

VOLKOV, Boris Mikhaylovich; GRODNEV, Igor' Izmaylovich;  
YEREMEYeva, Nina Yefimovna; KUZNETSOV, Nikolay Ivanovich;  
VOLODARSKAYA, V.Ya., red.

[Plastic coated communication cables] Kaboli svlazi v  
plastmasse. Moskva, Sviiaz', 1965. 190 p. (MIRA 18:12)

BEL'TSOV, V.M.; KHARKHAROV, A.A.; YEREMEYeva, R.F.; ANAN'YEVA, Ye.B.;  
VASIL'YEVA, M.I.

Bleaching of cotton yarn and yarn products with sodium chloride.  
Tekst. prom. 23 no.9:70-73 S '63. (MIRA 16:10)

1. Sotrudniki Leningradskogo tekstil'nogo instituta imeni  
S.M. Kirova (LTI) (for Bel'tsov, Kharkharov). 2. Pryadil'no-ni-  
tochnyy kombinat imeni S.M. Kirova (for Yermeyeva). 3. Pryadil'no-  
nitochnyy kombinat "Krasnaya Nit'" (for Vasil'yeva).  
(Bleaching) (Yarn)

YEREMEYEVA, S.I.; VINOKUR, M.M.; NIKOLAYEV, D.S.; RAYEVSKAYA, M.A.; KAUFMAN, I.M., red.; CHERNYAK, A.Ya., red.; KUZNETSOV, B.G., prof., nauchnyy red.; KHELEMSKAYA, L.M., tekhn. red.

[Great physicists of the world; a bibliography] Vydaiushchiesia fizi-  
ki mira; rekomendat'l'nyi ukazatel'. Moskva, 1958. 435 p.  
(MIRA 11:8)

1. Moscow. Tsentral'naya politekhnicheskaya biblioteka.  
(Bibliography--Physicists)

YEREMEYeva, N.M., kand.tekhn.nauk; FEDYAYEVA, V.M.

Device for measuring the wear of drills. Mashinostroitel'  
no.3:27-28 Mr '65. (MIRA 18:4)

YEREMEYEVA, S.I.

Evangelista Torricelli; on the 350th anniversary of his birth.  
Trudy Inst. ist. est. i tekhn. 22:281-288 '59. (MIRA 12:10)  
(Torricelli, Evangelista, 1608-1647)

YEREMEYeva, S.I.; YAKOVLEV, V.B.; CHESNOVA, L.V.; SHLYKOVA, S.A.; KOZLOV, S.G.;  
KHRENOV, K.K. (Kiyev); TIGRANYAN, S.T. (Yerevan); KROTIKOV, V.A. (Leningrad)

In the Soviet National Association of Historians of Science and  
Technology. Vop.ist.est.i tekhn. no.10:180-187 '60. (MIRA 14:3)  
(Scientific societies)

SHTUTMAN, M.N.; AVDEYENKO, V.P.; SHUL'MAN, V.M.; YEREMEYEV, T.A.

Ejection of matter from an electrode when using a pulsed light source. Izv.vys.ucheb.zav.; fiz. no.2:174-175 '61. (MIRA 14:7)

1. Magnitogorskiy metallurgicheskiy kombinat.  
(Electric discharge lighting)

SHTUTMAN, M.N.; AVDEYENKO, V.P.; SHUL'MAN, V.M.; YEREMEYeva, T.A.

Effect of the quantity of material taken in a sample on the accuracy of the analysis in a pulse light source. Izv.vys.ucheb. zav.; fiz. no.3:169-171 '61. (MIRA 14:8)

1. Magnitogorskiy metallurgicheskiy kombinat.  
(Spectrum analysis)



SHTUTMAN, M.N.; SHUL'MAN, V.M.; MILYAVSKAYA, Ye.M.; FILIPPOVA, R.A.;  
YEREMEYEVA, T.A.; LUKINA, M.N.

Spectra analysis of iron ore, agglomerate, and blast-furnace  
slag in a "sounding" direct-current arc. Zav.lab. 28 no.11:1330-  
1332 '62. (MIRA 15:11)

1. Magnitogorskiy metallurgicheskiy kombinat.  
(Iron ores--Spectra) (Electric arc)

YEREMEYEV, T. A.

110

PHASE I BOOK EXPLOITATION

80V/6181

Ural'skoye soveshchaniye po spektroskopii. 3d, Sverdlovsk, 1960. Materialy (Materials of the Third Ural Conference on Spectroscopy) Sverdlovsk, Metallurgizdat, 1962. 197 p. Errata slip inserted. 3000 copies printed.

Sponsoring Agencies: Institut fiziki metallov Akademii nauk SSSR. Komissiya po spektroskopii; and Ural'skiy dom tekhniki VSNTG.

Eds. (Title page): G. P. Skornyakov, A. B. Shayevich, and S. G. Bogomolov; Ed.: Gennadiy Pavlovich Skornyakov; Ed. of Publishing House: M. L. Kryzhova; Tech. Ed.: N. T. Mal'kova.

PURPOSE: The book, a collection of articles, is intended for staff members of spectral analysis laboratories in industry and scientific research organizations, as well as for students of related disciplines and for technologists utilizing analytical results.

