SKVORTSOV, N.

Train all year round. Voen. znan. 37 no.12:30 D '61.
(MIRA 14:12)

1. Starshiy inspektor TSentral'nogo komiteta Dobrovol'nogo obshchestva sodeystviya armii, aviatsii, i flotu.
(Aquatic sports)

GITALOV, Aleksandr Vasil'yevich, brigadir, dvazhdy Geroy Sotsialisticheskogo Truda; MASLOV, M., brigadir; SKVORTSOV, N., mekhanizator; OSADCHIY, P.G., red.; GONCHAROVA, Ye.A., tekhn. red.

[Working the Gitalov way] Rabotat' po gitalovski. Belgorod, Belgorodskoe knizhnoe izd-vo, 1962. 25 p. (MIRA 15:4)

1. Traktornaya brigada kolkhoza imeni XX s"ezda Kommunisticheskoy partii Sovetskogo Soyuza Novoukrainskogo rayona Kirovogradskoy oblasti (for Gitalov). 2. Traktornaya brigada kolkhoza "Rossiya" Shebekinskogo rayona (for Maslov). 3. Sovkhoz "Babrovskiy" Gubkinskogo rayona (for Skvortsov).
(Farm mechanization)

SKVORTSOV, N., inzh. (Kiyev)

Full automatic control. Zhil.-kom.khoz. 10 no.3:33-34 '60.
(MIRA 13:7)

(Kiev--Boilers)
(Gas--Heating and cooking)
(Automatic control)

RUTKOVSKIY, D. (Saratov); SKVORTSOV, N. (Saratov)

Confidence. Okhr.truda i sots.strakh. no.12:55 D '59.
(MIRA 13:4)

(Balanda--Repair and supply station)

SKVORTSOV, N.

Training sailor lifeguards. Voen.znan. 32 no.10:12 O '56. (MLRA 10:2)

(Lifesaving)

SKVORTSOV, N.

Training of young sailors. Voen.znan. 38 no.5:32 My '62.
(MIRA 15:5)

1. Starshiy inspektor TSentral'nogo komiteta Dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu.
(Naval education)

L 09324-67
ACC NR: AP6029416 (A) SOURCE CODE: UR/0317/66/000/006/0027/0031

AUTHOR: Skvortsov, N. (Colonel, Engineer, Docent, Candidate of technical sciences); Kotlyar, B. (Colonel, Engineer, Docent, Candidate of technical sciences)

ORG: None

TITLE: Standardization

SOURCE: Tekhnika i vooruzheniye, no. 6, 1966, 27-31

TOPIC TAGS: ordnance industry, weapon, artillery weapon, small arm weapon, ammunition, production engineering, truck, diesel engine / MAZ-500 truck, B-6 diesel engine, B-2 diesel engine

ABSTRACT: General advantages of producing standard machine elements, assembled parts and mechanisms are examined and the importance of using them for weapons and military equipment is stressed. Because of the increase in size and number of various machine elements, it becomes exceedingly necessary to develop their standardization on a vast All-Union scale covering various industries and satisfying growing demands for automation. Some examples of applying uniformity to the production of motor vehicles and artillery weapons are presented. A series of various trucks developed by the Minsk Automobile Plant on the basis of the MAZ-500 model is cited and illustrated in a figure. Another figure shows a development of various vehicles on the basis of a four-wheel tractor. A prewar design of a 12-cylinder aviation diesel engine of B-2 type was used during the war for manufacturing engines for heavy tanks and artillery vehicles. On the basis of this type, a series of

Card 1/2

L 09324-67

ACC NR: AP6029416

engines was developed (including the six-cylinder B-6 engine) which are still in use for propulsion of combat vehicles and light marine vessels. The use of various standard parts and equipment for artillery is reviewed on the basis of the prewar and war practice. This review includes a progressive development of a series of various guns, cannons, mortars and howitzers of 57,76, 122, 152, 203 and 280 mm manufactured between 1931 and 1943. A 152-mm howitzer and 122-mm cannon are shown in a figure mounted on a standard gun-carriage. It is mentioned that a series of artillery carriages and vehicles were constructed on the basis of chassis used for tanks. The use of standard parts for ammunition and small arm weapons is also briefly reviewed with references to the prewar and war experience. Orig. art. has: 3 figures.

SUB CODE: 13, 15/9/SUBM DATE: None

SKVORTSOV, N.A.

Installing new equipment for watering chickens kept in cages. Ptitsevodstvo 9 no.2:26 F '59. (MIRA 12:3)

1.Nachal'nik tsekha Kuntsevskoy ptitsefabriki, Moskovskoy oblasti.

(Poultry houses and equipment)

GRIN', Igor' Mikhaylovich; ILIK, Mark Il'ich; POBEREZKIN, Yefim Anatol'yevich; SKVORTSOV, Nikolay Alekseyevich; SHEVCHENKO, V.P., dots., otv. red.

[Use of plastics in structural engineering] Stroitel'nye konstruktsii s primeneniem plasticheskikh mass. [By] I.M.Grin i dr. Khar'kov, Izd-vo Khar'kovskogo univ., 1964. 181 p. (MIRA 18:1)

SKVORTSOV, Nikolay Filippovich; KONOVALOV, S.V., redaktor; GALAKTIONOVA, Ye.N., tekhnicheskiy redaktor

[Using concrete filled steel pipes in bridge construction] Primenenie staletrubobetona v mostostroenii. Moskva, Nauchno-tekhn.izd-vo avtotransportnoi lit-ry, 1955. 84 p. (MIRA 9:3)
(Bridges, Concrete)

SKVORTSOV, Nikolay Filippovich, kand.tekhn.nauk; ALEKSANDROVSKIY, A.V., inzh., nauchnyy red.; BURMISTROV, G.N., red.; SOKOLOVA, M.A., red.; TOKER, A.M., tekhn.red.

[Masonry work and assemblage of large-block and large-panel buildings] Kamennye raboty i montazh krupnoblochnykh i krupnopanel'nykh zdanii. Moskva, Vses.uchebno-pedagog.izd-vo Trudrezervizdat, 1959. 426 p. (MIRA 13:4)

1. TSentral'naya nauchno-issledovatel'skaya baza Glavmosstroya (for Aleksandrovskiy).
(Masonry) (Precast concrete construction)

SKVORTSOV, Nikolay Filippovich, kand.tekhn.nauk; DANILKINA, N.V., red.; NARINSKAYA, A.L., tekhn.red.

[Manufacture of precast reinforced concrete] Proizvodstvo sbornogo zhelezobetona. Kiev, Gos.izd-vo lit-ry po stroit. i arkhit.USSR, 1960. 371 p. (MIRA 14:3)
(Precast concrete)

GOROBCHUK, G.P.; KIRILYU[illegible] P.G.; KORMILITSYN, N.S.; SVOBODIN, Ye.N.; SKVROTSOV, N.G., STERELYUKHIN, V.A.

