Solov'yev, Candidate of technical sciences; Ch. V by V. Ya. Solov'yev; Ch. VI by M. V. Mal'tsev and V. Ya. Solov'yev; Ch. VII, VIII and IX by M. V. Mal'tsev; and Ch. X by A. I. Baykov and M. V. Mal'tsev, who also edited the entire book.

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BAYKOV, A.M.

Petroleum production of Bashkiria in 1960-1961. Neft. khoz.39 no.7:1-5 Jl '61. (MIRA 14:6)
(Oil fields--Production methods)

VLADIMIROV, K.A.; GAYVORONSKIY, A.A.; YUZBASHEV, G.S.; BAYKOV, A.M.; SHANOVICH, L.P.; LOGVINOV, I.I.; IL'IN, N.G.; SAFIULLIN, M.N.

Effect of a cement ring on the capacity of casing strings to resist collapsing loads. Neft. khoz. 42 no.6:19-24 Je '64. (MIRA 17:8)

BAYKOV, A.V., inzhener.

Diesel motor car for inspecting contact lines. Elek.i tepl.tiaga no.9:47-48 S '57. (MIRA 10:10)
(Germany, East--Electric railroads--Testing)

BAYKOV, A. V.

AUTHOR: Baykov, A.V., Engineer 28-1-40/42

TITLE: Serious Inadequacies of an Important Manual (Ser'yeznye nedostatki nuzhnogo izdaniya)

PERIODICAL: Standartizatsiya, # 1, Jan-Feb 1957, p 92-93 (USSR)

ABSTRACT: The article presents a critical review of a manual for locomotive and railroad car building by D.A. Veis, A.A. Kokhtev, V.A. Lelyanov, V.A. Malynich, L.I. Povolotskiy, V.M. Raskatov, and G.S. Topornin (deceased), edited by Mashgiz in 1956. This is the first such manual ever edited in USSR. The manual does not, with rare exceptions, refer to 1955 state standards, but it does refer to many obsolete standards; the wording in references to standards is inaccurate, some important characteristics of materials are omitted, including some widely used materials. As a result, this manual, destined for "wide engineering circles, students and instructors", does not cover contemporary technique and cannot be used in many cases. All statements are made with references to the manual and the standards and facts concerned. The author says in conclusion that Mashgiz should not edit books which mislead the readers.

Card 1/1

ASSOCIATION: Ministerstvo putey soobshcheniya

AVAILABLE: Library of Congress

The Reliability of Electric Traction Engines Must Be Increased

is too small. Other effective insulating materials are mentioned. With regard to the low melting point of pewter-lead solder, which causes breakdowns in the collectors of the present locomotives, the new standard must require high-quality electric steel for the armature and poles as well as wear-resistant collector copper.

There are 4 Soviet references.

ASSOCIATION: Ministerstvo putey soobshcheniya SSSR (USSR Ministry of Railroads)

AVAILABLE: Library of Congress

Card 2/2

Baykov, A.

AUTHOR: Baykov, A.V., Engineer 28-4-30/35

TITLE: Unification of the Basic Norms in Railway Transport (Unifikatsiya osnovnykh normativov zheleznodorozhnogo transporta)

PERIODICAL: Standartizatsiya, 1957, # 4, pp 81-83 (USSR)

ABSTRACT: The article concerns the unification of railroads and rolling stock in the Communist bloc countries, where the track width is not uniform (1524 and 1435 cm) and various dimensions and rules uncoordinated.

Problems of general over-all dimensions, unification and electrification were discussed at 3 international (Communist countries) conferences. The first convened in 1955 (location not given), the second in 1956 in Praha, the third in 1957 in Moskva. Executive commissions for coordination in fulfilling the agreements, and special technical commissions for unification are at work.

Some parameters and characteristics have already been determined, such as for passenger cars, sleeping cars, dining cars(streamlined, with forced ventilation, air conditioning, floodlights and automatically controlled heating) and 4-axle freight cars, open cars, isothermic cars, tank cars. New passenger cars will be designed for speeds of 140-160 km/hr; new freight cars - for speeds of 100-120 km/hr. Recommenda-

Card 1/2

AUTHOR: Baykov, A.V., Engineer SOV/28-58-5-3/37

TITLE: Standardization in Railroad Transport (Standartizatsiya na zheleznodorozhnom transporte)

PERIODICAL: Standartizatsiya, 1958, Nr 5, pp 12 - 16 (USSR)

ABSTRACT: The author discusses some of the state standards adopted in railroad transport and covering: track, wheels, axles, fuel and lubricants, rolling stock, electrical equipment, tare and packing, artificial and synthetic materials, etc. Cases where the said standards are being replaced or revised are mentioned.

ASSOCIATION: Ministerstvo putey soobshcheniya (Ministry of Communications)

1. Railroads--Standards 2. Transportation--Standards
3. Lubricants--Standards 4. Electrical equipment--Standards

Card 1/1

AUTHOR: Baykov, A.V. SOV/28-58-5-35/37

TITLE: Book Review (Retsenziya)

PERIODICAL: Standartizatsiya, 1958, Nr 5, pp 88 - 90 (USSR)

ABSTRACT: This is a review of the book "The Technical and Economic Principles of Standardization in Mechanical Engineering" (Tekhniko-ekonomicheskiye printsipy standartizatsii v mashinostroyenii) by A.A. Kokhtev, published by Mashgiz in 1958.

1. Mechanical engineering--Standards

Card 1/1

BAYKOV, A.V., inzh.

New railroad cars produced in the German Democratic Republic.
Zhel. dor. transp. 40 no.3:81-86 Mr '58. (MIRA 11:4)
(Germany, Eastern--Railroad--Cars)

BAYKOV, A.V., inzh.

[redacted]

Immediate tasks of standardization in railroad transportation.
Zhel.dor.transp. 42 no.10:27-31 O '60. (MIRA 13:10)
(Railroads--Standards)

BAYKOV, Aleksey Vasil'yevich, inzh.; VARFOLOMEYEV, Ye.A., retsenzent; SHCHAPOV, N.P., retsenzent; KRISHTAL', L.I., red.; BOBROVA,

[Standardization in railroad transportation] Standartizatsiia na zheleznodorozhnom transporte. Moskva, Transzheldorizdat, 1962. 107 p. (MIRA 15:7)
(Railroads) (Standardization)

BAYKOV, A.V.

Standardization and speeding up of the technical progress. Zhel. dor. transp. 47 no.9:11-15 S '65. (MIRA 18:9)

1. Rukovoditel' sektsii standartizatsii Nauchno-tekhnicheskogo soveta Ministerstva putey soobshcheniya.

BAYKOV, A.V.

