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The author discusses thermistor circuits for controlling temperature of automobile-engine cooling liquids used in some Western countries. There are 5 references, all Soviet (including 1 translation).

Potapov, N. P. Thermistors Made From Manganese and Nickel Oxides 225

The author briefly discusses the method used by Fizicheskaya laboratoriya Odesskogo gidrometeorologicheskogo instituta (Physical Laboratory of Odessa Hydrometeorological Institute) for producing thermistors from manganese and nickel oxides. There are no references.

Potapov, N. P. Electrical Conductivity and Composition of Thermistors From Manganese and Nickel Oxides 226

The author briefly discusses the analysis of experimental thermistors made from manganese and nickel oxides at the Odesskiy gidrometeorologicheskiy institut (Odessa Hydrometeorological Institute). There are no references.

Potapov, N. P. Automatic Regulation of Air Temperature in Homes and Public Buildings Equipped With Water Heaters 227

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The author discusses the experience acquired in using MMT-1 and TOS-M types of thermistors for remote control and measuring temperature in refrigerator railroad cars. He presents circuits used and describes their operation. There are 3 references, all Soviet (including 2 translations).

Dorofeyev, D. V. Selection of Circuit Elements for Regulating Temperature in Networks With Thermistors on The Basis of Relay Effect 208

The author discusses methods of calculating circuits for regulating temperature in networks with thermistors on the basis of the relay effect. He also explains the concept of relay effect in some types of thermistors. There are 2 references, both Soviet.

Oborin, L. A. Use of Thermistors in Hydrometric Devices.

The author discusses a device for measuring average rate of water flow used in Leningrad water supply systems and describes methods of calculating parameters of basic units of the device. There are 6 references: 4 Soviet and 2 English.

Seleznev, I. V. Use of Thermistors in Automobile Thermometers 220

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Smolyanskiy, N. A. Thermoregulator Using TOBM Type Thermistors 182
The author discusses circuits of automatic temperature regulators used in bread-baking industry and presents recommendations for regulator manufacture. There are no references.

Kaganov, M. A. Use of Thermistors for compensating Thermocouple Error 184
The author discusses a method of compensating the error of temperature measurement due to temperature difference of thermocouple alloys. He also explains a method of calculating parameters of compensating circuits containing thermistors. There are 5 references, all Soviet.

Nechayev, G. K., L. S. Panasyuk and M. M. Pinevich. UTS-1 Temperature Signalling Device 192
The authors discuss the construction of a temperature signalling device for controlling temperature of bearings of various units of power plants such as boilers, turbines, etc. He describes the principle of its operation and explains the construction of a thermistor heat detector cell. There are 3 references, all Soviet.

Vorob'yev, L. K. Use of Thermistors for Controlling Temperature in Refrigerator Railroad Cars. 203

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The author discusses a method of determining the coefficient of thermal inertia for TSh-1 and T-8 types of thermistors under the condition of motion of the media. She also describes an air flow rate meter operating at various temperatures and densities. There are no references.

Udalov, N. P., V. I. Turkulets and M. A. Balashov. Low-inertia Thermistor Level Indicator 168

The authors discuss an experimental device for controlling and measuring the level of liquids and loose substances. There are no references.

Abrosimov, M. V. Thermistors for Superhigh Frequencies 173

The author discusses thermistors used in thermistor heads for measuring superhigh-frequency power and describes methods of eliminating the error of measurement, of decreasing amplitudes of higher harmonics and calibration errors, as well as methods of increasing electrical stability and the coefficient of heat transfer. There are 6 references, all Soviet.

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The author discusses indirect-heated thermistors as elements of automatic control of transmission level in a long-distance communication line. He describes transfer function of a thermistor and determines dynamic parameters of an indirect-heated thermistor. There are 3 references: 1 Soviet and 2 English.

Kaganov, M. A. Calculation of Parameters of Measuring Bridge Circuits With Thermistors 151

The author discusses a method of calculating bridge circuits with thermistors used in temperature measuring devices. There are no references.

Nechayev, G. K. Some Advantages of Thermistor Heat Detector Cells in Circuits for Measuring Temperature 155

The author discusses the advantages of thermistor heat detector cells over wire resistance thermometers in devices for measuring temperature. He also describes a method of calculating parameters of a high-sensitivity measuring bridge. There are 4 references, all Soviet.

Afanas'yeva, N. S. Determination of a Coefficient of Thermal Inertia for Thermistors and Air Flow Rate Meter 162

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The author discusses operating conditions of a-c thermistors with the time constant much larger than the period of alternating current used. He also presents a method of calculating thermistor-circuit parameters such as current values, function Ref(t) etc. There are no references.

Sotskov, B. S. Voltage Stabilizer Circuits With Thermistors 119

The author presents fundamentals of voltage stabilizer circuits with thermistors and discusses methods of calculating circuit parameters. There is 1 Soviet reference.

Udalov, N. P. Transients in Simple Circuits With Thermistors 129

The author presents a method of calculating dynamic characteristics of thermistors. The method can be used in the design of time relays utilizing lag in thermistor circuits. He also discusses transients in simple circuits with thermistors. There are 2 references, both Soviet.

Sorokin, M. F. Dynamic Parameters of Thermistors With Indirect Heating 140

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the importance of these mixtures in the design of new types of thermistors. There are 4 references, all Soviet (including 1 translation).

Frolikova, Ye. G. Thermistors for Controlling Heating of an Automobile Engine 95

The author discusses fundamentals of manufacture of laboratory types of thermistors used as thermosensitive elements in the automobile cooling system and presents thermistor characteristics. There are 2 references, both Soviet.

Oreshkin, P. T. Experimental High-temperature Thermistor 101

The author discusses the manufacture and operation of a laboratory-type thermistor used at temperatures 1,000 - 1,500°C and presents its basic characteristics. There are 9 references: 4 Soviet, 2 English and 3 German.

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Sotskov, B. S. Analytical Methods of Determining Operating Conditions for Thermistors Using Alternating Current 116

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The author discusses optimum parameters of thermistors with direct and indirect heating and presents methods of calculating temperature characteristics, constant B and power dissipation coefficient. He also discusses thermistor volt-ampere characteristics and presents methods of constructing a heating characteristic as well as methods of experimental determining of thermistor parameters. There are 4 references, all Soviet.

Nechayev, G. K. Problems of Design of Thermistors for Circuits Based on Relay Effect 72

The author discusses operating conditions of thermistors used in circuits based on relay effect and calculates thermistor parameters required in the design of thermistors. There are 3 references, all Soviet.

Andriyevskiy, A. I., and I. D. Tret'yak. Temperature Characteristics of Thermistors Made From Two-oxide Mixtures 82

The authors present experimental temperature characteristics of thermistors made from the following two-oxide mixtures: $BeO-Cu_2O$; $MgO-Cu_2O$; $CaO-Cu_2O$; $ZnO-Cu_2O$; MnO_2-Cu_2O; and NiO_3-Cu_2O. They describe

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manufacturing technology. He also describes a method of determining thermistor characteristics and discusses factors affecting thermistor parameters. There is 1 Soviet reference.