Card 1/15

Materials of the Third Ural Conference (Cont.)

80V/6181

COVERAGE: The collection presents theoretical and practical problems of the application of atomic and molecular spectral analysis in controlling the chemical composition of various materials in ferrous and nonferrous metallurgy, geology, chemical industry, and medicine. The authors express their thanks to G. V. Chentsova for help in preparing the materials for the press. References follow the individual articles.

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YEREMEYeva, T. D.

1. EREMEEVA, T. D.

2. USSR (600)

4. Apple - Ivanovo Province

7. Growing apple rootstocks on collective farms of Ivanovo Province. Sad i og no. 1, 1953.

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

CHEL'TSOVA, M.A.; PETROV, A.D.; LUBUZH, Ye.D.; YEREMEYeva, T.I.

Synthesis and selective hydrogenation of tri- and pentaphenyl-  
alkanes. Izv. AN SSSR Ser. khim. no.1:124-133 '65.

(MIRA 18:2)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.

YEREMEYEVA, V.S.; POROYKOVA, L.N.; PETROVA, R.I.; MORUNOVA, Z.S.; SIVITSKAYA,  
O.K.

Use of an internal indicator in the nitritometric titration of drugs.

Apt. delo 9 no.3:60-63 My-Je '60.

(MIRA 14:3)

(DRUGS)

(COLORIMETRY)

(INDICATORS AND TEST-PAPERS)

USSR / General Biology. Individual Development. Embryonic B Development.

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 14369  
Author : Vasnetsov, V. V.; Yeremeyeva, Yo.; Lange, N. O.;  
Dimitriyova, Yo. N.  
Inst : Institute of Animal Morphology, Academy of  
Sciences USSR  
Title : The Development Stages of Industrial, Semi-  
directed Fish of the Volga and Don, the Golden  
Shiner, Carp, Vobla, Roach Rutilus, Rutilus  
Heckeli and Pike Perch  
Orig Pub : Tr. in-ta morfol. zhivotnykh. AN SSSR, 1957,  
vyp 16, 7-76  
Abstract : The development stages of Abramis bramo (L.),  
Cyprinus carpio, Rutilus rutilus caspicus  
(Iakoveow) (L.), Rutilus rutilus heckeli

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USSR / General Biology. Individual Development. Embryonic B Development.

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 14369

(Nordmann) and Soc. ciopoera luciopocra (L.), caught in the delta of the Volga and Don, were investigated. The development of the golden shiner, vobla and roach are very similar, the carp is characterized by spawning in portions and shedding the eggs at higher temperature in thoroughly warm, shallow water. All these species are characterized by 9 stages of approximately equal duration. In the pike perch stage A is divided into  $A_1$  and  $A_2$ , there are altogether 10 stages and, even though some of these stages may be compared with the corresponding stages in the carp, the general course of development deviates considerably, In the Volga,

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USSR / General Biology. Individual Development. Embryonic B Development.

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 14369

the bottom constitutes the principal spawning ground and breeding place where the young keep themselves. In the Don spawning and breeding takes place in the flood-lands at the mouth of its tributaries. At early stages ecological differences are not apparent except for the fact that in the Don these stages are somewhat longer than in the Volga. However, the characteristics of the flood determine the lot of the young. In the Volga delta, if a sharp or early recession occurs or if development is retarded, the young remain at the bottom until the exit becomes barred. In the flood-lands of the Don the water-meadows remain dry if there is little water, and if there is

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USSR / General Biology. Individual Development. Embryonic B Development.

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 14369

high water the young are carried out, a phenomenon which occurs according to the data of 1950-1951 at the beginning of the G stage. The young should be let out of spawning and breeding establishments at the beginning of this same stage. -- A. G. Andros

Card 4/4

~~YEREMYEVA, Ye.Y.~~

Horny teeth of young fishes of the carp family and their adaptive  
importance at different developmental stages, Trudy Inst. morf.  
shiv. no.16:299-313 '57. (MLRA 10:3)

(Carp)

(Teeth)

YEREMEYeva, Ye.F.

The Amur grass carp *Ctenopharyngodon idella* (Valenciennes) as an object of  
acclimatization. Trudy Inst.morf.zhiv. no.5:27-31 '51. (MLRA 6:9)  
(Carp)

YEREMEYeva, Ye.F.

The Amur black carp *Mylopharyngodon piceus* (Richardson) as an object of  
acclimatization. Trudy Inst.morf.zhiv. no.5:32 '51. (MIRA 6:9)  
(Carp)

YEREMEYeva, Ye.F.

False salmon *Elopichthys bambusa* (Richardson) as an object of acclimatization.  
Trudy Inst.morf.zhiv. no.5:50-81 '51.

(MLRA 6:9)

(Carp)

VASHNETSOV, V.V.; YEREMYEVA, Ye.F.; LANGE, N.O.

Role of the young of waste fishes in the development of the young of  
commercial semi-migratory fishes. Trudy Inst.morf.shiv. no.10:219-243 '53.  
(MIRA 6:11)  
(Fishes)



YEREMEYEV, Ye. F.

VASNETSOV, V.V. [deceased]; YEREMEYEV, Ye. F.; LANGE, N.O.; DHITRIYEV, Ye. H.;  
BRAGINSKAYA, R. Ya.

