VORONETSKAS, V. [Voroneckas, V.]

The courageous people of Lithuania. Pozh.delo 7 no.7:28 Jl '61. (MIRA 16:11)

1. Nachal'nik Upravleniya pozharnoy okhrany Litovskoy SSR, Vil'nyus.

VOROMETSKAS, V.[Voronockas, V.]

Ahead of us are important tasks. Pozh. delo 9 no.4:32 Ap '63. (MIRA 16:4)

1. Nachal'nik Upravleniya pozharnoy okhrany Litovskoy SSR.

(Lithuania—Fires and fire prevention)

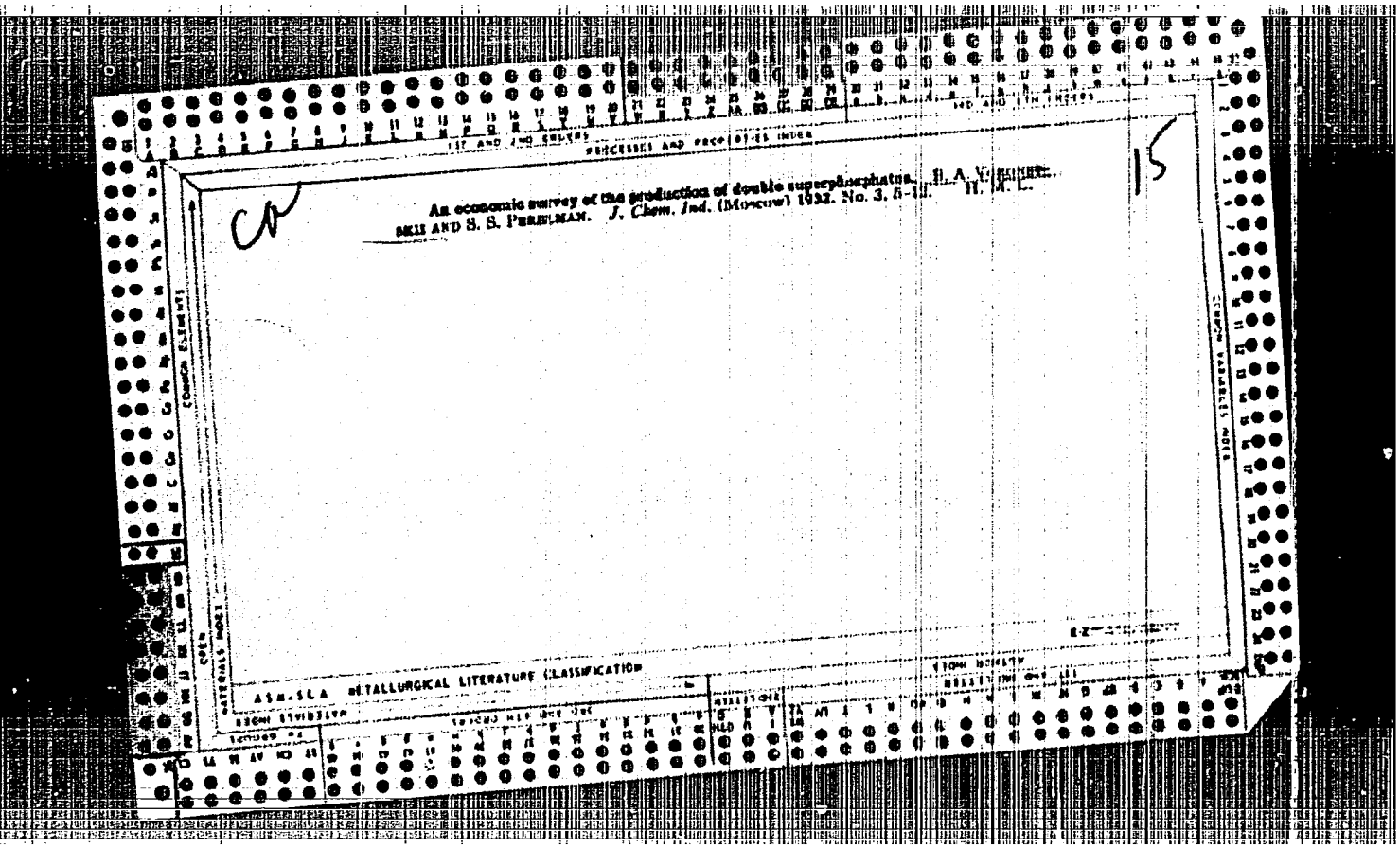
AMBROSOV, Anton Lavrent'yevich; DOROZHKIN, N.A., akademik, red.; VORONETSKAYA, L.S., red.

[Virus diseases of potatoes and methods for growing healthy tubers] Virusnye bolezni kartofelia i metody vyrashchivaniia zdorovykh klubnei. Minsk, Urozhai, 1964. 198 p. (MIRA 18:5)

1. Akademiya nauk Belorusskoy SSR (for Dorozhkin).

VORONETSKAYA, Ye.V.; ROZEN, A.M.

Density, viscosity, surface tension of solutions, and diffusion coefficients of substances in the system water - uranyl nitrate - nitric acid - tributyl phosphate. Ekstr.; teor., prim., app. no.2:199-208 '62. (MIRA 15:9)
(Uranyl nitrate) (Nitric acid) (Butyl phosphate)



VORONETSKIY, B. B.

"Experimental and Theoretical Investigation of the Vibration of the Stator of an Induction Motor as the Source of Magnetic Noises." Sub 29 Mar 51, Sci Res Inst, Ministry of the Electrical Industry USSR Cand Tech Sci

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55

VORONETSKIY, B. B., kandidat tekhnicheskikh nauk.

Natural frequency of vibrations of the stator of an alternating-current motor. Vest.electroprom. 27 no.7:52-57 Jl '56. (MLRA 10:8)

1.Nauchno-issledovatel'skiy institut Ministerstva elektrotekhnicheskoy promyshlennosti.
(Electric motors--Vibration)

VORONETSKIY, B. B.

Call Nr: AF 1154201

AUTHORS: Voronetskiy, B. B., Kucher, E. R.

TITLE: Magnetic Noise of Three-Phase Squirrel-Cage Induction Motors (Magnitnyy shum trekhfaznykh asinkhronnykh korotkozamknutykh elektrodvigateley)

PUB.DATA: Gosudarstvennoye energeticheskoye izdatel'stvo, Moscow-Leningrad, 1957, 56 pp, 8,500 copies

ORIG.AGENCY: None given.

EDITORS: Astakhov, N. V.; Tech.Ed.: Fridkin, A. M.

PURPOSE: The book is intended for engineer designers at electrical engineering plants, and also as a textbook for students of power engineering institutes.

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Call Nr: AF 1154201

Magnetic Noise of Three-Phase Squirrel-Cage Induction Motors (Cont.)

COVERAGE: The book deals with the method of calculating the parameters on which depends the magnetic noise of three-phase squirrel-cage induction motors, and with the methods of investigating the magnetic noise of a.c. motors. The Scientific Research Institute of the Ministry of Electrical Industry conducted a Series of investigations of magnetic noise on an experimental basis. Squirrel-cage induction motors of an All-Union nationwide series were tested. On the basis of investigations of electromagnetic, mechanical and acoustical properties of these motors, formulae were derived for the calculation of parameters on which the magnetic noise depends. Experimental factors were obtained making possible calculations of the intensity of noise in these motors. Some of the formulae were suggested in 1950 by Sinel'nikov, Ye.M., Doctor of Technical Sciences, Prof., (p.13). Works of Urusov, N.D., (p.18) and Timoshenko, S.P., (p.19) are mentioned and the A031-2 type motor characteristic is presented (p.37). There are 29 references, 18 of which are USSR, 11 French, German, and English, and translations into Russian.

