYER, R.N., inzh.

Mechanized cement sheds. Avt.dor. 22 no.3:13-14 Mr '59. (MIRA 12:4)

(Cement--Storage)

Shustov, N. F.

Continuous automatic materials control with the use of low-frequency ultrasonic defectoscope. D. F. Vasil'ev and N. F. Shustov. *Zavodskaya Lab.* 22, 1186-8(1950).—An ultrasonic defectoscope operating on 100,000 cycles/sec. frequency is described. It permitted testing pieces up to 1.5 m. long and 340 mm. in diam., and has been used for over 5 years for control of plastic tubes and metallic rods up to 100 mm. in diameter, which may be rough-finished or rusty, but not coated with heavy scale. W. M. Sternberg

2

Phys

Fuel Abstracts SHUSTOV, N.I. Steam Engnrs - III

3686. INCREASING RELIABILITY AND EFFICIENCY OF BOILER PLANT WITH CHAIN GRATE STOKERS. Shustov, N.I. (Za. Ekon. Topliva (Fuel Econ.) June 1952, 22-24). An account is given of the steps taken on Soviet power stations to improve reliability and efficiency of boiler plants erected in 1932-4. Chain grates successfully rival pulverized coal-firing. Boiler reconstruction has resulted in increasing efficiency and in deducing electric power consumption for the plant's own needs. Steam output has been raised 1,5 times and boiler efficiency from 58-60% to 83-88%, while electric power consumption for plant needs has been reduced to 20%. (L)
B.E.A.

SHUSTOV, N.I., inzhener.

Dependable work of water-cooled panels of chain-grate stokers. Elek.sta. 24 no.10:54 O '53. (MLRA 6:10)

(Stokers, Mechanical)

SHUSTOV, N.K.

Supporting the initiative of Sverdlovsk workers. Izobr. i rats. 3 no.5:33-34 My '58. (MIRA 11:9)
(Railroad engineering)

KAPLUN, Ya.G., professor, doktor tekhnicheskikh nauk; SHUSTOV, N.V., gornyy inzhener

Using the BMK-2 boring machine in shaft sinking. Gor. zhur. no.4:18-24 Ap '55. (Boring machinery) (Shaft sinking) (MLRA 8:7)

SHUSTOV, N.V., gornyy inzhener

Shaft sinking with 82 mm. diameter blast-holes. Gor.zhur. no.6:22-24 Je '55. (Shaft sinking) (MLRA 8:8)

SHUSTOV, Nikolay Vasil'yevich; PAVLOV, K.V., otvetstvennyy redaktor; SMIRNOV, L.V., redaktor izdatel'stva; ZAZUL'SKAYA, V.F., tekhnicheskiy redaktor

[Using shafts of great diameter for conducting mining operations] Primenenie skvazhin bol'shogo diametra pri provedenii gornykh vyrabotok. Moskva, Ugletekhizdat, 1957. 81 p. (MLRA 10:7)
(Coal mines and mining)

14(5) PHASE I BOOK EXPLOITATION SOV/3173

Shustov, Nikolay Vasil'yevich, and Sergey Sergeyevich Panchev

Materialy, mashiny i burovoy instrument dlya podzemnykh gornykh rabot (Materials, Machinery, and Drilling Equipment for Underground Mining Operations) Moscow, Trudrezervizdat, 1958. 153 p. (Series: Biblioteka molodogo rabochego) 6,000 copies printed.

Scientific Ed.: O.O. Sosedov; Ed.: B.V. Romanov; Tech. Ed.: Yu.N. Gorokhov.

PURPOSE: This booklet is intended for students of labor-reserve mining schools. It may also be useful to technical personnel in the mining industry.

COVERAGE: The booklet contains information on the materials and equipment used in Soviet mining operations. Mining operations in non-Soviet countries are also briefly discussed. No personalities are mentioned. There are 30 references, all Soviet.

Card 1/3

TABLE OF CONTENTS:

Materials, Machinery (Cont.) SOV/3173

AVAILABLE: Library of Congress (TN345.S55)

Card 3/3

VK/mas
3-17-60

NIKIFOROV, Nikolay Konstantinovich; SHUSTOV, Nikolay Vasil'yevich; FEYGIN, L.M., otv. red.; ABARBARCHUK, F.I., red. izd-va; LOMILINA, L.N., tekhn. red.

[Design, use, and maintenance of rock drills] Konstruktsiia, ekspluatatsiia i remont perforatorov. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po gornomu delu, 1961. 164 p. (MIRA 15:4)

(Rock drills)

PANCHEV, Sergey Sergeyevich, prof.; SHUSTOV, Nikolay Vasil'yevich, dots.; VEGNER, L.V., retsenzent; TERPOGOSOV, Z.A., kand. tekhn. nauk, retsenzent;

[Miner in development operations and in permanent workings of metal mines] Prokhodchik podgotovitel'nykh i kapital'nykh vyrabotok metallicheskikh rudnikov. Moskva, Gosgortekhizdat, 1961. 271 p. (MIRA 15:7)

(Mining engineering)

BUCHNEV, Valer'yan Konstantinovich, prof., doktor tekhn. nauk, [deceased]; BRONNIKOV, Dmitriy Mikhaylovich, doktor tekhn. nauk; VASIL'CHIKOV, Nikolay Vasil'yevich, kand. tekhn. nauk; GANZEN, Georgiy Aleksandrovich; SHUSTOV, Nikolay Vasil'yevich; FETELOVICH, Izrail' Izraylevich, inzh.; DEMIDYUK, G.P., otv. red.; BURTSEV, L.I., otv. red.; KOROLEVA, T.I., red. izd-va; OSVEYENKO, V.G., tekhn. red.; PROZOROVSKAYA, V.L., tekhn. red.