Model of a system for automating scientific experiments in carrying out technological research. Vych. sist. no.8:27-31 '63. (MIRA 17:12)

SHUL'ZHENKO, L. A.; SKVORTSOV, N. M. (Saratov)

Health measures in work on mounted reapers. Gig. truda i prof. zab. no.4:47 '62. (MIRA 15:4)

1. Saratovskiy institut sel'skoy gigiyeny.

(HARVESTING MACHINERY)
(AGRICULTURE—HYGIENIC ASPECTS)

SKVORTSOV, N.N., uchitel'

Four experiments on plant physiology. Biol.v shkole no.4:92-93 Jl-Ag '62. (MIRA 15:12)

1. Odinnadtsatiletnyaya shkola No.113, Gor'kiy.
(Plant physiology--Study and teaching)

ELIN, Il'ya Mikhailovich; SKVORTSOV, Nikolay Nikolayevich

[Manual on labor legislation for the lumber industry] Spravochnik po trudovomu zakonodatel'stvu v lesnoi promyshlennosti. Moskva, Goslesbumizdat, 1955. (MLRA 9:5)
(Lumbering) (Labor laws and legislation)

AUTHOR: Skvortsov, N. N. SOV/119-58-8-10/16

TITLE: On the Inadequateness of Clouded Coatings (O nedostatkakh muarovykh pokrytiy)

PERIODICAL: Priborostroyeniye, 1958, Nr 8, pp. 24 - [illegible] (USSR)

ABSTRACT: The use of devices coated with clouded moiré-like varnish M-25 and other clouded types of varnish showed that these coatings are not suitable if the devices are subjected to a current of air or are located in the open.
It is a major disadvantage of these coatings that they are applied in varying thickness. Besides, they are liable to get dusty because of their moiré-type graining, and cleaning is extremely difficult. In the case of radioactive contamination disactivation is practically impossible.
Besides, the technology of production is more difficult than if the respective devices were covered with a smooth coating. Moreover, more paint is necessary for clouded than for smooth coatings. Before applying clouded coatings of varnish, the surface to be treated must first be well and thoroughly prepared.

Card 1/2

On the Inadequateness of Clouded Coatings

SOV/119-58-8-10/16

The shortcomings mentioned make it appear advisable to abandon the practice of applying clouded coatings of varnish and to return to smooth ones.

1. Enamel coatings--Analysis 2. Materials--Preparation

Card 2/2

SKVORTSOV, N.N., inzh.

Low-capacity press to be used in semidry pressing of bricks.
Stroi. mat. 5 no.10:29-30 O '59. (MIRA 13:2)
(Brickmaking machinery)

9(6)

AUTHOR: Skvortsov, N. N., Engineer SOV/119-59-8-13/15

TITLE: New Electrical Measuring Instruments

PERIODICAL: Priborostroyeniye, 1959, Nr 8, pp 30-33 (USSR)

ABSTRACT: In 1958 the Kiyevskiy sovnarkhoz (Kiyev sovnarkhoz) produced a number of electrical measuring instruments of high quality. For magnetic investigations of materials with a coercitive force of up to 1500 oersted the apparatus BU-3 was built, by means of which the magnetization curves, the hysteresis loop, the coercitive force, and remanence may be determined, the error committed being given as amounting to ± 3 %. For the determination of capacities, inductivities, and of the time constant at frequencies of 500, 1000, and 4800 cycles, the apparatus U592 was constructed. By means of this device inductivities may be determined within the range of from 0.02 microhenry to 1 henry, capacities within the range of from 1 picofarad to 1 microfarad, whereas the time constant of ohmic resistances of from 5 to 1000 Ohm and of inductivities of from 0.01 to 5 Ohm may be determined. By means of the instrument M1 103 it is possible to measure the ground resistance at air temperatures of from -25 to +60° C and an air

Card 1/3

moisture of up to 98 %. It has the measuring ranges of from 0.1 to 10 Ohm and from 0.5 to 50 Ohm; a hand-driven generator with 18 v terminal potential serves as a voltage source. The phase indicator E500 is destined for the determination of the displacement angle of the current phases (E500/1) or the voltage phases (E500/2) in three-phase networks. The former is suited, among other things, for the construction of the current vector diagram, and the latter for the investigation of transformer coils etc. The magazine-capacitance-measuring instrument R513 contains a four-decade magazine with an overall capacitance of 1.111 microfarad. All capacities from 130 picofarad to 1.111 microfarad may be adjusted by means of the rotary knobs. Ammeters, voltmeters, and wattmeters of the type D57 are standard instruments suited for the calibration of electrical measuring devices. The characteristics of three ammeters, one voltmeter, and of four wattmeters of this type are given. Likewise, three voltmeters, four ammeters, and three milliammeters of the type E59 are described. The error in these instruments in the case of direct current measurements does not exceed 0.5, and in the

case of alternating current measurements it is not greater than 0.1. Finally, the wattmeter D539 is dealt with, in which the error is 0.5. There are 8 figures.

Card 3/3

14(2) SOV/100-59-10-10/12

AUTHOR: Skvortsov, N.N., Engineer

TITLE: Multi-purpose Loader D-388

PERIODICAL: Mekhanizatsiya stroitel'stva, 1959, Nr 10, pp 28-29 (USSR)

ABSTRACT: The Khar'kovskiy zavod dorozhnykh mashin (Khar'kov Road Making Machine Plant) has started serial production of a multi-purpose loader mounted on a DT-55 Tractor which has the following characteristics: Maximum height of the bucket unloading - 2,700 mm and of the grab-bucket unloading - 3,400 mm; maximum reach of the working tool at maximum height of unloading - 2,050 mm, maximum height of lifting hook - 3,100 mm; length of front cutting edge of bucket for ground - 1,830 mm, for snow or peat - 2,020 mm; maximum dipping capacity below ground level for ground bucket - 380 mm, for snow and peat - 550 mm; maximum turning angle of the working tool at top position of boom - 95°. Dimensions of the loader with ground bucket in the state of transportation: length - 6,000 mm; width - 2,134 mm; height - 2400 mm; weight of the loader with ground bucket - 7,620 kg; average lifting speed of the working tool 0.422 m/second. The loader comes with the following standard equipment: bucket for ground and stones, lifting hook, loading forks. The ground bucket has a capacity of 0.8 cu m

Card 1/2

Multi-purpose Loader D-388

and the lifting hook a capacity of 1,600 kg.
There is one photo.

SOV/135-59-11-7/26

18(2,3)
AUTHOR: Skvortsov, N.N., Engineer

TITLE: Study on Corrosion Resistance of Aluminum Welded Joints

PERIODICAL: Svarochnoye proizvodstvo, 1959, Nr 11, pp 18-19 (USSR)

ABSTRACT: The Ukrainian Scientific-Research Institute of Chemical Machine-
-Building has carried out - in co-operation with the Sumy Plant imeni Frunze - research on the corrosion resistance of welded aluminum joints. For this purpose, technical aluminum A0 and aluminum AV1 of a high purity were used; the welding was performed by means of an automatic process with the application of AN-A1 flux. The experiments were done in both boiling and cold 97% acetic and 98% nitric acids. The duration of research in boiling nitric acid was 500 hours, in boiling acetic acid - 480 hours. Test-pieces of a 90 x 40 mm size, 10 and 25 mm thick were used. It was established that in cold acetic acid corrosion appears in spots, while in boiling acid it is uniform. In nitric acid both cold and boiling, it is uniform. Comparative experiments have shown that the corrosion resistance of aluminum joints welded under flux is not in-

Card 1/2

Study on Corrosion Resistance of Aluminum Welded Joints

ferior to what it is when gas- or hand welding is applied. There are 3 graphs and 1 table.

ASSOCIATION: Gosplan USSR (Gosplan UkrSSR)

SKVORTSOV, N.N., inzh.

