

1. DERBINA, K. A., GRISHCHENKOVA, Y.E.M.
2. USSR (600)
4. Cattle
7. Improving Kholmogory cattle Sov. zotekh. 7, No. 3, 1952  
Kholmogorskiy Gosudarstvennyy Plemennoy Rassadnik.
9. Monthly List of Russian Accessions. Library of Congress, June 1952.  
Unclassified.

DERBINA, K. A.

581 FANDEEV, B. V., DERBINA, K. A. i ROGAUSKAYA, N. A.  
Kholmogorskiy skot. Pod red. M. S. Blomkvist. M., Sevkhosgiz,  
1954. 78 g. s ill.; 1 l. kart. 20 sm. 20.000 ekz. 1 r. 5 k.  
-54-55225/ p 636.2.082 (47.21)

SO: Knizhnaya Letopis, Vol. 1, 1955

DERBINA, Vera <sup>V</sup>Evgen'evna, 1904-

The First Siberian textile industry: the Telminsk Factory. Commemorating the 200th anniversary of its founding, 1731-1931 Moskva, Gos. ekon, izd-vo, 1932. 143 p.

Textile manufacture - Siberia. 2. Glass - Manufacture - Siberia. I. Kostomarov, G., ed.

DERBINOVA, E.S.

Indicator micro-organisms and improvement of the bacteriological  
control in the production of ice cream. Khol.tekh. 42 no.2:45-50  
Mr-Ap '65. (MIRA 18:5)

1. Fabrika morezhenogo Moskovskogo khladokombinata No.8.

DERBINOVA, E.S., mikrobiolog

Improving the sanitary conditions in the production of ice  
cream. Khol.tekh. 40 no.5:45-47 S-0 '63. (MIRA 16:11)

1. Fabrika morozhenogo Moskovskogo khladokombinata No.8.

PRODAN, Ye.A.; PAVLYUCHENKO, M.M.; DERBINSKIY, I.A.

Figures of thermal decomposition on mercury oxide crystals.  
Dokl. AN BSSR 9 no.9:585-587 S '65. (MIRA 18:11)

1. Belorusskiy gosudarstvennyy universitet imeni Lenina.  
Submitted April 8, 1965.

1. A. V. DERBISHER, Eng.
2. USSH (600)
4. Bearings (Machinery)
7. Work practice of the technical council at the First State Bearing Plant.  
Podshipnik no. 12. 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

1. DERBISHER, A. V. , Eng.
2. USSR (600)
4. Machine-Shop Practice
7. Examination of scientific methods used in the setting up of machine tools for precision. Podshipnik no. 3 1953

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



DERBISHER, A.V., inzhener.

Socialist competition for time reduction in the production cycle. Pod-  
shipnik no.7:10-12 JI '53. (MLRA 6:8)  
(Efficiency, Industrial)

DERBISHER, A.V.

Adjusting machine tools for accuracy with the use of interchangeable equipment. Stan. instr. 24 no.10:3-8 0 '53.

(MIRA 6:11)

(Machine tools)

DERBISHER, A. V.

DERBISHER, A. V. — "Investigation of the Precision of Working on Semi-automatic lathes and Methods of Adjusting Them to Specifications." Min Higher Education USSR. Moscow Automotive Mechanics Inst. Moscow, 1955. (Dissertation for the Degree of Candidate in Technical Sciences)

No 1

SO: Khizhnaya Letopis', 1956, pp 102-122, 124

PHASE I BOOK EXPLOITATION

834

Derbisher, A.V.

Povysheniye proizvoditel'nosti tokarnykh poluavtomatov i avtomatov; po materialam soveshchaniya v LDNTP (Increasing the Productivity of Automatic and Semiautomatic Lathes; Data of the LDNTP Conference) v. 1. Leningrad, 1955. 12 p. (Series: Leningradskiy dom nauchno-tehnicheskoy propagandy. Informatsionno-tehnicheskoy listok, no. 4 /672/) 7,000 copies printed.

Sponsoring Agencies: Vsesoyuznoye obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znaniy, Leningradskiy dom nauchno-tehnicheskoy propagandy.

Ed.: Verzhbinskaya, I.I.; Tech. Ed.: Gvirtz, V.L.

PURPOSE: The booklet is intended for technicians and operators of automatic lathes.

Card 1/2

Increasing the Productivity of Automatic and Semiautomatic (Cont.)      834

COVERAGE: The booklet describes the ways by which a 20 percent increase in productivity was obtained and a 75 percent reduction of rejects, and a 20 percent saving in tools were effected at the automatic lathe department of the First State Bearing Plant imeni L.M. Kaganovich in Moscow. There are 6 Soviet references. No Table of Contents is given. The subjects discussed are the following:

Use of High-speed Cutting	1
Development of Machining Methods	8
Modernization of Machine Tools and Tooling	8
Improving Methods of Machine Setting for Given Workpiece Specifications	10
Automation of Equipment	13

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AVAILABLE: Library of Congress

Card 2/2

GO/jmr  
11-10-58

DERBISHER, A.V.; VINOGRADOV, G.S., inzh., red.; GVIRTS, V.L., tekhn.red.

[The shop works on an hourly schedule; practices of the  
L.M.Kaganovich First State Bearing Factory] TSekh rabotaet po  
chasovomu grafiku; opyt Pervogo podshipnikovogo zavoda imeni  
L.M.Kaganovicha. Leningrad, 1955. 15 p. (Leningradskii dom  
nauchno-tekhnicheskoi propagandy. Informatcionno-tekhnicheskii  
listok, no.18(686)) (MIRA 10:12)

(Bearing industry)

~~DERBISHER~~, Aleksandr Vladimirovich, kandidat tekhnicheskikh nauk;  
~~ISTANKINA~~, T.F., redaktor; FURMAN, G.V., tekhnicheskiy redaktor

[Experience in over-all automatization and mechanization of production]  
Opyt kompleksnoi avtomatizatsii i mekhanizatsii proizvodstva. Moskva,  
Izd-vo "Znanie," 1956. 31 p. (Vsesoiuznoe obshchestvo po raspro-  
straneniu politicheskikh i nauchnykh znani. Ser.4, no.20) (MLRA 9:8)  
(Automation)

Subject : USSR/Engineering AID P - 5035  
Card 1/1 Pub. 103 - 6/22  
Author : Derbisher, A. V.  
Title : ~~Admissibility of bluntness of hard-alloyed cutters~~  
Admissible bluntness of hard-alloyed cutters  
Periodical : Stan. i instr., 4, 23, Ap 1956  
Abstract : According to the Institute of the Bearing Industry, the actual length of service of a cutter is less than its estimated life. The author presents a new ruling as a criterion by which a worn-out cutter in automatic and semi-automatic machines can be replaced in time for sharpening.  
Institution : As above  
Submitted : No date



AID P - 5081

Subject : USSR/Engineering  
Card 1/2 Pub. 128 - 10/26  
Author : Derbisher, A. V., Kand. Tech. Sci.  
Title : ~~Automation of production at the First State Bearing Plant im. L. M. Kaganovich.~~  
Automation of production at the First State Bearing Plant im. L. M. Kaganovich.  
Periodical : Vest. mash., 5, 29-37, My 1956  
Abstract : A new automatic machine shop is operated in the First State Bearing Plant since January 1, 1956. It consists of two automatic lines producing 1.5 millions of roller and ball bearings yearly. The author presents detailed descriptions of the new and modernized automatic equipment, with names of its designers. The processes and operation of the automatic mass-production lines are discussed at length. The efficiency of the automation is demonstrated. 12 illustrations.