Stages of the development of partially migratory commercial fishes  
of the Volga and Don Rivers: the bream, carp, pike perch, and the  
roaches *Rutilus rutilus caspicus* and *Rutilus rutilus heckeli*. Trudy  
Inst. morf. zhiv. no. 16: 7-76 '57. (MLRA 10:8)  
(Volga River--Fishes) (Don River--Fishes)

YEREMEYEV, Ye.F.

Transition to subsequent stages of development as exemplified in the roach of the Kuban River (*Rutilus rutilus heckeli* (Nordmann)). Trudy Inst.morf.zhiv. no.25:10-24 '60.  
(MIRA 13:7)

(Roach (Fish)) (Fishes--Physiology)

YEREMEYeva, Ye.F.

Comparing the developmental stages of bream (*Abramis  
brama* (Linne)) from the Kuban limans and the Volga, and  
Don Rivers. Trudy Inst.morf.zhiv. no.25:25-36 '60.  
(MIRA 13:7)  
(Bream) (Fishes--Physiology)

YEREMEYVA, Ye.P.

Comparing the developmental stages of carp (*Cyprinus  
carpio* (Linne)) from the Kuban limans and the Volga  
River. Trudy Inst.morf.zhiv. no.25:37-46 '60.  
(MIRA 13:7)

(Carp) (Fishes--Physiology)

YEREMEYeva, Ya.F.

Phasic development and the abundance dynamics of fishes.  
Trudy sov. Ikht. kom. no.13:180-184 '61. (MIRA 14:8)

1. Ikhtiologicheskaya komissiya AN SSSR i Vsesoyuznyy nauchno-  
issledovatel'skiy institut.  
(Fish populations)  
(Zoology--Ecology)

YEREMEYEVA, Yelena Mikhaylovna; BAYEV, Yevg., red.

[The Black Sea] Chernoe more. Simferopol', Izd-vo  
"Krym," 1965. 107 p. (MIRA 18:7)

YEREMEYeva, Ye. S.

Yeremeyeva, Ye. S. "Ozocerite therapy for lumbosacral radiculitis," Trudy Khovrin.  
obl. klinich. bol'nitsy, Khovrino (Moscow Oblast), 1948, p. 113-19

So: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 13, 1949)

YEREMICHEV, A. I.

Semiautomatic machines used for protective coating of machine  
parts. Mashinostroitel' no.2:21-23 P '57. (MLRA 10:5)  
(Corrosion and anticorrosives)



YEREMICHEV, A.I.

Automatic annealing and tempering unit. Mashinostroitel'  
no.4:9 Ap '62. (MIRA 15:5)  
(Furnaces, Heat treating)

YEREMICHEV, A. I.

Automated coke-gas cupola. Lit. proizv. no.10:15-17 0 '62.  
(MIRA 15:10)

(Cupola furnaces)

YEREMICHEV, A.I.

Mechanical furnace for heating rings. Mashinostroitel'

no.11:10 N '62.

(MIRA 15:12)

(Furnaces, Heating)

L 01515-6/ EWT(d)/EWT(1)/EWP(1) GD

ACC NR: AT6022350

SOURCE CODE: UR/0000/66/000/000/0028/0031

AUTHOR: Yeremichev, V. I.

ORG: None

10  
B+1

TITLE: Wire heads for ferrography

SOURCE: Vsesoyuznaya nauchno-issledovatel'skaya i issledovatel'skaya Dnyu radio. 22d, 1966.  
Sektzia radioveshchaniya, elektroakustika i zashchita. Doklady. Moscow, 1966, 28-31

TOPIC TAGS: electrostatic printer, reading machine, magnetic recording, character reading equipment, *METALLOGRAPHIC EXAMINATION*

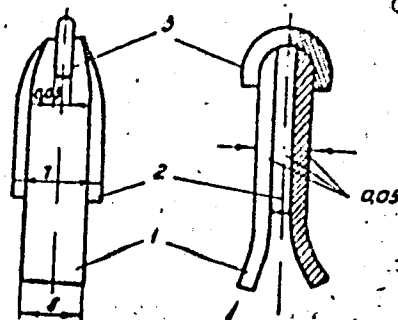
ABSTRACT: The author discusses the development of ferrographic and electrostatic methods for image recording. An experimental ferrographic recorder developed by MEIS in cooperation with GNIP. VI has an operating speed of 7000 symbols per second. The magnetic recording heads in this unit are packed at a density of 2 heads per millimeter. To increase reliability and improve the half-tone characteristics of ferrographic recording requires higher head packing density. However, studies have shown that interaction between adjacent heads and complications in manufacturing are increased while efficiency is reduced at the maximum density of 3.5 heads per millimeter using conventional toroidal design. Since this is still a rather low packing density, a new head design is needed. The application of wire heads to ferrographic recording was studied at the magnetic recording laboratory of MEIS. It was found that

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L 04515-67

ACC NR: AT6C 22350

the design shown in the figure may be packed to a density of 10 heads per millimeter without any noticeable interaction between adjacent elements. The two foil strips 1 are separated by a thin mica insulator 2 and connected at the tip by wire bridge 3. This type of recording head has a scattering field only at the tip since the foil strips have a width much greater than their thickness and the distance between them and the current in adjacent strips flows in opposite directions which nearly eliminates the magnetic field. Orig. art. has: 2 figures.