OPV sprayer. Trakt. i sel'khozmash. no.11:34 N '59. (MIRA 13:3)
(Spraying and dusting equipment)

8(6), 25(5)
AUTHOR: Skvortsov, N. N., Engineer

S/119/60/000/03/014/017
B014/B007

TITLE: Republic's Conference on Instrument Construction

PERIODICAL: Priborostroyeniye, 1960, Nr 3, pp 27-28 (USSR)

ABSTRACT: From November 24 to November 25, 1959 a republic's conference of the Workers of the Instrument- and Radioindustry of the UkrSSR was held at Kiyev. Lectures were delivered on the acceleration of the development of the instrument industry, and especially on the introduction of new production methods and automation in instrument building. It was stated that the production plan had been fulfilled to 103.5% during the first 10 months of 1959, which, in comparison to the corresponding period of the previous year, means an increase of 20%. The manufacturers of the Kiyev economic rayon increased their production by 65% in the course of the past two years. Several problems are mentioned which must be solved in connection with the automation of industry in general. At present the following new measures are being carried out by the instrument industry of the Ukraine: Apparatus for the automation of open-

Card 1/2

80295
S/115/60/000/04/013/041
D002/D006

~~9(6)~~ 9.6000

AUTHOR: Skvortsov, N.N.

TITLE: The "UTSl-VT-12" Universal Tensometric Installation

PERIODICAL: Izmeritel'naya tekhnika, 1960, Nr 4, pp 20-23 (USSR)

ABSTRACT: Detailed information is given on the design and performance of the twelve-channel "UTSl-VT-12" installation working on a 35 cycles carrier frequency and recording processes in a range of 0 to 7000 cycles. It is designed for measuring stresses and other dynamic processes when testing machines and structures in the open air, or in works and laboratories. It consists of a 12-channel "UTSl-12/35" tensostation, a "V-12" feed unit, a "T-12" graduation unit, and connection lines (diagram, Figure 1). The block diagram (Figure 2), and the circuit diagram (Figure

Card 1/2

Car

SKVORTSOV, N.N., inzh.

Automatic argon-arc welding of aluminum and its alloys. Mashinostroitel' no.5:7 My '60. (MIRA 14:5)
(Electric welding)

SKVORTSOV, N.N.

New gas analysers. Gaz.prom 5 no.2:28-32 F '60. (MIRA 13:6)

(Gases--Analysis)

S/119/60/000/07/06/017
B019/B063

AUTHOR: Skvortsov, N. N.

TITLE: New Instruments

PERIODICAL: Priborostroyeniye, 1960, No. 7, pp. 18-19

TEXT: First, the author describes the electronic controller of the type РУ 4-16А (RU4-16A), which is shown in Fig. 1. This instrument permits the control of various technical processes according to a preset program, and is manufactured by the zavod elektropriborov Kiyevskogo sovnarkhoza (Factory for Electrical Instruments of the Kiyev sovnarkhoz). The automatic electronic instruments of the types ДСМ2 (DSM2) and ДСМР2 (DSMR2) are designed for measuring, recording, and signaling the delivery and pressure as well as their deviations from the preset values. The phase-sensitive voltmeter of the type ВФ-1 (VF-1) is manufactured by the instrument-building industry of the Kiyev sovnarkhoz, and is designed for measuring the complex component of the voltage vector at the output of a four-terminal network. A photograph (Fig. 3) and the circuit diagram (Fig. 4) of the whole instrument, as well as the circuit diagram of the static multiplier (Fig. 5) are shown.

Card 1/2

86653

S/115/60/000/007/012/012/XX
B021/B058

9.6000 (1013, 1056, 1099)

AUTHOR: Skvortsov, N. N.

TITLE: New Electric Measuring Instruments

PERIODICAL: Izmeritel'naya tekhnika, 1960, No. 7, p. 60

TEXT: The following novel instruments are described: 1) a decade unit of mutual inductivity of the type P538 (R538) is used in measuring schemes of d.c. and a.c. with a working frequency of up to 2500 cycles when all decades are connected, except the decade 10x1 millihenry whose upper limit of working frequency is 1500 cycles. The error of mutual inductivity must not exceed $\pm (0.3+\frac{0.1}{M})$, M being the value of the mutual inductivity expressed in millihenries. The decade unit has an electric screening. The measurements are 280x360x540 mm, the weight is 20 kg. 2) A measuring bridge for dielectric losses and for the capacitance of P59 (R59) capacitors is intended for the testing of capacitors whose leads are not grounded. The test voltages vary from 220 v to 10.5 kv a.c (50 cycles) and from 1 to 200 a for reaction currents in the capacitor. The bridge

Card 1/3

New Electric Measuring Instruments

circuit contains the sample capacitors P505 (R505) and P506 (R506) and the vibration galvanometer M501. The measuring limits of the bridge are tabulated. The measuring error of the capacitance is ±1%. The bridge permits the measurement of tan δ in the four sections 0-1%; 0-2%; 0-5%; 0-10%. The bridge also enables to measure the capacitance deviation of the capacitor to be measured in four sections. The bridge is fed from the a.c. net (50 cycles) at 127 and 220 v, respectively. The power consumption is 50 va. The control panel is equipped with a block signal system and a remote circuit for the test current. The dimensions of the bridge are 1250×800×1000 mm; its weight is 200 kg. 3) The bridge of the type P507 (R507), as well as the bridge R59 are intended for measuring dielectric losses and the capacitance of capacitors. It is only supplemented by a device for automatic reading and recording of dielectric losses and the variations in time of the capacitor capacitance. This bridge has the same electric characteristics and limits of the capacitances to be measured as the bridge R59. The recording of tan δ and the capacitance variation is made on tape diagrams 160 mm wide with a speed of from 20 to 720 mm/h. The recorder is fed from the same power sources as the galvanometers. The power consumption is 300 va. The bridge is provided with a control panel.

Card 2/3

SKVORTSOV, N.N., inzh.

New instruments. Teploenergetika 7 no.3:92-94 Mr '60.
(MIRA 13:5)

(Instruments)

SKVORTSOV, N.N., inzh.

New instruments. Teploenergetika 7 no.10:91-92 O '60. (MIRA 14:9)

(Remote control)

SKVORTSOV, N.N., inzh.

Pneumatic membrane drive. Teploenergetika 7 no.11:90 N '60. (MIRA 14:9)

(Pneumatic control)

83206
S/119/60/000/008/007/008
B019/B056

28.1000

AUTHOR: Skvortsov, N. N., Engineer

TITLE: An Automatic Electronic Program Control Device of the Type РУ 5 (RU5)

PERIODICAL: Priborostroyeniye, 1960, No. 8, p. 28

TEXT: The described device for position control, the proportional or isodrome-like control of various quantities under a program may, e.g., be used also in conjunction with other controllers. The instrument shown in Fig. 1 consists of a position control device, a servo-system, and a bridge circuit for program control. The sensitive element of this device is a "photohead" which immediately follows a program that has been recorded on a chart tape. The "photohead" consists of a photo-conductive cell and a lighting lamp. A reversing motor controls the "photohead" and the slide of a rheochord. The instrument is fed with 220-v alternating current from the mains and has a consumption of 60 va. It is produced by the zavod elektropriborov Kiyevskogo sovnarkhoza (Plant for Electric Instruments of the Kiyev sovnarkhoz). There is 1 figure.