AID P - 5081

Vest. mash., 5, 29-37, My 1956

Card 2/2 Pub. 128 - 10/26

Institution : None

Submitted : No date

DERBISHER, A.V. kandidat tekhnicheskikh nauk,

Practical experience in using theoretical-probability calculations  
for high precision in industrial processes. Avt. 1 trakt. prom. no.9:  
1-5 S '56. (MIRA 9:11)

1. Pervyy gosudarstvennyy podshipnikovyy zavod.  
(Operations research)

DERBISHKR, A.V., kandidat tekhnicheskikh nauk.

Intrazhop transportation of elements. Mekh.trud.rab.10 no.11:39-  
40 N '56. (MIRA 10:1)  
(Conveying machinery) (Bearing industry)

DERBISHER, A.V.

Automatizing eccentric presses. Stan. i instr. 27 no.10:36-37  
0 '56. (MLBA 9:12)

(Power presses)

DERBISHER, A. V.

Increasing Labor Productivity in Machine Building (Voprosy povysheniya proivoditel'nosti truda v mashinostroenii) Gosudarstvennoye nauch-tekh. izdat. mashinostroitel'. literatury, Moscow, 1957. 511 p.  
(Table of Contents authors below)

This collection presents a comparative tech. and economic analysis of most effective methods and industrial processes for obtaining high labor productivity in machine building. Output may be stepped up by further standarization of machine tools, materials, and production methods; drawing on unused potentials. Covers all stages of planning and production as performed in modern plants of USSR, actual experience, and new methods are discussed.

DERBISHER, A. V., "Increasing Labor Productivity in Ball-Bearing Plants (experience of the First State Ball-bearing Plant)," p. 386.

*DERBISHER, A.V.*

DERBISHER, A.V., kand. tekhn. nauk.

Planning efficiency promotion work. Izobr. v SSSR 2 no.9:30-31  
S '57. (MIRA 10:10)

1. Glavnyy inzh. i Gosudarstvennogo podshipnikovogo zavoda.  
(Efficiency, Industrial)  
(Suggestion systems)

DERBISHER, A.V., kandidat tekhnicheskikh nauk.

Automatization and mechanization of production processes  
in the bearing industry. Mashinostroitel' no.4:7-12 Ap '57.  
(MLRA 10:5)

1. Glavnyy inzhener pervogo gosudarstvennogo podshipnikogo zavoda  
imeni L.M. Kaganovicha.

(Bearing industry)  
(Automatic control)



DERBYSHEV, A.V.

VLASOV, S.N., laureat Leninskoy premii; ~~DERBYSHEV, A.V.~~, kandidat tekhnicheskikh nauk; RADAYEV, M.V., kandidat tekhnicheskikh nauk.

Take into consideration the characteristics of industrial production in automatizing the course of production. Mashinostroitel' no.7:17-21 J1 '57. (MLRA 10:8)  
(Automatic control) (Assembly-line methods)

DERBISHER, A.V., kand.tekhn.nauk

Experience in over-all mechanization and automatization of  
industrial production. Avt.i trakt.prom. no.9:1-6 S '57.  
(MIRA 10:11)

1. Pervyy gosudarstvennyy podshipnikovyiy zavod.  
(Automatic control)

[V]  
DERBISHER, A.; NAZAROV, M.

Automatized factory of the future. Sov.prefsoliuzy 6 no.17:  
9-11 D '58. (MIRA 12:1)

1. Glavnyy inzh. 1-go Gosudarstvennogo podshipnikovogo zavoda  
(for Derbisher). 2. Predsedatel' zavodskogo komiteta profsoyuza  
1-go Gosudarstvennogo podshipnikovogo zavoda (for Nazarov).  
(Moscow--Bearing industry--Automation)

SOV/122-58-11-5/18

AUTHOR: Derbisher, A.V., Candidate of Technical Sciences,  
Chief Engineer of 1 GPZ

TITLE: Experience with Overall Automation and Mechanisation  
of Production at the 1 GPZ (Opyt kompleksnoy  
avtomatizatsii i mekhanizatsii proizvodstva na 1 GPZ)

PERIODICAL: Vestnik Mashinostroyeniya, 1958, Nr 11, pp 25-30 (USSR)

ABSTRACT: During the period 1951-1957, seven automatic production  
lines were designed and erected at the plant, using  
existing equipment. 950 machine tools were modernised,  
560 were converted to automatic operation, 550 new  
units of equipment were made, 200 inspection and  
sorting automatic machines were constructed,  
750 instruments for inspection in situ and 800 units  
of automatic materials handling were introduced. The  
first fully automatic workshop for the manufacture of  
bearings in the world is operating at the plant.  
The output has been raised two-fold and the productivity  
of labour almost two-fold, without increasing the floor  
area or purchasing equipment from outside. The plant  
changed over to seven-hour shifts early in 1958 without  
drop in output. The development of automation, making

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SOV/122-58-11-5/18

Experience with Overall Automation and Mechanisation of Production at the 1 GPZ

use of much obsolescent equipment still in service, consists of the introduction of automatic operators which accomplish fully automatic working cycles. Automatic loading devices of the hopper or magazine type ensuring equally full automation and the development of automatic and mechanised feeders for grinding and forging machines. In collaboration with the Moscow Power Institute (Moscowskiy energeticheskiy institut) an automatic electro-mechanical servo-feed device has been evolved for internal and race groove grinders. The system ensures removal of the machining allowance in accordance with a set programme maintaining at the same time the highest rate of metal removal and the absence of burns. The mechanical feed devices of U-10 type, designed by the Leningrad Machine Tool Works (Leningradskiy Stanko-zavod) "Imeni Il'jshvili" were made and erected at the plant. Prototypes of mechanical feed revolving tables were produced for crank presses to stamp cages and race rings. In collaboration with

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SOV/i22-58-11-5/18

Experience with Overall Automation and Mechanisation of Production at the 1 GPZ

the Moscow Technical University (MVTU) "Imeni Bauman" and the L'vov Polytechnic Institute (L'vovskiy Politekhnicheskii Institut), several experimental specimens of vibrating type automatic loaders were made, which permit an automatic feed of arbitrarily shaped components from a heap. A system of typical automatic production lines of universal application has been created. The reconstruction of the largest roller bearing shop is in progress. Ten automatic production lines are envisaged, of which four are in service. Apart from the integrated automatic production lines, about 20 automated and mechanised conveyor belt production lines are in operation. In the forging shop, 6 semi-automatic production lines operate in the blank rolling section. The line consists of a high frequency inductor, a feeding chute, a semi-automatic rolling machine and an inspection and counting machine. By using an automatic loader of the vibration type and an automatic operator for the rolling machine, total automation will be achieved. In the self-aligning

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SOV/122-58-11-5/18

Experience with Overall Automation and Mechanisation of Production  
at the 1 GPZ

bearing shop, an automatic line for the assembly, inspection, cleaning, preservation and packing operations is being set to work. The automation of inspection proceeds along the lines of automatic inspection machines with sorting by tolerances and the creation of inspection in situ. The inspection and sorting of balls and rollers are fully automatic. Automatic machines for the inspection of the eccentricity and radial clearance of bearings have been made. Machine tools are produced domestically at the rate of 100 per annum. At the end of 1957, 10 centreless internal grinders, type 6S104, and early in 1958, 10 automatic machines of type ZhN-52 were made. The latter constitute the most modern race grinders for ball bearings, featuring servo-feed devices. A small rolling mill (three-high 450) designed by the engineers Vasyukov, M.I., and Klyukvin, V.M. has been

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SOV/122-58-11-5/18.