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Magnetic Noise of Three-Phase Squirrel-Cage Induction Motors (Cont.)

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Call Nr: AF 1154201

Magnetic Noise of Three-Phase Squirrel-Cage Induction Motors (Cont.)

AVAILABLE: Library of Congress

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Voronetskiy, B.B.

110-9-7/23

AUTHOR: Voronetskiy, B.B., Candidate of Technical Sciences.

TITLE: Calculation of the Natural Frequency of Vibration of the Frame of a Direct-current Machine. (Raschet chastot sobstvennykh kolebaniy yarma mashin postoyannogo toka)

PERIODICAL: Vestnik Elektropromyshlennosti, 1957, Vol.28, No.9, pp. 24 - 28 (USSR).

ABSTRACT: This article is concerned with calculations of the natural frequencies of the stators of d.c. machines. Considered as a vibrating body the stator of a d.c. machine is a hollow cylinder fixed at the feet or flanges. The concentrated masses of the main and the interpoles are uniformly arranged in and firmly fixed to the inside of the cylinder. The stator is symmetrical about the three main axes and the problem of vibration can, therefore, usually be considered as a plane problem. Work carried out by Professor Nikolai at the All-Union Electrotechnical Institute (VEI) indicates that the lower part of the frame between the fixing flanges has a very high natural frequency of vibration and in calculating the natural frequencies of the stator as a whole its flexibility may be neglected. Thus, considered as an incomplete ring with firmly-fixed ends, the stator may have the three main modes of vibration shown in Fig.2. Vibrations of higher order than the fourth are negligible because of their very high frequencies. The natural frequencies of vibration of the frame are then calculated by Ritz's method,

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Calculation of the Natural Frequency of Vibration of the Frame of a Direct-current Machine.

ignoring the mass of the poles. The simplifying assumptions are stated. The determination of the second and third harmonics was considered (in 1935) by Professor Nikolai but some of his formulae are not sufficiently reliable. Equations are then given for three orders of vibration of the frame and expressions for the respective radial and tangential displacements in the form of series. These expressions are substituted in the formulae for the kinetic energy of the ring to obtain the maximum value of energy for each order of vibration. By equating the expressions for the respective maximum energy values, a formula is obtained for the natural frequency of a frame in the form of an incomplete ring. It is found that values of natural frequency calculated in this way (by means of eq. (6)) are somewhat higher than those determined experimentally, particularly for large machines. The mass of the windings, which are not rigidly attached to the poles, and also the give of the bolts that fix the poles to the stator also have an effect but are not taken into account in the present work. The method of allowing for the mass of the poles is explained. The displacement of the poles when the frame vibrates is considered for the usual arrangement of the poles and

Card2/3 the general procedure is as before. The formulae derived were

110-9-7/23

Calculation of the Natural Frequency of Vibration of the Frame of a Direct-current Machine.

used to calculate the natural frequencies of the frames of machines series ПН (from ПН-2.5 to ПН-290) both with and without allowing for the concentrated mass of the poles and the results showed that different correction factors are required to allow for the poles in machines of different sizes. The calculations were checked against test results. The frame was set vibrating by mechanical shock and the harmonic components of these vibrations were analysed. Calculated and measured frequencies for several sizes of machines are plotted in Fig.6 and show reasonable agreement between experiment and theory.
There are 6 figures, 1 table and 4 references, 3 of which are Slavic.

ASSOCIATION: NII EP

SUBMITTED: February 12, 1957.

AVAILABLE: Library of Congress.

Card 3/3

VORONETSKIY, B.D.

8(3,5) P.3 PHASE I BOOK EXPLOITATION SOV/3185

Moscow. Aviatsionnyy institut

Nekotoryye voprosy teorii raboty aviatsionnykh elektricheskikh mashin; sbornik statey (Some Problems in the Theory of Operation of Aircraft Electric Machines; Collection of Articles) Moscow, Oborongiz, 1959. 125 p. (Series: Its: Trudy, vyp. 110) 3,150 copies printed.

Ed.: A. I. Bertinov, Professor; Ed. of Publishing House: K. I. Grigorash; Tech. Ed.: V. P. Rozhin; Managing Ed.: A. S. Zaymovskaya, Engineer.

PURPOSE: This book is intended for engineering and technical workers and students taking advanced courses in electrical machine construction.

COVERAGE: The book contains several articles on the theory and design of special electrical machines, such as: three-winding, bilateral feed transformers (phase discriminator), induction motors with copper-plated ferromagnetic rotor, shielded induction

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motors with copper-plated ferromagnetic rotor and general purpose electrical machines for aircraft. In addition, systems for the stabilization of the frequency of aircraft inverted synchronous converters and their protection are studied. A purportedly new way of speed regulation of induction motors is also examined. References are given after each article.

TABLE OF CONTENTS:

Some Problems in the Theory (Cont.) SOV/3185

AVAILABLE: Library of Congress

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AC/os
3/22/60

S/196/62/000/006/011/018
E194/E154

AUTHORS: Aleksandrov, V.S., Voronetskiy, B.B., Portnoy, T.Z., and Tishchenko, N.A.

TITLE: The present state of development of automated electric drives

PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika, no.6, 1962, 1, abstract 6 K1. (Vestn. elektroprom-sti, no.10, 1961, 7-12).

TEXT: Diagrams are given which show the relative number of drives in various branches of the national economy of the USSR and expected developments are described. New single-armature rolling mill motors are being developed with outputs of 10000-12000 h.p. with high maximum output and good dynamic characteristics. Mercury-arc rectifiers are at present the main type of controlled rectifiers for industrial drive. It is proposed to manufacture sealed single-anode, grid-controlled mercury-arc rectifiers for anode currents of 250-350 and 500 A, including rectifiers with series connected valves and also modernised pumped mercury-arc rectifiers for currents up to

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The present state of development ...

1000 A per anode. New static control systems for drives types УМ17(UMP) and УМ3П (UMZP) with outputs up to 30 kW based on magnetic amplifiers have been developed and introduced. Amplifiers of up to 80 kVA per unit have been developed. A number of new designs of automatic electric power generating sets of packaged design have been developed and investigations are being made on industrial prototype computer-controllers for automatic drives. Static systems with magnetic amplifiers have been used in the development of various drive control systems for metallurgy, mining, machine tool manufacture, paper machines, and power station auxilliaries. An automatically controlled drive has been developed in the metallurgical industry for a new automatic conveyor for charging the furnace. Automatic control has been provided for air heaters, casting machines, the furnace-top loading system and wagon weighing machines. Ionic rectifiers with a total current of about 1 million amps have been provided for non-reversing rolling mills. An ionic drive is being introduced for reversing rolling mills including the main drives of blooming and slabbing mills. Excavators