Card 1/1

S/096/60/000/010/009/022
E194/E184

New Instruments

Remote control interlocking valve type KDUB-1. This valve is intended for remote control of hydraulic servodrives and also to close off the oil supply to the servodrive when the oil pressure applied to the regulator falls below 2.5 kg/cm^2. An external view of the valve is shown in Fig 4 and a sectional drawing in Fig 5. Two variants are made to control servodrives with and without synchronising receivers. The setting of the handle controls the position of a plunger which alters the interconnection of the oil lines. The valve operates on dry transformer oil at a pressure of 12 kg/cm^2, but when the delivery pressure falls below 2.5 kg/cm^2 the spring loaded plunger is displaced, thus fixing the position of the servodrive. The valve weighs 5.5 kg.

There are 4 figures.

Card 2/2

SKVORTSOV, N.N.

New relays used in production processes. Priborostroenie no.5:23-24 My '61. (MIRA 14:5)

(Electric relays)

SKVORTSOV, N.N.

Effectiveness of the specialization and cooperation in the instrument industry of the Ukraine. Priborostroenie no.9: 29-31 S '62. (MIRA 15:9)

(Ukraine—Instrument industry)

SKVORTSOV, N.N.

Increasing the interchangeability ratio in the instrument industry. Priborostroenie no.12:19-20 D'62. (MIRA 17:5)

ASTAF'YEV, V.Ye., inzh.; SKVORTSOV, N.N., kand. ekonom. nauk

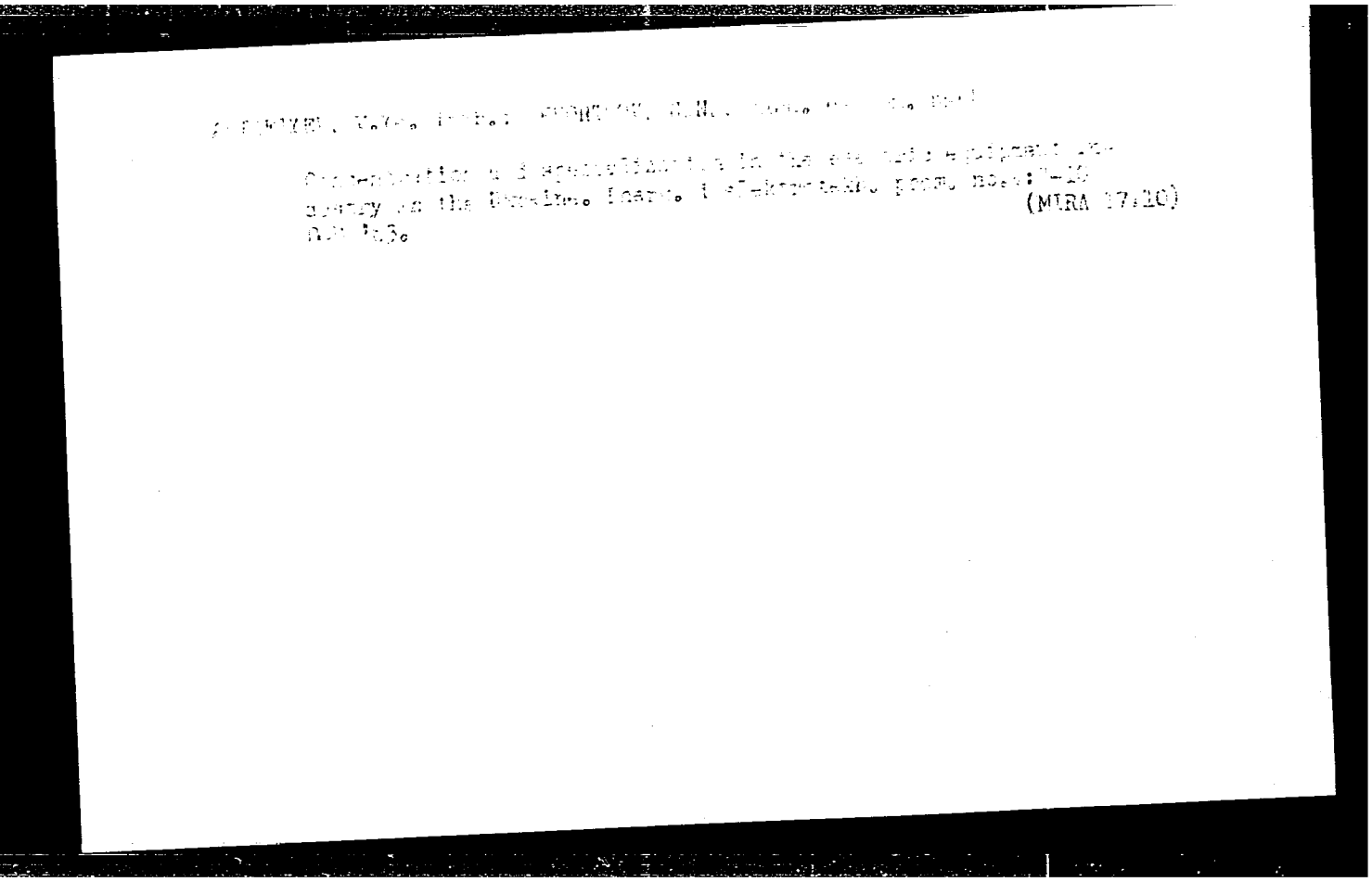
Growth reserves in the labor productivity of the electric equipment industry. Energ. i elektrotekh. prom. no.1: 63-67 Ja-Mr '64. (MIRA 17:5)

SAVOSTSOV, N.L., kand. ekonom. nauk; ASTAF'YEV, V.Ye., inzh.

Effectiveness of using polymer synthetic materials in the electric equipment industry. Energ. i elektrotekh. prom. no.2:66-67 Ap-Je '64. (MIRA 17:10)

SKVORTSOV, N.N., kand. ekonomicheskikh nauk

Development of the specialization in the Ukrainian machinery industry. Vest. mashinostr. 44 no.9:68-71 S '64. (MIRA 17:11)



(MIRA 17:10)

SKVORTSOV, N.N., kand.ekonom.nauk

Ways for better utilizing the capital assets of the electric equipment industry of the Ukrainian S.S.R. Energ. i elektrotekh. prom. no.2:66-68 Ap-Je '65. (MIRA 18:8)

ASTAF'YEV, V.Ye., inzh.; STAVSKAYA, G.I., inzh.; SKVORTSOV, N.N., kand. ekonom. nauk

Effectiveness of "chemization" in the electric equipment industry. Energ. i elektrotekh. prom. no.3:68-69 Jl-S '65. (MIRA 18:9)

KRIVTSOV, V.N., inzh.; SKVORTSOV, N.N., ekonomist

Increasing the quality, reliability and durability of machinery.
Mashinostroenie no.5:40-41 S-O '65. (MIRA 18:9)

SKVORTSOV, N.N., kand. ekon. nauk

Effectiveness of "chemization" in the cable industry. Energ. i elektrotekh. prom. no.4:67-68 O-D '65.
(MIRA 19:1)

[illegible], I. I. [illegible] Investigation of Basic Parameters of High-Frequency Equipment for Fusing Glass." Sub 30 Dec 50, Moscow Order of Lenin Power Engineering Inst imeni V. M. Molotov (Dissertation for the Degree of Candidate in Technical Science.)