Experience with Overall Automation and Mechanisation of Production  
at the 1 GPZ

made. Bar stock remnants of 70-120 mm diameter and  
rods of 33-45 mm are rolled, achieving great economy  
of metal and costs. There are 6 photographs.

Card 5/5



DERBISHER, A.V.  
25(5) P.2

PHASE I. BOOK EXPLOITATION

SOV/2703

Nauchno-tekhnicheskoye obshchestvo mashinostroitel'noy promyshlennosti.  
Kiyevskoye oblastnoye pravleniye

Mekhanizatsiya i avtomatizatsiya v mashinostroyeni; [sbornik statey] (Mechanization and Automation in Machine Manufacturing; Collection of Articles)  
Moscow, Mashgiz, 1959. 286 p. 8,000 copies printed.

Sponsoring Agency: Nauchno-tekhnicheskoye obshchestvo priborostroitel'noy promyshlennosti. Ukrainskoye respublikanskoye pravleniye.

Ed. of Publishing House: M.S. Soroka; Chief Ed. (Southern Division, Mashgiz): V.K. Serdyuk, Engineer; Editorial Board: M.M. Gul'ko, S.Sh. Zaslavskiy, A.Ya. Lopata, N.M. Lych, M.L. Orlikov, I.D. Faynerman, Ye.M. Khaymovich (Resp. Ed.), and S.I. Kharagorgiyev.

PURPOSE: This book is intended for engineering and technical personnel in machine and instrument-manufacturing plants and scientific research institutes.

COVERAGE: This book contains reports made by workers of machine and instrument-

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SOV/2703

Mechanization and (Cont.)

manufacturing plants, scientific research institutes, and educational institutions at the 2nd Kiyev Scientific and Technical Conference devoted to problems of mechanization and automation of production processes. The Conference was sponsored by the Kiyev Oblast Administration of the NTO Mashprom (Scientific and Technical Division of the Machine-Manufacturing Industry) and the Ukrainian Republic Administration of the NTO Priboroprom (Scientific and Technical Division of the Instrument Manufacturing Industry). These reports describe current problems encountered in automation of equipment, technological and control operations, and progressive work practices in manufacturing machines and instruments. I.I. Greben', S.M. Zamanskiy, A.G. Ivakhnenko, V.L. Mesezhnikov, M.G. Mosenskis, and A.M. Farber participated in preparing the book. There are no references.

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Mechanization and (Cont.)

SOV/2703

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Mechanization and (Cont.)

SOV/2703

Automation of the Timing Process and ~~Unused~~ Productive Capacities of  
Technologically Closed Sectors (B.A. Babich)

276

AVAILABLE: Library of Congress

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JG/jb  
1-5-60

DERBISHER, A.V.

PLATE I BOOK SHIPMENTS 807/2718

Sovremennye sostoyaniya i napravleniya razvitiya tekhnicheskikh mashinostroyeniya i priborostroyeniya (Present State of the Development of Processes in the Machine and Instrument Industries and Trends for Development) Moscow, Voenflotizdat, 1960. 563 p. 5,000 copies printed.

24.1. Analizy i kharakteristiki Gavitlov, Doctor of Technical Sciences, Professor; Nauchnyy i spetsialnyy literaturny nauchnoy i inzhenernoy konstruktsionnoy (Scientific and Special Literature on Machine Building and Instrument Construction) Moscow, Mashinostroyeniye, 1960. 212 p. 2,000 copies printed.

PRIME: This book is intended for technical and scientific personnel in the machine and instrument industries and for students and teachers of schools of higher education.

CONTENTS: The book deals with present theory and practice in the manufacturing processes of the machine and instrument industries and includes information on trends for development. The physical nature of the processes and their technical means for their realization are considered. Particular attention is given to new and progressive processing (superplastic machining, electric machining, cold chiseling, precision casting, precision pressing, new methods of welding, etc.). The book consists of papers presented at the All-Union Card 7/11

Scientific-Industrial Conference on "Advanced Machine and Instrument Manufacturing Processes," held in 1958. The papers have been revised in the light of recent developments in the field. A chapter has been devoted to the automation and mechanization of the industry. Soviet and non-Soviet references accompany some of the chapters.

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Foreword

Introduction [A.V. Gavrilov, Doctor of Technical Sciences, Professor]

PART I. THEORY AND PRACTICE IN MANUFACTURING PROCESSES OF THE MACHINE AND INSTRUMENT INDUSTRIES

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Card 10/11



25(5)

PHASE I BOOK EXPLOITATION

SOV/1904

Derbisher, Aleksandr Vladimirovich, Chief Engineer (1st State Bearing Plant),  
Candidate of Technical Sciences

Opyt vnedreniya novoy tekhniki na 1-m GPZ (Experimenting With New Techniques  
at the 1st State Bearing Plant) Moscow, Izd-vo "Znaniye," 1959. 31 p.  
(Series: Vsesoyuznoye obshchestvo po rasprostraneniyu politicheskikh i  
nauchnykh znaniy. Seriya IV, 1959, no. 1)

Sponsoring Agency: Vsesoyuznoye obshchestvo po rasprostraneniyu politicheskikh  
i nauchnykh znaniy.

Ed.: T. F. Islankina; Tech. Ed.: L. Ye. Atroshenko.

PURPOSE: This booklet is intended for the general reader.

COVERAGE: The booklet describes the latest engineering achievements of the  
First State Bearing Plant located in Moscow. Among attainments discussed  
are the extent of automatization of turning, loading, and feeding operation,  
the degree of automaticity of production lines, and the methods of process  
control. During the 1951-57 period, the plant placed in operation seven

Card 1/3

Experimenting With New (Cont.)

SOV/1904

automatic and twenty mechanized conveyer lines, modernized 950 machine tools, and equipped 560 machine tools with automatic devices. No personalities are mentioned. There are no references.