SUB CODE: 09/ SUBM DATE: 05Mar66 / ORIG REF: 003

Card 2/2 *eqh*

YEREMICHEV, A.I.

Automatic furnace for welding radiators. Mashinostroitel'  
no.6:11 Je '63. (MIRA 16:7)

(Electric welding—Equipment and supplies)

YEREMICHEV, V.N., inzh. (Arkhangel'sk)

New track repairing machine. Put' i put. khoz. 9 no.2:6-7 '65.

(MIRA 18:7)

100 AND 410 (CP581)  
 PROCESSES AND PROPERTIES INDEX  
 YEREMICHEV, V.V.  
 5  
 The Determination of Phosphorus in Vanadium Steel and Ferro-Vanadium. S. H. Gutman and V. V. Yermichev, (Zaviskaya Laboratoriya, 1939, No. 12, pp. 1218-1222). (In Russian). Exploratory experiments on the determination of phosphorus in steels in the presence of vanadium by the volumetric molybdate method showed that the procedure giving the best results was to eliminate the effect of pentavalent vanadium by reducing it with hydroxylamine hydrochloride. Other reducing agents which have been recommended for the purpose were found to be less satisfactory. The method is also suitable for the determination of phosphorus in ferro-vanadium.

COMMON ELEMENTS  
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 ASS-SEA METALLURGICAL LITERATURE CLASSIFICATION  
 FROM STUDIES  
 147000 #1  
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18(1.3) **YEREMICHEV, V.K.**

18(1.3)	PHASE - DOWA EXHIBITION	50V/3402
	Sovetskaniye po prikladnoy metalurgii i spetsial'nykh elementov dlya uluchsheniya fiziko-khimicheskikh svoystv konstruktsionnykh i spetsial'nykh staley i sployav	
	Radokov'nyye elementy v stalyakh i sployavakh: vyznacheniye i ispol'zovanie v stalyakh i sployavakh. To improve the physical and mechanical properties of structural and special steels and alloys. Moscow, Metallurgizdat, 1959. 246 p. Krata slip inserted. 3,150 copies printed.	
	Ed. A. A. Frohagin; Ed. of Publishing House: A. L. Ozeretskiy; Tech. Ed.: P. O. Isent'yev.	
	FOREWORD: This book is intended for engineers, technicians and scientists engaged in the metallurgy of heavy and ferrous metals, and may be used by students of higher educational schools, who are specializing in the metallurgical science of these metals.	
	RESULTS of investigations are given of rare earths as alloying components in steels and alloys. The influence of rare earth additives in improving the technical properties of structural, fire-resistant and other steels and alloys is also described. Figures, tables and references (mostly Soviet) accompany each article. No personalities are mentioned.	
	Ed. V. K. Yeremichev, Candidate of Technical Sciences, Institut metalurgii i khraneniya i kristallografii redkikh elementov, AN SSSR (Institute for Mineralogy, Geochemistry and Chemical Crystallography of Rare Earth Elements, AS USSR). The State of Rare Earths Production and the Trend in Its Development (According to non-Soviet literature)	5
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KHROMOV-BORISOV, N.V.; YEREMICHEVA, K.A.

Bisquaternary ammonium compounds of some derivatives of  
1,6-hexamethylene-bisaminoacetic acid. Zhur.ob.khim. 33  
no.2:475-479 F '63 (MIRA 16:2)

1. Parvy Leningradskiy meditsinskiy institut imeni I.P.Pavlova.  
(Ammonium compounds) (Glycine)

KHROMOV-BORISOV, N.V.; YEREMICHEVA, K.A.

Introduction of phenyl, nitrophenyl, and dinitrophenyl radicals  
into 1,5-hexamethylene bis-trimethyl ammonium. Zhur. org. khim.  
1 n. 11:2002-2004 N '65. (MIRA 18:12)

1. L-y Leningradskiy meditsinskiy institut imeni akad. I.P.  
Pavlova. Submitted December 18, 1964.

KHROMOV-BORISOV, N.V.; YANOVITSKAYA, A.M.; YEREMICHEVA, K.A.

Synthesis of some acyl derivatives of phenothiazine. Part 3:  
Derivatives of nicotinic acid. Zhur. ob. khim. 30 no.11:3569-  
3572 N'60. (MIRA 13:11)

1. 1-y Leningradskiy meditsinskiy institut.  
(Nicotinic acid)

ROZANOVA, M.D.; KUZ'MINA, V.S.; YEREMICHEVA, T.I.

Ultrasonics in compound treatment of destructive pulmonary tuberculosis. Probl. tub. 41 no.9:39-44 '63 (MIRA 17:4)

1. Iz" podrostkovogo otdeleniya ( rukovoditel'-doktor med. nauk M.D. Rozanova) i otdeleniya funktsional'noy diagnostiki i fizicheskikh metodov lecheniya ( rukovoditel' - kand. med. nauk S.R. Lachinyan) Moskovskogo nauchno-issledovatel'skogo instituta tuberkuleza (dir. - kand. med. nauk T.P. Mochalova, zamestitel' direktora po nauchnoy chasti - prof. D.D. Aseyev) Ministerstva zdravookhraneniya RSFSR.