The present state of development ... S/196/62/000/006/011/018
E194/E154

types [illegible]-4 (EKG-4) have been modernised by utilizing for the main drive d.c. generators controlled by power magnetic amplifiers, which have replaced three-winding generators and increased the output of the excavators. Direct current automatic drives have been provided for diesel-electric installations type 11[illegible] (11DE) and have increased the output of mine winding operations by a factor of 2-2.5 as compared with other installations. Ionic rectifiers have begun to be used for mine winders; industrial prototypes have been developed and constructed for high speed reversing equipment used in conjunction with ionic drives of multi-rope winders. For machine tools there have been developed a series of d.c. drives supplied from power magnetic amplifiers of 0.6-8 kW output. Ferro-transistor programmed digital computer control of machine tools has been developed using step-by-step motors and hydraulic amplifiers. A d.c. main drive system using silicon rectifiers of 50-100 kW has been developed and partially introduced in which the rotor speed is controlled by the field flux. An automatic drive system with continuous programme control has been developed for

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The present state of development ... S/196/62/000/006/011/018
E194/E154

standard heavy horizontal milling machines, boring mills, and lathes. A number of heavy machine tools are provided with controlled ionic drives. A multi-motor drive with multi-generator supply system and contactless tachogenerators has been developed for paper machines, and has successfully passed industrial tests. An electrical drive system has been developed for a number of dry cargo ships, river icebreakers, and tugs. Future developments in drives are indicated.

[Abstractor's note: Complete translation.]

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S/094/62/000/003/001/001
E194/E435

AUTHOR: Voronetskiy, B.B., Candidate of Technical Sciences

TITLE: The development prospects for industrial automatic electric drives

PERIODICAL: Promyshlennaya energetika, no. 3, 1962, 1-4

TEXT: There are two main trends in the development of electric drives: (1) the creation of new systems of drive that use the latest achievements of science and (2) modernization of drives to increase the output of existing equipment. A good example of modernization is the blooming mill of the Kuznetskiy metallurgicheskiy kombinat (Kuznetsk Metallurgical Combine), the output of which has been raised by 41%. In the drive of excavator type ЭКГ-4 (EKG-4), magnetic amplifiers have replaced amplidynes and the output has been raised by nearly 20%. The speed of paper making machines has been increased by using contactless a.c. tachogenerators and magnetic controllers. The structure of capital investment in electrical drives is altering. In 1960, contactless automatic equipment, primary pick-ups, logical elements, transistors, mercury arc rectifiers and electro-

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The development prospects ...

magnetic couplings and brakes comprised only 6.5% of the total cost; in 1980 this figure should be 30%. In the same period the machine costs should diminish from 54 to 40% and the costs of contactor and switching control equipment is to be reduced from 39.5 to 30%. D.c. and a.c. driving motors of 9 to 12 MW will be developed. Large ionic rectifier equipment will be used, particularly in connection with a.c. machines having frequency control. These systems are already being widely used but equipment should be developed for 400 c/s for which there will be required standard series of industrial static frequency converters based on magnetic amplifiers, saturating chokes, thyratrons and power semiconductor rectifiers. The factory manufacture of complex control units will be developed. In the period 1963 to 1965, the replacement of contact type relays with contactless ones is expected to result in an annual economy of 19 million roubles and save annually about 400 tons of copper and 200 tons of steel. Work in the abovementioned fields has started but is not going fast enough. The process of miniaturization will develop. Computer development and programming is still in its early stages but in the

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The development prospects ...

next few years such methods will be applied to automatic blooming mills, automatic blast furnaces, automatic control and protection of hydro-alternator-transformer units and to conveyor systems. The development of new automatic control systems is not yet organized satisfactorily; in some branches there is duplication whilst others are neglected. For example, mining machinery is often based on induction motors which are inherently of unsuitable characteristics. Drives for industrial lifting and transport equipment must be further developed. Special attention should be paid to electrical drives in the building industry, in the manufacture of building materials, in light industry and in the food industries. Coordination work has been commenced by the Gosudarstvennyy komitet Soveta Ministrov SSSR pro koordinatsii nauchno-issledovatel'skikh rabot (State Committee of the Council of Ministers of the USSR for the Coordination of Scientific Research Work). This alone cannot suffice and the time is ripe for the creation in the electrical industry of a number of research and design organizations which should be branches of a central organization, the Vsesoyuznyy nauchno-issledovatel'skiy institut

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avtomatizirovannogo elektroprivoda (VNII Elektroprivod) (All-Union Scientific Research Institute for Automation of Electrical Drive) which should be based on the TsKB of Elektroprivod VNIIEM. Both the Central Institute and the factories should be well provided with laboratories and the Central organization should have adequate facilities for the manufacture of prototypes.

L 27948-66

ACC NR: AP6017708 SOURCE CODE: UR/0105/66/000/001/0085/0086

AUTHOR: Bertinov, A. I.; Voronetskiy, B. B.; Gendel'man, B. R.; Girshberg, V. V.; Gromov, V. I.; Druzhinin, N. N.; Kunitskiy, N. P.; Naumenko, I. Ye.; Petrov, I. I.; Vetrov, G. N.; Rusakov, V. G.; Silayev, E. F.; Slezhanovskiy, O. V.; Syromyatnikov, I. A.; Tulin, V. S.; Filin, N. M.; Tselikov, A. I.; Chilikin, M. G.; Yun'kov, M. G.

ORG: none

TITLE: Engineer N. A. Tishchenko (on his 60th birthday)

SOURCE: Elektrichestvo, no. 1, 1966, 85-86

TOPIC TAGS: electric engineering personnel, metallurgic furnace, electric equipment

ABSTRACT: Nikolay Afanas'yevich Tishchenko completed the Khar'kov Electrotechnical Institute in 1930, after working as an electrician in a metallurgical plant from 1923-1926. He was active in the development of domestically produced electrical equipment for rolling mills and metallurgical furnace works. He was active during WWII in restoring electrical equipment damaged by the Germans. After the war, he was active in developing electrical drive equipment for both domestic and foreign metallurgical plants. He has been active in scientific work, publishing over 45 works in such varied fields as electric drives, equipment reliability and productivity of labor. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 09, 13 / SUBM DATE: none

UDC: 621.34

Card 1/1 BLG

L 22424-66 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l)

ACC NR: AP6013619 SOURCE CODE: UR/0105/65/000/009/0012/0015

AUTHOR: Voronetskiy, B. B. (Candidate of technical sciences; Docent; Moscow) 61

ORG: none

TITLE: Overall automation of industrial varieties of power drive

SOURCE: Elektrichestvo, no. 9, 1965, 12-15

TOPIC TAGS: automatic control system, algorithm, cybernetics, digital system, Laplace transform

ABSTRACT: The author discusses the problems of incorporating various types of power drive in the automatic control systems employed in industry. The problems considered include: the analytic design of power-drive control systems and the compilation of the pertinent algorithms; the determination of optimality criteria, and the maximum optimization of operations. By way of an example the block diagrams are presented of cybernetic systems for the computerized control of electric drive in a blooming mill. The analysis of system dynamics and synthesis of correcting devices are considered. The problem of the synthesis of a multi-motor multi-machine digital automatic system is discussed and the expediency of employing for this purpose the mathematical apparatus of discrete Laplace transformation in its Z- and W- transforms is pointed out. The questions considered in this

Card 1/2 UDC: 621.3.078

L 22424-66
ACC NR: AP6013619

article are based on the initial results of the projects for the overall automation of industrial electric drive being carried out by teams of specialists at two Soviet research institutes. Orig. art. has: 3 figures and 6 formulas. [JPRS]

SUB CODE: 09 / SUBM DATE: 06May65 / ORIG REF: 006

Card 2/2 fds

L 10096-66

ACC NR: AP6001977 SOURCE CODE: UR/0105/65/000/003/0090/0090

AUTHOR: Alekxenko, G. V.; Borisenko, M. I.; Torgetskiy, E. B.; Gladilin, L. V.; Druzhinin, N. N.; Petrov, I. I.; Syromyatnikov, I. A.; Tikhomirov, N. P.; Chernichkin, D. S.; Chilikin, M. G.