SO: Vechernaya Moskva, January-December 1950

SKVORTSOV, N.P., inzhener.

High-frequency heating of materials with high specific resistance. Vest.elektroprom. 27 no.5:30-34 My '56. (MLRA 9:12)

1. Moskovskiy energeticheskiy institut imeni V.M. Molotova.
(Induction heating) (Dielectric heating)

SKVORTSOV, N.P., tekhnik

Reconditioning the rotor of the AEG 4,5 mev., 3000 r.p.m. turbine. Energetika 8 no.3:11-12 Mr '60. (MIRA 13:6)

(Turbines--Maintenance and repair)
(Electric welding)

SKVORTSOV, N.P.

Operation of Sh^MA coal mills without framework casings. Energetik 9 no.3:7 Mr '61. (MIRA 14:7)
(Milling machinery)

SKVORTSOV, N.P., nachal'nik tsekha

Mechanized stoker. Energetik 9 no.7:16 Jl '61. (MIRA 14:9)
(Stokers, Mechanical)

GARNISH, A.M.; SHAFRANSKIY, L.M.; SKVORTSOV, N.P.; ZVEZDINA, E.A.; STEPANOVSKAYA, V.F.

Catalytic oxidation of propylene to acrolein in the presence of water vapors. Kin.i kat. 3 no.2:257-260 Mr-Ap '62. (MIRA 15:11)

1. Novokuybyshevskiy filial Nauchno-issledovatel'skogo instituta sinteticheskogo spirta.

(Propene) (Acrolein) (Water vapors)

SKVORTSOV, Nikolay Petrovich; TSISHEVSKIY, V.P., red.

[Electron-tube, ionic and mechanical high-frequency generators for electrothermy] Vysokochastotnye generatory dlia elektrotermii; lampovye, ionnye, mashinnye. Red.V.P. TSishevskii. Moskva, Mosk. energ. in-t, 1961. 118 p. (MIRA 16:10)

(Electric generators) (Oscillators, Electric)
(Electric heating)

34631
S/056/62/042/002/003/055
B102/B138

24 2120
24.6710

AUTHORS: Zhukov, V. I., Skvortsov, N. S., Kurtyan, V. S.

TITLE: Measurement of electron mobility from the change in the resistance of a plasma in a magnetic field

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 42, no. 2, 1962, 330 - 337

TEXT: The authors have developed a method for making direct measurements of electron mobility in a plasma. It will be published in the ZhTF. For this method the electron concentration and active surface area of the electrons must be known. It was used to measure the electron mobility in a weakly ionized cesium plasma. A special apparatus was designed, to hold the plasma in thermodynamic equilibrium so that its temperature is determined by that of the electrodes. The whole arrangement was placed in a solenoid, to produce the magnetic field, and then in a thermostat. The conditions are different from those obtaining with semiconductors, since the plasma electrons are freely movable and the Hall emf equals zero. The theory of the behavior of plasma electrons is developed and formulas are

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derived for the conductivity ratio with and without field

$\sigma'_H/\sigma_0 = \left(\frac{\quad}{1+(\quad)^2}\right)$ and $\sigma_H/\sigma_0 = \left[\sigma_0/\sigma'_H + \sigma_0 H^2 d^2/12\eta c^2\right]^{-1}$;

η is the viscosity of the gas, d the electrode distance and τ the electron relaxation time; $\sigma_0 = enu$, $u = (e/m)\langle\varepsilon\tau\rangle/\langle\varepsilon\rangle$, u is the electron mobility, the $\langle\ldots\rangle$ denote averaging over Maxwell distribution. In weak magnetic fields,

$\sigma_H/\sigma_0 = -\gamma\,(uH/c^2)\,(1 + end^2/12\eta u\gamma)$. (22), in strong fields

$\sigma'_H/\sigma_0 = (2/\gamma - \gamma_1)\,(c/uH)^2$,

$\frac{\sigma_0}{\sigma_H} = \frac{\gamma}{2}\left(\frac{uH}{c}\right)^2\left(1 + \frac{end^2}{6\eta u\gamma}\right)$ (23)-(24). The experimental conditions with Cs plasma were chosen so that $\sigma_H/\sigma_0 = \sigma'_H/\sigma_0$. At T = 1625°K and p_{Cs} = 0.4 mm Hg, the following experimental results were obtained:

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S/056/62/042/002/003/055
B102/B138

Measurement of electron ...

	H = 66 oe	90 oe	126 oe
σ_H/σ_o	0.96	0.93	0.86
$10^{-8}u_H$, cm^2 oe/v.sec	0.161	0.22	0.33
$10^{-5}u$ cm^2/v.sec	2.4	2.4	2.6

For the mobility, u, a slight decrease was observed with increasing T. At temperatures above 1800 °K the u values obtained from conductivity measurements without, ($u_R = 4el/3\sqrt{2\pi mkT}$; l-mean free path) are somewhat lower than those (u_H) from measurements with magnetic field. The divergence is greatest at 2000°K. The fact that with increasing T, u_R decreases a little faster than u_H is attributed to the more rapid increase in Q_R with T. The cross section ratio is $Q_H/Q_o = (R/R')^{1/2}$; $R = R_o + R'$ is the total resistance; $Q_H/Q_o = (Q_R/Q_o)^{1/2}$. At T<1600°K both methods yield $Q_o \approx 3 - 4 \cdot 10^{-14}$ cm^2. B. Ya. Moyzhes, V. L. Gurevich, E. V. Sonin are

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thanked for discussions and D. N. Mirlin, A. M. Martsinovskiy, B. I. Tsirkel' and I. G. Artem'yev for help. There are 4 figures and 10 references: 7 Soviet and 3 non-Soviet. The three references to English-language publications read as follows: R. B. Brode, Rev. Mod. Phys., 5, 257, 1933; Phys. Rev. 34, 673, 1929; J. Esterman et al. Phys. Rev. 71, 250, 1947.

ASSOCIATION: Institut poluprovodnikov Akademii nauk SSSR (Institute of Semiconductors of the Academy of Sciences USSR)

SUBMITTED: June 30, 1961

X

SELIFONOV, S.A.; SKVORTSOV, N.V., redaktor

[School experimental plot] Prishkol'nyi uchebno-opytnyi uchastok. Izd. 2-oe, perer. i dop. [Gor'kii] Gor'kovskoe obl. gos. izd-vo, 1952. 250 p. (MLRA 9:11)
(School gardens)

SKVORTSOV, N.V.

Some important problems in teaching biology. Biol. v shkole no.1: 8-11 Ja-F '58. (MIRA 11:1)

1. Direktor Gor'kovskogo oblastnogo instituta usovershenstvovaniya uchiteley.
(Gorkiy Province--Biology--Study and teaching)

SKVORTSOV, Nikolay Vasil'yevich; KNYAZEV, V.V., red.

[Output of diesel engines over and above the plan] Dizeli - sverkh plana. Gor'kii, Gor'kovskoe knizhnoe izd-vo, 1963. 27 p. (MIRA 17:5)

L 63622-65 EPF(n)-2/EWT(m)/EWP(b)/EWP(t) Pu-4 IJP(c) WW/JD/JG

ACCESSION NR: AP5017002 UR/0186/65/007/003/0356/0357

542.61:546.791.6:661.718.1+661.718.2

AUTHOR: Laskorin, B. N.; Filippov, Ye. A.; Goncharenko, G. I.; Skvortsov, N. V.; Skorovarov, D. I.