YEREMIN, A. , inzh.

Improving the universal claw-type puller tool. Tekh.v sel'khoz.  
19 no.5:34-37 My '59. (MIRA 12:7)

1. Kuybyshevskiy sel'skokhozyaystvennyy institut.  
(Tools)

YEREMIN, A.

MORIN, A., general-mayor inzhenernykh voyak; YEREMIN, A., podpolkovnik.

Rapid laying of electric demolition lines. Voen.-inzh. zhur. 101  
no.4:24-27 Ap '57. (MLBA 10:6)

(Demolition, Military)

YEREMIN, A.

PA 57T18

USSR/Engin

Dec 1947

Valves

Metals, Heat-Resisting

"Materials for Manufacture of Distributing Valves,"  
A. Yeregin, Sr Sci Collaborator, TsNIIMF, 2 pp

"Morskoy Flot" No 12

Most valves in Diesel engines must operate at very high temperatures and are being produced from new materials having high degree of heat resistance. Describes composition of four new materials. Editors request machinists and engineers of ships using new materials to send in reports on their efficiency.

LC.

57T18



YEREMIN, A.

Progress in Space Research

"So Begins the Assault on Space," by A. Yerevin and V. Svirnov; Moscow, Meditsinskiy Rabotnik, No 89, (1837), 7 Nov 59, .p4

This brief item asserts that the launching of the first artificial earth satellite by the USSR inaugurated a new era in man's conquest of space. Soon, says the article, earth-bound man will be able to travel to other planets. Before this dream can become a reality, it is pointed out, scientists must solve the problem of re-entry.

Soviet scientists have been conducting experiments on animals under laboratory conditions and have launched rockets containing animals. The spectacular launching of the second Soviet artificial earth satellite with a dog, Layka, is now well known.

Soviet scientists are developing special altitude equipment for high-altitude emergency conditions and are conducting laboratory tests under simulated conditions. All vital functions of the human organism are being investigated, and research on methods of training humans for life and activity under unusual conditions is in progress.

SO: [REDACTED], [REDACTED], [REDACTED], [REDACTED], [REDACTED].

L 9588-66 FSS-2/EWT(1)/FS(v)-3/EEC(E)-2/EWA(B) 11/DD/RD/GW

ACC NR: AP6000255

SOURCE CODE: UR/0209/65/000/011/0036/0038

AUTHOR: Stepantsov, V. (Candidate of biological sciences); Yeremin, A.  
(Candidate of medical sciences); Kolosov, I.

ORG: None

TITLE: Orientation in unsupported space

SOURCE: Aviatsiya i kosmonavtika, no. 11, 1965, 36-38

TOPIC TAGS: weightlessness, cosmonaut training, space flight simulation

ABSTRACT: In response to letters from readers requesting more details on an article published earlier, the authors present details on the moments of inertia of separate parts of the human body in various positions in unsupported space. A description is given of experiments performed to gain more information on the motor activity of man subjected to a longer (average 30 sec) period of weightlessness, created by an aircraft flying in a Kepler parabola. These experiments confirmed earlier theoretical and experimental data on the different methods of orientation (turning) of man by internal forces around three mutually perpendicular axes of the body. Some of the procedures used by the subject for turning in different.

Card 1/2

L 9588-66

ACC NR: AP6000255

directions are described. A study was also made on the most effective way of using support (pushing with the hands or pulling) for aimed displacement in a prescribed direction. Pulling proved to be the simplest, most convenient, and most accurate method of displacement, with minimal twisting of the body. Some other considerations which should be taken into account in selecting the scheme and the design of individual means of movement in weightlessness are discussed. Orig. art. has: 1 figure.

[08]