The road of progress. Standartizatsiia 29 no.9:16-19 S '65. (MIRA 18:12)

1. Nauchno-tekhnicheskiy sovet Ministerstva putey soobshcheniya.

AKULINICHEV, I.T.; ANDREYEV, L.F.; BAYEVSKIY, R.M.; BAYKOV, A.Ye.; BUYLOV, G.G. GAZENKO, O.G.; GRYUNTAL', R.G.; ZAZYKIN, K.P.; KLIMENTOV, Yu.F.; MAKSIMOV, D.G.; MERKUSHKIN, Yu.G.; MONAKHOV, A.V.; PETROV, A.P.; RYABCHENKOV, A.D.; SAZONOV, N.P. ; UTYAMYSHEV, R.I.; FREYDEL', V.R.; KHIL'KEVICH, B.G.; SHADRINTSEV, I.S.; SHEVANDINA, S.B.; ESAULOV, N.G.; YAZDOVSKIY, V.I.

Method and means of medical and biological studies in a space flight. Probl. kosm. biol. 3:130-144 '64. (MIRA 17:6)

L 08276-67 FSS-2/EWT(1)/FSC(L)-2 SCTB

ACC NR: AT6036472 SOURCE CODE: UR/0000/66/000/000/0018/0019

AUTHOR: Akulinichev, I. T.; Baykov, A. Ye.; Vasil'yev, P. V.; Kas'yan, I. I.; Maksimov, D. G.; Uglov, A. Ye.; Chekhonadskiy, N.A.

ORG: none

TITLE: Some data from electrophysiological investigations conducted on the crew of the Voskhod-2 during spaceflight (Paper presented at the Conference on Problems of Space Medicine held in Moscow from 24-27 May 1966)

SOURCE: Konferentsiya po problemam kosmicheskoy meditsiny, 1966. Problemy kosmicheskoy meditsiny. (Problems of space medicine); materialy konferentsii, Moscow, 1966, 18-19

TOPIC TAGS: space physiology, manned space flight, Leonov, extravehicular activity, cardiology, cardiovascular system, electrooculogram, electrocardiogram, body temperature, electrophysiology, respiration, heart rate / Voskhod-2

ABSTRACT:
Electrocardiograms, pneumograms, seismocardiograms, and electro-oculograms were registered on the Voskhod-2 cosmonauts, Belyayev and Leonov. In addition, Leonov's body temperature was measured. After the spaceship attained orbit, the frequency of cardiac contractions continued to increase and to exceed the levels registered

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during active acceleration. These changes in pulse rate were due to the preparations for Leonov' s EVA. During EVA, their heart rates reached the maximums of 129 and 162 beats/min. By the third orbit, the heart rate and respiration frequencies of the two cosmonauts became normal, equaling prelaunch magnitude. Further changes were comparable to those noted in preceding flights. The lowest heart rates were recorded during the seventh orbit. From the thirteenth to the eighteenth orbit there was a gradual increase in the rate of cardiac contractions (86—111) and an increase in respiration rate up to 18—20 cycles/min, which was related to the performance of a series of tasks according to the program, and to the emotional strain induced by preparation for manual re-entry.

Analysis of the EKG indicated that the significance of the Q—T and R—R intervals in both cosmonauts corresponded to changes in frequency of the heart rate. The lability of the Q—T coefficient was higher at the beginning and end of the flight in both cosmonauts and diminished noticeably during the middle of the flight. The same was observed in relation to the amplitude of the EKG peaks. The duration of the mechanical systole in general followed changes in pulse rate from the third to the sixteenth orbit; the duration of Leonov' s mechanical systole varied from 0.32—0.35

L 08276-67

ACC NR: AT6036472

sec. During the 17th and 18th orbits, the duration of the mechanical systole diminished to 0.29—0.27 sec simultaneously with an increase in the pulse rate. Electromechanical lag was determined only in Leonov and during various times of the flight varied from 0.02—0.06 sec.

Oculomotor activity during the first two orbits rose in both cosmonauts to 105—111 movements/min. During the third and fourth orbits the number of oculomotor reactions diminished and after that varied within relatively low limits: 10—40 movements/min. The dynamics of the electro-oculogram corresponded to changes in the pulse and respiration frequency and reflected, apparently, the general condition of the cosmonauts. An analysis of the amplitudes and the curve of the EOG indicated that eye movements in the cosmonauts were rather symmetrical during the entire duration of the flight.

Leonov's armpit temperature varied during the flight from 35—37.6°C. The higher temperatures were recorded during the 2nd, 16th, and the 17th orbits. This can be explained by emotional strain and performance of physical tasks by the cosmonaut. [W. A. No. 22; ATD Report 66-116]

SUB CODE: 06,22 / SUBM DATE: 00May66

Card 3/3 vmb

ACC NR: AP7000684 A, N SOURCE CODE: UR/0240/66/000/012/0003/0006

AUTHOR: Baykov, B. K. (Candidate of medical sciences); Fel'dman, Yu. G.

ORG: Moscow Scientific Research Institute of Hygiene im. F. F. Erisman (Moskovskiy nauchno-issledovatel'skiy institut gigiyeny); Central Scientific Research and Design Institute of City Planning, Moscow (Tsentral'nyy nauchno-issledovatel'skiy i proyektnyy institut po gradostroitel'stvu)

TITLE: Air pollution from automobile exhaust gases as a factor in planning streets and living quarters

SOURCE: Gigiyena i sanitariya, no. 12, 1966, 3-6

TOPIC TAGS: air pollution, air pollution control, exhaust gas

ABSTRACT: In 1963-64 a study was conducted of 712 air samples, 353 for carbon monoxide, 258--nitric acid, and 101 for formaldehyde. Selection and analysis of the material was carried out by the M. V. Alekseyev method. In Volgograd, automobiles (800-900/hr) were observed for 1.5-2 hrs, temperature--19-29°C, 0.5-4 m/sec wind velocity, and relative humidity of 30-77%. In Moscow, observations were made of 1000-1100 machines/hr, wind velocity--0.5-2.2 sec, at a temperature of 4-9°C and relative humidity 77-88%. It was found that a strip of thickly grown green plants in an area of 10 m width and 4-6 m height is 3 times more effective as protection against the gases than sparse-

Card 1/2 UDC: 614.72:614.78

ACC NR: AP7000684

ly planted trees covering a similar area. Under the same traffic conditions, a block with linear building structure gives better protection against fumes than houses built perimetrically, with angular blocking of houses and separated by small spaces. Orig. art. has: 2 figures, 3 tables.

SUB CODE: 06/ SUBM DATE: 14May66/ ORIG REF: 001

Card 2/2

BAYKOV, B.K.; MELKHINA, V.P.; Prinimali uchastiye: VASIL'YEV, A.S.; KATSENELENBAUM, M.S.; KOMAROVA, A.A.; ZHIGULINA, L.A.; TERNOVSKAYA, L.N.; YUSHKO, Ya.K.; CHUMAK, K.I.; GUSEL'NIKOVA, E.L.; KETOVA, O.N.

Hygienic characteristics of air pollution in Gubakha and its effect on health of the population. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no.6:21-25 '60. (MIRA 14:11)
(NIZHNYAYA GUBAKHA—AIR—POLLUTION)

BAYKOV, B.K.

Hygienic basis for a sanitary protective zone for Kuzbass Open Coal Mine. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no.6: 45-47 '60. (MIRA 14:11)

(KORKINO—AIR—POLLUTION)
(COAL MINES AND MINING—HYGIENIC ASPECTS)

BAYKOV, B.K., mladshiy nauchnyy sotrudnik; SHUL'GIN, V.I., tekhnik.
Prinimal uchastiye: KUZIN, N.D.