[Handbook on drilling boreholes in underground workings] Spravochnik po bureniiu shpurov i skvazhin na podzemnykh rabotakh. [By] V.K.Buchnev, i dr. Moskva, Gosgortekhizdat, 1962. 271 p. (Boring) (MIRA 15:12)

SHUSTOV, N.V., kand. tekhn. nauk; KUPNIS, L.A., inzh.

Use of air spaces for blasting operations at the "Sovetskii" mine. Shakht. stroi. 9 no.10:25-26 O '65. (MIRA 18:9)

1. Krasnoyarskiy institut tsvetnykh metallov imeni M.I.Kalinina.

SHUSTOV, N.V.; GEVEL', V.F.

Results of the practical application of the water-infusion method of blasting for rock breaking. Fiz.-tekh. probl. razrab. pol. iskop. no.4:58-63 '65. (MIRA 19:1)

1. Institut tsvetnykh metallov imeni Kalinina, Krasnoyarsk. Submitted Feb. 23, 1965.

ACC NR: AR6022473 SOURCE CODE: UR/0169/66/000/003/D024/D025

AUTHOR: Baginskaya, Ye. N.; Aristov, V. I.; Vesman, A. G.; Shustov, R. I.; Seyful'--Mylyukov, R. B.

TITLE: Experimental regional seismic observations in the western part of the North Caspian petroliferous basin

SOURCE: Ref. zh. Geofiz, Abs. 3D150

REF SOURCE: Tr. Nizhne-Volzhsk. n.-i. in-t geol. i geofiz., vyp. 2, 1964, 170-178

TOPIC TAGS: seismic prospecting, geologic exploration

TRANSLATION: The paper describes the results of a field work in an area where the Voronezh massif of the Russian Platform adjoins the Caspian Basin. Two seismic profiles were run, totalling 140 to 150 km. The KMPV method was mostly used, although some work was done by the MOV and even RNP methods. The profiling was continuous when using the KMPV method. The wave reflected from the basement top was traced through the entire lengths of the profiles, since this basement was the main object of investigation. It was recorded as first "kicks" at distances of 9 to 35 km from the primary wave. Its apparent velocity varied between 5800 and 6300 m/sec. Its coefficient of dampening was $1.7 \cdot 10^{-5}$ 1/M. The superimposing traces lacked a parallelism. This wave was identical with the refracted one. In the western part of the area, some reflec-

UDC: 550.834

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ACC NR: AR6022473

tions were obtained from caps of salt domes as well as from the underlying salt-bearing basement drops, 2700-3000 m down to 4500 m from west to center. The second profile shows the basement's drop from 4500 down to 8500 m over a distance of 30 to 40 km between the borehole No. 1 at Verkhovo on the north and Tormosino on the south. A map of the Precambrian basement was prepared as the result of this work. Recommendations are offered for further investigations. G. Shekhtman.

SUB CODE: 08

Card 2/2

SHUSTOV, S. N.

USSR/ Aeronautics - Fluid Mechanics

Card : 1/1

Authors : Slezkin, N. A., and Shustov, S. N.

Title : Stability of motion of a particle suspended in a laminary flow

Periodical : Dokl. AN SSSR, 96, Ed. 5, 933 - 936, June 1954

Abstract : The stability of motion of a particle suspended in a laminary flow was investigated with consideration of a lateral force proportional to the density, circulation and relative rate of flow around the particle. The necessity of considering the lateral force during the study of the motion of a particle in a laminary flow is dictated not only by the results of numerous investigations clearly showing the formation of a lateral force as result of a circulatory flow or as result of the presence of a natural body of rotation, but also by the fact that the formation of the very circulation in the flow is due to the viscosity effect of the liquid. Three references.

Institution : The F. E. Dzerzhinskiy Artillery Academy

Presented by : Academician, A. I. Nekrasov, March 11, 1954

LOYTSYANSKIY, Lev Gerasimovich; SHUSTOV, S.N., red.; AKHLAMOV, S.N., tekhn.red.

[Mechanics of liquids and gases] Mekhanika zhidkosti i gaza. Izd. 2-oe, perer. i dop. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry, 1957. 784 p. (MIRA 11:2)
(Fluid mechanics)

VELIKANOV, Mikhail Andreyevich; SHUSTOV, S.N., red.; YERMAKOVA, Ye.A., tekhn.red.

[Channel processes; principles of the theory] Kanalovoi protsess; osnovy teorii. Moskva, Gos.izd-vo fiziko-matem. lit-ry, 1958. 395 p. (MIRA 12:6)
(Rivers)

CHERNYY, Gorimir Gorimirovich; SHUSTOV, S.N., red.; GAVRILOV, S.S., tekhn.red.

[Gas flows of high supersonic velocities] Techeniia gaza s bol'shoi sverkhzvukovoi skorost'iu. Moskva, Gos.izd-vo fiziko-matem.lit-ry, 1959. 220 p. (MIRA 13:3)
(Aerodynamics) (Gas flow)

KOROBEYNIKOV, Viktor Pavlovich; MEL'NIKOVA, Nina Sergeyevna; RYAZANOV, Yevgeniy Vasil'yevich. Prinimali uchastiye: KARLIKOV, V.P.; YAKIMOV, Yu.L.; SHUSTOV, S.N., red.; AKSEL'ROD, I.Sh., tekhn.red.

[Point exposion theory] Teoriia tochechnogo vzryva. Moskva, Gos. izd-vo fiziko-matem. lit-ry, 1961. 332 p. (MIRA 14:9)
(Explosions)

GUREVICH, Maksim Isidorovich. Prinimal uchastiye DOMBROVSKIY, G.A.; SHUSTOV, S.N., red.; AKHLAMOV, S.N., tekhn. red.

[Theory of flows of an ideal liquid] Teoriia strui ideal'noi zhidkosti. Moskva, Gos.izd-vo fiziko-matem.lit-ry, 1961. 496 p. (MIRA 15:2)

(Hydrodynamics)

STEPANOV, Georgiy Yur'yevich. Prinimali uchastiye: SIROTKIN, Ya.A.; NAUMOVA, L.G.; ROMANTSEVA, L.I.; SHUSTOV, S.N., red.; BRUDNO, K.F., tekhn. red.