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AVAILABLE: Library of Congress		

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JG/lrb  
8-11-59

SOV/107-59-1-7/51

AUTHOR: Derbisher, A., Chief Engineer, Candidate of Technical Sciences

TITLE: Radio Engineering and Electronics in the Complex Automation of the Production of Bearings (Radiotekhnika i elektronika v kompleksnoy avtomatizatsii proizvodstva podshipnikov)

PERIODICAL: Radio, 1959, Nr 1, pp 8-10 (USSR)

ABSTRACT: The author describes the progress of automation and mechanization of production processes in the First State Bearing Plant. During recent years, a calculation station was founded and equipped with a number of computing and analyzing machines, including T-5 tabulators and computing perforators. Every month, the station handles up to 700,000 perforated cards and performs about 11 million calculations and adding operations. The electronic computers will be used for industrial calculations and planning. At present, the plant is cooperating with the Nauchno-issledovatel'skiy institut schetnogo mashinostroyeniya (Scientific-Research Institute of Computing-Machinery Engineering) to determine the operational characteristics of such computers. The power economy of this plant consists of an electric power system with

Card 1/3

SOV/107-59-1-7/51

Radio Engineering and Electronics in the Complex Automation of the Production of Bearings

several substations, a compressed-air system with a number of compressor stations, and steam and hot-water systems. The control of all these systems has been centralized, thus making possible the remote control of more than 300 mechanisms, and the performing of some 200 functions from a central control point. Photo-electronic devices have been applied for testing the balls of bearings. Another device for testing rollers, based on the eddy-current method, is being tried out. The installation of an ultrasonic unit for washing parts of bearings is nearing completion. Experiments are also being conducted to apply ultrasonic defectoscopy for checking bearing elements. It is intended to introduce full automation in the large-series and mass production of bearings during the years 1959 - 1965; and thus increase the production capacity of this plant by 1.5 times. There are 2 photos.

Card 2/3

SCV/107-59-1-7/51  
Radio Engineering and Electronics in the Complex Automation of the Production  
of Bearings

ASSOCIATION: Pervyy gosudarstvennyy podshipnikovyy zavod (The First State  
Bearing Plant).

Card 3/3

DERBISHER, A. V.

PHASE I BOOK EXPLOITATION	SOV/5291
Soveshchaniye po kompleksnoy mekhanizatsii i avtomatizatsii obshchego legicheskikh protessov v mashinostroyeni. 2d, Moscow, 1956	
Avtomatizatsiya mashinostroyitel'nykh protessov. t. III: Obrabotka rezaniyem i obrabotke voprosy avtomatizatsii (Automation of Machine-Building Processes. Iss. 3: Metal Cutting and General Automation Problems) Moscow, Izd-vo AN SSSR, 1960. 296 p. (Series: Its: Trudy, t. 3) 4,700 copies printed.	
Sponsoring Agency: Akademiya nauk SSSR. Institut mashinovedeniya. Komissiya po tekhnologii mashinostroyeniya.	
Resp. Ed.: V. I. Dikushin, Academician; Ed. of Publishing House: V. A. Kotov; Tech. Ed.: I. P. Kur'min.	
PURPOSE: This collection of articles is intended for technical personnel concerned with the automation of the machine industry.	
COVERAGE: This is Volume III of the transactions of the Second Conference on the Full Mechanization and Automation of Manufacturing Processes in the Machine Industry, held September 25-29, 1956. The transactions have been published in three volumes. Volume I deals with the hot pressworking of metals, and Volume II, with the station and control of machines. The present volume deals with the automation of metal machining and work-hardening, and with general problems encountered in automation. The transactions on the automation of metal spinning processes were published under the supervision of S. Dem'yanok and A. M. Karatygin, and those on the automation of hardening processes, under the supervision of Z. A. Satal' and M. O. Yekobson. No personalities are mentioned. There are no references.	
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BRUSILOVSKIY, D.A.; BULGAKOV, L.N.; GENIS, B.M.; KVARTIN, L.M.;  
KRASOVSKIY, Ye.S.; MIKHAYLOV, D.I.; NATOCHANNYY, A.S.; NIKOL'SKIY,  
V.N.; POPOV, M.P.; SIGODZINSKIY, A.A.; SKOMOROSHKIN, A.F.;  
CHASOVNIKOV, G.V.; DERBISHER, A.V., kand. ekon. nauk, red.;  
DULKIN, N.A., spets. red.; BONDAROVSKAYA, G.V., red.; TORSHINA,  
Ye.A., tekhn. red.

[Overall automation and modernization of equipment and production  
processes at the First State Bearing Plant] Kompleksnaia avtoma-  
tizatsiia i modernizatsiia oborudovaniia i protsessov proizvodstva  
na Pervom gosudarstvennom podshipnikovom zavode. Moskva, TSentr.  
biuro tekhn. informatsii, 1959. 84 p. (MIRA 15:1)

1. Russia (1917- R.S.F.S.R.) Moskovskiy gorodskoy ekonomicheskii  
administrativnyy rayon. Sovet narodnogo khozayastva.  
(Moscow--Bearing industry) (Automation)



DERBISHER, A.V.

GAVRILOV, A.N., prof., doktor tekhn.nauk; DEM'YANYUK, F.S., prof., doktor tekhn.nauk; MITROFANOV, S.P., kand.tekhn.nauk; KORSAKOV, V.S., prof., doktor tekhn.nauk; IVANOV, D.P., doktor tekhn.nauk; STO-ROZHEV, M.V., kand.tekhn.nauk; MALOV, A.N., kand.tekhn.nauk; KUDRYAVTSEV, I.V., prof., doktor tekhn.nauk; SHNEYDER, Yu.G., kand.tekhn.nauk; SHUKHOV, Yu.V., dotsent; KAZAKOV, N.F., kand.tekhn.nauk; ZOLOTYKH, B.N., kand.tekhn.nauk; ROZENBERG, L.D., prof., doktor tekhn.nauk; YAKHIMOVICH, D.Ya., inzh.; NIKOLAYEV, G.A., prof., doktor tekhn.nauk; VLADZIYEVSKIY, A.P., doktor tekhn.nauk; SHAUMYAN, G.A., prof., doktor tekhn.nauk; KOSEKIN, L.N., kand.tekhn.nauk; BOBROV, V.P., kand.tekhn.nauk; NOVIKOV, M.P., kand.tekhn.nauk; VIKHMAN, V.S., kand.tekhn.nauk; DERBISHER, A.V., kand.tekhn.nauk; KLIMENKO, K.I., prof., doktor ekonom.nauk; VYATKIN, A.Ye., inzh.; SATEL', E.A., prof., doktor tekhn.nauk; POPANOV, I.G., inzh.; MATVEYENKO, V.V., inzh.; KOCHETOVA, G.F., inzh., red.izd-va; EL'KIND, V.D., tekhn.red.; TIKHANOV, A.Ya., tekhn.red.

[Present status and trends of future development of technological processes in the manufacture of machinery and instruments] Sovremennoe sostoyanie i napravleniya razvitiya tekhnologii mashinostroeniya i priborostroeniya. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 563 p. (MIRA 13:7)

(Machinery industry--Technological innovations)

(Instrument manufacture--Technological innovations) (Automation)

DERBISHER, A.V.

Over-all mechanization and automation of production at the First  
State Bearing Plant. Nauch.trudy MIEI no.18:91-101 '61.  
(MIRA 15:2)

(Moscow--Bearing industry) (Automation)

CA DIER DUSMA, G.V.