SUB CODE: 22, 06 / SUBM DATE: none/ · ATD PRESS: 4164

HW  
Card 2/2

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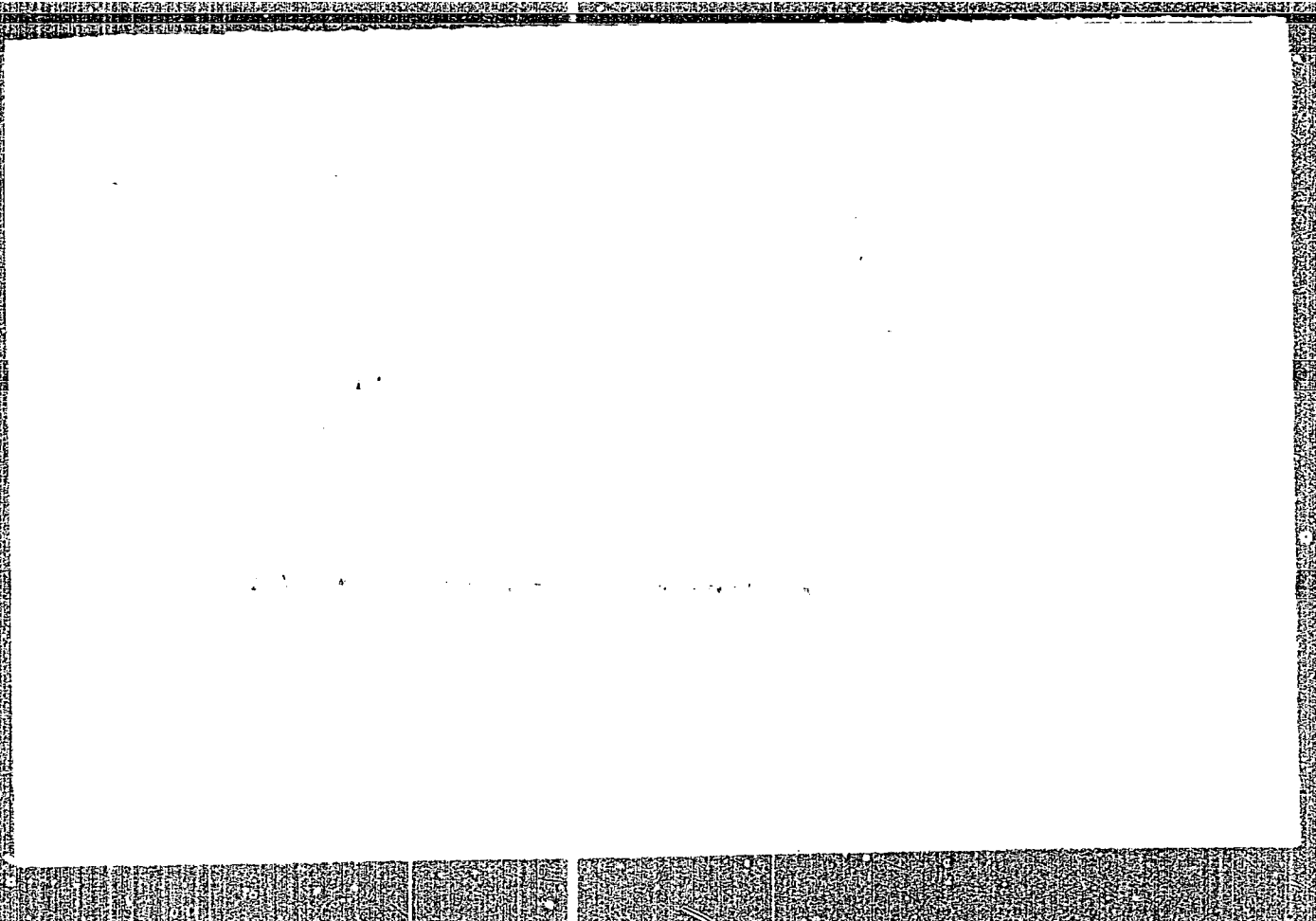
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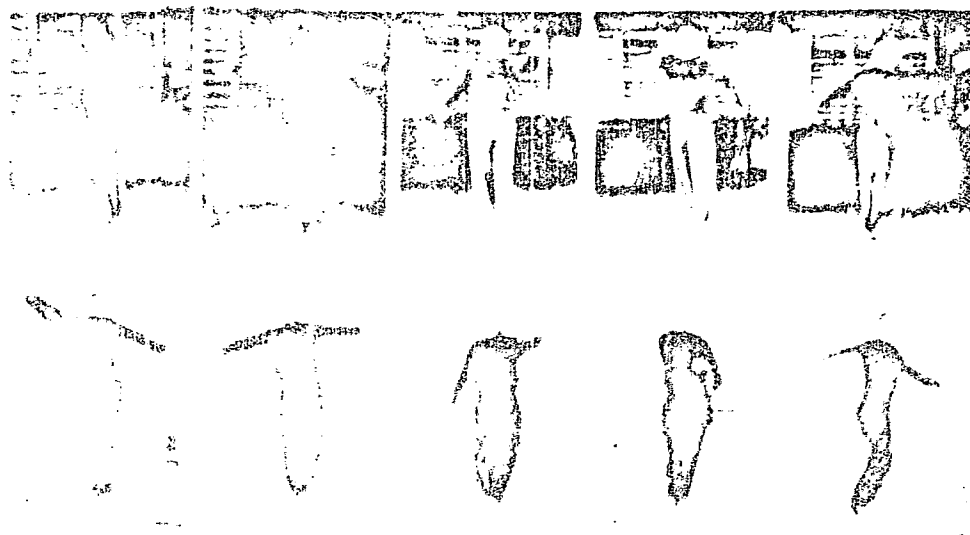
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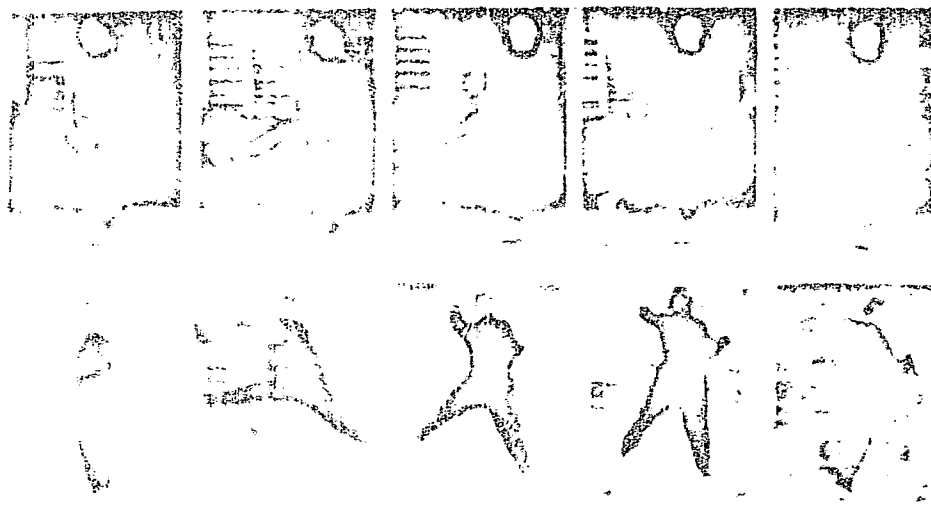
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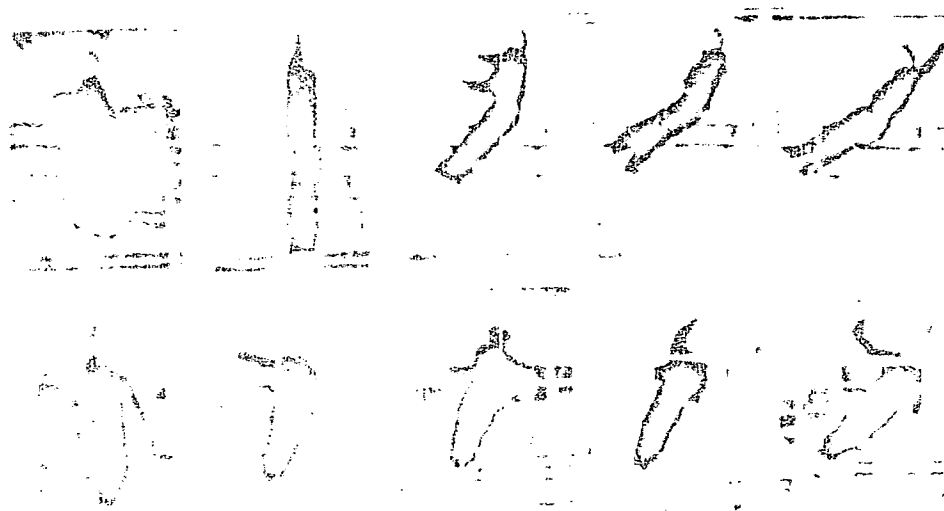
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TUGARINOV, N.I.; MOSKVICHEV, G.S.; YEREMIN, A.A.