Apparatus for using automatic control in the continuous innoculation of animals. Pred. dop. kontsent. atmosf. zagr. no.7:99-104'63. (MIRA 16:10)

1. Iz Moskovskogo nauchno-issledovatel'skogo instituta gigiyeny imeni F.F.Erismana.
(AIR — POLLUTION) (AUTOMATIC CONTROL)
(INNOCULATION)

BAYKOV, B.K.

Some data on the hygienic evaluation of the combined effect of carbon disulfide and hydrogen sulfide simultaneously present in the air. Prad.dop.kontsent.atmosf.zagr. no.8:127-137 '64. (MIRA 18:4)

1. Iz Moskovskogo nauchno-issledovatel'skogo instituta gigiyeny imeni Erismana i kafedry kommunal'noy gigiyeny Tsentral'nogo instituta usovershenstvovaniya vrachey.

BAYKOV, B.P.; SOKOLOV, V.S.

Practice of the Central Research Institute of Diesel Engines in constructing experimental stands for investigating operating processes of diesel engines. TRUDY TSNIDI no.39:23-38 '60.
(MIRA 15:8)
(Diesel engines--Testing)

BAYKOV, B.P., kand.tekhn.nauk; BORDUKOV, V.T., inzh.; SOKOLOV, V.S., kand. tekhn.nauk; LAZAREV, A.A., inzh.; POPOV, V.N., knad.tekhn.nauk; SUKHOV, Ye. I., inzh.

Results of turbocharging of the KDM-100 engines. Izv.vys.ucheb. zav.; mashinostr. no.5:37-46 '62. (MIRA 15:10)

1. TSentral'nyy nauchno-issledovatel'skiy dizel'nyy institut i Chelyabinskiy traktornyy zavod.
(Tractors—Engines—Superchargers)

L 24438-66 EWT(d)/EWT(m)/EWP(f)/T-2 WE

ACC NR: AP6006396 (A) SOURCE CODE: UR/0413/66/000/002/0141/0141

27
B

AUTHORS: Baykov, B. P.; Bordukov, V. T.; Deych, R. S.; Luk'yanchenko, B. S.

ORG: none

TITLE: Equipment for supercharging internal combustion engines. Class 46, No. 178243 [announced by Central Scientific Research Diesel Institute (Tsentral'nyy nauchno-issledovatel'skiy dizel'nyy institut)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 2, 1966, 141

TOPIC TAGS: internal combustion engine component, supercharger

ABSTRACT: This Author Certificate presents equipment for supercharging internal combustion engines, containing two turbines operating in the exhaust gases from the engine. One turbine drives the supercharger compressor and the other drives a blower which draws air through the engine condenser (see Fig. 1). To increase the efficiency of the engine at partial cycles, the turbines are inserted in series along the gas passage.

Card 1/2 UDK: 621.43.068.9—713.1 621.43.052—713.1

L 24438-66

ACC NR: AP6006396

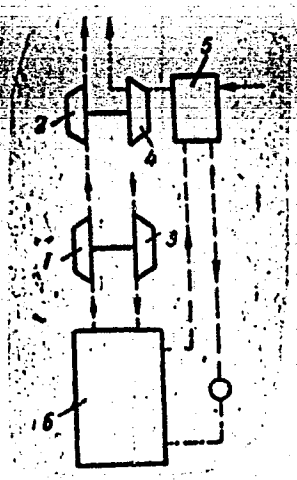

Fig. 1. 1 - Gas turbine of turbocompressor; 2 - gas turbine of turboblower; 3 - supercharger compressor; 4 - blower; 5 - condenser; 6 - engine.

Orig. art. has: 1 diagram.

SUB CODE: 21/ SUBM DATE: 16Nov64

Card 2/2

Baykov, D.I.

18(7) PHASE I BOOK EXPLOITATION SOV/1858

Metallovedeniye; sbornik statey, [vyp.] 2 (Study of Metals; Collection of Articles, [Nr] 2) [Leningrad] Sudpromgiz, 1958. 265 p. 4,000 copies printed.

Resp. Ed.: G.I. Kapyrin, Candidate of Technical Sciences; Ed.: Ye. A. Krugova; Tech. Ed.: K.M. Volchok.

PURPOSE: This book is intended for metallurgists and metallurgical engineers.

COVERAGE: This is the second volume of collected scientific papers dealing with various problems in physical metallurgy, particularly in mechanical metallurgy and metallography. Topics covered include hydrogen embrittlement, intragranular distribution of elements in alloys, effect of tempering on carbon redistribution, use of tritium to investigate certain phenomena in metals, effect of certain alloying elements on temper brittleness and hardenability of steel, strength of notched specimens of brittle steel, effect of strain hardening on the properties of an aluminum alloy, etc. The articles are concerned mainly with various types of steel, though some deal with nonferrous alloys.

Card 1/5

Baykov, D.I., Candidate of Technical Sciences. Properties of AMg5V Alloy After Strain Hardening 81

The material investigated was an aluminum-base alloy with addition of approximately 5.3% Mg, 0.4% Mn, 0.14% V, 0.06% Cu, 0.26% Fe, 0.07% Zn, and 0.12% Si. Author's conclusions. (1) Strain hardening increases yield strength both under tension and compression but somewhat more under tension (Bauschinger effect). Strain aging of the material equalizes the yield strength under tension and compression, which can be explained by the partial relief of residual stresses. (2) The strength of strain-hardened specimens remains practically constant during fatigue testing. (3) The strength of strain-hardened welded joints remains the same as that of welded joints which have not been strain-hardened, amounting to 85-95% of the strength of the base metal. (4) Strain hardening can be used for increasing the strength of aluminum-magnesium alloys.

SOV/137-59-7-15083

Translation from: Referativnyy zhurnal, Metallurgiya, 1959, Nr 7, pp 126 - 127 (USSR)

AUTHOR: Baykov, D.I.