[Fluid dynamics of turbomachine cascades]Gidrodinamika reshetok turbomashin. Moskva, Fizmatgiz, 1962. 512 p. (MIRA 15:8)

(Turbomachines--Fluid dynamics)
(Cascades(Fluid dynamics))

KOMBROVSKIY, Georgiy Arsen'yevich; CHUSHOV, S.N., red.

[Method of approximation of an adiabatic curve in the theory of two-dimensional gas flow] Metod approksimatsii adiabaty v teorii ploskikh techenii gaza. Moskva, Nauka, 1964. 158 p. (MIRA 17:10)

ACC NR: AR6018975 SOURCE CODE: UR/0271/66/000/002/B051/B051

AUTHOR: Shustov, S. S.

TITLE: Certain problems in using alloy transistors of the P13-P16B type in ferrite core-transistor units

SOURCE: Ref. zh. Avtomat telemekh i vychisl tekhn, Abs. 2B363

REF SOURCE: Tr. Mosk. energ. in-ta, vyp. 60, 1965, 95-118

TOPIC TAGS: magnetic core, ferrite core, transistor, transistor stability, transistor parameters, alloy transistor

TRANSLATION: Problems related to the utilization of transistors in ferrite core-transistor units, where the transistor turnoff is slow are considered. The turnoff can be controlled over a limited range through negative feedback via emitter resistors. The selection of alloy transistors for ferrite core transistor units is first governed by their compatibility with the pulse parameters that ensure proper operation of the unit, and fully utilize the ferrite core transistor unit's frequency, power, and stability capabilities. The major criteria of ferrite core transistor unit's operation are described. The load capability of ferrite core transistor units is analyzed, as related to response speed of the transistor; as well as the saturation and the cutoff resistance of the transistor; electrical breakdown strength of the transistor; maximum value

UDC: 681.142.67:621.382

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ACC NR: AR6018975

of the collector current; and r_b parameters. The noise immunity of the units is analyzed with respect to electrical and magnetic characteristics of the transistor and the core. The capability of the ferrite core transistor units to compensate the write (read) process is investigated. In conclusion, recommendations for choice of unit and component parameters are given. 5 references, 15 figures. N. S.

SUB CODE: 09

Card 2/2

SHUSTOV, S.S.

Use of a signaling water gauge in automatizing the filtration of softened water. Vod. i san. tekh. no.10:21-22 '59.
(MIRA 13:1)
(Saline waters--Demineralization) (Filters and filtration)
(Water meters)

S/194/61/000/010/031/082
D222/D301

9.4310

AUTHORS: Kaganov, I.L., Starostin, A.N. and Shustov, S.S.

TITLE: The base resistance of transistors in pulse operation

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 10, 1961, 32, abstract 10 B213 (Tr. Mosk. energ. in-ta, 1961, no. 34, 16-23)

TEXT: In the analysis of pulse operating conditions of elements in transistorized digital computers it is necessary to take into account the time variation of base resistance. An investigation into the course of base resistance variation in a number of transistor types (П-13 (P-13), П-15 (P-15)) is described. Oscillographic studies are compared with the results of a mathematical analysis. The method used enables the time constant of carrier life in the saturation regime to be found. 3 figures. 4 references.
[Abstracter's note: Complete translation]

VB

Card 1/1

VYSOTSKIY, N.N., prof.; SHUSTOV, S.S., assistent

Changes in the urine and kidneys in pulmonary emphysema and chronic bronchitis. Trudy KGMI no.10:215-220 '63.

(MIRA 18:1)

1. Iz kafedry fakul'tetskoy terapii (zav. kafedroy - prof. N.N. Vysotskiy) Kalininskogo gosudarstvennogo meditsinskogo instituta.

SHUSTOV, U.Ya. [Shustau, U.IA.]

Copper, cobalt, nickel, manganese, and zinc content of the blood in different forms of anemia. Vestsi AN BSSR. Ser. biial. nav. no.3:77-81 '60. (MIRA 14:1)
(ANEMIA) (TRACE ELEMENTS)

SHUSTOV, V.

After the snow leopard. Vokrug sveta no.9:56-59 S '53. (MLRA 6:10)
(Snow leopard)

SHUSTOV, V.

To the mountains after the golden eagle. Vokrug sveta no.5:41-43 My '54. (MLRA 7:6)

(Kirghizistan--Eagles) (Eagles--Kirghizistan)

AID P - 4684

Subject : USSR/Aeronautics - Instruments

Card 1/2 Pub. 58 - 10/14

Author : Shustov, V.

Title : Instruments for registering data of record performances in aviation sports.

Periodical : Kryl. rod., 4, 17-18, Ap 1956

Abstract : The author reviews the official requirements concerning the registering of data of record performances, and advises how these requirements may be best complied with. Practical recommendations as to the preflight checking of the barographs and barospeedographs are also made, as well as those concerning the handling of these instruments. Also is indicated the procedure to follow in getting the results marked on the record sheets officially registered. 1 table, 3 graphs, 1 drawing.

AID P - 4684

Kryl. rod., 4, 17-18, Ap 1956

Card 2/2 Pub. 58 - 10/14

Institution : None

Submitted : No date

ZLATKOVSKIY, A.P.; SHUSTOV, V.A.; SHIDAREV, I.M., redaktor; SOKOLOVA, N.N., tekhnicheskiy redaktor.

[Electric power station distributing panel and measuring instruments] Stantsionnyi raspredelitel'nyi shchit i izmeritel'nye pribory. Moskva, Gos. izd-vo selkhoz. lit-ry, 1949. 40 p. (MLRA 8:1)
(Electric meters) (Electric switchgear)

USSR/Electricity - Transmission Lines Nov 50
Electrification of
Agriculture

"Electric Power Transmission With Portable Single-Wire Lines," V. M. Dmitriyev, Engr, Docent V. A. Shustov, Leningrad

"Elektrichestvo" No 11, pp 38-41

Suggests, on basis of operational tests, combination 6-kv circuit with portable 1-wire lines and high-voltage static condensers should be widely used in electrification of agricultural districts during seasonal loads.