6

Complex compounds of platinum with diallylamine.  
 A. M. Rubinshteln and G. V. Derbishin, *Doklady Akad. Nauk S.S.S.R.*, 74, 281-283 (1950). Reaction of 2 moles  $(\text{CH}_2=\text{CHCl})_2\text{NH}$  (= D) on 1 mole  $(\text{NH}_4)_2\text{PtCl}_6$  produced first a dark-yellow ppt. (I), then, more slowly, a light-yellow ppt. By appropriate timing of the reaction, the 2 ppts. can be sep'd. Analysis gives for both the same compn.  $\text{PtDCl}_2$ . The yield of I is not less than 87.6% and may attain 72%. Despite their identical compn., I and II show marked differences; I forms round isotropic grains, with a refractive index  $n = 1.68$ , and is insol. in  $\text{H}_2\text{O}$ ; II has  $n = 1.68$ , and its soly. in  $\text{H}_2\text{O}$  is 0.040 g./100 g. soln. at 25°. Proof that II is actually a dimer, was obtained by the reaction  $\text{PtDCl}_2 + \text{D} = \text{Pt}_2\text{D}_2\text{Cl}_4$ ; the product partially was extd. with  $\text{H}_2\text{O}$ , giving a light-brown soln. which reacted according to  $\text{Pt}_2\text{D}_2\text{Cl}_4 + (\text{NH}_4)_2\text{PtCl}_6 = 2 \text{NH}_4\text{Cl} + [\text{Pt}_2\text{D}_2][\text{PtCl}_6]$  which was shown to be identical with II by its soly. Consequently, D occupies only 2 coordination places, forming a cycle. Treatment of I with a small amt. of  $\text{NH}_4\text{OH}$  and heating at 100° gives a dark-brown soln., which, on evapn. at not over 50°, gives a 92% yield of a dark-brown salt, analyzing  $[\text{Pt}(\text{NH}_4)_2\text{D}]\text{Cl}_2$ , and reacting with  $(\text{NH}_4)_2\text{PtCl}_6$  to give gray-green  $[\text{Pt}(\text{NH}_4)_2\text{D}][\text{PtCl}_6]$ ; the same salt can also be obtained by the action of  $(\text{NH}_4)_2\text{PtCl}_6$  on a neutralized soln. of I in  $\text{NH}_4\text{OH}$ . The dimer II dissolves in  $\text{NH}_4\text{OH}$  and the soln. ppts. the same  $[\text{Pt}(\text{NH}_4)_2\text{D}]\text{Cl}_2$ . Soln. of I in  $\text{C}_2\text{H}_5\text{N}$  (py) gives a light-brown soln., which, on evapn. at not above 50° ppts. a light-orange salt  $[\text{Pt}(\text{py})_2\text{D}]\text{Cl}_2$ , slightly sol. in  $\text{H}_2\text{O}$  with a yellow color, and giving with  $(\text{NH}_4)_2\text{PtCl}_6$  a pink salt contg. 49.44% Pt. The same salt is obtained if I is dissolved in py, the soln. neutralized with HCl, filtered, and treated with  $(\text{NH}_4)_2\text{PtCl}_6$ ; analysis gives the compn.  $[\text{Pt}(\text{py})_2\text{D}][\text{PtCl}_6]$ . N. Thon

1951

DEBRISHER, G. V.

Complex compounds of platinum with diallylamine. A. M. Rubinshtein and G. V. Debrisher. *Izv. Akad. Nauk S.S.S.R. Khim. Ser.* 1951, No. 10, 26-28 (1951); *J. U.S.S.R. Chem. Abstr.* 47, 8571i. Platinum diallylamine dichloride was produced by treating  $(NH_4)_2PtCl_6$  with diallylamine (D).  $NH_3$  could be introduced into the internal sphere of this compound,  $[PtDCl_2]$ , with no displacement of the diallylamine, forming  $[PtD(NH_3)Cl_2]$ . This reacts with  $(NH_4)_2PtCl_6$  in aq. soln. to form  $[PtD(NH_3)_2][PtCl_6]$ . Similarly pyridine can be introduced into the inner sphere. Boiling  $[PtDCl_2]$  with concd. HCl produced a closed diallylamine ring with the formation of  $H[PtDCl_2]$ . J. R. Behrman.

RUBINSHTEYN, A.M.; DERBISHER, G.V.

Complex compounds of platinum with diallyl amine. Report no.2.  
Izv.Sekt.plat.i blag.met. no.27:99-105 '52. (MLRA 7:5)  
(Platinum organic compounds) (Amines)

RUBINSHEYN, A.M.; DERNISHER, G.V.

Some reactions of inner-sphere substitution in complex compounds  
of platinum with diallylamine. Doklady Akad. Nauk S.S.S.R. 86.  
961-4 '52. (MIRA 5:11)  
(CA 47 no.17:8571 '53)

Complex compounds of platinum and dichlorine  
A. K. Pribludny and G. V. Derbuzh, *Izv. Akad.  
Nauk S.S.S.R., Div. Chem. Sci.* 1951, 209-10 (English  
Acad. Sci. U.S.S.R., *Div. Chem. Sci.* 1951, 209-10 (English  
translation).—In a manner similar to that of the preceding  
abstr. for  $\text{NH}_3$  at  $1 \text{ C}_2\text{H}_4$ ,  $\text{CS}(\text{NH}_2)_2$  can be introduced to  
form  $[\text{Pt}(\text{CS}(\text{NH}_2)_2)_2\text{Cl}_2]$ .  $(\text{NH}_4)_2\text{PtCl}_6$  reacts in acid  
soln. with dichlorine to give  $\text{HPtCl}_4$ , isomeric with the  
 $\text{H}[\text{PtCl}_4]$  of the preceding abstr. J. W. Lowenberg, Jr.

DERBISHA, G. V.

"Complex Compounds of Divalent Platinum With Diallylamines." Cand Chem Sci, Inst of General and Inorganic Chemistry, Acad Sci, USSR, Moscow, 1955. (KL, No 13, Mar 55)

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



RUEINSHTEYN, A.M. [deceased]; DERBISHER, G.V.

Certain problems of cyclization in complex compounds. Izv.Sekt.  
plat.i blag.met. no.31:120-144 '55. (MIRA 9:5)  
(Compounds, Complex)

S/078/60/005/007/019/043/XX  
H004/B060

AUTHOR: Derbisher, G. V.

TITLE: Interaction of Selenous Acid and Potassium Selenite With  
Potassium Chloroplatinite and Potassium Chloroplatinate

PERIODICAL: Zhurnal neorganicheskoy khimii, 1960, Vol. 5, No. 7,  
pp. 1441 - 1444

TEXT: The author gives the following results of his study of the reaction of  $H_2SeO_3$  and  $K_2SeO_3$  with  $K_2PtCl_4$  and  $K_2PtCl_6$ . 1)  $H_2SeO_3$  has an oxidizing action upon  $KPtCl_4$ . Chloroplatinite ion  $PtCl_4^{2-}$  is converted into chloroplatinate ion  $PtCl_6^{2-}$ . No complex compounds are formed. 2)  $H_2SeO_3$  forms no complex compounds with  $K_2PtCl_6$  either. However, an addition of  $H_2SeO_3$  has an accelerating effect upon the dissolution of  $K_2PtCl_6$ . Only unaltered  $K_2PtCl_6$  was, however, obtained after boiling down. 3) A  $K_2SeO_3$  solution acidified with HCl oxidizes  $K_2PtCl_4$  to  $K_2PtCl_6$ . 4) In neutral solution,  
Card 1/2

Interaction of Selenous Acid and Potassium  
Selenite With Potassium Chloroplatinite and  
Potassium Chloroplatinate

S/078/60/005/007/019/043/XX  
B004/B060

$K_2SeO_3$  is partially reduced by  $K_2PtCl_4$ , and metallic platinum is separated in the process. 5) The author was able to obtain pure anhydrous  $K_2Pt(OH)_6$  in a 60% yield from a 5 N alkaline solution. 6) Compound  $K_3[Pt(SeO_3)_2(OH)_3H_2O] \cdot 2H_2O$  is formed on an excess of  $K_2SeO_3$  (5 moles to 1 mole of  $K_2PtCl_6$ ). This compound reacts with  $BaCl_2$  to form  $Ba_3[Pt(SeO_3)_2(OH)_3H_2O]_2$ . The selenite group, thus, enters the inner sphere, and displaces the chlorine atom to form a complex selenite hydroxo compound. 7) One selenite group of this compound readily separates on acidification to form  $H[PtSeO_3(OH)_3H_2O]$ . In this compound, the selenite group has a cyclic bond to platinum, and takes two coordination places. An addition of KOH to the solution of this acid produced  $K_2Pt(OH)_6$ , not its potassium salt. The author mentions a paper by V. F. Toropov. There are 8 references: 4 Soviet, 1 British, 1 French, 1 German, and 1 Indian.