Mamontova, A., and L. Mazina. Thermistors for Smoothing Starting Currents in Circuits With Barretters 52

The authors discuss a current stabilizer (barretter) operating together with a thermistor. The barretter and a thermistor are placed in a common envelope. They also discuss basic characteristics of the stabilizer and explain its advantages over other types of current stabilizers. There are no references.

Turkulets, V. I., and Z. V. Shleptsova. Effect of Chemical Impurities on Thermistor Characteristics 56

The authors discuss the effect of chemical impurities in compound elements on electrical characteristics of thermistors and present a number of resistance-temperature curves for various types of impurities. There are no references.

Udalov, N. P. Thermistor Specifications 62

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Zaytzev, N. S. Semiconductor Devices in National Economy 7
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Turkulets, V. I. Industrial Thermistors and Their Application 12
The author presents basic characteristics and parameters of industrial thermistors and discusses methods of measuring thermistor characteristics. He also discusses thermistor circuits and their application. There are no references.

Maksudov, F. M. Thermistors With Indirect Heating 33
The author presents basic characteristics and parameters of industrial thermistors with indirect heating and discusses thermistor

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ZAYTSEV, N.S.

9(4) P.2.

PHASE I BOOK EXPLOITATION SOV/2773

Poluprovodnikovyye termosoprotivleniya; sbornik statey (Thermistors; Collection of Articles) Moscow, Gosenergoizdat, 1959. 229 p. 13,000 copies printed.

Ed. (Title page): B. S. Sotskov, Doctor of Technical Sciences, Professor; Ed. (Inside book): V. A. Petrov; Tech. Ed.: G. I. Matveyev; Editorial Board: B. S. Sotskov, Doctor of Technical Sciences, Professor (Chief Ed.), N. P. Udalov, Candidate of Technical Sciences, N. S. Zaytsev, Engineer, Ye. N. Skogorev, Engineer, and V. I. Turkulets, Engineer.

PURPOSE: This collection of articles is intended for engineering and technical personnel of plants, OKB, NII and also instructors and students of vuzes.

COVERAGE: The book contains articles dealing with problems of manufacture of thermistors and determining thermistor parameters and characteristics. The authors also discuss problems of industrial application of thermistors as control elements. The book is an effort of cooperation by scientists of a number of vuzes, members of NII and engineers of one of the plants (name is not given) of Mosgorsovnarkhoz. No personalities are mentioned. References appear at the end of some articles.

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ZAYTSEV, N.

" Improve Organization of Coal Extraction"

Cor Mbr Ukr AS; Hero of Soc Labor

Izvestiya, May 28, p. 2 - complete text

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ZAYTSEV, N.V., kandidat tekhnicheskikh nauk; KOSITSYN, I.A., dotsent, redaktor; DAMASKINA, G.B., redaktor; VECHERSKIY, P.A., dotsent, retsenzent; KOSITSYN, I.A., dotsent, retsenzent; KOS'MIN, T.F., inzhener, retsenzent; NUDEL'MAN, G.E., inzhener, retsenzent; MEDVEDEVA, L.A., tekhnicheskiy redaktor.

[Technological equipment of bakeries] Tekhnologicheskoe oborudovanie khlebozavodov. Pod red. I.A.Kositsyna. Moskva, Pishchepromizdat, 1954. 431 p. [Microfilm] (MLRA 8:2)

(Bakers and bakeries--Equipment and supplies)

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1. ZAYTSEV, N. T.

2. USSR (600)

4. Lumbering

7. Rafting birch saw timber in bundles. Les. prom. 13 no. 3 1953

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

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TUCHINSKIY, Naum Vladimirovich; LAVROV, Gleb Aleksandrovich; ZAYTSEV, Nikolay Petrovich; KARATYGIN, A.M., dotsent, kand.tekhn.nauk, retsenzent; VOSKRESENSKIY, N.N., inzh., red.; TAIROVA, A.L., red.izd-va; CHERNOVA, Z.I., tekhn.red.

[Technology of printing-machinery manufacture] Tekhnologiia poligraficheskogo mashinostroeniia. Moskva, Gos.nauchno-tekhn. izd-vo mashinostroit.lit-ry, 1960. 376 p. (MIRA 13:7)
(Printing machinery and supplies)

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ZAYTSEV, N.N., kandidat tekhnicheskikh nauk.

Precast elements for reinforced concrete mooring of the gravitational type. Sbor. trud. VNIIGS no.7:5-14 '56. (MIRA 10:4)
(Embankments)

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ZAYTSEV, N.N., kandidat tekhnicheskikh nauk.

Precast elements for reinforced concrete mooring of the gravitational type. Sbor. trud. VNIIGS no.7:3-4 '56. (MLRA 10:4)
(Embankments)

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GORYUNOV, B.F., kandidat tekhnicheskikh nauk; GUDANETS, N.A., kandidat tekhnicheskikh nauk; ZLATOVERKHOVNIKOV, L.F., kandidat tekhnicheskikh nauk; KAGAN, Ya.Kh., kandidat tekhnicheskikh nauk; KRIVOV, A.K., inzhener; KUROCHKIN, S.N., inzhener; LYAKHNITSKIY, V.Ye., doktor tekhnicheskikh nauk, profesor; NOVIKOV, A.F., kandidat tekhnicheskikh nauk; ROMASHOV, D.G., inzhener; SHTENTSEL', V.K., kandidat tekhnicheskikh nauk; KUZ'MIN, T.P., redaktor; ZAYTSEV, N.N., redaktor; NELIDOVA, E.S., redaktor izdatel'stva; TIKHONOVA, [illegible] tekhnicheskiy redaktor

[Port hydrotechnical installations; construction and disign] Portovye gidrotekhnicheskie sooruzheniia; konstruirovanie i raschet. Moskva, Izd-vo "Morskoi transport," 1956. 537 p. (MLRA 9:11)
(Harbors)

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ZAYTSEV, N.N., kandidat tekhnicheskikh nauk

Experience in the use of precast reinforced concrete slab coverings in hydraulic engineering construction. Sbor. mat. o nov. tekh. v stroi. 17 no.5:6-10 '55. (MLRA 8:6)

(Concrete slabs) (Hydraulic engineering)

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ZAYTSEV, N.N., kandidat tekhnicheskikh nauk; SHIMKIN, Z.R., inzhener.

Strengthening slopes. Gidr.stroi. 23 no.3:41 '54. (MLRA 7:6)
(Hydraulic engineering)

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KRAYEVOY, S.Ya.; ZAYTSEV, N.M.; YES'KIN, B.I.; VARKOVA, O.M.

Protecting young English oak plantations by strip plantings of shrubs and tall field crops. Trudy Inst.lesa 42:67-97 '59. (MIRA 12:12)
(Oak) (Windbreaks, shelterbelts, etc.)

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VLASOV, S. I., ZAYTSEV, N. M.

Shelterbelts in irrigated areas of the Caspian Depression.
Trudy Inst. lesa 42:98-131 '59. (MIRA 12:12)
(Caspian Depression--Windbreaks, shelterbelts, etc.)

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KRAYNOVOY, S.Ya.; YES'KIN, B.I.; ZAYTSEV, N.M.; VARKOVA, O.M.

Developing methods of shelterbelt afforestation for the Yergeni Hills. Trudy Inst.lesa 42:11-66 '59. (MIRA 12:12)

(Yergeni Hills--Windbreaks, shelterbelts, etc.)