ORG: none

TITLE: Professor Vyacheslav Semenovich Tulin on his 60th birthday

SOURCE: Elektrichestvo, no. 3, 1965, 90

TOPIC TAGS: mechanical engineering personnel, electric engineering personnel

ABSTRACT: Professor V. S. TULIN was born in November 1904 and graduated from the Kharkov Engineering Institute in 1925. He has since then specialized in the application of electric drives for the mining industry, in low-voltage apparatus and more recently in automation. At the present time he is the chairman of the Department of Automation and Control Machinery at the Moscow Institute of Radio-Electronics and Mining Electromechanics. He has made major contributions in his field: he is the author of 30 published works including a textbook on the automation of production processes in the mining industry; he also received an award in 1948 in connection with the Donets Basin development. He now participates in ministerial councils and committees concerned with scientific-research work, industrial coordination, also secondary and higher education. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 13, 09 / SUBM DATE: none UDC: 621.34:65.011.56

Card 1/1 HW

L 10998-66

ACC NR: AP6001979 SOURCE CODE: UR/0105/65/000/003/0091/0091

AUTHOR: Veshenevskiy, S. N.; Voronetskiy, B. B.; Gus'kov, P. S.; Il'inov, D. Yu.; Maslennikov, L. V.; Pashkov, M. V.; Petrov, I. I.; Sokolov, I. I.; Stepanov, Yu. V.; Turovskaya, P. G.; Khechumyan, A. P.; Tsein, V. S.; Shteyn, I. M.

ORG: none

TITLE: Professor K. V. Urnov

SOURCE: Elektrichestvo, no. 3, 1965, 91

TOPIC TAGS: scientific personnel, academic personnel

ABSTRACT: Konstantin Vasilevich Urnov died on 11 December 1964 after a serious illness. He was a distinguished scientist and one of the oldest electro-polygraphists. He was born in 1907 and graduated from the Ivanovskiy Polytechnic Institute in 1929, after which he continued to work on the Board of Electric Installations for the next 25 years. His outstanding contribution was to relate successfully the activities of industry with those of the higher educational institutions. His name is closely linked to the development of domestic polygraphic machinery. He was imaginative, creative and bold. Since 1935 he was also engaged in teaching and scientific research work at the Moscow Power Institute and the Moscow Polygraphic Institute where he set up a course on "Electric Drives and Automation of Polygraphic Machines". He is the author of over 30 inventions and published works, including one book. He was a scientist-communist, a man of great knowledge, a good colleague and friend. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 05 / SUBM DATE: none

Card 1/1

UDC: 621.313.1/3

L 11546-66 EWT(d)/EWP(k)/EWP(l)

ACC NR: AP6005030 SOURCE CODE: UR/0105/65/000/001/0092/0092

AUTHOR: Basharin, A. V.; Bystrov, A. M.; Veshenevskiy, S. N.; Vol'metskiy, B. B.; Drozdov, N. G.; Druzhinin, N. M.; Il'inskiy, M. F.; Petrov, I. I.; Petrov, L. P.; Sandler, A. S.; Sokolov, M. M.; Chilikin, M. G.

ORG: none

TITLE: Professor Andrey Trifonovich Golovan

SOURCE: Elektrichestvo, no. 1, 1965, 92

TOPIC TAGS: electric engineering, electric engineering personnel

ABSTRACT: A brief obituary containing the following biographical information: Deceased was a doctor of technical sciences, a professor (Department of Electrical Equipment for Industrial Enterprises) of the Moscow Power Engineering Institute for the past 30 years, and a staff member since 1931 of the TsNIITMash (Central Scientific-Research Institute of Heavy Machine Building). Died 15 Sep 64, at age 63, after a long and severe illness. In 1926, after graduating from the Leningrad Electrical Engineering Institute im. Ul'yanov, deceased became director of a substation within the Gor'kiy GRES. At the TsNIITMash, the deceased worked out the methods for computing the electric drive of presses, drop hammers and other machine tools with percussion loads. The monograph on these methods has gained wide professional recognition. Deceased trained several thousand engineers and over 30 doctors and candidates of science. He authored over 50 scientific works, including the textbook "Osnovy Elektroprivoda" (Fundamentals of Electric Drive)

Card 1/2 UDC: 621.34(093.32)

L 11548-00

ACC NR: AP6005030

published in 1948, with a revised second edition in 1959. He was awarded the Order of the Badge of Merit twice, and other decorations. Orig. art. has: 1 figure.
[JPRS]

SUB CODE: 09 / SUBM DATE: none

HW

Card 2/2

VORONETSKIY, B.B., kand.tekhn.nauk, dotsent (Moskva)

Overall automation of industrial electric drives. Elektrichestvo no.9:12-15 S '65. (MIRA 18:10)

BORISENKO, N.I.; BUTKEVICH, G.V.; VORONETSKIY, B.B.; VASIL'YEV, D.V.; DROZDOV, N.G.; DUBINSKIY, L.A.; ZALESSKIY, A.M.; KASATKIN, A.S.; KOSTENKO, M.P.; KUZNETSOV, P.I.; KULEBAKIN, V.S.; KAMENSKIY, L.G.; MEL'NIKOV, N.A.; NEYMAN, L.P.; PETROV, I.I.; RABINOVICH, S.I.; SAMOKHVALOV, V.A.; SOLODOVNIKOV, V.V.; STEKLOV, V.Yu.; SYROMYATNIKOV, I.A.; FEDOSEYEV, A.M.; CHILIKIN, M.G.; SHATALOV, A.S.; SHEKULIN, I.A.

Petr Ivanovich Voevodin, 1884- ; on his 80th birthday. Elektrichestvo no.9:92 S '64. (MIRA 17:10)

CHILIKIN, M.G., doktor tekhn. nauk, prof. (Moskva); PETROV, I.I., prof. doktor tekhn. nauk (Moskva); VORONETSKIY, B.B., dotsent, kand. tekhn. nauk (Moskva)

Trends in the development of automated electric drives. Elektrichestvo no.3:1-7 Mr '65. (MIRA 18:6)

VORONETSKIY, B.B., kand. tekhn. nauk; GIRSHBERG, V.V., inzh.; KHODNEV, V.V., inzh.

Transistorized systems for automatic control and protection of power engineering and industrial systems. Elektrotekhnika 36 no.4:1-6 Ap '65. (MIRA 18:5)

VORONETSKIY, B.B., kand. tekhn. nauk; SVYATOSLAVSKIY, V.A., inzh.

Optimum modes of operation of the main drive of a blooming mill.
Elektrichestvo no.7:24-28 Jl '64. (MIRA 17:11)

1. VNIIElektroprivod.

VORONETSKIY, I.Ya.; GALICHENKO, G.I.

System for the automatic control of the dosing of constituents in crusher rolls. Avtom. i prib. no.3:6-8 Jl-S '64. (MIRA 18:3)

28578 S/187/61/000/010/003/007
D053/D113

6.6000 (incl 1159)

AUTHORS: Deryugin, N.G., and Voronetskiy, G.V.