TITLE: Properties of AMg5V Alloy in Cold Working by Stretching

PERIODICAL: V sb.: Metallovedeniye, 2, Leningrad, Sudpromgiz, 1958, pp 241 - 250

ABSTRACT: Mechanical properties of 8 - 30 mm thick AMg5V alloy, subjected to cold working by stretching, were determined. Tests were carried out under conditions immediately after cold working and after ageing of cold worked strips at 100°C for 100 hours. The degree of deformation by stretching (ε_r) was 0; 3.4; 4; 5.6 and 7.6%. Weld specimens were produced by Ar-arc welding with electrodes of the same composition as the base metal. From 30-mm thick plates round specimens were manufactured and subjected to stretching and subsequent ageing, for compression and fatigue tests. It was stated that with an increase of ε_r up to 7.6%, $\sigma_{0.2}$ increased from 12.8 to 23.7 kg/mm^2 for specimens cut alongside the rolled metal; and from 12.7 to 20 kg/mm^2 for transversal cut specimens. δ was correspondingly reduced from 28.6 to 22.5% and from 28.3 to 18.5%, σ_b and ψ did not considerably change. After heat treatment strength properties were slightly

Card 1/2

Properties of AMg5V Alloy in Cold Working by Stretching SOV/137-59-7-15083

reduced due to the partial elimination of stress caused by cold working. In the state when $\varepsilon_1 = 0$ the material did not change its properties subsequently to heat treatment. In compression $\sigma_{0.2}$ increased with higher ε_1 somewhat less than in stretching (Bauschinger effect) and was at $\varepsilon_1 = 7.6\%$, without ageing, 22.4 kg/mm^2, and after ageing, 20.0 kg/mm^2. The bending angle did practically not change with higher ε_1 and was $\sim 160°$. The reduction of critical fatigue stress of cold worked specimens was not regular and σ_ω could be considered as practically constant. The location of the break in the weld joints did not depend upon ε_1, and generally the rupture coincided with the seam zone. σ_b of hot-rolled and cold worked alloy welds remained constant and was 85 - 95% of the base metal σ_b. It is pointed out that in connection with reduced corrosion resistance of AMg5V alloy, final recommendations as to its use can only be given after extended laboratory and industrial tests.

G.K.

Card 2/2

(1) 18(6) SE I BOOK EXPLOITATION SOV/3217

Baykov, Dmitriy Ivanovich, Yuliy Semenovich Zolotorevskiy, Vladimir Leonidovich Russo, and Tamara Konstantinovna Ryazhskaya

Svarivayushchiyesya alyuminiyevyye splavy; svoystva i primeneniye (Weldable Aluminum Alloys; Properties and Application) Leningrad, Sudpromgiz, 1959. 234 p. 4,300 copies printed.

Ed.: Yu. S. Kazarov; Tech. Ed.: L. I. Levochkina.

PURPOSE: This book is intended for production engineers and designers working with corrosion-resistant weldable aluminum alloys.

COVERAGE: The authors describe properties of corrosion-resistant weldable aluminum-magnesium alloys, their production, machining, welding and riveting. They give data on corrosion resistance and on the effect of the rate of loading, temperature, and notching on the properties of the alloys. The authors discuss special cases and some characteristic features of designing aluminum alloy constructions, giving examples of the application of aluminum alloys in shipbuilding and railroad rolling stock. The following personalities are mentioned as having contributed to the compilation of this book:

Card 1/5

V. G. Azbukin, Yu. A. Belyakov, K. S. Bolotova, V. G. Danchenko, Z. I. Ivanova, I. V. Korchazhinskaya, I. A. Nezhnikovskiy, A. I. Pas', A. N. Polubotko, I. P. Prosyankin, V. S. Rudometov, Yu. S. Ryabushkin, Z. G. Sokolova, Ye. I. Tarakanchikova, and M. M. Chikhanova. The authors also express their thanks to K. S. Bolotova, P. N. Yefimov, Ye. I. Tarakanchikova, I. A. Travnikova and M. M. Chikhanova for their help in processing the material. There are 65 references, 42 Soviet, 10 English, 10 German, and 3 French.

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Weldable Aluminum Alloys SOV 3217

AVAILABLE: Library of Congress

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VK/fal
3-25-60

PAVLOV, Aleksandr Ivanovich; POTING, Yekaterina Leonidovna; BAYKOV, D.I., retsenzent; KYBALKO, B.V., retsenzent; KUSKOVA, A.I., red.; TSAL, R.K., tekhn. red.

[Use of aluminum alloys in shipbuilding] Primenenie aliuminievykh splavov v sudostroenii. Leningrad, Gos. soiuznoe izd-vo sudostroit. promyshl., 1961. 290 p. (MIRA 14:11)
(Shipbuilding—Equipment and supplies) (Aluminum alloys)

BOYTSOV, Gennadiy Vladimirovich; NEBYLOV, Vladimir Matveyevich; TAUBIN, Georgiy Osipovich. Prinimal uchastiye SHAVROV, Yu.N.; BAYKOV, D.I., kand. tekhn.nauk, retsenzent; KOROTKIN, Ya.I., kand. tekhn.nauk, retsenzent; SHAKHNOVA, V.M., red.; TSAL, R.K., tekhn. red.

[Strength of ship structures from aluminum alloys; design and calculations] Prochnost' sudovykh konstruktsii iz aliumineievykh splavov; proektirovanie i raschet. Pod obshchei red. G.O.Taubina. Leningrad, Sudpromgiz, 1962. 211 p. (MIRA 15:7)
(Hulls (Naval architecture)) (Aluminum alloys)

BANNIKOV, A.G.; TYUMENETS, Vasiliy; PETLIN, Ivan; BAYKOV, Fedor

[First Russian travelers in Mongolia and Northern China] Pervye russkie puteshestvenniki v Mongoliiu i Severnyi Kitai: Vasilii Tiumenets, Ivan Petlin, Fedor Baikov. [Izd. 2.] Moskva, Gos. geograficheskoe izd-vo, 1954. 52 p. (MLRA 8:11)
(Mongolia--Description and travel) (China--Description and travel)

BAYKOV, F.Ya.

Improving infusion apparatus. Apt. delo 9 no.3:76 My-Je '60.
(MIRA 14:3)

(DRUGSTORES--EQUIPMENT AND SUPPLIES)
(WATER HEATERS)

BAYKOV, F.Ya.

Industrial excursion of grade six students to a tractor service station. Uch. zap. Velikoluk. gos. ped. inst. no.16:54-57 '61. (MIRA 16:7)

(Industrial tours)

BAYKOV, F.Ya. (Velikiye Luki)

Automatic control with a signal thermometer. Apt. delo 10 no.3: 59-61 My-Je '61. (MIRA 14:7)
(PHARMACY--EQUIPMENT AND SUPPLIES)

BAYKOV, F.Ya. (Velikiye Luki)

Providing distilled water for pharmacies by means of an electrical suction device. Apt. delo 10 no.4:63-64 Jl-Ag '61. (MIRA 14:12)
(WATER, DISTILLED)

BAYKOV, F.Ya. (Velikiye Luki)

Connection between extracurricular work in physics and production. Fiz. v shkole 22 no.3:80-82 My-Je '62. (MIRA 15:7)
(Physics--Study and teaching) (Physical instruments)

BAYKOV, F.Ya.

Development of keenness of observation and the extent of participation in extracurricular work. Fiz. v shkole 23 no.3:68-70 My-Je '63. (MIRA 16:12)

1. Pedagogicheskiy institut, Velikiye Luki.

BAYKOV, F.Ya.

Tomatoes in an electric field. Priroda 54 no.1:93 Ja '65.
(MIRA 18:2)

1. Velikoluksky pedagogicheskiy institut.

BAYKOV, G., inzhener

"Tandem"-type milking parlor. Sel'.stroi. 14 no.6:20-21 Je '59. (MIRA 12:9)
(Dairy barns)

BAYKOV, G.P. (Leningrad, ul. Dekabristov, d.52/2, kv.5)

Blood supply of sinus walls of the dura mater in man. Arkh.anat. gist. i embr. 35 no.3:76-79 My-Je '58 (MIRA 11:7)

1. Kafedra normal'noy anatomii (zav. - prof. A.V. Shilov) Leningradskogo pediatricheskogo meditsinskogo instituta.
(DURA MATER, blood supply of sinus walls (Rus))

BAYKOV, G.K.