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The Co-Ordinating of Water Level Measurements by Applying the Longitudinal Profiles of Rivers

of the measurements can be carried out most conveniently on the drawing of the longitudinal cross section of the river (on squared paper). A brief description of the process follows. It is shown how the water level measurements must be reduced to the normal water level, if, for any reasons, it is not possible to erect a water measuring point on the river. The topographical detachment (squad) number 49 applied the here described method of co-ordinating the water level measurements successfully during the last two years.

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Zaytsev, N. M.

6-1-8/16

AUTHOR: Zaytsev, N. M.

TITLE: The Co-Ordinating of Water Level Measurements by Applying the Longitudinal Profiles of Rivers (Uvyazka otmetok urezov vody s ispol'zovaniyem prodel'nykh profiley rek)

PERIODICAL: Geodeziya i Kartografiya, 1958, Nr 1, pp. 55 - 56 (USSR)

ABSTRACT: Carrying out the preparation of height-control of aerial photos for stereo-topographical photographs in sectors with large rivers of low head, discrepancies with respect to the indications of water-levels obtained from the course of the altitude frequently occur. This is principally caused by the fact that the water-levels are determined at various seasons and various water levels in the river. All water level measurements must be reduced to a normal water level. Water measuring points must be established for this purpose for correspondingly correcting the water level measurements for the preparation of height-control of the aerial photographs according to the indications of the water level indicators. The co-ordinating

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ZAYTSEV, N.M.

Marking control points in wooded areas. Geod. i kart. no. 12:30-32 D '60. (MIRA 14:1)

(Surveying)

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ZAYTSEV, N.M.

Charging device for small molds and chills. Lit.proizv. no.7:41 Jl '62. (MIRA 16:2)

(Foundries--Equipment and supplies)

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KOTEL'NIKOV, V.A.; APRAKSIN, L.V.; VOYTOV, V.O.; GOLUBTSOV, M.G.; DUBROVIN, V.M.; ZAYTSEV, N.M.; KORENBERG, Ye.B.; MINASHIN, V.P.; MOROZOV, V.A.; NIKITSKIY, N.I.; PETROV, G.M.; RZHIGA, O.N.; SHAKHOVSKOY, A.M.

Radar system used in the Venus probe of 1961. Radiotekh. i elektron. 7 no.11:1851-1859 N '62. (MIRA 15:11)

1. Institut radiotekhniki i elektroniki AN SSSR.
(Radar)
(Venus probes)

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ZAYTSEV, N.L., polkovnik

Helicopters in exercises (as revealed by data in the foreign press). (MIRA 14:8)
Vest.Vozd.Fl. no.8:92-94 Ag '61.
(Helicopters)

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ZAYTSEV, N.L., inzh.

Economic evaluation of the productivity and precision of modernized universal screw-cutting lathes. Mekh. i avtom. proizv. 19 no.9:27-30 S '65. (MIRA 18:9)

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ZAYTSEV N.I.

CA

Materials of the Yakutian expedition of the Institute of Economic Mineralogy. I. Geology and metallogeny of the northeastern part of the watershed of the Allakhyuna and Yudoma rivers. N. I. Zaitsev, F. A. Zakharkin, M. A. Minakov and M. Ya. Stolyar. *Trans. All-Union Sci. Research Inst. Econ. Mineral.* (U. S. S. R.) No. 113, 6-63 (in English, 64-5) (1936).—Tin ore deposits in veins are related to the granodiorite intrusions; 2 types are distinguishable: the oxide type (pneumatolytic) has the paragenesis Sn, Li, Be, F, W, As, S, Cu and Fe; the sulfide type (hydrothermal) has the paragenesis Sn, S, As, Fe, Zn and Pb. Most important are quartz-fluorite and quartz-sulfide (arsenopyrite) veins. The richest among the latter contain 3-4% of stannite. Mo mineralization is also present. **II. Geological explorations in the upper Tyra region and along the route across the Verkhoyansky and Kolymsky ranges.** N. D. Sobolev and P. I. Egorov. *Ibid.* No. 114, 5-84 (in English, 85-8) (1937).—Cassiterite is assocd. with the granodiorite of Dybinsk. In the Kysal-Tass region Sn was found in veins of the following types: pyrrhotite (0.04%), Pb pyrite (0.21%) and Pb arsenopyrite (0.92%). In the Russian part many analyses are reported.

D. W. Pearce

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ZAYTSEV, N. I.

CA

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Rapid determination of sulfur in iron ores. N. I. Zaitsev. *Zavodskaya Lab.* 5, 280-1(1936).—Mix 5 g. of sample with 5 g. $CaCO_3$ and heat at 1200-50° for 1-1.5 hrs. Digest the melt with 100 cc. of 50% HCl in the presence of 10-12 g. of granulated Zn or Al, and absorb the escaping H_2S as in the evolution method for detg. S in steel.

Chas. Blanc

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3RD AND 4TH ORDERS

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ZAVTSEV, N. I.

BC

B-I-5

Determination of sulphur in iron ores. N. I. Zavtsev (Zavod. Lab., 1936, 5, 280—281).—A mixture of 5 g. of ore, 4 g. of $CaCO_3$, and 4 g. of C is placed between two layers of $CaCO_3$, and heated at 1200—1200° for 90 min. The product is heated with 10 g. of Zn and 100 ml. of 50% HCl, and the H_2S evolved is absorbed by a solution of Cd or Zn salt. Standard I solution and 40 ml. of 50% HCl are added to the suspension of sulphide, and excess of I is titrated.

R. T.

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COMMON VARIABLES INDEX

MATERIALS INDEX

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ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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ZAYTSEV, N. I.

4

Cu

Removing sulfur from gases. N. I. Zaitsev and K. G. Demur. Russ. 47,036, May 31, 1936. The gases are passed through an aq. salt soln. in an electrolytic cell, the anodic space of which is filled with iron shavings. Elementary S is obtained.

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ZAYTSEVA, N.M.; CHUMAKOV, A.N.

Prevention of complications in scarlet fever. Pediatriia no.6: 38-40 N-D '53. (MLRA 7:1)

1. Iz infektsionnogo otdeleniya kafedry detskikh bolezney I Moskovskogo ordena Lenina meditsinskogo instituta (zaveduyushchiy kafedroy - chlen-korrespondent Akademii meditsinskikh nauk SSSR Yu.F.Domfrovskaya) na baze Detskoy bol'nitsy im. I.V.Rusakova (glavnyy vrach - dotsent V.A.Kruzhkov).* (Scarlet fever)

*(From Infection Dept., Chair Children's Diseases, 1st Moscow Order of Lenin Medical Inst. (Chief of Chair - Cor. Mbr. Acad. Med. Sci. USSR, Yu. F. Domfrovskaya), at base Children's Hospital imeni I. V. Rusakov (Chief Physician - Docent V. A. Kruzhkov)

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ZAYTSEV, N.M.

Connection between low-level quotes and the use of longitudinal river contours. Geod. i kart. no.1:55-56 Ja '58. (MIRA 11:4)
(Rivers) (Topographical surveying)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

ZAYTSEV, N.I.

98-58-7-6/21

AUTHORS: Bogdanov, V.Ya., Candidate of Technical Sciences; Gorin, M.A. and Zaytsev, N.I., Engineers.