SUBMITTED: March 12, 1959

Card 2/2

BABAYEVA, A.V.; DERBISHER, G.V.

Reactions of thiuram with some complex compounds of platinum  
and palladium. Zhur.neorg.khim. 7 no.12:2689-2692 D '62.

(MIRA 16:2)

(Thiuram disulfide) (Platinum compounds) (Palladium compounds)

AVTOKRATOVA, T.D.; ANDRIANOVA, O.N.; BABAYEVA, A.V.; BELOVA, V.I.;  
GOLOVNYA, V.A.; ~~DERBISHER, G.V.~~; MAYOROVA, A.G.; MURAVEYSKAYA,  
G.S.; NAZAROVA, L.A.; NOVOZHENYUK, Z.M.; ORLOVA, V.S.; USHAKOVA,  
N.I.; FEDOROV, I.A.; FILIMONOVA, V.N.; SHENDERETSKAYA, Ye.V.;  
SHUBOCHKINA, Ye.F.; KHANANOVA, E.Ya.; CHERNYAYEV, I.I., akademik,  
otv. red.

[Synthesis of complex compounds of platinum group metals; a  
handbook] Sintez kompleksnykh soedinenii metallov platinovoi  
gruppy; spravochnik. Moskva, Izd-vo "Nauka," 1964. 338 p.  
(MIRA 17:5)

1. Akademiya nauk SSSR. Institut obshchey i neorganicheskoy  
khimii. 2. Institut obshchey i neorganicheskoy khimii AN SSSR  
(for all except Chernyayev).

L 36559-65 EWP(m)/EFP(c)/EPP/EWP(j)/T/WA(c) Pc-4/Pr-4/Pe-1 RPL WW/RM  
ACCESSION NR: AP5002809 S/0078/85/010/001/0296/0298

AUTHOR: Babayeva, A. V.; Derbisher, G. V.

TITLE: Reaction of phosphonitrile chloride trimer with thiourea B

SOURCE: Zhurnal neorganicheskoy khimii, v. 10, no. 1, 1965, 296-298

TOPIC TAGS: phosphonitrile chloride thiourea, reaction, thiocarbamide derivative, triphosphonitriletrithiocarbamide, synthesis, property, solubility

ABSTRACT: The reaction of 1 mole of phosphonitrile chloride trimer with 3 moles of thiourea gave a new derivative: triphosphonitriletrithiocarbamide (I)  $P_3N_3[(NH)_2CS_3] \cdot 3HCl$ . I was a hygroscopic viscous yellow-green material from which gas evolution started on heating to 100C. At 150C it hardened, and no apparent change occurred thereafter on heating to 200C. It was soluble in water, acids, alkali and ammonia. Preliminary reactions with aqueous solutions of complex Pt compounds gave addition products which are to be investigated later. Orig. art. has: no graphics

Card 1/2

L 36659-65

ACCESSION NR: AP5002809

ASSOCIATION: Institut obshchey i neorganicheskoy khimii im. M. S. Kurnakova  
Akademii nauk SSSR (Institute of General and Inorganic Chemistry, Academy of  
Sciences SSSR)

SUBMITTED: 20Arp64

ENCL: 00

SUB CODE: MM

NR REF SOV: 002

OTHER: 000

Card 2/2

DERBISHER, G.V.; BABAYEVA, A.V.

Reaction of phosphonitrile chloride and its derivatives with  
platinum complexes. Zhur. neorg. khim. 10 no.9:2194-2196 S  
'65. (MIRA 18:10)



BABAYEVA, A.V.; DERBISHER, G.V.

Reaction of the trimeric phosphonitrile chloride with thiourea.  
Zhur. neorg. khim. 10 no.1:296-298 Ja '65. (MIRA 18:11)

1. Institut obshchey i neorganicheskoy khimii imeni Kurnakova  
AN SSSR. Submitted April 20, 1964.

DERBISHER, T. V.

PHASE I treasure Island Bibliographic Report

BOOK

Call No.: AF546594

Authors: Ch. I - LEVINGTON, A. L. and PROVOZOV, F. F.  
Ch. II - GOLOSTENOV, G. A., Beh. of Eng. Sci., and DERBISHER, T. V. Eng.  
Ch. III - PELL', V. G., Beh. of Eng. Sci., and RABINOVICH, Kha. A. Eng.  
Ch. IV & V - DRUKKER, S. A., Beh. of Eng. Sci.  
Ch. VI - PELL', V. G., Beh. of Eng. Sci.  
Ch. VII - OSKOLKOV, I. N., Beh. of Eng. Sci., and SOKOLOV, S. A. Eng.  
Ch. VIII - RADCHIK, B. I., Eng.  
Ch. IX - GORDIYCHUK, I. B.  
Ch. X - TOLMACHEV, V. A., Eng.

Full Title: TECHNIQUE OF CINEMATOGRAPHY

Series: Accomplishments of Soviet Cinema Technique

Transliterated Title: Kinos'emochnaya tekhnika

Seriya: Dostizheniya sovetskoy kinotekhniki

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Ed.-in-Chief: Goldovskiy, E. M.,  
Dr. of Technical Sciences

Appraiser: None

1/2

Card 2/2

Call No.: AF546504

Full Title: TECHNIQUE OF CINEMATOGRAPHY

Series: Accomplishments of Soviet Cinema Technique

Text Data

Coverage: The book is the fourth in the series "Accomplishments of Soviet Cinema Technique" and describes the basic methods of taking colored motion pictures. The technique for black-white photography was given in the three previous books. A description of the combined and special types of production now adopted in Soviet cinema studios and the technique of cinema stage settings will be published in one of the following issues of the series.

The book primarily describes the lighting equipment, lenses and deflectors, electric power units for light effects, and arrangements for color-photographic balances of different intensities. The book also gives brief data on: apparatus for normal and synchronic methods of taking pictures; narrow and broad films; tripods of various types; controlling method and mechanisms in cinematographic apparatuses.

Purpose: General information for wide circle of specialists in motion pictures.

Facilities: Scientific Research Institute for Motion Pictures and Photography (N.I.K.F.I.); cinema-studios in Moscow and Leningrad regions.

No. Russian References: None

Available: A.I.D., Library of Congress.

DERNICHEN, T. V.