TITLE: Restoration of blanking and synchronizing pulses in the video signal after magnetic recording

PERIODICAL: Tekhnika kino i televideniya, no. 10, 1961, 38-41

TEXT: The authors describe a special device for restoring the blanking and synchronizing pulses in the composite video signal which have been reproduced from the magnetic tape. A bloc diagram of this device, which is called a pulse-shaping amplifier, is shown in Fig. 1. The peak-to-peak amplitude of the input video signal should be not less than 0.3 V and of positive polarity. The peak-to-peak amplitude of the video signal at the amplifier output is 1.5 V of positive polarity across a 75-ohm load resistance. The amplifier has 3 independent video outputs designed for operation with a 75-ohm coaxial cable and 2 sync mixture outputs with a 5-V peak-to-peak amplitude of signals across a 75-ohm load resistance. Nonuniformity of the frequency response of the amplifier video channel is ± 1 db in the 0.5 - 6 Mc bandwidth. Image resolution of the 0249 test pattern is 600 lines at the amplifier output. The width

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of the line and frame blanking pulses can be regulated within 10% limits. The leading edges of line and frame pulses and of the sync mixture corresponds to the ГОСТ 7845-59 (GOST 7845-59) standard. The supply is from a stabilized 150 and 250 V d-c source. A trial operation of this pulse-shaping amplifier showed that it could eliminate considerable distortions of the blanking and synchronizing pulses without impairing the TV-image quality. Such a device is necessary in a video recording unit and it can also be successfully employed in the final receiving points of long-distance TV cable and radio-relay lines. There are 6 figures and 2 references: 1 Soviet-bloc and 1 non-Soviet-bloc. The reference to the English-language publication reads as follows: R.M. Dolbly, The Video Processing Amplifier in the Ampex Videotape Recorder, SMPTE, 1958, 67, No. 11, 726-729.

ASSOCIATION: Gosudarstvennyy nauchno-issledovatel'skiy institut Ministerstva svyazi SSSR (State Scientific Research Institute of the Ministry of Communications of the USSR)

14(7) SOV/92-59-2-21/40

AUTHOR: Voronetskiy, M.K., Senior Engineer

TITLE: Ultrasonics Clean Oil Wells of Paraffin Deposits (Ul'trazvuk ochishchayet slavazhiny ot parafina)

PERIODICAL: Neftyanik, 1959, Nr 2, p 22 (USSR)

ABSTRACT: The author refers to the article published in Neftyanik, 1957, Nr 12 on a new method of minimizing paraffin deposition in the production pipe strings of an oil well. He states that the ultrasonic method, described in the article, has been successfully applied in the No.7 oilfield of the Nadvornaneft' Administration, where an ultrasonic generator helped to keep oil well pipes clean. Instead of flushing the production pipe string with steam every third day, it was found possible to flush it once in 10 days thanks to the installation of a supersonic generator. At first the generator was tried out at the wellhead, but later it was sunk to the bottom-hole of a well 800 m deep. As a result the oil well operated for 9 days without being swabbed , and, when the shaft was inspected on the tenth day, it was found clean. At the next inspection, after five days, it was found that the walls of production pipes were coated with paraffin wax. Nevertheless, the advantage of using a supersonic generator for the purpose of keeping pipes clean is evident.

ASSOCIATION: Nefteпromysel Stanislavskoy oblast (Oilfield of the Stanislav Region)

Card 1/1

VORONETSKIY, M.K.; GNATYUK, A.M.; KACHMAR, Yu.D.; KOVALEVICH, V.M.; PETRASH, I.N.; CHEKALYUK, I.B.

Automated free piston. Mash. i neft. obor. no.5:24-26 '65.
(MIRA 18:6)

1. Neftepromyslovoye upravleniye "Dolinaneft", Dolina.

VORONETSKIY, S.P., kand. med. nauk.; LEUSENKO, N.M., kand. med. nauk.

Use of ergam in obstetrical practice. Akush. i gin. 34 no.6:97-99 N-D '58. (MIRA 12:1)

1. Iz kafedry akusherstva i ginekologii No.2 (nav. - dots. T.Ya. Kalinichenko) Kiyevskogo ordena Trudovogo Krasnogo Znameni meditsinskogo instituta imeni akad. A.A. Bogomol'tsa (dir. - dots. I.P. Alekseyenko).

(ERGOT ALKALOIDS, ther. use
ergotoxin prep. ergam in labor (Rus))
(LABOR
adjuvant ergotoxin prep. ergam (Rus))

LEUSENKO, N.M., kand.med.nauk; VORONETSKIY, S.P. [Voronets'kyi, S.P.], kand.med.nauk

Lemon as a contraceptive. Fed., akush. i gin. 20 no.1:59-60 '58. (MIRA 13:1)

1. Kafedra akusherstva i ginekologii No.2 (zav. - dots. T.Ya. Kalinichenko) Kiyevskogo ordena Trudovogo Krasnogo Znameni meditsinskogo instituta im. akad. A.A. Bogomol'tsa (direktor - dots. I.P. Alekseyenko).
(LEMON) (CONCEPTION--PREVENTION)

VORONETSKIY, S. P.

Voronetskiy, S. P. - "Acute yellow atrophy of the liver in pregnancy," Vracheb. delo, 1949, No. 2, columns 167-68

SO: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 14, 1949).

VORONETSKIY, V.,kapitan 3 ranga

Turbine operators. Voen.znan. 36 no.12:23-24 D'60.(MIRA 13:11)
(Russia--Navy) (Marine engineering)

VORONETSKIY, V., kapitan 3 ranga

Operators of radiometers on ships. Voen. znan. 38 no.3:12-13 Mr '62. (MIRA 15:2)

(Radiometer)

VORONEVICH, B.M.; KUBAREV, A.T.; NACHVAY, V.F.

Ultrasonic testing of 30KhGSNA steel over a pickled surface. Defektoskopiia no.5:84 '65. (MIRA 19:1)

1. Zlatoustovskiy metallurgicheskiy zavod i Chelyabinskiy politekhnicheskiy institut.

VORONEVSKAYA, V.Ya.

Crop rotations in Orel Province. Zemledelie 25 no.11:38-40 N '63. (MIRA 17:2)

1. Orlovskaya gosudarstvennaya sel'skokhozyaystvennaya opytnaya stantsiya.

S/032/62/028/005/002/009
B117/B101

18.1745

AUTHORS: Voronezhskaya, I. A., Mladentseva, O. I., Aksenova, A. V., and Gradoboyeva, R. A.

TITLE: Spectroscopic analysis of the magnesium alloy MЛ-11 (ML-11)

PERIODICAL: Zavodskaya laboratoriya, v. 28, no. 5, 1962, 557-558

TEXT: The rare earths (Ce, Nd, Pr, La) as well as Zn and Zr contained in the new heat-resistant magnesium alloy MЛ-11 (ML-11) were determined by spectrochemical analysis. This method, which is similar to that described by Sh. G. Melamed, S. M. Polyakov, M. G. Zemkova (Zavodskaya laboratoriya. XXVI, 5, 554 (1960)), is based on the use of synthetic powder samples of known composition. The rare earths are completely removed before the spectrographic determination begins. A photographic technique of spectroscopic analysis, based on the use of solid standards, was devised. The apparatus used, consisted of an ИСП-28 (ISP-28) spectrograph (slit width, 23 μ) and an ИГ-3 (IG-3) generator (burning time 20 sec, time of exposure 30 sec) for the determination of Zn, Zr, Ce, and La, and

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Spectroscopic analysis of the ... S/032/62/028/005/002/009
B117/B101

a ДФС-13 (DFS-13) high-dispersion apparatus (slit width, 15 μ) for Nd and Pr determination (burning time 20 sec, time of exposure, 2.5 min). The relative error of the analysis was ± 3-5%. The photographic method may facilitate the adoption of spectroscopic analysis by industry.