TITLE: Utilization of Hydrocyclones in the Hydromechanization of Earth Works. (Primeneniye gidrotsiklonov pri gidromekhanizatsii zemlyanykh rabot.)

PERIODICAL: Gidrotekhnicheskoye stroitel'stvo, Nr 7, 1958, pp 22-23

ABSTRACT: Experience acquired in the US has shown that hydrocyclones can be successfully used in mechanized mining and earth works. The Laboratory of the Hydromechanization of TsNIIS of the Ministry of Transport Constructions tried out a hydrocyclone with the capacity of 360 - 920 cubic m/hour, whereby pulp with initial density of 18% was concentrated to 88%. The authors describe various cases in which a hydrocyclone can be used for the hydromechanization of earth works. There is 1 diagram and 1 French reference.

1. Mining--Development 2. Hydrocyclones--Operation 3. Hydrocyclones--Applications

Card 1/1

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BOGDANOV, V.Ya.; kand.tekhn.nauk; GORIN, M.A., insh.; ZAYTSEV, N.I., insh.

Using hydrocyclones in connection with hydraulic fill methods of earthwork. Gidr. stroi. 27 no.7:22-23 Jl '58. (MIRA 11:8)
(Separators (Machines)) (Earthwork)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

L 23794-66

ACC NR: AP6005769

e.g., ALGOL-60. In order to simplify the circuit solutions of the devices, use was made of the principle of program data processing during input and output. Such operations as data recoding from the telegraph code into computer code and the reverse, the formation of words, and some other operations were executed as program operations. The communications between the computing center and the consumer is achieved by means of regular commercial telegraph channels. The coupling devices assure the following operations: (1) receiving and input of information into the computer directly from the communications channel; (2) input of information from the telegraph apparatus (TA) with a disconnected line; (3) receiving of data on the TA and recording it on a perforated tape and subsequent input into the computer through a photoelectric tape reader; (4) output of information from the computer with a disconnected line. Orig. art. has: 5 figures.

SUB CODE: 09/ SUBM DATE: 06Mar64

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

L 23794-66 EWT(d)/FSS-2/EWP(1) IJP(c) BB/GG

ACC NR: AP6005769 SOURCE CODE: UR/0280/65/000/005/0163/0168

AUTHOR: Zaytsev, N.G. (Petrozavodsk); Lebedev, V.A. (Petrozavodsk); Tyakhti, A.B. (Petrozavodsk)

ORG: none

TITLE: The coupling of the "Minsk-1" computer with a telegraph communication channel

SOURCE: AN SSSR. Izvestiya. Tekhnicheskaya kibernetika, no. 5, 1965, 163-168

TOPIC TAGS: coupling circuit, telegraph system, computer technique, data processing center, computer programming

ABSTRACT: In order to provide effective exchange of digital information between the computing center containing the Minsk-1 computer and the computer time consumer, special devices have been developed for coupling the computer with a telegraph communication channel. This article describes simple coupling devices. The devices make it possible to input and output alphabetic as well as digital information, which had not been prescribed in the Minsk-1 heretofore. The use of the alphabetic code is especially necessary for the recording and input of programs in the input automatic programming language,

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ZAYTSEV, N.G. (Petrozavodsk); LEBEDEV, V.A. (Petrozavodsk);
TYAKHTI, A.B. (Petrozavodsk)

Operation of the "Minsk-1" computer in a telegraph channel.
Izv. AN SSSR. Tekh. kib. no.5:163-168 S-O '65.
(MIRA 18:11)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

ZAYTSEV, N.G.

TSETLIN, B.L.; ZAYTSEV, N.G.; KARGIN, V.A., akademik.

On arboriform cracks in plexiglas developed under the action of electronic radiation. Dokl. AN SSSR 113 no.2:380-382 Mr '57. (MLRA 10:5)

1. Institut fizicheskoy khimii Akademii nauk SSSR.
(Plexiglas) (Electron beams)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

ZAYTSEV, N.G., kand.tekhn.nauk; LEDVICH, M.A., inzh.

Choice of the most economical power transfer between electric power systems. Elektrichestvo no.4:24-26 Ap '62. (MIRA 15:5)

1. Karel'skiy filial AN SSSR (for Zaytsev). 2. Karelenergo (for Ledvich).
(Interconnected electric utility systems)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

ZAYTSEV, N.G.

Calculation of changes in pressure in hydro plants under conditions of the most efficient load distribution in the power system. Izv.Kar. i Kol'.fil.AN SSSR no.4:67-70 '58. (MIRA 12:5)

1. Otdel energetiki Karel'skogo filiala AN SSSR.
(Hydroelectric power stations)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

ZAYTSEV, N.G.

Automatic control of the optimal distribution of active loads in power systems including hydroelectric power stations. Izv.Kar. i Kol'.fil.AN SSSR no.3:70-79 '59. (MIRA 13:4)

1. Otdel energetiki Karel'skogo filiala AN SSSR.
(Electric networks)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

ZAYTSEV, N.G.

Computing devices for power systems. Vest. AN SSSR 31 no.4:88-90 Ap '61. (MIRA 14:4)

(Electronic analog computers)
(Electric network analyzers)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

ZAYTSEV, N. G., Cand Tech Sci -- (diss) "Automatization of the most advantageous distribution of active loads in power systems at hydro-electric stations." Petrozavodsk, 1960. 19 pp with charts; (Academy of Sciences USSR, Karelian Affiliate of the Academy of Sciences USSR); 250 copies; price not given; (KL, 21-60, 123)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

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ACC NR: AP6005769

executed as program operations. The communication between the computing center and the consumer is achieved by means of regular commercial telegraph channels. The coupling devices assure the following operations: (1) receiving and input of information into the computer directly from the communications channel; (2) input of information from the telegraph apparatus (TA) with a disconnected line; (3) receiving of data on the TA and recording it on a perforated tape and subsequent input into the computer through a photoelectric tape reader; (4) output of information from the computer to the telegraph communications channel; and (5) output of information from the computer with a disconnected line. Orig. art. has: 5 figures.

SUB CODE: 09 / SUBM DATE: 06Mar64

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

L 23794-66 EWT(d)/FSS-2/EWP(1) IJP(c) BB/GG

ACC NR: AP6005769 SOURCE CODE: UR/0280/65/000/005/0163/0168

AUTHOR: Zaytsev, N. G. (Petrozavodsk); Lebedev, V. A. (Petrozavodsk); Tyakhti, A. B. (Petrozavodsk)

ORG: none

TITLE: The coupling of the "Minsk-1" computer with a telegraph communication channel

SOURCE: AN SSSR. Izvestiya. Tekhnicheskaya kibernetika, no. 5, 1965, 163-168

TOPIC TAGS: coupling circuit, telegraph system, computer technique, data processing center, computer programming

ABSTRACT: In order to provide effective exchange of digital information between the computing center containing the Minsk-1 computer and the computer time consumer, special devices have been developed for coupling the computer with a telegraph communication channel. This article describes simple coupling devices. The devices make it possible to input and output alphabetic as well as digital information, which had not been prescribed in the Minsk-1 heretofore. The use of the alphabetic code is especially necessary for the recording and input of programs in the input automatic programming language, e.g., ALGOL-60. In order to simplify the circuit solutions of the devices, use was made of the principle of program data processing during input and output. Such operations as data recoding from the telegraph code into computer code and the reverse, the formation of words, and some other operations were

Card 1/2

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

BAN'KOVSKIY, N.S.; ZAYTSEV, N.G.; FEDOROV, I.V.; SHEVTSOV, I.P.