"New Forms of Arca of High Intensity. (A Study of Arca With  
Air-Blast and Water Cooling.)" Cand Tech Sci, All-Union Sci Res  
Inst of Cinematography, Moscow, 1953. (RZhFiz, Sep 54)

SO: Sun 432, 29 Mar 55

*DEKORATIVNAYA*

GOLOSTENOV, G.A.; DERBISHER, T.V.; EYSYMONT, L.O., redaktor; MATISSEN,  
Z.M., tekhnicheskii redaktor.

[Sources of light for motion-picture projectors] Istochniki  
sveta kinoproektorov. Moskva, Gos.izd-vo "Iskusstvo," 1955.  
126 p. (MLRA 8:12)  
(Motion-picture projectors)

SOV/112-58-2-3465

Translation from: Referativnyy zhurnal, Elektrotehnika, 1958, Nr 2, p 255 (USSR)

AUTHOR: Golostenov, G. A., Derbisher, T. V., and Lazareva, A. N.

TITLE: A 15,000-Lumen Movie Projector Arc Lamp  
(Dugovaya lampa kinoprojektora na 15 000 lm)

PERIODICAL: Tr. Vses. n.-i. kinofotoiz-ta, 1957, Nr 1 (P), pp 17-23

ABSTRACT: A new powerful movie projector has been developed with a 15,000-lm luminous flux for use in wide-screen and conventional movie theaters and also for outdoor projection. To secure the required luminous flux, a new illuminating system has been designed that comprises one elliptic 450-mm diameter reflector with a relative opening of 1:1.8. Special rotating positive 11-mm, 120-amp carbons have been developed for the new arc lamp. A cooling system, and the material for the current-carrying contacts of the positive carbons that considerably improve its operation, have been selected experimentally. Local fan ventilation has been developed to cool the housing and reflector; to control the arc lamp, an electric photoresistor circuit has been developed.

N. V. Ch.

Card 1/1

SOY/112-58-2-3464

Translation from: Referativnyy zhurnal, Elektrotehnika, 1958, Nr 2, p 255 (USSR)

AUTHOR: ~~Derbisher~~, T. V., and Kabanova, L. F.

TITLE: Yellow-Flame Carbons for Cinematic Floodlights  
(Zheltoplamennyye kinos'yemochnyye ugli)

PERIODICAL: Tr. Vses. n.-i. kinofotoin-ta, 1957, Nr 1 (P), pp 24-28

ABSTRACT: Yellow-flame 16-mm 150-amp carbons have been developed for the KPD-50 cinematic floodlight. The new carbons have very smooth characteristic curves. Crater brightness and positive-carbon consumption are lower than for KSE-16 and 16-200 carbons at 150 amp. The color temperature of the new carbons with the Nr 1 light filter is 3,300° K for a focused light beam and 3,000° K at maximum defocusing; the axial luminous intensity of the floodlight is 4,120,000 and 240,000 candles respectively. Application of the yellow-flame carbons does not require any essential alterations in the design of the KPD-50 floodlight.

N. V. Ch.

Card 1/1

DERBISHER, T.V.; LAZAREVA, A.N.

New powerful arc lamp. Tekh. kino i telev. no. 8:1-8 Ag '58.  
(MIRA 11:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy kinofotoinstitut.  
(Electric lamps, Arc)  
(Motion-picture projectors)



DERBISHER, T.V., KABANOVA, L.F.

Yellow-flame carbons for the KFD-50 arc lamp used for motion-  
picture photography. Tekh.kino i telev. 4 no.5:52-55 My '60.  
(MIRA 13:8)

(Electric lamps, Arc)  
(Modern-picture studios--Equipment and supplies)

IRSKIY, G. L., GOLOSTICNOV, G. A. and DERBISHER, T. V.

"New Light Sources for Cine Projection."

report presented at the 5th Congress, Inti. Union of Cinematography Techbiques (UNIATEC)  
Moscow, 1 - 4 Oct 1962.

ZUYEV, V.; KAZAKOV, A.; DERBOGLAV, Ye.

Aviation personnel of the Ukraine discover the potentialities of  
production. Grashd.av. 13 no.8:30-31 Ag '56. (MLRA 9:10)

(Ukraine--Aeronautics, Commercial)

ACC NR: AP6030134

(N)

SOURCE CODE: UR/0120/66/000/004/0019/0083

AUTHORS: Derbunovich, L. V.; Raisov, Yu. A.; Suyetin, O. N.

ORG: Kharkov Polytechnic Institute (Khar'kovskiy politekhnicheskii institut)

TITLE: A multichannel system for the time distribution of a signal

SOURCE: Pribory i tekhnika eksperimenta, no. 4, 1966, 79-83

TOPIC TAGS: time signal, time interval counter, delay circuit, circuit delay line, automatic control system, lamp, chronometer, time measurement / SM 37 lamp

ABSTRACT: A 20-channel system for the time distribution of a control signal has been developed. The distribution is accomplished by delaying the signal  $2-10^4$  microsec. Electromagnetic delay lines provide the delay up to 10 microsec with a minimum step of 0.1 microsec. Above 10 microsec a counter-pulse chronometer provides the delay. The combination allows 0.1 microsec steps while requiring a reference frequency oscillator for the counting pulses of only 100 kc. Three decades of the circuits are used for counting the reference pulses; three other counting decades and a pair of switches are used for checking the operation of the master decade and any of the 20 channels. The counting and logic part of the system contains a static ferrotransistor trigger and a coincidence gate which use transformers with cores having a rectangular "quasipermanently" magnetized hysteresis loop. The transistorized driven blocking oscillators at the output are triggered through a similar

Card 1/2

ACC NR: AP6030134

transformor which permits easy matching. The counting decades use a 2-modulus counter and a 5-modulus ring counter with the counter state displayed on a panel by SM-37 incandescent lamps. The limiting absolute error is  $10^{-6}$  sec and the relative error is  $10^{-4}$ . The construction is unitized. One counter is used for all 20 channels of the system requiring 100-watt power. The delay is easily set by 5 switches, and each channel has 2 coaxial sockets at the output. Orig. art. has: 4 figures.

SUB CODE: <sup>17</sup>09/ SUBM DATE: 29Jul65/ ORIG REF: 005

Card 2/2

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Derivatives of phenoxycichlorophosphazoacyls. Zhur.ob.khim. 34 no.2;  
525-529 F '64. (MIRA 17:3)

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Solved tasks on the irrigation economy. Vest ust zemedel 11 no.10:  
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1. Research Institute of Irrigation Economy, Bratislava.

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Effect of the sowing method on the crop yield of winter  
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1. Research Institute of Irrigation, Bratislava.



DEPCSENYI, Dizso, Dr.

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Testing the GIBI gyrotheodolite. Izv. vys. ucheb. zav.; geod. i  
aerof. no.4:57-66 '64. (MIRA 18:2)

1. Moskovskiy institut inzhenerov geodezii, aerofotos"yemki i  
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New research on glass clarification. Stek. i ker. 12 no.11:7-10  
N '55. (MLRA 9:1)

1. Seobshcheniye Tsentral'nogo issledovatel'skego instituta stroitel'-  
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SO: Monthly list of East European Accessions (EEAL) IC, Vol. 6, No. 9. Sept, 1957 Uncl.