USSR/Cultivated Plants - Fruits and Berries. M-5

Abs Jour : Ref Zhur - Biol., No 3, 1958, 11023

Author : Baykov, G.K.
Inst :
Title : Growing Grapevines in the Bashkir ASSR.

Orig Pub : Byul. Gl botan. sada. AN SSSR, 1956, No 24, 100-101

Abstract : Brief data are given on contemporary grape cultivation in Bashkiriya. For forced spreading of the frost-resistant and high-yield varieties the author recommends the utilization of cuttings acquired in the spring (final) pruning. They put out shoots and roots from each bud, permitting 3-4 seedlings to be acquired from each rooted cutting in the autumn.

Institut biologii Bashkirskogo filiala Akademii nauk SSSR.

Card 1/1 25

Baykov, G.K.

AUTHORS: Sergeyev, L. I., Baykov, G. K.

TITLE: On the Vernalization Stage in Arboreal Plants (O stadii yarovizatsii drevesnykh rasteniy)

PERIODICAL: Doklady AN SSSR, 1957, Vol. 116, Nr 3, pp. 510-513 (USSR)

ABSTRACT: The reaction of certain groups of plants on a decrease of temperature is actually called vernalization. This reaction is connected with a certain stage of development of the plant as a whole (hibernal- and 2 years froms) or of one stage of its new formations (several years old forms). The first author has enounced the thesis that the buds of a tree pass each year through a stage of vernalization. This thesis can be concluded from Darwin, Timiryazev a.o.: periodical repetition of the vegetal growth and biological similarity of both seed and buds. Nevertheless some authors persist in their contradictions against such a conception. Further, the authors controvert against Nesterovs' statements. The discussion on the questions of the stages with arboreal plants shows both the topicality and theinsufficient treatment of these questions. The results of the investigations on the vernalization of the buds are partly set forth in this treatise. The vegetation test was made with 3 species of Pyrus malus , 1 prunus cerasus (both 2 years of age) and with prunus fruticosa, ribes nigrum , (gooseberry) and amelanchier spicata (an Eastern

species of grape-pear). In order to determine the period of vernalization, the plants were kept in open air and brought in room temperature in certain intervals. The datas of the shooting of the buds (of both vegetative and generative) are summarized in table 1. The authors determined theperiod of the stage of vernalization of both the vegetative and generative buds of the test plants with respect to orientation by using meteorological data. For this purpose the number of days was calculated with a medium temperature below 10oC (the vernalizationcontinues also beyond a remarkable range below 10°C) until thecarrying of the plants into the room. Moreover it was considered that the shooting of the buds of the plants which were brought into theroom, should take place in the course of 30 to 40 days at themost. In the case of pyrus malus the vernalization of the vegetative buds was closed only towards February. During the experiments, this date was by a 114 days period of lowest temperatures. In this variant of experiments (see table 1) the period of vernalization of the buds (with respect to orientation) is understood to embrace 84 days. The coming into blooms in room temperature has taken place after 28 to 34 days. Attention should be paid to the shooting of some individual vegetative point-shaped buds in lower temperature did not attain 2 to 3 months yet. The cause may be looked for in an accumu-

On the Vernalization Stage in Arboreal Plants. 20-3-4/46

ASSOCIATION: Institute of Biology of the Bashkir Branch of the AN USSR (Institut biologii Bashkirskogo filiala Akademii nauk SSSR)

PRESENTED: June 24, by A. L. Kursanov, Academician

SUBMITTED: December 1o, 1956

AVAILABLE: Library of Congress

Card 4/4

BAYKOV, G.K.

Acclimatization experiments with Metasequoia glyptostroboides Hu et Cheng at the Botanical Garden of the Bashkir Branch of the Academy of Sciences of the U.S.S.R. Bot. zhur. 44 no.7:1004-1007 Jl '59. (MIRA 12:12)

1. Bashkirskiy filial AN SSSR, g.Ufa.
(UFA—Metasequoia)

BAYKOV, I.I. (Kol'chugino)

Specialization is the road toward further successes. Shvein.prom. no.2:23-24 Mr-Ap '60. (MIRA 13:11)
(Clothing industry)

84965

S/056/60/039/003/051/058/XX
B006/B070

24.6100

AUTHOR: Baykov, I. S.

TITLE: Polarization of Internal Conversion Electrons Emitted After Beta Decay of Oriented Nuclei

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1960, Vol. 39, No. 3(9), pp. 624 - 632

TEXT: The polarization of internal conversion electrons emitted by unpolarized nuclei after beta decay has been studied several times before. The purpose of the present paper is to complete the results obtained earlier. It makes a theoretical study of the mixed conversion transitions from three L-subshells and of pure transitions from the L_{III} subshell. It is shown that a more accurate information on the β-interaction constants can be obtained from a study of the polarization correlation of β-particles and the conversion electrons following the β-decay of oriented nuclei. The cascade $I_i \xrightarrow{\beta} I_1 \xrightarrow{\text{conv. el.}} I_2$ is considered. The

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Polarization of Internal Conversion Electrons Emitted After Beta Decay of Oriented Nuclei

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B006/B070

following assumptions are made: The spin $\vec{I}_i$ of the oriented nucleus is along the z-axis, the direction of the emitted β-particle is given by its momentum $\vec{p}$, and the direction of emission of the conversion electron is given by the unit vector $\vec{n}$. Now, the polarization of a conversion electron $\langle\vec{\sigma}\rangle = \mathrm{Sp}\, P\vec{\sigma}/\mathrm{Sp}\, P$ ($\frac{1}{2}\langle\vec{\sigma}\rangle$ is the mean value of the spin of the electron in the rest system) is studied, account being taken of the electric field of the nucleus. An explicit formula is obtained for $\langle\vec{\sigma}\rangle$, which gives the polarization of the conversion electron for any multipole mixture. The author gives the polarization for an unoriented initial nucleus. Finally, a formula for $\langle\vec{\sigma}\rangle$ is given for the special case of an M1 - E2 mixture, with the initial nucleus being unpolarized and the β-transition being allowed. In an appendix, the polarization parameters for M1E2, M1, and E2 transitions are tabulated (Tables 1-10) for unoriented nuclei with Z = 57, 65, 73, and 81 u transition energies from 0.1 to 0.7 for conversions from the L_I, L_{II}, and L_{III} shells. Radial integrals of L. A. Sliv were used for the calculations. The correlation

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L 17133-63 EWT(1)/EWG(k)/BDS/EEC(b)-2/ES(w)-2 AFFTC/ASD/ESD-3/AFWL/
ACCESSION NR: AP3003965 LJP(C)/SSD Pz-4/Pi-4/ S/0057/63/033/007/0890/0892
Po-4/Pab-4

83
79

AUTHOR: Baykov, I.S.; Ramazashvili, R.R.