TITLE: Extraction of uranium (VI) from carbonate solutions by quaternary phosphonium and arsonium bases

SOURCE: Radiokhimiya, v. 7, no. 3, 1965, 356-357

TOPIC TAGS: uranium extraction, phosphonium base, arsonium base, hydroxyquinoline

ABSTRACT: To determine the effect of the concentration of carbonate ions and nature of the diluent on the extraction of uranium (VI), the authors tested phosphonium salts $[R_4P]^+Cl^-$ and arsonium salts $[R_4As]^+Cl^-$. The organic phase consisted of a 0.1 M solution of the quarternary base in chloroform or butyl ethyl ketone containing 7 vol. % n-octanol. 0.008 M aqueous solutions of uranium containing 0.1 M ammonium bicarbonate and 0.1-1.0 M sodium carbonate were employed. The extraction was carried out by vigorously shaking the combined aqueous and organic phases. It was found that the arsonium and phosphonium compounds have practically the same extractive properties, but the addition of 8-hydroxyquinoline causes the distribution ratio to be much higher in the case of the arsonium compounds. It is concluded that the extraction of uranium (VI) from carbonate

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L 63622-65

ACCESSION NR: AP5017002

media by the phosphonium and arsonium compounds is rather ineffective owing to a decrease in the distribution coefficient caused by an appreciable solubility of the complex in the aqueous phase; however, the addition of 8-hydroxyquinoline raises the distribution ratio because of the formation of the complex $[UO_2(C_9H_6ON)_3]^-$, which has no affinity for water. "The phosphonium and arsonium bases were synthesized by G. Kh. Kamay and co-workers." Orig. art. has: 3 figures and 4 formulas.

ASSOCIATION: None

SUBMITTED: 23Dec63 ENCL: 00 SUB CODE: IC

NO REF SOV: 000 OTHER: 007

Card 2/2

S/0109/63/008/006/1009/1018

ACCESSION NR: AP3000999

AUTHOR: Kovalev, A. N.; Skvortsov, N. Ye.

TITLE: Effect of the degree of germanium alloying on the basic radiotechnical parameters of tunnel diodes

SOURCE: Radiotekhnika i elektronika, v. 8, no. 6, 1963, 1009-1018

TOPIC TAGS: tunnel diode, germanium, p-n junction, carrier density

ABSTRACT: The results of varying the alloy concentrations and junction areas in Ge tunnel diodes are described. Both n- and p-types were tested over concentration ranges of n = 8 x 10 sup 18 to 5 x 10 sup 19 electrons/cm sup 3 and p = 5 x 10 sup 18 to 1 x 10 sup 20 electrons/cm sup 3. In diodes based on n-type Ge the p-region was formed by doping with indium and 0.5-2% traces of gallium; in those based on p-type Ge the n-region was also obtained from indium, with arsenic traces. The junctions were reduced in size by repeated etching, while operating parameters were observed. Sample data are given for a series of 16 etch steps, after each of which the I sub p (peak current),

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ACCESSION NR: AP3000999

I sub v (valley current), C sub p (capacitance), and r sub s (forward resistance) were recorded. A final junction diameter of approximately 10 microns was obtained in this way, with C sub p less than 3 pf and r sub s less than 2 ohms. Various degrees of alloying had the following effects on diode operation. 1) Peak voltage V sub p could vary from 35 to 110 mv by increasing p density, although no such dependence was observed on n density. 2) Tunnel current densities varied from 10 sup -1 to 10 sup 3 amp/cm sup 2. 3) The ratio I sub p/C sub p had the exponential relation to carrier density predicted by theory, with peaks up to 10 mamp/pf in p-type junctions. 4) The minimum negative resistance value R sub 0 decreased nonlinearly with a rise in n- or p-type carrier density. 5) The upper limit frequency f sub lim was found to increase nonlinearly with carrier density; for C = 1 pf and r sub s = 2.4 ohms, f sub lim was 25 Gc. Tests made with temperature as the controlled variable showed that the diode temperature-current characteristic depends on the p-density and may be negative (low density) or positive (high density); hence an optimum alloy exists for a given operating voltage range which will have the least temperature sensitivity. Test results are analyzed with a view to improving tunnel diode performance in respect to lower noise level, better temperature stability, and higher

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ACCESSION NR: AP3000999

frequency response. Orig. art has: 13 figures and 1 table.

ASSOCIATION: Institut radiotekhniki i elektroniki AN SSSR (Institute of Radio Engineering and Electronics AN SSSR)

SUBMITTED: 08Jun62 DATE ACQ: 01Jul63 ENCL: 00

SUB CODE: 00 NO REF SOV: 004 OTHER: 002

Card 3/3

SKVORTSOV, O.S., inzh.; CHUPRIKOV, S.A.

Effect of the ED-16-01 diesel-electric locomotive on temporary 750 mm. gauge railroad tracks. Torf.prom. 36 no.3:23-25 '59. (MIRA 12:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zheleznodorozhnogo transporta (for Chuprikov).
(Railroads--Track)
(Peat industry--Equipment and supplies)

SMIRNOV, A.I., kand.tekhn.nauk; SKVORTSOV, O.S., inzh.; KISELEV, V.V.

Use of long-length rails on the railways of the Shatura peat transportation. Torf. prom. 38 no. 3:18-21 '61. (MIRA 14:4)

1. Vsesoyuznyy tsentral'nyy nauchno-issledovatel'skiy institut Ministerstva putey soobshcheniya (for Skvortsov). 2. Shaturskoye transportnoye upravleniye (for Kiselev).
(Shatura--Peat industry)

AL'BREKHT, Vladimir Georgiyevich, doktor tekhn.nauk, prof.; SMIRNOV, Aleksey Ionovich, kand.tekhn.nauk; PETROVA, Vera Nikolayevna, inzh. Prinimali uchastiye: VINOGRADOVA, Ye.I, inzh.; SKVORTSOV, O.S., inzh.; CHUPRIKOV, S.A., inzh. BYKHOVSKAYA, S.N., red.izd-va; MAKSIMOVA, V.V., tekhn.red.

[Selecting the types of superstructure for railroad tracks in open pit mines] Vybor tipov verkhnego stroeniia zheleznodorozhnykh putei v kar'erakh. By V.G.Al'brekht, A.I.Smirnov, V.N.Petrova. Pod obshchei red. A.I.Smirnova. Moskva, Gosgortekhizdat, 1962. 198 p. (MIRA 15:5)
(Mine railroads)

ZAKATALOV, Ye.V., inzh.; BELYKH, K.D., inzh.; ZVUKOV, N.M., inzh.; SKVORTSOV, O.S., inzh.; NETUSOV, V.P., inzh.; AL'BREKHT, V.G., doktor tekhn. nauk, prof., red.; PETROVA, V.L., red.; USENKO, L.A., tekhn. red.

[Mechanization of the repair and maintenance of normal and narrowgauge railroad tracks of industrial enterprises] Mekhanizatsiia remonta i soderzhaniia zheleznodorozhnykh putei normal'noi i uzkoi kolei promyshlennykh prepriiatii. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1962. 63 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Trudy, no.225). (MIRA 15:5)

1. Nachal'nik sluzhby puti zavoda chernoy metallurg im. Dzerzhinskogo (for Belykh).
(Railroads, Industrial--Maintenance and repair)

SMIRNOV, A.I., kand.tekhn.nauk; SKVORTSOV, O.S., inzh.