171T45

USSR/Electricity - Transmission Lines (Contd) Nov 50

Economical 1-wire line can thus be used to supply 3-phase power as needed. Submitted 6 Mar 50.

171T45

KHASHCHINSKIY, Viktor Petrovich; SHUSTOV, Vyacheslav Aleksandrovich; FAYNBERG, Ye.F., redaktor; MOLODTSOVA, N.G., tekhnicheskiy redaktor

[Electricity and its use in agriculture] Elektrichestvo i ego primenenie v sel'skom khoziaistve. Izd. 2-oe, ispr. i dop. Moskva, Gos.izd-vo selkhoz. lit-ry, 1956. 154 p. (MLRA 9:11)
(Electricity in agriculture)

RUDAKOV, Viktor Vasil'yevich, kandidat tekhnicheskikh nauk; KOMPANEYETS, Vladimir Yakovlevich, kandidat tekhnicheskikh nauk; PROZOROV, Valentin Alekseyevich, inzhener; MERKUCHEV, Dmitriy Antonovich, inzhener; SHUSTOV, V.A., dotsent, redaktor; FAYNBERG, Ye.F., redaktor; MOLODTSOVA, N.G., tekhnicheskiy redaktor

[Electric machines and automobile and tractor electric equipment] Elektricheskie mashiny i avtotraktornoe elektrooborudovanie. Pod obshchei red. V.A.Shustova i V.V.Rudakova. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1957. 302 p. (MLRA 10:6)

(Electric machines)
(Tractors--Electric equipment)
(Automobiles--Electric equipment)

USSR/Cultivated Plants. Potatoes.Vegetables. Melons. M

Abs Jour: Ref Zhur-Biol., No 5, 1958, 20370.

Author : V.A. Shustov
Inst : Leningrad Agricultural Institute.
Title : The Action of Electricity on Plant Root Systems. (Ob elektricheskom vozdeystvii na kornevuyu sistemu rasteniy).

Orig Pub: Mekhaniz. i elektrifik. sots. s. kh., 1957, No 4, 44-45.

Abstract: At the Leningrad Agricultural Institute a study was made of the effect of a direct and an alternating current of low voltage with a frequency of 50 cycles and densities of 1.0, 0.5, 0.25 and 0.13 milliamperes per square centimeter of vegetable soil layer on the growth of radishes and lettuce. The thermal effect of the electric current was taken into consideration during the test. Soil moisture was maintained constant (60% of full moist-

Card : 1/2

Cultivated Plants. Potatoes. Vegetables. Melons. M

Abs Jour: Ref Zhur-Biol., No 5, 1958, 20370.

Author : V.A. Shustov

ure capacity). The largest output of green stuff was obtained by the action of alternating current with a density of 0.5 milliamperes per cm^2; with direct current and a density of 1.0 milliamperes per cm^2 the destruction of the plants was observed which was brought about by the pH factor drop, a change in the soil acidity and a disruption in the plants P and N. Weak dosages of direct and alternating current had a somewhat positive effect when carbon electrodes were used.

Card : 2/2

ROGOZHIN, A.P.; DEMCHENKO, V.G.; SHIBAYEV, B.N.; KORNIYENKO, Yu.A., SHUSTOV, V.A.; BRODOVSKIY, S.S.; KALASHNIKOV, I.V.

Increasing the control of brake relays to 540 a on type G cars of the subway. Prom. energ. 12 no.7:22 Jl '57. (MLRA 10:8)
(Electric railroads--Brakes)

KOVCHIN, Sergey Aleksandrovich; MERKUCHEV, Dmitriy Antonovich; HUDAKOV, Viktor Vasil'yevich; SHUSTOV, V.A., dotsent, red.; FAYNBERG, Ye.F., red.; MOLODTSOVA, N.G., tekhn.red.

[Use of electric power in agriculture; laboratory studies] Primenenie elektricheskoi energii v sel'skom khozisistve; laboratorno-prakticheskie raboty. Pod red. V.A. Shustova. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1958. 228 p. (MIRA 12:2)
(Electricity in agriculture)

SHUSTOV, V.A.; KOVCHIN, S.A.; PISKAREV, A.N.

"Reference book on the use of electric power in agriculture" by M.A. Sazonov and others. Reviewed by V.A. Shustov, S.A. Kovchin, A.N. Piskarev. Mekh. i elek. sots. sel'khoz. 16 no.6:61-62 '58. (MIRA 12:1)

1.Kafedra "Primeneniye elektricheskoy energii v sel'skom khozyaystve" Leningradskogo sel'skokhozyaystvennogo instituta.
(Electricity in agriculture--Handbooks, manuals, etc.)
(Sazonov, M.A.)

SHUSTOV, V. A., CAND TECH SCI, "ELECTRICAL HEATING AND THE effect ~~ACTION~~ OF ELECTRIC~~A~~ CURRENTS upon ~~ON~~ PLANTS IN SHELTERED GROUND." MOSCOW, 1961. (MOSCOW ORDER OF LENIN AGR ACAD IMENI K. A. TIMIRYAZEV). (KL-DV, 11-61, 224).

SHUSTOV, Vyacheslav Aleksandrovich; CHAPSKIY, O.U., red.; BARANOVA, L.G., tekhn. red.

[Use and repair of rural overhead electric networks and lines] Ekspluatatsiia i remont sel'skikh vozdushnykh linii i setei. Leningrad, Sel'khozizdat, 1962. 101 p. (MIRA 15:7)
(Electric lines---Overhead)
(Rural electrification)

SHUSTOV, V.A.