Use of podophyllin for treating tumors of the bladder. Vop.onk. 8 no.8:21-24 '62. (MIRA 15:9)

1. Iz kafedry urologii (nach. - prof. G.S. Grebenshchikov) Voyenno-meditsinskoy ordena Lenina akademii im. S.M. Kirova.
(BLADDER--TUMORS) (PODOPHYLLIN)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

ZAYTSEV, N.G., kand. tekhn. nauk (Petrozavodsk); MAKARSHIN, Ye.S. (Petrozavodsk); LEDVICH, M.A. (Petrozavodsk)

Power plant apparatus for automating optimum load distribution in electric power systems. Elektrichestvo no.12:13-16 D '63. (MIRA 17:1)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

ZAYTSEV, N.G.

Analog device for calculating the relative increments characteristic of fuel consumption of a thermal electric power plant. Trudy Kar. fil. AN SSSR no.40:5-16 '64.

Required accuracy of automatic devices used in optimalizing active load distribution in electric power systems. Ibid.:34-49 (MIRA 17:12)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

ZAYTSEV, N.F.

LISTVIN, N.I., inzh.-polkovnik, red.; BIRYUKOV, N.I. [translator]; ZAYTSEV, N.F., red.; KLIMENKO, S.B., tekhn. red.

[Supersonic airplanes; a collection of translations and abstracts from foreign periodical literature] Sverkhzvukovye samolety; sbornik perevodov i referatov iz inostrannoi periodicheskoi literatury. Moskva, Izd-vo inostr. lit-ry, 1958. 233 p. (MIRA 11:7)
(Airplanes)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

KHACHATUROV, T.S., red.; DAN'SHINA, V.N.[translator]; ZOTOV, B.D. [translator]; ISUPOV, V.T.[translator]; MENIKER, V.D.[translator]; TEREKHOV, V.F.[translator]; SHAGALOV, G.L.[translator]; KOMKOV, Yu.F., nauchnyy red.; ZAYTSEV, N.F., red.; KHOMYAKOV, A.D., tekhn. red.

[Problems in the economic efficiency of capital investments]Voprosy ekonomicheskoi effektivnosti kapitalovlozhenii; sbornik statei. Pod red. i so vstup. stat'ei T.S.Khachaturova. Moskva, Izd-vo inostr. lit-ry, 1962. 276 p. (MIRA 15:12)

1. Chlen-korrespondent Akademii nauk SSSR (for Khachaturov).
(Capital investments)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

KUTTA, Frantisek; YEVSTIGNEYEV, R.N.[translator]; SEMENOV, I.I. [translator]; ZAYTSEV, N.F., red.; KOROTEYEVA, Yu.I., tekhn. red.; REZOUKHOVA, A.G., tekhn. red.

[Hidden potentialities for increasing labor productivity]Rezervy rosta proizvoditel'nosti truda. S predisl. K.I.Klimenko. Moskva, Izd-vo inostr. lit-ry, 1962. 249 p. (MIRA 16:1)
Translated from the Czech.
(Agricultural machinery industry--Labor productivity)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

MIKHALI, Y [Mihalik, Jozef]; SONIN, N.Ya., doktor ekon. nauk, red.; ZAYTSEV, N.F., red.; LATYSHEV, A.I., red.

[Planning the reproduction of trained labor force; problems of theory and practice] Planirovanie vosproizvodstva kvalifikatsirovannoi rabochei sily; voprosy teorii i praktiki. Moskva, Progress, 1964. 358 p. Translated from the Slovak. (MIRA 17:8)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

STANYUKOVICH, A.V.; ZAYTSEV, N.D.

Testing plasticity of heat-resistant steels over a period of time. Zav.lab. 25 no.9:1101-1106 '59. (MIRA 13:1)

1. TSentral'nyy nauchno-issledovatel'skiy kotloturbinnyy institut im. I.I.Polzunova.
(Steel--Testing) (Deformations (Mechanics))

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

ZAYTSEV, N.D., VYTRIKUSH, Ye.V., MILOSLAVSKIY, K.V.

Use of fluorescent lights for illumination in microscopic studies. Lab.delo 4 no.5:48-50 S-O '58 (MIRA 11:11)

1. Iz kafedry gistologii i embriologii (zav. - prof. N.D. Zaytsev) Stanislavskogo meditsinskogo instituta.
(MICROSCOPY--TECHNIQUE)
(FLUORESCENT LIGHTING)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

ZAYTSEV, N. D.

24252 ZAYTSEV, N. D. Morfologicheskiye izmeneniya perifericheskoy nervnoy sistemy pri elektroparabiose. Trudy Akad. med. nauk SSSR, T. III, 1949, S. 143-44.

SO: Letopis, No. 32, 1949.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

BYTSEV, N.S.

23254 Mashina dlya ispytaniya metallov na polzuchest': Zavodskaya laboratoriya 1949, no 7, s. 876-82

SO: LETOPIS' NO. 31, 1949

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

ZAYTSEV, N. D.

"The histogenesis and histology of the umbilical cord." Diev Order of Labor Red Banner State Medical Inst imeni Academician A. A. Bogomolets. Kiev, 1955. (Dissertations for the Degree in Medical Science)

So: Knizhaya letopis', No. 16, 1956

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

Evaluation of the Plasticity Properties of Fireproof Steels With Respect to Time

SOV/32-25-9-30/53

destruction. The deformability of fireproof steels can be approximately characterized by "plasticity diagrams", which were plotted by extrapolation of the test results. There are 5 figures and 4 references, 2 of which are Soviet.

ASSOCIATION: Tsentral'nyy nauchno-issledovatel'skiy kotloturbinnyy institut im. I. I. Polzunova (Central Scientific Research Institute for Boiler Turbines imeni I. I. Polzunov)

Card 3/3

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

Evaluation of the Plasticity Properties of Fireproof Steels With Respect to Time

SOV/32-25-9-30/53

variation in (PP) with temperature at constant (DS) is described in semilogarithmic coordinates by a V-shaped curve. Deceleration of (DS) shifts this curve to lower temperatures. A family of such V-shaped curves can show the change of minimum deformability (mD) of the steel in dependence on temperature. (mD) rises with temperature. The dependence of relative elongation on (DS) at constant temperature (up to minimum deformation) can be expressed by a step function. Having reached the level of minimum plasticity, a further deceleration of (DS) results in an increase of relative elongation. The decrease intensity of plasticity rises on destruction with a deceleration of (DS) with temperature up to a certain limit at which it falls again. At maximum test temperatures rising deformability can be observed. Temperature rise shifts the embrittlement interval to high (DS). The decrease of plasti[illegible] properties of steels at high temperatures is attributed to the development of intercrystalline

Card 2/3

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

28(5)

AUTHORS: Stanyukovich, A. V., Zaytsev, N. D. SOV/32-25-9-30/53

TITLE: Evaluation of the Plasticity Properties of Fireproof Steels With Respect to Time

PERIODICAL: Zavodskaya laboratoriya, 1959, Vol 25, Nr 9, pp 1101-1106 (USSR)