Action exerted by a narrow-gauge diesel locomotive on the track. (MIRA 15:4)
Put' i put.khoz. 6 no.5:47-48 '62.
(Diesel locomotives) (Railroads, Narrow-gauge)

SKVORTSOV, O.S., inzh.

Analyzing the mclulus of elasticity of the rail substructure of narrow gauge railroads. Vest.TSNII MPS 21 no.3:44-45 '62. (MIRA 15:5)

(Railroads, Narrow gauge---Track)

SKVORTSOV, O.S., inzh.

Increasing train speed in peat industry transportation.
Torf. prom. 39 no.5:10-14 '62. (MIRA 16:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zheleznodorozhnogo transporta Ministerstva putey soobshcheniya.

SKVORTSOV, O.S., otv. za vyp.; DROZDOVA, N.D., tekhn. red.

[Regulations for the design of narrow gauge (750 millimeters) tracks for strength] Pravila proizvodstva raschetov uzkokoleinogo puti (koleia 750 mm) na prochnost'. Moskva, Transzheldorizdat, 1963. 62 p. (TsNII/2198) (MIRA 16:8)

1. Russia (1923- U.S.S.R.) Ministerstvo putey soobshcheniya. (Railroad engineering—Tables, calculations, etc.) (Railroads, Narrow-gauge)

SKVORTSOV, O.S., kand. tekhn. nauk

Potentials for reducing train resistance to motion in peat transportation. Torf. prom. 40 no.6:12-14 '63. (MIRA 16:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zheleznodorozhnogo transporta Ministerstva putey soobshcheniya.

SMIRNOV, A.I., kand.tekhn.nauk; PETROVA, V.N., inzh.; SKVORTSOV, O.S., kand.tekhn.nauk; Prinimali uchastiye: VINOGRADOVA, Ye.I., inzh.; ALEYNIKOVA, G.S., inzh.; KOSHINA, A.V., tekhnik; PETUSHKOVA, I.K., inzh., red.

[Efficient kinds of track structures of narrow-gauge railroads (750 mm.gauge).] Ratsional'nye tipy verkhnego stroeniia puti zheleznykh dorog (kolei 750mm). Moskva, Izd-vo "Transport," 1964. 148 p. (Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut zheleznodorozhnogo transporta. Trudy, vol. 271) (MIRA 17:5)

SKVORTSOV, O.S., kand.tekhn.nauk; SHVARTS, Ya.F., inzh.

Performance of rails hardened in oil. Put' i put.khoz. 9 no.8:41 '65. (MIRA 18:8)

CHERDANTSEV, G.N.; BASHLAVINA, G.N.; MARUSOV, A.Ya.; MERKULOV, V.A.; FILIPPOV, Yu.V.; LARIN, D.A.; DENZIN, P.V.; KOMKOV, A.M.; KARAVAYEVA, Z.F.; MIROSHNICHENKO, A.F.; KOLDAYEV, P.K.; SKVORTSOV, P.A.; PAVLOV, V.V.

Discussion of K.A.Salishchev's report. Brief report of speeches of G.N. Cherdantsev, G.N.Bashlavina A.IA.Marusov, V.A.Merkulov, IU.V.Filippov, D.A.Larin, P.V.Denzin, A.M.Komkov, Z.F.Karavaeva, A.F.Miroshnichenko, P.K.Koldaev, P.A.Skvortsov, V.V.Pavlov. Vop.geog. no.34:14-34 '54. (MLRA 7:12)
(Cartography)

SKVORTSOV, P. F. Engineer

"On the question of Reviewing OST NKPT 3602 -- Circular Saws for Cold Cutting of Metal." Stanki I Instrument Vol. 15, No. 4, 1944

BR 52059019

SKVORTSOV, P. F., Engineer

"Stamped Blades of High-Speed Steel (Built-up)."
Stanki I Instrument Vol. 15, No. 9, 1944

BR 52059019

SKVORTSOV, P. F., Engineer

"A Cutter for Machining Red-Hot Work Pieces."
Stanki I Instrument Vol. 15, No. 10-11, 1944

BR 52059019

SKVORTSOV, P. V., Engineer

"An Improvement in the Geometrical Factors of Centering Drills." Stanki I Instrument Vol. 15, No. 12, 1944

BR 52059019

SKVORTSOV, P.I

105-58-4-33/37

AUTHOR: Sergeyev, A. S., Docent

TITLE: Dissertations (Dissertatsii)

PERIODICAL: Elektrichestvo, 1958, Nr 4, pp. 92-93 (USSR)

ABSTRACT: For the Degree of Candidate of Technical Sciences 1946-1954.
At the Moscow Institute for Mechanization and Electrification of Agriculture (Moskovskiy institut mekhanizatsii i elektrifikatsii sel'skogo khozyaystva).
P. F. Skvortsov, on October 23, 1946: "Asynchronous Generator With Condenser Excitation". Official opponents were: Doctor of Technical Sciences Professor Ye. V. Nitusov and Doctor of Technical Sciences Professor Yu. S. Chechet.
N. P. Stepanov, on June 25, 1947: "The Problem of Using Monophase Transformers in Networkks With Small Load Density". Official opponents were: Professor V. N. Stepanov, Doctor of Technical Sciences Professor Ye. V. Nitusov, and Candidate of Technical Sciences Docent V. N. Andrianov.
D. V. Abramchev, in October 1948: "Performance of Three-Phase Asynchronous Motor in Monophase Condenser Operation". Official opponents were: Doctor of Technical Sciences Professor Ye. V. Nitusov and Member of the Academy VASKhNIL M. O. Yevreinov.

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SKVORTSOV, P.F.

Raspilivanie metallov kruglymi pilami.
Moskva, Mashgiz, 1949. 169 p. illus., deagrs., tables

Bibliography: p. (168)

Sawing metals with circular saws.

DLC: TJ1233.S6

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

SKVORTSOV, Docent P. F.

Cand. Technical Sci. "The Pitch of File Teeth," Stanki i Instrument, No. 4, 1949; "Professor S. A. Burguchev," Elektrichestvo, No. 10, 1949; "Prof. M. F. Poyarkov (On His 60th Birthday and 30th Year of Scientific and Pedagogical Activity)," ibid., 3, 1950.

ALUKER, Sh.M.; VASIL'YEVA, I.A.; RASOVSKIY, E.I.; SKVORTSOV, P.F.

[General electrical engineering in illustrations and drawings] Elektrotekhnika v risunkakh i chertezhakh. Leningrad, Gos. energ.izd-vo. Pt.2. [Electric machines, apparatus and installations] Elektricheskie mashiny, apparaty i ustanovki. 1951. 1., diagrs. (in portfolio) (MIRA 13:2)

(Electric engineering)

RASOVSKIY, E.I.; ALUKER, Sh.M.; VASIL'YEVA, I.A.; KAMINSKIY, M.D. [deceased]; SKVORTSOV, P.F.; LOMONOSOV, V.Yu., prof., retsenzent

[General electrical engineering in illustrations and drawings] Obshchaia elektrotekhnika v risunkakh i chertezhakh. Izd.2., perer. Leningrad, Gos.energ.izd-vo. Pt.1. [Fundamentals of electric engineering) Osnovy elektrotekhniki. 1952. 13 p. (MIRA 13:2)

1. Kafedra osnov elektrotekhniki Moskovskogo instituta mekhanizatsii i elektrifikatsii sel'skogo khozyaystva imeni V.M.Molotova (MIMESKh) (for all except Lomonosov).
(Electric engineering)

ALIKER, SH. M., VASIL'YEVA, I. A.,
SKVORTSOV, P. F., RASOVSKIY, YE. I.