Fracturing and deformation of muscovite crystals in pegmatite veins of the Ukrainian crystalline shield. Min.sbor. no.10: 342-346 '56. (MLRA 9:12)

1. Trest Lengeoliyerud, Leningrad.
(Ukraine--Muscovite crystals)

SHUSTOV, V.A.

Phlogopites in the Ukrainian Archean. Min.sbor. no.12:159-168 '58. (MIRA 13:2)

1. Lengeolnerud, Leningrad.
(Ukraine--Phlogopite)

SHUSTOV, V.A.

Fracturing and bitumen potential of the Tertiary sediments in the southeastern part of northern Sakhalin. (Pogranichnoye area) . Trudy VNIGRI no.163:178-198 '60 (MIRA 14:6)
(Pogranichnoye region (Sakhalin) —Bitumen--Geology)

SHUSTOV, V.A.

Paleozoic sediments of Taulan-Armudan Rdige on Sakhalin. (MIRA 15:2)
Trudy VNIGRI no.181:95-111 '61.
(Sakhalir—Geology)

KASATKINA, L.A.; SHUSTOV, V.I.

Isotopic exchange of oxygen of vanadium pentoxide with sulfur dioxide and trioxide. Kin. i kat. 5 no.5:945-948 S-O '64.
(MIRA 17:12)

1. Moskovskiy khimiko-tekhnologicheskiy institut imeni Mendeleyeva.

SHUSTOV, V.I., master sporta SSSR; PETROV, B.N., zasluzhennyy master sporta SSSR; redaktor; SHESTOPALOV, F.S., mayor, redaktor; MYASNIKOVA, T.F., tekhnicheskiy redaktor.

[The course of Soviet parachutism] Put' sovetskogo parashiutizma. Pod red. B.N.Petrova. Moskva, Voennoe izd-vo Ministerstva oborony Soiuza SSR, 1954. 119 p. [Microfilm] (MIRA 8:1)
(Parachutes)

SHUSTOV, V.M. (Moskva)

Prospects for increasing material and personnel engaged in public health 1959-65. Sov.zdrav. 18 no.1:3-11 '59. (MIRA 12:2)

(PUBLICH HEALTH
in Russia, 7-year plan (Rus))

NATRADZE, A.G.; SHUSTOV, V.M., red.; MATVEYEVA, M.M., tekhn. red.

[Manufacture of drugs andmedical apparatus from 1959-1965] Proizvodstvo lekarstvennykh preparatov i izdelii meditsinskoi tekhniki v 1959-1965 gg. Moskva, Medgiz, 1961. 63 p. (MIRA 14:11)
(DRUG INDUSTRY) (MEDICAL INSTRUMENTS AND APPARATUS)

SHUSTOV, V.T., inzh.; RAKHMAN, B.Ye.

Mechanized unloading of cottonseed from freight cars. Masl. - zhir. prom. 27 no.8:48 Ag '61. (MIRA 14:8)

1. Uzgipropishcheprom.
(Uzbekistan--Cottonseed) (Uzbekistan--Loading and unloading)

SHUSTOV, V.YA.

Dynamics of changes in blood composition of trace elements, (copper, cobalt, nickel, manganese and zinc) in posthemorrhagic and Biermer's anemias. Suvrem med., Sofia no.11:27-33 '60.

1. Iz DMI, Saratov, SSSR (Direktor dots. I.N.Romanovich)
(TRACE ELEMENTS blood)
(ANEMIA blood)
(ANEMIA PERNICIOUS blood)

SHUSTOV, V. Ya.

Cand Med Sci - (diss) "Changes in the content of several trace elements -- copper, cobalt, nickel, manganese, and zinc in the blood of patients with various forms of anemia." Saratov, 1961. 14 pp; (Kuybyshev Med Inst); 300 copies; free; (KL, 6-61 sup, 242)

SHUSTOV, V.Ya.

Conversion of erythremia into acute erythrohemocytoblastosis. Kaz. med. zhur. no.5:75-76 S-O'63 (MIRA 16:12)

1. Kafedra gospital'noy terapii pediatricheskogo fakul'teta (zav. - prof. M.S. Obraztsova) Saratovskogo meditsinskogo instituta.

KOMKOV, I.P., prof.; RYBALTOVSKIY, O.V., dotsent; DIVINSKIY, A.F., kand. khim. nauk; CHERNOVA, L.V., laborantka; KHATIN, M.G., prof.; SHUSTOV, Yu.P.

Preparation D-33 as an activating agent for chlorophos. Veterinariia 41 no.2:58-59 F '64. (MIRA 17:12)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti (for Komkov, Rybaltovskiy, Divinskiy, Chernova). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut veterinarnoy sanitarii (for Khatin). 3. Glavnyy veterinarnyy vrach sovkhoza "Iskra" Moskovskoy oblasti (for Shustov).

SHUSTOVA, A. P.

Plants, Effect of Light On

Effect of light on the outflow of plastic substances
Leningradskiy Sel'skokhozyzystvennyy Institut
rcd. 12 Oct. 1951

SO: Monthly List of Russian Accessions, Library of Congress, June 1952 1953, Uncl.

SHUSTOVA, A.P.

Absorption of the elements of mineral nutrition (nitrogen, phosphorus, and potassium) in the ontogeny of buckwheat [with summary in English]. Fiziol. rast. 5 no.1:31-36 Ja-F '58. (MIRA 11:1)

1. Kafedra fiziologii rasteniy Leningradskogo sel'skokhozyaystvennogo instituta.

(Buckwheat) (Plants--Assimilation)

SHUSTOVA, A.P., kand.sel'skokhozyaystvennykh nauk

Determining the end of the photoperiod in the development of walnut.
Agrobiologiia no.5:50-56 S-O '58. (MIRA 11:11)

1. Leningradskiy sel'skokhozyaystvennyy institut.
(Walnut) (Plants, Effect of light on)

SHUSTOVA, A.P., kand.sel'skokhoz.nauk

Causes of the decreased fruiting of walnut trees under conditions of insufficient light. Agrobiologiia no.6:888-893 N-D '59. (MIRA 13:4)

1. Leningradskiy sel'skokhozyaystvennyy institut.
(Walnut) (Plants, Effect of light on)

SHUSTOVA, A.P.