ABSTRACT: The test method with a constant deformation speed (DS) can be used to evaluate the plasticity properties (PP) of fireproof steels (Karskiy, Ref 2). In the case under discussion, the tensile tests were made within the temperature range 400-800° at a temperature change of 50°. Several test series were made at constant (DS), the maximum (DS) being 180 or 313%/h and the minimal (DS) $1 \cdot 10^{-1}$ to $2 \cdot 10^{-2}$%/h. The tests at maximum (DS) were made on usual tensile-testing machines, IM-4r and IM-12, and those at minimum (DS) on the specially constructed machine 5 IM (Fig 1) which is described. The tests were performed on the last-mentioned machine on the following fireproof steels: the pearlitic chrome-molybdenum-vanadium steel EI10, the austenitic steel 1Kh18N9T and EI612, as well as some nickel alloys with various additions. The results of measurement, which are explained in detail, led to the following conclusions:

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62/49T25

USSR/Metals Jul 49
Creep
Test Techniques

"Machine for Testing Metals for Creep," Ya. S. Gintsburg, N. D. Zaytsev, Sci Res Boiler Turbine Inst, 4 pp

"Zavod Lab" No 7

Describes new testing machine which has certain advantages over previous models. Maximum tensile capacity is 750 kg. Used 5-mm samples (37-38 kg/sq mm) which makes it suitable for any type of heat-stable alloys. Sketches show

FTD 62/49T25

USSR/Metals (Contd) Jul 49

loading system, electric-power supply for furnace, and mechanical recording of deformation. Includes photograph of machine and graphs of typical operation.

FTD 62/49T25

ZAYTSEV, N.D.

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

ZAYTSEV, N.D.

Machine for tension relaxation tests. Zav. lab. 24 no.3:361-363 '58. (MIRA 11:3)

1.TSentral'nyy nauchno-issledovatel'skiy kotloturbinnyy institut im. I.I. Polzunova.
(Testing machines)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

ZAYTSEV, N.D., dotsent

Secretive properties of nerve fibers. Vrach.delo no.5:485-487 My '57.
(MLRA 10:8)

1. Kafedra gistologii i embriologii (zav. - dots. N.D.Zaytsev)
Stanislavskogo meditsinskogo instituta
(NERVES)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

Name: ZAYTSEV, Nikolay Dmitriyevich

Dissertation: Histogenesis and histology of the umbilical cord

Degree: Doc Med Sci

Affiliation: Stanislav State Med Inst

Defense Date, Place: 15 Mar 56; Council of Kiev Order of Labor Red Banner Med Inst imeni Bogomolets

Certification Date: 6 Apr 57

Source: BMVO 14/57

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

A Machine for Testing Relaxation in Connection With Expansion 32-3-41/52

electromotor is put into operation which, in turn, causes the separator to perform a revolving motion, so that the iron balls fall out individually (each ball falling being recorded) until the weight by which stress is exercised is reduced to such an extent that contact is again broken by the contraction of the sample. The maximum stress brought to bear upon the machine is given as being 4000 kg, maximum temperature is 750° C, the current required is 2.5 kilowatts (with a voltage of 127 V). Measuring accuracy is at least ± 5%. There are 3 figures.

ASSOCIATION: Central Scientific Research Institute for Boilers and Turbines imeni I. I. Polzunov (Tsentral'nyy nauchno-issledovatel'skiy kotloturbinnyy institut im. I.I. Polzunova)

AVAILABLE: Library of Congress

1. Machine-Design 2. Materials-Bending stresses 3. Materials-Creep

Card 2/2

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

32-3-41/52

AUTHOR: Zaytsev, N.D.

TITLE: A Machine for Testing Relaxation in Connection With Expansion (Mashina dlya ispytaniya na relaksatsiyu pri rastyazhenii)

PERIODICAL: Zavodskaya Laboratoriya, 1958, Vol. 24, Nr 3, pp. 361-363 (USSR)

ABSTRACT: The most used method of investigation is that developed by I.A. Oding, which, however, tests relaxation only in the case of bending stress. A machine УИМ-5 for testing tensile stress on samples of different shapes was developed. The working principle is based upon a "creeping in stages". As may be seen from a schematical drawing of the working element, deformation of the sample is transmitted by way of a lever from a rod to a contact, which then indicates the corresponding change of the measuring device. The extensometer works with a sensitivity of $\pm$ 1.0 μ, allowance being made for temperature fluctuations of $\pm$ 5° C. The working principle of the machine is based upon the operation of a separator. The latter is located on a container and is filled with iron balls. By the stress exercised by the separator the sample extends and closes an electric contact; by this an

Card 1/2

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

USSR / Human and Animal Physiology (Normal and Pathological). T
Neuromuscular Physiology.

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 60663

separated, and the process is reminiscent of apocrine secretion. It is assumed that the secretory capacity in nerve fibers may occur in instances when it is necessary to remove from the nerve fibers the excess fluid of the components, and also when there is a necessity for the spread of the effect of the nervous system on groups of cellular and non-cellular elements, which have lost direct contact with its terminal parts. -- F. I. Mumladze

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USSR / Human and Animal Physiology (Normal and Pathological). T
Neuromuscular Physiology.

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 60663

Author : Zaytsev, N. D.
Inst : Not given
Title : Secretory Properties of Nerve Fibers

Orig Pub : Vrachebn. delo, 1957, No 5, 485-488

Abstract : In cats, dogs and guinea pigs, the different parts of the skin were stimulated by an intermittent electric current from a generator. Histological examination of the surfaces of nerve fibers of the skin 3 days after 30 minutes of stimulation, showed that the major part of the nerve fibers was changed significantly. In all cases the swelling occurred at the cost of the neuroplasma of the axon. Consequently, in the change of nerve fibers due to irritation of their surface, particles are

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ZAYTSEV, N.D. (Stanislav (obl.), ul. Kopernika, 19, kv.1)

Development of neural elements in the umbilical cord. Arkh.anat. gist.i embr. 37 no.10:81-88 O '59. (MIRA 13:4)

1. Kafedra gistologii i embriologyy (zaveduyushchiy - prof. N.D. Zaytsev) Stanislavskogo meditsinskogo instituta.
(UMBILICAL CORD innervation)

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ZAYTSEV, N.D.

18

Machine for the Creep Testing of Metals. Ya. S. Ginzburg and N. D. Zaitsev. (Zavodskaya Laboratoriya, 1949, vol. 15, July, pp. 878-882). [In Russian]. A machine for creep testing with automatic temperature control and recording of deformation is described. The length and diameter of the specimen are 25-40 mm. and 5-8 mm., respectively, the maximum tensile force being 750 kg.—s. k.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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1ST AND 2ND ORDERS

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3RD AND 4TH ORDERS

ZAYTSEV, N. D.

A

Q

9-308. Creep-Testing Machine. (In Russian.) Yu. S. Gintsburg and N. D. Zaitsev. *Zavodskaya Laboratoriya* (Factory Laboratory), v. 15, July 1949, p. 878-882.

Newly developed creep-test machine designed for mass screening tests of alloys and for high-temperature tests in creep, continued to rupture. This machine tests alloys designed for use at temperatures up to 1100° C. Maximum tensile load is 750 Kg. Limits of creep may be determined at deformations of the order of 10% per hour.