TITLE: Equalization of the temperature of charged particles in a plasma

SOURCE: Zhurnal tekhnicheskoy fiziki, v.33, no.7, 1963, 890-892

TOPIC TAGS: plasma, temperature relaxation

ABSTRACT: The usual expression for the ion-electron temperature relaxation time, derived on the basis of the Maxwellian velocity distribution, does not agree with recent numerical calculations of the energy transfer from hot ions to cold electrons (J.Killen, W.Heckrotte, C.Boer, UCRL-6383, 1961). In the present paper a correction to the formula for the relaxation time is derived with deviations of the electron velocities from the Maxwellian distribution taken into account. The electron distribution function is expressed as the product of a Maxwellian distribution function and a correction factor, and the correction factor is expanded in a series of associated Laguerre polynomials. This corrected distribution function is inserted into the kinetic equation, and a system of differential equations is obtained for the temperatures and the expansion coefficients. The ion temperature is assumed to remain constant, and only the lowest order expansion coefficient is retained in the

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in the correction to the electron distribution function. The resulting differential equation is solved for the electron distribution function with the further assumption that the quantity $m_i T_0 / m_0 T_i$ is large. An integral occurring in the solution is tabulated. With the aid of the corrected electron distribution function, a corrected equation is obtained for the time derivative of the electron temperature. The corrected electron distribution function indicates the presence of fewer low energy electrons than would be found in a Maxwellian distribution for the same temperature. This is in qualitative agreement with the numerical calculations cited above. "In conclusion, we express our gratitude to A.A.Rukhadze for suggesting the problem and to V.P.Silin and L.M.Kovrizhnykh for valuable discussions." Orig.art. has: 14 formulas and 1 table.

ASSOCIATION: Fizicheskiy institut im.P.I.Lebedeva, Moscow (Physical Institute)

SUBMITTED: 29Jun62 DATE ACQ: 07Aug63 ENCL: 00

SUB CODE: PH NO REF SOV: 002 OTHER: 003

L 10655-66 EWT(1)/ETC/EPF(n)-2/EWG(m) IJP(c) AT

ACC NR: AP5028304 SOURCE CODE: UR/0057/65/035/011/1913/1924

AUTHOR: Baykov, I.S.; Rukhadze, A.A.

ORG: Physics Institute im. P.N.Lebedev, Moscow (Fizicheskiy institut)

TITLE: Excitation of oscillations in opposing streams of nonuniform plasma

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 35, no. 11, 1965, 1913-1924

TOPIC TAGS: plasma beam, plasma stability, nonuniform plasma plasma magnetic field, magnetic trap

ABSTRACT: The authors discuss the stability of two identical nonuniform streams of plasma moving in opposite directions parallel to a strong external magnetic field, the velocities, temperatures, and densities of the streams being assumed to vary in a direction perpendicular to the motion. The calculations for nonuniform streams were undertaken in an effort to account for the poor agreement with experiment of the analogous theory previously developed for uniform streams. The treatment is based on the kinetic equation without collision terms, from which dispersion equations are derived in the geometric optics approximation. It is shown that the nonuniformity of the streams strongly affects their stability only at frequencies below at least one of the relevant Larmor frequencies. Separate dispersion equations are derived and discussed for frequencies below the ion Larmor frequency and between the ion and electron Larmor frequencies. Owing to the nonuniformity there are in-

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ACC NR: AP5028304

stabilities at these frequencies which are not damped by the external magnetic field; expressions are derived for the corresponding logarithmic increments. Instabilities of this type should occur in the closed magnetic trap described recently by G.M.Batanov et al. (DAN SSSR, 160, No. 6,1965) at frequencies from 10^5 to 10^8 cycle/sec; it is suggested that the resulting oscillations may give rise to anomalous diffusion of the plasma transverse to the magnetic field and thus account for the short life of the plasma in this installation.

SUB CODE: 20 SUBM DATE: 02Mar 65/ ORIG.REF: 007 OTH REF: 002

HW

Card 2/2

L 41231-66 EWT(1) IJP(c) AT

ACC NR: AP6018745 SOURCE CODE: UR/0057/66/036/006/1137/1140

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69
13

ACCOUNT: Baykov, I.S.

ORG: Physics Institute im. P.N.Lebedev, Moscow (Fizicheskiy institut)

TITLE: On the stabilization of hydrodynamic drift oscillations in a nonuniform rotating cylindrical plasma

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 36, no. 6, 1966, 1137-1140

TOPIC TAGS: plasma stability, plasma instability, nonuniform plasma, magnetic field, electric field

ABSTRACT: This paper is concerned with stabilization by a nonuniform radial electric field of the long wavelength hydrodynamic oscillations of a nonuniform plasma cylinder in a longitudinal magnetic field. It is assumed that the strength of the radial electric field is proportional to the distance r from the axis, that the ion density is a Gaussian function of r, and that the magnetic pressure is much higher than the kinetic pressure. The linearized equation for potential oscillations, based on the kinetic equation and the self-consistent Maxwell field, is written for oscillations of frequency f such that $|f - Lu|$ is small compared with the ion Larmor frequency and large compared with the product of the longitudinal wave number by the electron thermal velocity. Here L is the azimuthal wave number and u is the frequency of the drift rotation of the plasma cylinder in the crossed fields. From that equation there are

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ACC NR: AP6018745

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derived expressions for the complex frequencies of the oscillations. The resulting stability condition differs from that obtained in the geometric optics approximation by I.S.Baykov, L.S.Bogdankevich, and A.A.Rukhadze (Preprint A-92, FIAN, 1964; Yadernyy sintez, 5, No.4, 1965) only in the numerical values of the coefficients. The radial electric field tends to stabilize all the long wavelength oscillations with frequencies lower than the Larmor and drift frequencies of the particles. It is suggested that the mechanism discussed here may have been responsible for the stability of the rotating plasmas in the experiments of C.McLane and T.Tsukishima (Radio Science, J.Res., NBS, 69D, No.3, 1965). The authors thank V.P.Silin and A.A.Rukhadze for discussions and valuable remarks. Orig. art. has: 12 formulas.

SUB CODE: 20 / SUBM DATE: 11Aug65/ ORIG. REF: 003/ OTH REF: 002

Card 2/2 MLP

L 04405-67 EWT(1) IJP(c) AT

ACC NR: AP6034422 SOURCE CODE: UR/0386/66/004/008/0299/0302

AUTHOR: Baykov, I. S.

63
B

ORG: Physics Institute im. P. N. Lebedev, Academy of Sciences SSSR (Fizicheskiy institut Akademii nauk SSSR)

TITLE: Hydrodynamic drift-dissipative instabilities of a plasma with non-uniform temperature

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniye, v. 4, no. 8, 1966, 299-302

TOPIC TAGS: plasma instability, plasma dynamics, plasma temperature, plasma diffusion

ABSTRACT: The author shows by investigating the stability of the initial state of a plasma against potential perturbations that allowance for the plasma temperature and viscosity inhomogeneities leads to the appearance of a number of new low-frequency instabilities in an inhomogeneous plasma with collisions. The existence of the instabilities is deduced from a dispersion relation based on the linear equations of hydrodynamics. Various conditions under which they exist are determined. It is also shown that the obtained instabilities lie in the same frequency region both for isothermal and nonisothermal plasma. Being of the long-wave type, they can lead to anomalously large diffusion with a coefficient of the order of magnitude of that for Bohm diffusion. The author thanks V. P. Silin and A. A. Rukhadze for advice and a useful discussion of the results of this work. Orig. art. has: 14 formulas.