Molybdenum requirements of buckwheat in ontogenesis. Nauch. dokl. vys. shkoly; biol. nauki no. 1:149-153 '61. (MIRA 14:2)

1. Rekomendovana kafedroy fiziologii rasteniy Leningradskogo sel'skokhozyaystvennogo instituta.
(BUCKWHEAT) (PLANTS, EFFECT OF MOLYBDENUM ON)

SHUSTOVA, A. P.

Zinc requirement of buckwheat at various stages of development. Nauch. dokl. vys. shkoly; biol. nauki no.3:142-144 '62. (MIRA 15:7)

1. Rekomendovana kafedroy fiziologii rasteniy Leningradskogo sel'skokhozyaystvennogo instituta.

(BUCKWHEAT—FERTILIZERS AND MANURES)
(PLANTS, EFFECT OF ZINC ON)

SHUSTOVA, A.P.

Effect of light conditions on the growth, development, and yield of buckwheat. Fiziol. rast. 12 no.5:894-901 S-O '65.
(MIRA 19:1)

1. Leningradskiy sel'skokhozyaystvennyy institut.

SHUSTOVA, G.A.

SOV/142-58-4-29/30

AUTHOR: Stolyarov, A.G.

TITLE: All-Union Session Marking "Radio Day" (Vsesoyuznaya nauchnaya sessiya, posvyashchennaya "Dnyu Radio")

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy - Radiotekhnika, 1958, Nr 4, pp 517-521 (USSR)

ABSTRACT: During the period May 12-17, 1958, an All-Union Scientific Session was held in Moscow, devoted to "Radio Day". It was organized by the Scientific Technical A.S.Popov Association for Radio-Engineering and Electro-Communications. 280 papers were read at the session, 25 in the field of information theory and more than 20 in the field of electronics, dealing with theoretical/experimental research on electronic equipment. V.I.Siforov spoke on "The Transmission Capacity of Single-Ray and Multi-Ray Communication Canals". L.I.Filippov looked at the potential interference resistance of an ideal radio receiver. D.A.Novik spoke on "The Transmission System of Electric Signals by the Optimal Code of Shannon-Fano." A.Ye.Basharinov and B.S.Fleyshman discussed "The Use of the Successive Analysis Method in Equipment for Determining Weak Signals in Noise", and L.M.Fink examined "The Potential Interference Resistance in a Non-Definite Signal Phase". V.A.Kashirin and G.A.Shustova discussed "The Optimal Parameters of the Tele-measuring System with regard to Interference Resistance". B.S.Fleyshman spoke on the question of creating an optimal code - in the Shannon conception - in the case of a binary symmetrical canal. L.F.Borodin discussed "The Method of Creating Several Codes with a Simple Base". In the field of electronics, P.A.Tarasov spoke on "Broad Band Electron Ray Tubes for Observation and Recording of Electric Impulses and Ultra-High Frequencies" and V.P.Radchenko examined the question of the practical utilization of tubes with a cathode net. G.P.Semenov, V.P.Sazonov, M.N.Shitneva and A.S.Bondarev examined: "Use of the Radiosonde with a High-Ohm Feed for Examining Electromagnetic fields in resonators and wave guides".

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and [illegible] Katsman spoke on "The Selection of Oscillatory Energy of an Electronic Current, Modulated According to Density". M.B.Golant discussed a negative clystron with a wide range of electron adjustment. S.I.Bychkov explained the phenomenon of electron displacement and gave an approximate description of the frequency characteristics of the magnetron under conditions of high amplitude oscillations. A.I.Tereshchenko spoke on "The Influence of Various Factors on a Critical Magnetic Magnetron Field with a Grid". [illegible] Lebedev-Karmanov spoke on "[illegible] Television Stations" and V.M.Katushkina and Z.I.Model' discussed "Bridge Methods of Combining the Outputs of Several Generators". [illegible] G.Sh.Kevanishvili spoke on "The Theory of Non-Linear Oscillations in Radio Engineering". [illegible] V.A.Khromov and G.L.Suchkin spoke on "The Electro-[illegible]netic Radiation in Systems not Conditioned by the Theory of Reciprocity in the Ultra-High Frequency Range". [illegible]

YEVDOKIMOV, Nikolay Vasil'yevich; BEZENOV, Sergey Vasil'yevich; SHUSTOVA, I.B., redaktor; MEDVEDEVA, L.Ya., tekhnicheskiy redaktor

[Experience in high-speed operation of mechanical weaving] Opyt osvoeniia vysokikh skorostei v mekhanicheskom tkachestve. Moskva, Gos.nauchno-tekhn.izd-vo M-va legkoi promyshl.SSSR, 1957. 42 p. (Weaving) (MLRA 10:9)

LIPIN, V.A.; MISHKETKUL', Ya.S.; NIKITIN, M.N., retsenzent; SHUSTOVA, I.B., redaktor; MEDVEDEVA, L.A., tekhnicheskiy redaktor

[Standard method of adjusting looms with upper reed in worsted manufacture; generalizations from progressive experience] Edinyi metod naladki mekhanicheskikh tkatskikh stankov s verkhnim boem v kamvol'nom proizvodstve; obobshchenie peredovogo opyta. Moskva, Gos.nauchno-tekhn.izd-vo M-va legkoi promyshl. SSSR, 1957. 100 p. (MLRA 10:7)
(Looms--Maintenance and repair)
(Woolen and worsted manufacture)

KUSTOV, Nikolay Dmitriyevich; KUDRYAVTSEV, D.S., retsenzent; SHUSTOVA, I.B., redaktor; DMITRIYEVA, N.I., tekhnicheskiy redaktor

[Manufacturing terry cloth] Proizvodstvo makhrovykh tkanei. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po legkoi promyshl., 1957. 121 p. (MIRA 10:11)
(Textile fabrics)

KUFTYREVA, Valentina Alekseyevna; KUFTYREVA, Natal'ya Sergeyevna; SHUSTOVA, I.B., red.; NAZAROVA, A.S., tekhn.red.