X

Card 2/2

VORONEZHSKAYA, I.A.; MLADENTSEVA, O.I.; AKSENOVA, A.V.; GRADOBOYEVA, R.A.

Spectral analysis of the ML-11 magnesium alloy. Zav.lab. 28 no.5:557-558 '62. (MIRA 15:6)

(Magnesium alloys--Spectra)

VORONEZHSKIY, V.I. [Voronezhs'kyi, V.I.], inzh.

T-70V and DT-20V tractors. Mekh. sil'. hosp. 12 no.10:27-28 O '61.
(MIRA 14:11)

(Crawler tractors)

VORONEZHSKIY, V.I.; KOBERNICHENKO, I.A.; CHURBANOVA, I.S., red.; SHCHEGLOVA, I.B., red.

[Mechanization of sugar beet growing and harvesting; a survey] Mekhanizatsiia vozdelyvaniia i uborki sakharnoi svekly; obzor. Moskva, 1962. 132 p. (Seroоa XI: Traktornoe i sel'skokhoziaistvennoe mashinostroenie)
(MIRA 17:4)

1. Moscow. TSentral'nyy institut nauchno-tekhnicheskoy informatsii po avtomatizatsii i mashinostroyeniyu.

VORONEZHSKIY, V.I. [Voronezhs'kyi, V.I.], inzh.

New tractors. Mekh. sil'. hosp. 11 no.10:26-27 O '60.
(MIRA 13:9)

(Tractors)

VORONEZHSKIY, V.I. [Voronezhs'kyi, V.I.], inzh.

Contribution of industry to the farm. Mekh. sil'. hosp. 12 no. 2:24-25 F '61. (MIRA 14:4)

(Tractors)

BONDARENKO, M.G. [Bondarenko, M.H.]; VORONEZHSKIY, V.I. [Voronezhs'kyi, V.I.]; KITAYTSEVA, Z.P.; KOVAL', M.M.; KOLODA, V.D.; KORSAKOV, O.O.; KREMINSKAYA, Ye.D. [Kremins'ka, H.D.]; KUKTA, O.M. [Kukta, H.M.], inzh.-mekhan.; PIVOVAR, S.G. [Pivovar, S.H.]; SOLOVEY, V.I.; OLEFIRENKO, G.A. [Olefirenko, H.A.], red.; GULENKO, O.I. [Hulenko, O.I.], tekhn.red.

[New agricultural machines] Novi sil's'kohospodars'ki mashyni. Kyiv, Derzh.vyd-vo sil's'kohospodars'koi lit-ry URSR, 1959. 231 p. (MIRA 13:4)

(Agricultural machinery)

VORONEZHSKIY, V.I. [Voronezhs'kyi, V.I.], inzh.

Arch-type tubeless tires. Mekh. sel'. hosp. 9 no.9:8-9 S '58.
(MIRA 11:10)

(Tires, Rubber)

VORONETSKIY, V.V., kand. tekhn. nauk; ZHERVE, G.K., inzh.

New standard: Electric machines; general technical requirements. Vest. elektroprom. 27 no.8:67-71 Ag '56. (MLRA 10:9)

1. Nauchno-issledovatel'skiy institut Ministerstva elektrotekhnicheskoy promyshlennosti (Voronetskiy). 2. Zavod "Elektrosila" imeni S.M. Kirova (for Zherve).
(Electric machinery)

GAVRILOV, F.F.; VORONEZHSKAYA, I.A.; FEDOROVSKAYA, M.I.

Spectral analysis of tungsten by the evaporation method. Trudy Ural. politekh.inst.no.121:95-101 '62. (MIRA 16:5)

(Tungsten--Spectra)

VORONEZHSKIY, V.I. [Voronezhs'kyi, V.I.], inzh.-mekhanik

Attachment to the "Belarus'" tractor for improving its ability to move in terrain. Mekh.sil'.hosp. 9 no.12:19-20 D '58. (MIRA 12:1)

(Tractors)

VORONEZHSKIY, V.I. [Voronez'kyi, V.I.]

New machinery for farm fields and livestock sections. Mekh. sil'. hosp. 12 no. 1:9-12 Ja '61. (MIRA 14:1)

1. Glavnyy spetsialist Gosudarstvennogo nauchno-tekhnicheskogo komiteta Soveta ministrov USSR.
(Agricultural machinery)

VORONEZHSKIY, V.I.

New machinery used in sugar beet growing. Trakt. i sel'khozmash. no.11:24-26 N '59. (MIRA 13:3)

1. Glavnyy spetsialist Gosudarstvennogo nauchno-tekhnicheskogo komiteta Soveta ministrov USSR.
(Sugar beets) (Agricultural machinery)

VORONEZHSKIY, V.I., [Voronez'kyi, V.I.]

Made on conveying units in 1960. Mekh.sil'.hosp. 11 no.1:3 Ja '60. (MIRA 13:4)

1. Glavnyy spetsialist Gosudarstvennogo nauchno-tekhnicheskogo komiteta pri Sovete Ministrov USSR.
(Agricultural machinery)

VORONEZ'KIY, V.I.

VORONEZ'KIY, V.I. [Voronez'kyi, V.I.]; KUKTA, G.M. [Kukta, H.M.].

New corn harvesting machinery. Mekh. sil'. hosp. 9 no.1:26-28 Ja '58. (MIRA 11:2)

1. Golovniy spetsialist Derzhavnogo naukovo-tekhnichnogo komitetu Rady Ministriv URSR (for Voronez'kiy). 2. Golovniy inzhener Ukrains'koi mashinoviprobuval'noi stantsii (for Kukta).

(Corn (Maize)--Harvesting)

VORONEZHSKIY, V.I. [Voronezhs'kyi, V.I.], inzh.

Movable self-feeder. Mekh. sil'. hosp. 12 no. 3:32 Mr '61.
(MIRA 14:4)

(Farm equipment)

TKACHENKO, Aleksey Yefimovich; KARPENKO, Sergey Aleksandrovich; VORONEZHSKIY, V.I., inzh., retsenzent; PILIPENKO, Yu.P., inzh., red.; GORNOSTAYPOL'SKAYA, M.S., tekhn. red.

[Machines for the over-all mechanization of field crop cultivation] Mashiny dlia kompleksnoi mekhanizatsii rabot v polevodstve. Moskva, Gos. nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1961. 128 p. (MIRA 15:2)

(Farm mechanization)

RYAGUZOV, Aleksandr Nikolayevich; RYABKO, Khariton Grigor'yevich; VORONEZH-SKIY, [illegible], inzhener, retsenzent; SOROKA, M.S., redaktor; RUDENSKIY, Ya.V., tekhnicheskiy redaktor

[Electric arc bimetallization of bearings] Elektrodugovaia bimetallizatsiia podshipnikov. Kiev, Gos.nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1957. 98 p. (MLRA 10:10)
(Bearings (Machinery)) (Metal spraying)

VORONEZHTSEV, S.L., inzh.