Tungsten-graphite thermocouple of a new design. Zav. lab. 23 no.1:  
92-93 '57. (MLRA 10:4)

1. Institut fizicheskoy khimii Akademii nauk SSSR.  
(Thermocouples) (Tungsten) (Graphite)

18(7): 25(1) PAGE: 1 BOX: 1/133

Korrosiya i zashchita stali: sbornik statei (Corrosion and Protection of Steel: Collection of Articles) Moscow, Mashin, 1979. 235 p. 7,000 copies printed.

Ed.: E.D. Tsvetkov, Doctor of Chemical Sciences, Professor; Reviewers: A.A. Zhubovitskiy, Doctor of Chemical Sciences, Professor; and E.D. Ponomareva, Doctor; Ed. of Publishing House: E.O. Alievskiy; Tech. Construction: E.V. Pavlovskiy, Engineer.

PURPOSE: This book is intended for scientific and technical personnel concerned with questions of the corrosion and protection of metals.

CONTENTS: The articles in this collection deal with the corrosion of steels in corrosive environments, investigation of the effect of various factors on corrosion, and methods of protecting steels from gas and electrochemical corrosion. Special attention is given to new methods of investigation. A number of the articles give the results of studies made under operating conditions. New data, obtained by the Department of Metal Corrosion,

Moskowsky Institute of Steel (Moscow Institute of Steel), are published here for the first time. Four articles are the result of work conducted jointly at the laboratories of the Moskowsky Metallurgical Institute "Serp i molot" (Moscow Metallurgical Plant "Serp i molot") and the Khimicheskoy zavod imeni M.I. Kalinina (Chemical Plant imeni M.I. Kalinina). Most of the articles contain practical recommendations on the protection of steels from corrosion. No personalities are mentioned. References follow each article.

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**Abstracts made from. Initial checklist items**

PLEASE I BOOK INFORMATION 808/4271

[illegible]

Assoc. Ed.: S. D. Samsonov, Doctor of Chemistry, Professor; Ed. of Publishing House: B. G. Tsvetkovskiy, Ed. of A. A. Kuznetsov and N. V. Zolotarev; Editorial Board: L. D. Zolotarev, A. V. Pribludnyy, Candidate of Chemistry, and P. V. Malgouyev, Candidate of Chemistry.

**REMARK:** This collection of articles is intended for scientific workers at research institutes and technical personnel of plant laboratories.

Literature has not yet attained interest for studying correction programs. A wide range of problems is covered. In addition to the methods discussed, the article provides some practical data with some possible full utilization of each individual method. No personalities are mentioned. References accompany each article.

**Translations on Corrosion (Cont.)**

501/4272

Kulakovskiy, Ya. E., and N. D. Tomashev. Use of the Method of Polarization With Intermittent Current in the Investigation of Corrosion Processes in High-Electrical-Resistance Media.