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Professor Ferdinand Kuba; obituary. Podn org 19 no.5:203 My '65.

DERDA, Zygmunt, inż. arch. (Poznan)

Laying floors of Gumolit (Gumoleum). Przegł budowl i bud  
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"150 one-family houses" by Alfred Bruckman. Reviewed by  
Zygmunt Derda. Przegl budowl i bud mieszk 34 no.4/5:284  
Ap-My '62.

DERDA, Zygmunt (Poznan)

Building means also developing the territory; tourist autocar routes  
in the vicinity of the city of Poznan. Przegl budowl i bud mieszk  
35 no.4:219-226 Ap '63.



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Regularities of the diurnal rhythm of mitotic cell division in the ocular sac and the presumptive ectoderm during the period of contact between them in chick embryos. Biul. eksp. biol. i med. 60 no.9:109-111 S '65. (MIRA 18:10)

I. Otdel eksperimental'noy embriologii (zav. - prof. O.Ye. Vyazov) i laboratoriya gistofiziologii (zav. - kand. biol. nauk V.N. Dobrokhotov) Instituta eksperimental'noy biologii (dir. - prof. I.N. Mayskiy) AMN SSSR, Moskva.

LATKOVICH, I. [Latkovics, I.]; DEED'NEY, [Gyorgyne]

Effect of fertilizers on the metabolism of the Hungarian  
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1. Nauchno-issledovatel'skiy institut pichvovedeniya i agro-  
khimii AN Vengrii, g. Budapesht.

*DERDZINSKI, Stanislaw*

POLAND

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DERDZINSKI, Stanislaw

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Upper Silesian Field Station, Geological Institute  
(Gornoslaska Stacja Terenowa Instytutu Geologicznego)

Warsaw, Kwartalnik Geologiczny, No 3, 1963, pp 540-41.

"Methodology of Computing Balancesheet of Perspective of  
Resources in the Upper Silesian Coal Basin".

DEFEKALIN, I.Ya., aspirant (Odessa)

State of the accessory sinuses of the nose in congenital harelip  
and cleft palate. Probl. chel.-lits. khir. no.1:82-85 '65. (MIRA 18:10)

I. 15360-66 EWT(1)/EWP(e)/EWT(m)/EPF(n)-2/T/EWP(t)/EWP(b)/EWA(h) IJP(c)

ACC NR: AP5026922 JD/WW/JG/AT/WH

SOURCE CODE: UR/0185/65/010/010/1153/1154

AUTHOR: Derebrya, M. A. 90ORG: Ukrainian Polygraphic Institute im. I. Fedorov (Ukrayins'kyi poligrafichnyy instytut) BTITLE: <sup>21,44,55</sup> Semiconductor properties of ZrO<sub>2</sub> with an admixture of Cu<sub>2</sub>OSOURCE: <sup>7-12</sup> Ukrayins'kyi fizychnyy zhurnal, v. 10, no. 10, 1965, 1153-1154TOPIC TAGS: zirconium compound, semiconductor property, electric conductivity, ~~thermoelectric power~~ thermoelectric power, hole mobility, carrier density, pressure effect, temperature dependence, thermal emf, Hall effect, cuprous oxide, hole conduction

ABSTRACT: Results are reported of an investigation of the dependence of the electrical conductivity and the Hall and thermal emf of sintered ZrO<sub>2</sub> with an admixture of Cu<sub>2</sub>O on the temperature and the partial pressure of oxygen. Powdered ZrO<sub>2</sub> and Cu<sub>2</sub>O containing 98.88 and 98.93% respectively of the main material were used. The resistance and emf measurements were made in a quartz dish which was evacuated and filled with oxygen to a suitable pressure. The magnetic induction of the constant magnet was varied from 0 to 6000 Gauss. With increasing Cu<sub>2</sub>O content up to 1 mol.% the sample resistance increases by about 2--3 orders compared with ZrO<sub>2</sub>. Increasing the Cu<sub>2</sub>O content to 25--30% causes the resistance to drop by 4--5 orders. Further addition of Cu<sub>2</sub>O leads to decreasing resistance which approaches 10<sup>4</sup> ohm-cm of pure Cu<sub>2</sub>O. A break is observed in the log ρ vs. 1/T curve between 200 and 300C, the break

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I. 15360-66  
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occurring at a temperature which is the higher the less  $Cu_2O$  had been added. This is typical of all samples and is evidence of hole conductivity which is also confirmed by the thermal and Hall emf. The thermal emf between 20 and 1200C and the Hall emf between 20 and 200C are additive. The dependence of the thermal emf on  $1/T$  is complex. Investigations of the Hall effect ( $B = 4000$  Gauss) on samples with 30, 50, and 100%  $Cu_2O$  indicate that the hole concentration and mobility are small. Orig. art. has 2 figures.

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S/112/59/000/013/049/067  
A002/A001

Translation from: Referativnyy zhurnal, Elektrotehnika, 1959, No. 13, p. 232,  
# 27845

AUTHORS: Andriyevskiy, A.I., Dereberya, N.A., Sandulova, A.V.

TITLE: The Effects of Temperature and Annealing Time on the Change of  
Electric Characteristics of Cuprous Oxide Elements During Aging

PERIODICAL: Nauchn. zap. Ukr. poligr. in-t, 1958, Vol. 12, No. 1, pp. 69-75

TEXT: In the manufacturing process, cuprous oxide rectifiers are placed  
for some time into an annealing furnace after having been in an oxidation fur-  
nace. The effects of temperature and annealing time on the resistance and the  
rectification factor have been investigated. The optimum annealing temperature  
is 500-600°C. The annealing time depends essentially on the inverse resistance  
of the elements. The barrier layer is formed by cooling from the oxidation  
temperature of 1,000°C to the annealing temperature. In this case, the best  
condition is a cooling time equal to the annealing time. X

B. A. G.

Translator's note: This is the full translation of the original Russian  
abstract.

Card 1/1

DEREBERYA, N.A. [Dereberia, M.A.]; IL'KIV, G.I. [Il'liv, H.I.]

Structure of a semiconductor synthesized on a  $\text{ErO}_2$  base with  
admixture of  $\text{Cu}_2\text{O}$ . Ukr. fiz. zhur. 10 no.1:109-110 Ja '65.  
(MIRA 18:4)



DEREBERYA, N.A. [Dereberia, M.A.]

Semiconductor properties of  $ZrO_2$  with a  $Cu_2O$  admixture.

Ukr.fiz.zhur.10 no.10:1153-1154 0 '65.

(MIRA 19:1)

1. Ukrainskiy poligraficheskiy institut im. I.Fedorova, L'vov.  
Submitted March 9, 1965.

DEREBIZOV, G.P.

Certain problems in the operation of a milling bit. Izv.  
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1. Groznenskiy neftyanoi institut.

DEREBIZOV, G.P.

Effect of the axial weight on the mechanical sinking in  
drilling with milling bits. Izv.vys.ucheb.zav.;neft' i gaz  
7 no. 1:11-16 '64. (MIRA 17:7)

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DEREBIZOV, G.F.; STAROSTIN, V.I.

Power requirements for the disintegration of rocks by sutter  
bits. Izv. vys. ucheb. zav.; neft' i gaz 7 no.9:33-38 '64.  
(MIRA 17:12)