COMMON ELEMENTS

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OPEN

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AVERSHIN, S.G.---(continued) Card 2.
red.; ARKHANGEL'SKIY, A.S., kand.tekhn.nauk, red.; BEZNIKOV, G.A., inzh., red.; ALESHIN, M.I., red.izd-va; KACHALKINA, Z.I., red. izd-va; PROZOROVSKAYA, V.L., tekhn.red.; NADEINSKAYA, A.A., tekhn.red.

[Mining; an encyclopedic handbook] Gornoe delo; entsiklopedicheskii spravochnik. Glav. red. A.M. Terpigorev. Chleny glav.red.: F.A. Barabanov i dr. Vol.5 [Underground coal mining] Razrabotka ugol'nykh mestorozhdenii podzemnym sposobom. Moskva, Gos. nauchno-tekhn.izd-vo lit-ry po ugol'noi promyshl. 1958. 447 p.
(MIRA 12:2)

1. Chlen-korrespondent Akademii nauk SSSR (for Gorbachev, Chinakal).
2. Chlen-korrespondent Akademii nauk USSR (for Zaytsev).
(Coal mines and mining)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

AVERSHIN, S.G., prof., dokt.tekhn.nauk; ANAN'IN, G.P., dotsent, kand.tekhn. nauk; BARANOV, A.I., dotsent, inzh.; BERLIN, A.Ye., inzh.; BOCHKAREV, V.G., kand.tekhn.nauk; BUTKEVICH, R.V., kand.tekhn.nauk; VESELOVSKIY, V.S., prof., doktor tekhn.nauk; VESKOV, M.I., kand. tekhn.nauk; VOL'KENAU, A.V., kand.tekhn.nauk; GAHKAVI, S.M., kand.tekhn.nauk; GORBACHEV, T.F.; DAVIDYANTS, V.T., kand.tekhn.nauk; DMITRIYEV, M.F., kand.tekhn.nauk; DOBROVOL'SKIY, V.V., kand.tekhn.nauk; DUKALOV, M.F., kand.tekhn.nauk; ZAYTSEV, N.A.; ZARANKIN, P.S., inzh.; ZVYAGIN, F.Z., dotsent, kand.tekhn.nauk; IL'SHTEYN, A.M., kand.tekhn. nauk; KILYACHKOV, A.P., dotsent, kand.tekhn.nauk; KIRICHENKO, I.P., inzh.; KRUPENNIKOV, G.A., kand.tekhn.nauk; KUZNETSOV, S.T., kand. tekhn.nauk; KUCHERSKIY, L.V., kand.tekhn.nauk; LINDENAU, N.I., inzh.; LIPKOVICH, dotsent, kand.tekhn.nauk; LOKSHIN, B.S., kand.tekhn.nauk; MURATOV, M.L., dotsent, kand.tekhn.nauk; MUCHNIK, V.S., prof., doktor tekhn.nauk; NAYDYSH, A.M., dotsent, kand.tekhn.nauk; NEKRASOVSKIY, Ya.E., prof., doktor tekhn.nauk; NEKHAYEV, G.A., inzh.; NUROK, G.A., prof., doktor tekhn.nauk; OVINOV, M.I., inzh.; PORTNOV, A.A., inzh.; PROSKURIN, V.V., dotsent, kand.tekhn.nauk; RUINEV, B.A., inzh.; SAPITSKIY, K.F., kand.tekhn.nauk; SELETSKIY, R.A., dotsent, kand.tekhn.nauk; SEMENOV, A.P., kand.tekhn.nauk; SKAFA, P.V., inzh.; SONIN, S.D., prof.; SUDOPLATOV, A.P., prof., doktor tekhn.nauk; TIMOSHEVICH, V.A., inzh.; FURMAN, A.A., inzh.; CHINAKAL, N.A.; SHAKHMEYSTER, L.G., dotsent, kand.tekhn.nauk; TERPIGOREV, A.M., glavnyy red.; LOZNEVA, A.A., red.; NAUMKIN, I.F., red.; OSTROVSKIY, S.B., red.; PANOV, A.D., red.; STUGAREV, A.S., red.; SHELKOV, A.A.,

(Continued on next card)

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L 47019-66

ACC NR: AP6027285

break down at the ester group, forming CO and CO_2; this is associated with a decrease in the quantity of C=O bonds and the appearance of unsaturation in the chain as the dose increases. The cross-linking occurs at the methylene groups. The different positions of the IR bands of α and β methylene groups made it possible to evaluate the relative rates of disappearance of these two types of groups under the influence of γ radiation. The polyester with MW ~4000 irradiated with 200 Mrad converts into a rubberlike elastomer consisting of a mixture of cross-linking and degradation products. Hard, cross-linked polyurethanes were successfully obtained from the irradiated polyesters at equimolar ratios of polyester to 2,4-toluylene diisocyanate at moderate temperatures (60-70°C). The degree of cross-linking of polyurethanes as a function of the dose was determined from the glass transition temperature of the polymers. Orig. art. has: 3 figures and 3 tables.

SUB CODE: 07,18/ SUBM DATE: none/ ORIG REF: 002

Card 2/2 vmb

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L 47010-66 EWT(m)/EWP(j)/T IJP(c) WW/RM

ACC NR: AP6027285 (A) SOURCE CODE: UR/0191/66/000/008/0060/0062

AUTHOR: Apukhtina, N. P.; Zaytsev, N. B.; Rapoport, L. Ya; Kozlova, N. V.

ORG: none

TITLE: Effect of γ radiation on polyesters of adipic acid and diethylene glycol

SOURCE: Plasticheskiye massy, no. 8, 1966, 60-62

TOPIC TAGS: gamma radiation, irradiation effect, polyester plastic, adipic acid, diethylene glycol, radiation chemistry

ABSTRACT: In a study of the effect of γ radiation on saturated aliphatic polyesters (which are used as the main component in urethane polymers), polydiethylene adipates (PDEA) of molecular weight (MW) ~2000 and 4000 of the structure

$$H-[-OCH_2CH_2OCH_2CH_2OC-CH_2CH_2CH_2CH_2C-]_n-OCH_2CH_2OCH_2CH_2OH$$
$$\qquad\qquad\qquad\qquad\qquad\qquad \| \qquad\qquad\qquad\qquad\qquad\qquad \|$$
$$\qquad\qquad\qquad\qquad\qquad\qquad O \qquad\qquad\qquad\qquad\qquad\qquad O$$

were irradiated with radiation from Co^{60}. The amount of absorbed energy was determined by ferrous sulfate dosimetry. A study of the dependence of the relative viscosity of benzene solutions of the polyesters on the dose absorbed showed a predominant role of cross-linking of PDEA during the irradiation, this effect being more pronounced as MW increases. IR spectroscopic data indicate that the polyester chains

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ZAYTSEV, N.A.

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PROCESSES AND PROPERTIES INDEX

Sulfur dyes. N. A. Zaitsev and M. S. Morozova. U.S.S.R. 64,357, April 30, 1944. Sulfur dyes for animal fibers are obtained by sulfurizing indophenol for a period not exceeding ½ the time required to sulfurize the same starting material in order to obtain the optimum yield of a sulfur dye for cotton. A blue dye is obtained by sulfurizing the indophenol from nitrosophenol and diphenylamine; a green dye from the indophenol from nitrosophenol and α-naphthylamine. In dyeing animal fibers, the dyeing bath is neutralized with an excess of NH_4 salt. These dyes are suitable for wool, silk, and leather.