Rasovskiy, YE. I.

Electric engineering in sketches and drawings. Part I. Fundamentals of electric engineering; YE. I. Rasovskiy, Part II. Electric machinery, apparatus and appliances. Reviewed by V. YU. Lomonosov. Elektrichestvo no. 6, 1952.

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

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ALUKER, Sh.M.; VASIL'YEVA, I.A.; ROSOVSKIY, E.I.; SKOVRTSOV, P.F.

[Electric engineering in sketches and charts] Elektrotekhnika v risunkakh i chertezhakh. Pod obshchey red. E.I.Rasovskogo. Izd. 2-oe, perer. i dop. Moskva, Gos. energ. izd-vo. Pt.2. [Electric motors, apparatus and equipment] Elektricheskie mashiny, apparaty i ustanovki. 1957. 7 p. and 147 tables (in portfolio) (MIRA 11:3)
(Electric machinery)

SKVORTSOV, P.F.

ANDRIANOV, V.N., doktor tekhn.nauk; BERSENEV, Ye.Ye., inzh.; BYSTRITSKIY, D.N., kand.tekhn.nauk; GREBENNIKOV, A.F., kand.tekhn.nauk; GRETSOV, N.A., kand.tekhn.nauk; ZUYEV, V.A., kand.tekhn.nauk; KLIMOV, A.A., kand.tekhn.nauk; KOROLEV, V.F., kand.tekhn.nauk; KUDRYAVTSEV, I.F., kand.tekhn.nauk; KULIK, M.Ye., kand.tekhn.nauk; NAZAROV, G.I., kand. tekhn.nauk; OLEYNIK, N.P., inzh.; OSETROV, P.A., kand.tekhn.nauk; PODSOSOV, A.N., inzh.; POPOV, S.T., inzh.; PRISHCHEP, L.G., kand. tekhn.nauk; PCHELKIN, Yu.N., inzh.; RUBTSOV, P.A., kand.tekhn.nauk; RUNOV, B.A., kand.tekhn.nauk; SAVINKOV, K.P., kand.tekhn.nauk; SAZONOV, N.A., prof., doktor tekhn.nauk; SERGEYEV, A.S., inzh.; SKVORTSOV, P.F., kand.tekhn.nauk; SMIRNOV, B.V., kand.tekhn.nauk; SMIRNOV, V.I., kand.tekhn.nauk; TYMINSKIY, Ye.V., inzh.; URVACHEV, P.N., kand.tekhn.nauk; SHTURMAN, B.A., inzh.; SHCHUROV, S.V., kand.ekon.nauk; RUNOVA, L.M., inzh.; VOL'FOVSKAYA, D.N., red.; NIKITINA, V.M., red.; BALLOD, A.I., tekhn.red.

[Manual on the use of electric power in agriculture] Spravochnik po primeneniiu elektorenergii v sel'skom khoziaistve. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1958. 606 p. (MIRA 11:5)
(Electricity in agriculture)

SKVORTSOV, P.F.; SERGOVANTSEV, V.T.; BUDZKO, I.A.

Stepan Artem'evich Burguchev (on the occasion of his 70th birthday). Mekh. i elek. sots. sel'khoz. 16 no.6:57-58 '58. (MIRA 12:1)
(Burguchev, Stepan Artem'evich, 1888-)

ARUSTAMYANTS, Isaak Avanesovich, inzh.; ZLATKOVSKIY, A.P., kand.tekhn.nauk; MOZNAIM, I.M., inzh. [deceased]; SKVORTSOV, P.F., kand.tekhn.nauk; YURASOV, V.V., kand.tekhn.nauk; NIKITINA, V.M., red.; FEDOTOVA, A.F., tekhn.red.

[Brief manual on electricity in agriculture] Kratkii spravochnik po elektrifikatsii sel'skogo khoziaistva. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1959. 250 p. (MIRA 13:5)
(Electricity in agriculture)

SOV/105-59-3-26/27

8(0)
AUTHORS: Andrianov, V. N., Budzko, I. A., Sazonov, N. A., Skvortsov, P. F.

TITLE: Stepan Artem'yevich Burguchev

PERIODICAL: Elektrichestvo, 1959, Nr 3, p. 96 (USSR)

ABSTRACT: This article has been written to celebrate the 70-th birthday of Stepan Artem'yevich Burguchev. He was born in December 1888 and graduated from the Moskovskoye vysshoye tekhnicheskoye uchilishche (Moscow Technical College) as an Electrical Engineer in 1919. While he was still studying, he took part in the planning of the project and in the construction of the first regional power station "Elektroperedacha" (at present GRES im. Klassona). After leaving the college he supervised the efforts directed towards the electrification of agriculture in the Moskovskaya oblast', of textile industry and linen ware Kombinats in the Vladimirskaya oblast' and the planning and the construction of the sub-stations in the Podmoskovskiy ugol'nyy bassein (Podmoskovskiy coal basin). He collaborated in the establishment of the first

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agricultural Yaropoletskaya elektrostantsiya im. Lenina (Yaropolets power station imeni Lenin). Under his supervision the electrified section of the first stage of the Moscow subway and the Dneprovskiy alyuminiyevyy kombinat (Dnepr Aluminum Kombinat) were built. During World War II he was engaged in work concerned with the electrification of industries evacuated to the east. He is a member of the section of electrification of the Nauchno-tekhnicheskiy sovet Ministerstva sel'skogo khozyaystva SSSR (Scientific-Technical Council at the Ministry of Agriculture of the USSR). Since 1923 he is besides his activities as an engineer also engaged in scientific and pedagogical work at the Vsesoyuznyy elektrotekhnicheskiy institut im. Lenina (All-Union Institute of Electrical Engineering imeni Lenin), at the Moskovskiy elektromekhanicheskiy institut im. Lomonosova (Moscow Institute of Electromechanics imeni Lomonosov), and at the Moskovskiy institut mekhanizatsii i elektrifikatsii sel'skogo khozyaystva (Moscow Institute for the Mechanization and Electrification of Agriculture). He is one of the founders of the scientific discipline of the "production and distribution of electrical power in agriculture". He

Stepan Artem'yevich Burguchev SOV/105-59-3-26/27

is the author of many publications. His book " Electrical power stations and sub-stations in agriculture" (1958) is a systematic work which gives a general aspect of experience gained in many years. 1953 he was awarded the Lenin Order. There is 1 figure.

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ALUKER, Sh.M.; ANDRIANOV, V.N.; BUDZKO, I.A.; BURGUCHEV, S.A.; ZAKHARIN, A.G.; NAZAROV, G.I.; PRISHCHEP, L.G.; POYARKOV, M.F.; RABOVSKIY, E.I.; RUNOV, B.A.; SKVORTSOV, P.F.; SERGEYEV, A.V.

P.N.Listov; on his sixtieth birthday and the thirty-fifth anniversary of his industrial, theoretical, and educational work. Elektrichestvo no.11:94 N '62. (MIRA 15:11)
(Listov, Petr Nikolaevich, 1902-)