Separators in the circuits of electrical connections.
Energetika 8 no.3:23-26 Mr '60. (MIRA 13:6)
(Electric circuit brakers)

VORONEZHTSEV, V. A.

"Effect of Qualitatively Different Feed on the Development and Course of the Infection of Horses Suffering From Strangles." Cand Vet Sci, All-Union Experimental Veterinary Inst, Moscow, 1954. (RZhBiol, No 5, Mar 55)

SO: Sum. No. 670, 29 Sep 55--Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

VORONICH, M.V.; GOLOVINA, A.Ye.

Using the SP-2 phenol-formaldehyde resin in making organic plaster board. Stroi.mat. 5 no.3:26-27 Mr '59.
(MIRA 12:5)

1. Glavnyy inzhener Moskovskogo zavoda organicheskoy sukhoy shtukaturki (for Voronivh). Nachal'nik laboratorii Moskovskogo zavoda organicheskoy sukhoy shtukaturki (for Golovina).
(Plaster board) (Gums and resins, Synthetic)

VORONICH, T.M.; GOR'KOVOY, O.P.

Editor's mail box. Geol.rud.mestorozh. no.6:121-122 N-D '62. (MIRA 15:12)

(Ore deposits)

VORONICH, T.M.

Interrelationship of skarn and ore mineralization in some skarn-ore deposits in western Uzbekistan and the Chatkal-Kurama region. Uzb. geol. zhur. 7 no.3:35-40 '63. (MIRA 16:11)

1. Institut geologii imeni Kh.M. Abdullayeva AN UzSSR.

PETROV, N.P., kand. geol.-miner. nauk, otv. red.; VORONICH, T.M., kand. geol.-miner. nauk, red.; GOR'KOVOY, O.P., kand. geol-miner. nauk, red.; KENZIN, I.A., kand. geol.-miner. nauk, red.; MUSIN, R.A., kand. geol.-miner. nauk, red.; SPEKTOR, L.Ye., red.

[Geology and minerals of Uzbekistan] Geologiia i polezmye iskopaemye Uzbekistana. Tashkent, Nauka, 1964. 199 p. (MIRA 17:5)

1. Akademiya nauk Uzbekskoy SSR. Tashkent. Institut geologii i geofiziki.

GOR'KOVOY, .P.; VORONICH, T.M., kand. geol.-miner. nauk, otv. red.; MOSHCHENKO, Z.V., red.

[Dolerite dikes of the Kurama Range] Diabazovye daiki Kuraminskikh gor. Tashkent, Izd-vo "Nauka" Uzbekskoi SSR, 1964. 129 p. (MIRA 17:6)

ABDULLAYEV, Kh.M.; ISMAILOV, O.I.; VORONICH, T.M.; KHAMRABAYEV, I.Kh.

Seventy fifth birthday of B.N. Nasledov, the outstanding student of ore deposits in Central Asia. Uzb. geol. zhur. no.6:95-97 '60. (MIRA 14:1)

(Nasledov, Boris Nikolaevich, 1885-)
(Soviet Central Asia--Ore deposits)

BOBOV, V.; YANOVICH, R. (Leningrad); VAYNSHTEYN, L. (Khar'kov); KHUSAINOVA, Kh.; KOCHUROV, V.; SHTEREVERYA, G., gornyy inzhener-ekonomist; LYUBOMIRSKIY, A.; MALENKOV, V., normirovshchik (g. Noril'sk); VORONICH, V., normirovchik; POPOV, V.

From the editor's mail. Sots. trud 8 no.5:127-130 My '63. (MIRA 16:6)

1. Predsedatel' byuro ekonomicheskogo analiza Dushanbinskogo myasokonservnogo kombinata (for Khusainova). 2. Vladimirskiy zavod "Avtopribor" (for Kochurov). 3. Shakhta No. 39, Donetskiy Bassein (for Shtereverya). 4. Nachal'nik otdela TSentrinnoy krayevoy planovoy komissii (for Lyubomirskiy). 5. Zamestitel' nachal'nika Bereznikovskoy gorodskoy kontory svyazi (for Popov).

(Industrial management)
(Wage payment systems)

MATSOKINA-VORONICH, T.M., kand. geol.-miner. nauk, otv. red.; VORONICH, V.A., kand. geol.-miner. nauk, red.; KNAUF, V.I., kand. geol.-miner. nauk, red.; FEDORCHUK, V.P., doktor geol.-miner. nauk, red.; KALABINA, M.G., red.; NURATDINOVA, M.R., red.

[Problems of the methods of plotting the metallogenetic and prognostic maps of Central Asia; materials] Voprosy metodiki sostavleniia metallogenicheskikh i prognoznykh kart Srednei Azii; materialy. Tashkent, Nauka, 1964. 274 p. (MIRA 18:6)

1. Sredneaziatskoye soveshchaniye po metodike sostavleniya metallogenicheskikh i prognoznykh kart. 1st, 1962. 2. Institut geologii i geofiziki im. Kh.M.Abdullayeva AN Uzbekskoy SSR (for Matsokina-Voronich). 3. Glavnoye upravleniye geologii i okhrany nedr pri Sovete Ministrov Uzbekskoy SSR (for Kalabina).

VORONICH, V.A.

Existence of a transverse ore-bearing zone in the southern Tien Shan. Sov. geol. 7 no.6:116-120 Je '64 (MIRA 18:1)

1. Sredneaziatskiy nauchno-issledovatel'skiy institut geologii i mineral'nogo syr'ya.

VORONICH, V.A.

Statistics on the distribution of complex metal deposits in the Karamazar Mountains. Uzb.geol.zhur. no.2:56-61 '59.
(MIRA 12:8)

1. SAIGIMS.

(Karamazar Mountains--Ore deposits)

VORONICH, V.A.

Geological factors controlling ore deposition in the Chal-Atinskoye group complex ore deposits. Uch. zap. SAIGIMSa no.7:107-115 '62. (MIRA 17:2)

1. Sredneaziatskiy nauchno-issledovatel'skiy institut geologii i mineral'nogo syr'ya, Tashkent.

VORONICH, V.A., kand.geol.-mineralog.nauk (Tashkent)

Hermit minerals. Priroda 50 no.5:112-113 My '61. (MIRA 14:5)
(Iron ores) (Copper ores)

MATSOKINA, T.M.; VORONICH, V.A.

Conference on the methods of compiling metallogenic and prognostic maps. Uzb.geol.zhur. 7 no.1:47-48 '63. (MIRA 16:4)

1. Institut geologii AN UzSSR.
(Geology—Maps)

VORONICHEV, M.P., inzh.; IL'IN, A.I., inzh., kand.tekhn.nauk; KONYSHEV, I.N., inzh.

Swiss railroads. Zhel.dor.transp. 43 no.5:79-85 My '61.
(Switzerland--Railroads)

VORONICH, V.A.

ABDULLAYEV, Kh.M.; akademik; ADELUNG, A.S.; VORONICH, V.A.; GOR'KOVOY, O.P.; KALABINA, M.G.; MALAKHOV, A.A.; MATSOKINA, T.M.; MIRKHODZHAYEV, I.M.; RADZHABOV, F.Sh.; TUMASHEVSKAYA, E.S., red.izd-va; GOR'KOVAYA, Z.P., tekhn.red.