SUB CODE: 20/ SUBM DATE: 16Jul66/ ORIG REF: 003

Card 1/1 vmb

PAYKOV, I.V., kand. tekhn. nauk

Effect of horizontal photographic-surveying control on the accuracy of the determination of small areas from aerophotographic plans of flat country. Izv. vys. uchob. zav.; geod. i aerof. no.2:100-102 '64. (MIRA 17:9)

1. Novocherkasskiy politekhnicheskiy institut imeni Ordzhonikidze. Rekomendovana kafedroy geodezii.

BAYKOV, I.Ya. (Gazalkent, Uzbekskaya SSR)

Arithmetic calculations in construction work. Mat.v shkole no.4:40-42 Jl-Ag '59. (MIRA 12:11)
(Arithmetic, Commercial--Construction industry)

BAYKOV, K.I.; PETUKHOV, S.P.

Circular broaching method for cutting straight-toothed bevel gears. Stan. i instr. 26 no.8:11-13 Ag '55. (MLRA 8:12)
(Gear cutting)

BAYKOV,K.I.; PETUKHOV,S.P.

Cutting tapered straight-toothed gears by the method of circular broaching. Stan. i instr.26 no.10:27-29 O'55. (MLRA 9:1)
(Gear cutting) (Broaching machines)

BAYKOV, K. M.

4647. Nash opyt polucheniya vysokikh vroshayev zernovykh i maslichnykh kul'tur (Kolkhoz "yangi-turmushch" chishmiv. rayona bashkir assr). M., 1954. 18 c. 19 cm. (Glav. vpr. s-kh propagandy i nauki m-va sel'skogo khozyaystva RSFSR.) 25.000 Ekz Bespl. - (55-167) p 633.1 ct + 633.58 ct) (47.83)

SO: Letopis' Zhurnal'nykh Statey, Vol. 7, 1949

BAYKOV, L.N.

"Methods of alloying and producing sintered Nb-base alloys."

TITLE: The Sixth All-Union conference on Powder Metallurgy (Held at Moscow, 21 November 1962

SOURCE: Poroshkovaya metallurgiya, no. 3, 1963. p. 110

BAYKOV, M.A.

Some peculiarities of mining systems used in cross pitching seams.
Trudy Inst.gor.dela 3:20-27 '56. (MLRA 9:8)
(Kuznetsk Basin--Coal mines and mining)

Барков, М.А.

14(5) PHASE I BOOK EXPLOITATION SOV/1944

Akademiya nauk SSSR. Institut gornogo dela

Nauchnyye problemy vskrytiya i razrabotki mestorozhdeniy poleznykh iskopayemykh (Scientific Problems in Developing and Exploiting Mineral Deposits) Moscow, Izd-vo AN SSSR, 1959. 333 p. 3,000 copies printed. Errata slip inserted.

Resp. Ed.: N.V. Mel'nikov, Corresponding Member, USSR Academy of Sciences; Ed. of Publishing House: Yu.P. Vasil'yev; Tech. Ed.: P.S. Kashina.

PURPOSE: This book is intended for coal and ore mining engineers.

COVERAGE: The collection of articles reports on the results of scientific studies conducted by members of the Institute of Mining Industries of the AN SSSR on problems of developing and exploiting coal and ore deposits. The book is divided into two parts. Part I discusses the development and exploitation of coal deposits, the trends in developing underground and surface exploitation methods, the scientific bases and principles applied in selecting exploitation methods for different natural conditions, the determination of the basic elements in the use of modern mechanized equipments in underground development, and the preparation and exploitation of coal. Part II is devoted to problems in the development and exploitation of ore deposits, the draining and mining methods used in underground exploitation of deposits in the area of the KMA (Kursk Magnetic Anomaly), the open pit mining method used in exploiting the rich KMA ores, the determination of size of ore, and further ore dressing. The book is dedicated to Academician Lev Dmitriyevich Shevyakov, mining engineer. The articles are accompanied by diagrams, tables, and bibliographic references.

TABLE OF CONTENTS:

Scientific Problems (Cont.) SOV/1944

Card 3/7

BAYKOV, M. A., Cand Tech Sci — (diss) "Investigation of multi-layer working of mine fields in the Prokop'yevsk-Kiselev area of the Kuzbass," Moscow, 1960, 16 pp, 150 copy. (Moscow Mining Institute im I. V. Stalin) (KL, 42-60, 113)

BUTKEVICH, Roman Veniaminovich; BRAYTSEV, Andrey Vasil'yevich; BAYKOV, Mikhail Aleksandrovich; SINAYSKIY, Viktor Pavlovich; PEREVERZEV, Marel' Petrovich; VESKOV, M.I., otv. red.

[Experience in short face mining of medium thickness flat seams] Opyt razrabotki pologikh plastov srednei moshchnosti korotkimi zaboiami. Moskva, TSentr. in-t tekhn. informatsii ugol'noi promyshl., 1962. 78 p.
(MIRA 17:7)

BRAYTSEV, A.V.; BAYKOV, M.A.; SINAYSKIY, V.P.

Improving chamber and pillar systems of mining for flat seams of the Kuznetsk Basin. Gor. i ekon. vop. razrab. ugol'. i rud. mest. no.1:23-35 '62. (MIRA 16:7)
(Kuznetsk Basin--Coal mines and mining)

BUTKEVICH, R.V., kand.tekhn.nauk; BRAYTSEV, A.V., kand.tekhn.nauk; BAYKOV, M.A., kand.tekhn.nauk; PEREVERZEV, M.P., inzh.; SINAYSKIY, V.P., inzh.

Using short working faces in medium-thick flat seams in the Kuznetsk Basin. Nauch. soob. IGD 17:64-71 '62. (MIRA 16:7)
(Kuznetsk Basin--Coal mines and mining)

BAYKOV, M I

Karakul'skaya poroda ovets (Astrakhan breed of sheep)
Moskva, Sel'Khozgiz, 1953.
131 p. illus., graphs, map, tables (Populyarnyye monografii)
At head of title: Russia. Glavnoye Upravleniye Sel'skokhozyaystvennoy Propogandy i Russia. Ministerstvo Sel'skogo Khozyaystva i Zagotovok. Nauchno-Issledovatel'skikh Uchreshdeniy..

BAYKOV, M.I.; MURZAKOVA, V.V., red.; PERESYPKINA, Z.D., tekhn. red.