[Minerals and methods of searching for them] Poleznye iskopaemye i metody ikh poiskov. Moskva, Izd-vo "Znanie," 1961. 37 p. (Narodnyi universitet kul'tury. Estestvennonauchnyi fakul'tet, no.30) (MIRA 15:4)
(Mines and mineral resources)
(Prospecting—Geophysical methods)

KOCHERGIN, Ivan Georgiyevich; SHUSTOVA, I.B., red.; ATROSHCHENKO, L.Ye., tekhn. red.

[Soviet public health today] Sovetskoe zdravookhranenie segodnia. Moskva, Izd-vo "Znanie," 1961. 38 p. (Narodnyi universitet kul'tury. Estestvennonauchnyi fakul'tet, no.29) (MIRA 15:4)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Kochergin).

(PUBLIC HEALTH)

LEDOVSKIY, Dmitriy Ivanovich; SHUSTOVA, I.B., red.; ATROSHCHENKO, L.Ye., tekhn. red.

[Oxygen and hydrogen]Kislorod i vodorod. Moskva, Izd-vo "Znanie." 1962. 44 p. (Narodnyi universitet kul'tury. Estestvennonauchnyi fakul'tet fakul'tet, no.10) (MIRA 15:11)
(Oxygen) (Hydrogen)

SEVERIN, Sergey Yevgen'yevich; VINETSKIY, Yu.P., nauchnyy red.; SHUSTOVA, I.B., red.; RAKITIN, I.T., tekhn. red.

[Biochemical principles of life] Biokhimicheskie osnovy zhizni. Moskva, Izd-vo "Znanie," 1961. 45 p. (Narodnyi universitet kul'tury. Estestvennonauchnyi fakul'tet, no.27) (MIRA 15:3)

1. Chlen-korrespondent Akademii nauk SSSR (for Severin)
(Life--Origin) (Biochemistry)

NIKOLAYEV, Lev Aleksandrovich, prof.; SHUSTOVA, I.B., red.;
ATROSHCHENKO, L.Ye., tekhn. red.

[Catalysis and chemistry of the future] Kataliz i khimiia budushchego. Moskva, Izd-vo "Znanie," 1962. 45 p. (Narodnyi universitet kul'tury: Estestvennonauchnyi fakul'tet, no.7)
(MIRA 15:7)

(Catalysis)

PISARZHEVSKIY, Oleg Nikolayevich; SHUSTOVA, I.B., red.; NAZAROVA, A.S., tekhn. red.

[Science and the conquest of nature] Nauka i pokorenie prirody. Moskva, Izd-vo "Znanie," 1962. 46 p. (Narodnyi universitet kul'tury: Estestvennonauchnyi fakul'tet, no.6) (MIRA 15:6)
(Natural resources)

LOPATTO, Yuriy Semenovich; SHUSTOVA, I.B., red.; ATROSHCHENKO, L.Ye., tekhn. red.

[Iron] Zhelezo. Moskva, Izd-vo "Znanie," 1962. 46 p. (Narodnyi universitet kul'tury: Estestvenno-nauchnyy fakul'tet, no.3) (MIRA 15:6)

(Iron)

YERMILOV, Petr Ivanovich; SHUSTOVA, I.B., red.; NAZAROVA, A.S., tekhn. red.

[Great chemistry; chemistry in the creation of the material base of communism] Bol'shaia khimiia; khimiia v sozdanii material'no-tekhnicheskoi bazy kommunizma. Moskva, Izd-vo "Znanie," 1962. 47 p. (Narodnyi universitet kul'tury: Estestvenno-nauchnyy fakul'tet, no.5) (MIRA 15:6)

(Chemical industries)

RADUNSKAYA, Irina L'vovna; SHUSTOVA, I.B., red.; RAKITIN, I.T., tekhn. red.

[When atoms are close-packed]Kogada atomam tesno. Moskva, Izd-vo "Znanie," 1962. 46 p. (Narodnyi universitet kul'tury: Estestvennonauchnyi fakul'tet, no.12) (MIRA15:12)
(Diamonds) (High-pressure research)

VESELOV, Yelipidifor Alekseyevich, doktor biol. nauk, prof.; SHUSTOVA, I.B., red.; FAYNBOYM, I.B., red.; ATROSHCHENKO, L.Ye., tekhn. red.

[Evolution of animals and plants]Evoliutsiia zhivotnykh i rastenii. Moskva, Izd-vo "Znanie," 1962. 47 p. (Narodnyi universitet kul'tury: Estestvennonauchnyi fakul'tet, no.9) (MIRA 15:10)

(Evolution)

LESHKOVTSEV, Vladimir Alekseyevich; SHUSTOVA, I.B., red.; RAKITIN, I.T., tekhn. red.

[Horizons of science]Gorizonty nauki. Moskva, Izd-vo "Znanie," 1963. 47 p. (Narodnyi universitet kul'tury: Estestvennonauchnyi fakul'tet, no.1) (MIRA 16:1)
(Technological innovations) (Science news)

[redacted], Teodor Iosifovich; [redacted], L.K., red.

[Chemistry around us] Khimiia riadom. Moskva, Izd-vo "Znanie," 1964. 38 p. (Narodnyi universitet: Estestvenno-nauchnyi fakul'tet, no.6) (MIRA 17:7)

GLADKOV, Kirill Aleksandrovich; SHUSTOVA, I.B., red.; NAZAROVA, A.S., tekhn. red.