M. Hosch

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CA

2 J

Sulfur dyes. N. A. Zaitsev. Russ. 55,845, Oct. 31, 1939. A mixt. of benzidine, carbazole and S is heated above 180° with the addn. of sodium acetate or sodium formate or glycerol or sugar-like substances. The dye is sepd. in the usual manner.

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CA

Sulfur dyes. N. A. Zaitsev. Russ. 55,822, Oct. 31, 1939. A mixt. of 8, 3-nitrocarbazole and phenol is heated to the b. p.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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29

S Syes. N. A. Zaitsev. Russ. 55,613, Aug. 31, 1939. Novolak or resol is heated in a soln. of polysulfide above 200°, with distn. of the water, the melt is broken up, dissolved in water and filtered, and the dye is pptd. from the filtrate by acidification or by a current of air.

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3RD AND 4TH ORDERS

COMMON ELEMENTS

Purifying thioindigo vat dyes. N. A. Zaitsev. Russ. 50,840, April 30, 1937. An aq. suspension of the dye is treated with a stream of Cl, allowed to stand for 8–10 hrs., and the dye filtered off, washed with water and dried.

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

Yellow sulfur dye. N. A. Zaitsev and K. S. Tikhonov. Russ. 39,905, Nov. 30, 1934. A yellow S dye is prepd from condensation products of PhOH and $(CH_3)_2N_2$ by fusion with S and addn. of benzidine at 180-220°.

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

Methods for separation of sulfur black from the melt. N. A. Zaltsev and V. N. Vozhdaeva. *Anilinokrasochnaya Prom.* 2, No. 8-9, 30-9(1932).—Tabulated results are given of the lab. expts. in sepn. of factory-produced sulfur black. Cf. U. S. pat. 1,630,818 (*C. A.* 21, 2388). Chas. Blanc

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

CA

GREEN SULPHUR DYES. N.A. Zaitsev. Russ. 21,830, Dec. 16, 1927.
Green sulphur dyes are prepd. by fusing polysulphides, in the presence of Cu, with leucoindophenols from p-aminophenol and [redacted] 1-arylnaphthylamine-8-sulphonic acids. The mixture, obtained after the reduction of indophenol by Na_2S in the leuco compd., to which a Cu salt has been added is treated with NaCl and AcOH to ppt. the complex Cu indophenol compd. The ppt. so obtained is fused with Na polysulphide by usual methods after the soln. has been sepd.

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ZAYTSEV, N.A., inzh.

Passenger ship "Meteor" on underwater wings. Sudostroenie 26 no.2(209):72-[illegible] '60. (MIRA 14:11)
(Planing hulls)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

ZAYTSEV, N.A., inzh.; POLUSA, A.A., inzh.

Manufacture of circular saws used in woodworking. Trudy NIIMesttoppromа no.17:240-247 '62. (MIRA 16:5)
(Circular saws)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100024-6

ZAYTSEV, N.A.; SMOLIN, M.P.

Diffusion and thermodiffusion of carbon in 85KhF steel. Fiz. met. i metalloved. 17 no.4:602-609 Ap '64. (MIRA 17:8)

1. Institut mestnoy i toplivnoy promyshlennosti Gosplana UkrSSR i Institut metallokeramiki i spetsial'nykh splavov AN UkrSSR.

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ILLEGIBLE

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ZAYTSEV, N., prepodavatel'

Main goal is the good quality of teaching. Prof.-tekh. obr. 22 no.6:7 Je '65. (MIRA 18:7)

1. Sel'skoye professional'no-tekhnicheskoye uchilishche No.11, Gissarskiy rayon Tadzhikskoy SSR.

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ZAYTSEV, N. A. Cand Med Sci -- (diss) "Cytologic diagnosis of malignant lesions of the cervix uteri and the importance of phase-contrast and luminescent microscopy in it." Khar'kov, 1959. 8 pp [redacted] (Khar'kov State Med Inst), 200 copies (KL, 44-59, 129)

[redacted]

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ZAYTSEV, N.A., redaktor; AFONINA, G., redaktor; KOCHERGA, N., redaktor; PISARENKO, V., tekhnicheskiy redaktor.

[Handbook for mining foremen] Spravochnik gornogo mastera. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1955. 547 p. [Microfilm](MLRA 8:2)

1. Chlen-korrespondent AN USSR (for Zaytsev).
(Coal mines and mining)

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ZAYTSEV, N.A.

USSR

48. [illegible]ANGES IN GAS PRESSURE AND GAS EMISSION IN A STEEPLY DIPPING COAL SEAM SUBJECT TO SUDDEN ERUPTIONS OF COAL AND GAS, DURING ADVANCE OF FACE IN A SEAM ABOVE. Zaitsev, N.A. and Rapoport, M.Ya. (Izv. Akad. Nauk SSSR, Otdel. Tekh. Nauk (Bull. Acad. Sci. U.S.S.R., Sect. Tech. Sci.), Oct. 1954, [illegible]-181). Observations in the Mazurka seam in Artem mine in central Donbass, and in the Devyatka seam above it, provided useful data for the prevention of eruptions in a dangerous seam by working the seam above.

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ZAYTSEV, N.A.

USSR/Mining FD-1462

Card 1/1 : Pub. 41-16/17

Author : Zaytsev. N. A. and Rapoport, M. Ya., Moscow

Title : Variation in gas liberation from a coal edge-seam subjected to sudden expulsions of coal and gas during stope advancement

Periodical : Izv. AN SSSR. Otd. tekh. nauk 7, 151-155

Abstract : Investigates variation in gas liberation from a coal seam ahead of the longwall by observations of variation in rate of liberation, according to distance from mouth of hole to stope, of methane from holes bored in the seam. The experiments were conducted in the central region of the Donbas by the Institutes of Mining of the Academy of Sciences of the USSR and of the UkSSR under the direction of A. A. Skochinskiy. Diagram; graph; tables. Two references.

Institution :

Submitted : July 3, 1954

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ZAYTSEV, N. A.

Fuel Abst.
Vol. 15, No. 2
Feb. 1954
Natural Solid
Fuels: Winning

1035. Technical Conference of Combating Sudden Eruptions of Coal and Gas in Coal Mines. Zaitsev, N. A. et al. (Conference at Gerlovka, 1952; abstr. in Izv. Akad. Nauk SSSR, Otdel. Tekh. Nauk (Bull. Acad. Sci. U.S.S.R., Sect. Tech. Sci.), July 1953, 1074-1076). Eight papers and discussions are summarized.

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ZAYTSEV, N. A.

Coal-mining machinery

Experience with operating combines KKP-1. Mekh.trud.rab. 6 No. 8, 1952.

Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.

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BANYASZATI ES KOHASZATI LAPOK —
HUNGARIAN JOURNAL OF MINING
AND METALLURGY
Vol. V (LXXXIII). — 1950
No. 10, Oct.

V. A. Zoftsev 622.83
Directing of rock pressure in seams
with a steep dip in the Donetz Basin pp 581-587

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