[Karakul sheep] Karakul'skaia poroda ovets. Moskva, Sel'-khozgiz, 1953. 131 p. (MIRA 16:7)
(Karakul sheep)

GETTA, G.I., kand. veterin. nauk; KOZLOV, N.A., veterin. vrach; BAYKOV, M.L., veterin. fel'dsher; SLEPNEV, N.K., veterin. vrach; GOLUBITSKAYA, S.B., student; BOREYCHENKO, V.A., student; SINKEVICH, E.F., student; SHMUREY, P.K., student

Results of testing phenothiazine against warble fly infestation of cattle. Veterinariia 38 no.2:28-32 F '61. (MIRA 18:1)

1. Sibirskiy nauchno-issledovatel'skiy veterinarnyy institut (for Getta). 2. Omskiy sel'skokhozyaystvennyy tekhnikum (for Zotov). 3. Tukhomichskiy veterinarnyy uchastok, Kholmskogo rayona, Novgorodskoy oblasti (for Kozlov, Baykov). 4. Volkovyskiy veterinarnyy tekhnikum (for Slepnev, Golubitskaya, Boreychenko, Sinkevich, Shmurey).

BAYKOV, N.

Planning the future mechanization of administrative work in an economic council. Biul.nauch. inform.: trud i zar. plata 4 no.8:24-33 '61. (MIRA 14:10)

(Office management)
(Machine accounting)

BAYKOV, N. A.

Zapasnye chasti avtomobilia ZIS-5; al'bom chertezhei. [Spare parts of automobile ZIS-5; a pictorial album]. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1950. 133 p. (chiefly diagrs.)

DLC: TL215.Z2B3

SO: Soviet Transportation and Communication, A Bibliography, Library of Congress Reference Department, Washington, 1952, Unclassified.

1. BAKOV, N. [A]

2. USSR (600)

4. Exchange of Experiences

7. Modification of the Transmission Countershaft of the Zis-5 Truck. Avtomobil' , No. 4, 1952.

9. [redacted] Abstract of CSDB 2877, Unclass.

BAYKOV, N.M.; MANSUROV, E.I.

Methods for improving air tightness in the gathering of gas and oil. Neft. khoz. 43 no.5:37-40 My '65. (MIRA 18:6)

BAYKOV, N.M.; IVANOV, Ye.N.; SHAPOVALOV, D.K.

Utilization of oil field waste waters in the Tatar A.S.S.R.
Neftepром. delo no.1:11-15 '65. (MIRA 18:3)

1. Neftepromyslovoye upravleniye "Leninogorskneft'".

BAYKOV, N.M.; BUCHIN, A.N.; GUZHNOVSKIY, L.P.; DERGUNOV, P.V.

Economic effectiveness of the industrial experiment carried out in the Bavly field. Neft. khoz. 40 no.6:6-10 Je '62. (MIRA 15:6)

(Bavly region—Oil fields—Production methods)

BAYKOV, N.M.; BOZINOV, S.N.; UMRIKHIN, I.D.

Investigating reservoirs on the basis of curves of the pressure change in reactive wells in the presence of a harmonic oscillation in the flow or pressure in a stimulation well. Nauch.-tekh.sbor. po dob.nefti no. 18:65-72 '62. (MIRA 17:6)

BAYKOV, N.M.; SABLIN, I.V.

Basic trends in the complete automation and remote control of a petroleum production enterprise. Neft. khoz. 38 no.9:12-14 S '60. (MIRA 13:9)
(Oil fields--Production methods) (Automation)

BAYKOV, N.M.; MANSUROV, E.I.; SHAPOVALOV, D.K.

Sealing oil and gas gathering systems. Neftepromys. delo no.8:24-28 '65. (MIRA 18:9)

1. Neftepromyslovoye upravleniye "Leninogorskneft'".

KAZANTSEV, F.; PELEVINA, N., konduktor; BAYKOV, R., slesar' depo

If the party says it must be done, Communist Youth League answers, aye! Zhil.-kom. khoz. 12 no.4:4-5 Ap '62. (MIRA 15:7)

1. Sekretar' partiynogo byuro Upravleniya noginskogo tramvaya (for Kazantsev). 2. Chlen komiteta Vsesoyuznogo Leninskogo kommunisticheskogo soyuza molodezhi (for Baykov).
(Communist Youth League)
(Noginsk--Streetcars)

BORMOTOV, A.; BAYKOV, S.

The path to plenty. Sov.profsoiuzy 7 no.20:35-37 O '59.
(MIRA 12:12)

1. Predsedatel' Moskovskogo obkoma profsoyuza rabochikh i sluzhashchikh sel'skogo khozyaystva i zagotovok (for Bormotov)
2. Starshiy inzhener oblastnogo upravleniya sovkhozov (for Baykov).
(Moscow Province--Farm mechanization--Technological innovations)

BAYKOV, S.D.; GAL'PERIN, Yu.F.; IOFFE, A.F.; SHLOKOV, G.N.

Ferrites with rectangular hysteresis loops for electronic-physical apparatus. Mnogokan. izm. sist. v iad. fiz. no.5:158-164 '63. (MIRA 16:12)

BAYKOV, S.F., inzhener; DERYABINA, A.Ye.

Use of the Model 4004-A power truck in the "Novyi mylovar" Plant. Masl.-zhir.prom. 20 no.1:31-32 '55. (MLRA 8:3)

1. Zavod "Novyy mylovar".
(Fork-lift trucks)

BESPYATOV, M.P., kand.tekhn.nauk; BAYKOV, S.F.; MAGNITSKIY, L.A., inzh.; DERYABINA, A.Ye., inzh.; SHMIDT, A.A., kand.tekhn.nauk; BELYAYEV, I.P., inzh.

Operational experience with the TNB-2 unit. Masl.-zhir.prom. 25 no.1:39-41 '59. (MIRA 12:1)

1. Khar'kovskiy politekhnicheskiy institut im. V.I.Lenina (for Bespyatov) 2. Moskovskiy zavod "Novyy mylovar" (for Baykov, Magnitskiy, Deryabina). 3. TSentral'naya nauchno-issledovatel'skaya laboratoriya Upravleniya meditsinskoy i parfyumernoy promyshlennosti Mosgorsovnarkhoza (for Shmidt, Belyayev).
(Moscow--Oil industries--Equipment and supplies)
(Saponification)

PA 17/49T32

BAYKOV, S., [P] Engr

Nov 48

USSR/Engineering
Ball Bearings

"Review of B. M. Oseledchik's Book, 'Production of Balls for Ball Bearings,'" S. Baykov, Engr, 1 p

"Vest Mashinostroy" No 11

Unfavorable review: "Author is unacquainted with the branch of industry about which he is writing. Consequently, the book completely misconstrues the state of ball bearing manufacture in the USSR." Published by Mashgiz, 1947, Sverdlovsk, 58 pp, 3,000 copies, 2 rubles 50 kopeck.

17/49T32

BAYKOV, S. P.

Cand Tech Sci

Dissertation: "Investigation of Machine Filing of Stamped Spherical Steel Blanks".

23 May 49

Moscow Order of the Labor Red Banner Higher Technical School inemi Bauman.

SO Vecheryaya Moskva
Sum 71

BAYKOV, S. P.

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