[In the world of temperatures and pressures]V mire temperatur i davlenii. Moskva, Izd-vo "Znanie," 1963. 47 p. (Narodnyi universitet kul'tury: Estestvennonauchnyi fakul'tet, no.2) (MIRA 16:1)

(Matter) (Heat)

LOPATIN, Yuriy Semenovich, kand. khim. nauk; PETRYANOV, I.V., red.; SHUSTOVA, I.B., red.; RAKITIN, I.T., tekhn. red.

[The periodic law in the light of recent discoveries] Periodicheskii zakon v svete noveishikh otkrytii. Moskva, Izd-vo "Znanie," 1963. 46 p. (Narodnyi universitet kul'tury: Estestvennonauchnyi fakul'tet no.12) (MIRA 17:2)

1. Chlen-korrespondent AN SSSR (for Petryanov).

MILOV, Vladimir Borisovich; SHUSTOVA, I.N., red.

[Standards and the unit system] Etalony i sistemy edinits. Moskva, Izd-vo "Znanie," 1964. 57 p. (Narodnyi universitet: Estestvennonauchnyi fakul'tet, no.8) (MIRA 17:9)

[illegible], Georgiy Ivanovich; [illegible], I.B., red.

[Action and test in nature] Vzaimodeistvie i pokrytie v prirode. Moskva, Izd-vo "Znanie," 1972. 47 p. (Znaniye; seriia tekst: Entsiklopedicheskaia [illegible], no.7) (MIRA 17:8)

LEVANTOVSKIY, Vladimir Isaakovich; SHUSTOVA, I.B., red.; ATROSHCHENKO, L.Ye., tekhn. red.

[Gravity, weightlessness, overload] Tiazhest', nevesomost', peregruzka. Moskva, Izd-vo "Znanie," 1964. 94 p. (Narodnyi universitet kul'tury: Estestvennonauchnyi fakul'tet, no.3)

MALASHKO, Iraida Fedorovna; SHUSTOVA, I.B., red.; DORODNOVA, L.A., tekhn. red.

[In the depths of the world of molecules] V glubinakh molekuliarnogo mira. Moskva, Vses. ob-vo "Znanie," 1964. 95 p. (Narodnyi universitet: Estestvennonauchnyi fakul'tet, no.4) (MIRA 17:4)

ROZEN, Boris Yakovlevich; SHUSTOVA, I.B., red.

[Rare elements and their uses] Redkie elementy i ikh primenenie. Moskva, Izd-vo "Znanie," 1964. 103 p. (Narodnyi universitet kul'tury: Estestvennonauchnyi fakul'tet, no.5)
(MIRA 17:6)

ARTEM'YEV, I.; SHUSTOVA, I.B., red.; RAKITIN, I.T., tekhn. red.

[Radio physics in our lives; physical principles of radio electronics, various applications of radio systems] Radiofizika v nashei zhizni; fizicheskie osnovy radioelektroniki, razlichnye primeneniia radiotekhnicheskikh ustroistv. Moskva, Izd-vo "Znanie," 1964. 144 p. (Narodnyi universitet kul'tury Estestvennonauchnyi fakul'tet, no.1-2)
(MIRA 17:2)

KROPOTKIN, Petr Nikolayevich, doktor geol.-miner. nauk; SHUSTOVA, I.B., red.

[Evolution of the earth; origin, structure, and geological history of the earth] Evoliutsiia Zemli; proiskhozhdenie, stroenie i geologicheskaia istoriia Zemli. Moskva, Znanie, 1964. 93 p. (Narodnyi universitet: Estvennonauchnyi fakul'tet, no.9) (MIRA 17:12)

ZAMORSKIY, Aleksandr Dmitriyevich, doktor geogr. nauk; SHUSTOVA, I.B., red.

[Optical phenomena in nature] Opticheskie iavleniia v prirode. Moskva, Izd-vo "Znanie," 1964. 61 p. (Narodnyi universitet: Estestvenno-nauchnyi fakul'tet, no.10) (MIRA 17:11)

VINETSKIY, Yu.P., kand. biol. nauk; GOL'DFARB, B.M., doktor med. nauk, prof., red.; SHUL'TOVA, I.B., red.

[Microcosmos of life] Mikrom'r zhizni. Moskva, Izd-vo "Znanie," 1965. 236 p. (Narodnyi universitet kul'tury: Estestvenno-nauchnyi fakul'tet, nos. 1,2,3)
(MIRA 18:5)

CHUL'SKIY, Leonid Aleksandrovich; SHUSTOVA, I.S., red.

[Stability in nature] Ustoichivost' v prirode. Moskva, Izd-vo "Znanie," 1965. 93 p. (Narodnyi universitet kul'tury: Estestvenno-nauchnyi fakul'tet, no.7) (MIRA 18:6)

BORISOV, Vladimir Borisovich, kand. fiz.-matem. nauk; SHUSTOVA, I.B., red.

[Fundamentals of thermodynamics and statistical physics] Osnovy termodinamiki i statisticheskoi fiziki. Moskva, Izd-vo "Znanie," 1965. 47 p. (Narodnyi universitet: Estestvenno-nauchnyi fakul'tet, no.9) (MIRA 18:8)

KUZNETSOV, Nikolay Timofeyevich; SHUSTOVA, I.B., red.; YASNOPOL'SKIY, B.F., red.

[Along the trails of wandering rivers; a hydrologist's notes] Po sledam bluzhdaiushchikh rek; zametki gidrologa. Moskva, Izd-vo "Znanie," 1965. 78 p. (Narodnyi universitet: Estestvenno-nauchnyi fakul'tet, no.8) (MIRA 18:8)

KULIKOV, K.A., doktor fiz.-matem.nauk, prof., nauchn.red.;
SHUSTOVA, I.B., red.

[Astronomy, oldest of all the sciences] Astronomiia - drevneishaia iz nauk. Moskva, Znanie, 1965. 37 p. (Narodnyi universitet: Estestvenno-nauchnyi fakul'tet, no.10)
(MIRA 18:10)