[Principal features of magmatism and metallogeny in the Chatkal-Kurama mountain ranges] Osnovnye cherty magmatizma i metallogenii Chatkalo-Kuraminskikh gor. Pod obshchei red. Kh.M.Abdullaeva. Tashkent, Izd-vo Akad.nauk Uzbekskoi SSR, 1958. 288 p. (MIRA 11:7)

1. Akademiya nauk Uzbekskoy SSR (for Abdullayev)
(Chatkal Mountain Range--Mineralogy)
(Kurama Mountain Range--Mineralogy)

VORONICH, V.A.

Nomogram of the relation of true and apparent dip angles of bedded rock. Razved.i okh.nedr 22 no.1:54-56 Ja '56. (MLRA 9:5)
(Geology, Structural)

VORONICHEV, M.P.; LIKHACHEV, V.G.

New stage in railroad cooperation among socialist countries.
Zhel. dor. transp. 40 no.6:46-50 Je '58. (MIRA 11:6)
(Railroads--Management)

AKIMOV, N.I.; VOLKOV, S.P.; KONOVALOVA, N.A.; OSINOVSKAYA, R.I.; PLISKO, Yu.Yu.; SKVEROV, M.N.; STEPANOV, L.A.; SHCHUKIN, V.Ya.; VORONICHEV, M.P., red.; TSARENKO, A.P., red.; VERINA, G.P., tekhn.red.

[International railroad transportation] Mezhdunarodnye zheleznodorozhnye soobshcheniia. Pod red. M.P.Voronicheva. Moskva, Gos. transp.zhel-dor.izd-vo, 1959. 242 p. (MIRA 13:2)
(Railroads)

VORONICHEV, M.P.; LIKHACHEV, V.G.

Further strengthening of cooperation among the railroads of socialist countries. Zhel. dor. transp. 43 no. 1:79-83 Ja '61. (MIRA 14:4)

1. Nachal'nik Upravleniya mezhdunarodnykh soobshcheniy Ministerstva putey soobshcheniya (for Voronichev). 2. Nachal'nik otdela Upravleniya mezhdunarodnykh soobshcheniy Ministerstva putey soobshcheniya (for Likhachev).
(Railroads—International cooperation)

MOROZOV, V.I.; VORONICHEV, N.M.; NAUDIN, Yu.V.; GARMAZA, V.A.; MEDVEDEV, G.I.; KAMENETSKIY, I.M.; IZOKH, V.V.; BARASHKOV, V.D.; EMPARAPULO, V.Kh.; RAYEVSKIY, N.P.; SHASHKOV, Yu.M.; GRISHIN, V.P.; SMYSLOV, I.I.; ROMANENKO, Yu.M.; SAKHAROV, B.B.

Innovations. Avtom. i prib. no.2:61-62 Ap-Je '65. (MIRA 18:7)

VORONICHEV, N. M.

USSR/Engineering - Machine Tools

Card : 1/1

Authors : Voronichev, N. M. and Bron, L. S.

Title : The automatization of production of components with complicated profiles.

Periodical : Stan. i Instr., Ed. 6, 7 - 14, June 54

Abstract : The Bureau of Design of the Ministry of Machine Tool and Instrument Industry, together with the "Stankokonstruktsya" factory, have designed two types of duplicate-milling machines, (single- and double coordinate) which permit fully-mechanized milling of components with complicated profiles. Description of machines. Illustrations; drawings; diagrams; graphs; tables.

Institution : ...

Submitted : ...

VORONICHEV, N. M.

USSR/Engineering - Machine tools

Card : 1/1

Authors : Voronichev, N. M., and Zakharov, V. A.

Title : Automatic revolving tables

Periodical : Stan. i Instr., Ed. 7, 5 - 9, July 1954

Abstract : General information is given on automatic revolving tables used on vertical boring mills and turning lathes. The main purpose of this article is, to familiarize the reader with the operation, function, and structure of revolving tables. Drawings, showing revolving tables with hydraulic and mechanical driven.

Institution : ....

Submitted : ....

VORONICHEV, N.M.

VORONICHEV, N.M.

Organizing the production of machine-tool units and automatic production lines at the S. Orzhonikidze Machine-Tool Plant. (MIRA 10:12)
Stan. i instr. 28 no.12:4 D '57.
(Machine-tool industry)

S/028/61/000/004/001/007
B104/B203

AUTHORS: Bron, L. S., Voronichev, N. M.

TITLE: Normalization of main parameters of machine sets, and their units

PERIODICAL: Standartizataiya, no. 4, 1961, 7-15

TEXT: Machine sets made in recent years by various firms, e.g., the stankostroitel'nyy zavod imeni S. Ordzhonikidze (Machine-building Works imeni S. Ordzhonikidze) and other enterprises of the Moskovskiy gorodskiy ekonomicheskiy rayon (Moscow Municipal Economic rayon), Ryazanskiy ekonomicheskiy rayon (Ryazan' Economic rayon), Tul'skiy ekonomicheskiy rayon (Tula Economic rayon), and Belorusskiy ekonomicheskiy rayon (Belorussia Economic rayon), had different designs and sizes although they had the same rated capacity. This involves great difficulties in the establishment of production lines, etc. Therefore, it will be necessary to set up unified machine-building standards containing the parameters of unified machine sets. In setting up these standards it should be considered that from time to time production lines have to be rearranged for different

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Normalization of main parameters of...

products. This asks for a reasonable establishment of junction measures for all parts. Also dimension and load series will have to be set up. In the first part of the present paper, the authors discuss typification and dimension series for power units. After detailed deliberations they find that the range of power transmission for power units of medium and large dimensions should lie within 1000 - 10000 kg-force. Two variants are considered for subdividing this range, one with five sizes (variant I) and one with six sizes (variant II). Table 1 gives the first variant of main characteristics for power units. The intermediate values of transmission forces were determined from the series R20/6 ($\varphi_1 = 1.78$); thus, it was necessary to establish the dimensions of power units according to the series $\varphi_2 = \sqrt{\varphi_1}$. In variant II, the transmission forces were determined from the series R20/4 ($\varphi = 1.56$), the dimensions from the series R10 ($\varphi = 1.25$). Subsequently, the authors thoroughly deal with the assembly of machine sets from normalized units. Some examples illustrate the assembly of machines from normalized automatic working units, from non-automatic working units, and from worktables. The authors discuss the proper dimensions of clamping plates and bolts permitting the inter-

Card 2/3

Normalization of main parameters of...

changeability of units. They consider the stability of machine sets, suitable building heights, as well as sets with high demands for accuracy of machining.

Основные характеристики силовых узлов Табл. 1

1) Габарит силового узла	2	3	4	5	6
2) Усилие подачи, *кгс*	1000	1800	3200	5000	10000
3) Условный диаметр сверления по стали в *мм* (только для силовых головок)	25	40	63	100	160
4) Номинальная мощность электродвигателя в *квт* (только для силовых головок)	2,2 (3)	4 (5,5)	7,5 (10)	13 (17)	22 (30)
5) Длина рабочего хода, *мм*	200				
	400	400			
		600	600	600	600
			800	800	
					1000

Table 1: Main characteristics of the power unit. Legend: 1) Size of the power unit; 2) power transmission, kg-force; 3) bore diameter through steel, mm; 4) rated power of the electric motor, kw; 5) operation length.

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