Angely, E.I., and E.D. Tsimakov. Amplifiers for Automatic Recording of Electrochemical Potentials

McHenry, John, E.L. Suppliot, and A.A. Terrell. An Efficient Device for Investigating Osmotic Corrosion

Fig. 1.1.1.1. Microtunnels for studying the oxidation of metals under the microscope

122

Polya, M.B., I.V. Matveyev, and B.D. Tomashov. Cells for Studying Metal-Insulation Systems Under the Influence of Electron Radiation With Polarization Phenomena Taken Into Account

Case 46

Thomas J. K. N. K. I. Taperley, and A. A. Taperley. East Assistance of  
Christopher Michael Alloys

304

YEREMIN, A.A.

Rated capacity of main engines on "Kazbek"-type tank vessels.

Inform. stor. TSHIIMF no.47. Tekh. ekspl. mor. flota no.3:3<sup>43</sup>  
'60. (MIRA 15:1)

(Tank vessels) (Marine engines;

L 17893-63 EWP(q)/EWT(m)/BDS AFFTC/ASD Pq-4 WH  
ACCESSION NR: AP3005221 S/0089/63/015/002/0130/0138 62

AUTHOR: Golovanov, Yu. N.; Brezhneva, N. Ye.; Oziraner, S. N.; Yeremin, A. A.;  
Zotov, V. L.

TITLE: Dependence of the chemical durability and crystallization capacity of glass on composition and manufacturing method

SOURCE: Atomnaya energiya, v. 15, no. 2, 1963, 130-138

TOPIC TAGS: fission product, fission-waste disposal, radioactive-isotope disposal, radioactive waste disposal, glass, chemical durability, glass-melting temperature, silicon dioxide content, sodium oxide content, flux, boron trioxide, Beta radiation, glass crystallization, glass annealing, optimum glass composition, radioactive-isotope-containing glass, heavy-metal-containing glass, silicon dioxide, sodium oxide

ABSTRACT: In an attempt to facilitate radioactive-waste disposal a study was made to find chemically durable glasses from hydroxides of radioactive isotopes from spent liquids of the atomic energy industry. The chemical durability must be accompanied by a relatively low glass-melting temperature and heat and radiation resistance, especially if a high heavy-metal content is expected. For this

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L 17893-63

ACCESSION NR: AP3005221

purpose a powdered model composition (powder) consisting of  $\text{Fe}(\text{OH})_3$ ,  $\text{Na}_2\text{U}_2\text{O}_7$ , and  $\text{Ca}(\text{OH})_2$ , with a ratio of  $\text{F}_2\text{O}_3/\text{Na}_2\text{U}_2\text{O}_7/\text{CaO} = 1/2/1$ , was used in certain ratios with glass-forming additives, such as sand and soda, for preparation of a series of specimens, the durability of which was tested by the powder method in neutral ( $\text{H}_2\text{O}$ ), acid (0.1 N  $\text{HCl}$ ), and alkaline (0.1 N  $\text{NaOH}$ ) media. The temperature of the medium was 90C, and the testing time, 2 hr. The optimum melting temperature, time, and powder-to-additive ratio depend on the ability of heavy-metal oxides to form glass with the additives. This ability depends on the viscosity of the melt, which in turn depends on the  $\text{SiO}_2$  and  $\text{Na}_2\text{O}$  content. It was found that a powder-to-additive ratio of 1.85, a melting temperature of 1200C, and melting time of 2 hr were necessary to produce a glass satisfactorily binding heavy metals and, consequently, with good durability. The contents of  $\text{SiO}_2$  and  $\text{Na}_2\text{O}$  in such a glass were 50% and 15%, which was considered an optimum composition. Dropping the melting temperature to 1100C required a longer melting time — up to 6 hr — in order to improve the chemical durability of these glasses. Further experiments were conducted in order to decrease the melting temperature by replacing  $\text{SiO}_2$  with fluxes such as  $\text{B}_2\text{O}_3$  (as boric acid). A decrease of 150C in melting temperature was achieved. Attempts to enhance the chemical durability of the glass by introducing  $\text{Al}_2\text{O}_3$  failed. Thus, the optimum conditions for

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L 17893-63

ACCESSION NR: AP3005221

manufacturing the required glass could be summarized as follows: melting temperature, 1050C; melting time, 3-6 hr; ratio of powder to additive, 1.85; and composition of the additive, 77%  $\text{SiO}_2$ , 15.4%  $\text{Na}_2\text{O}$ , and 7.6%  $\text{B}_2\text{O}_3$ . The resulting glass contained 50%  $\text{SiO}_2$ , 10%  $\text{Na}_2\text{O}$ , and 5%  $\text{B}_2\text{O}_3$ . The chemical durability of this glass was compared, through testing with the previously mentioned media, with the durability of glass used for manufacturing chemical-resistant laboratory glassware. The glass obtained was comparable in the neutral, better in the alkaline, and more soluble in the acid medium, which can be explained by the presence of heavy-metal oxides. Study of the effect of annealing temperatures (350-900C) and  $\beta$ -radiation indicated that varying the  $\text{SiO}_2$  content cannot prevent crystallization, which is enhanced by  $\beta$ -radiation. Radiation alone, however, caused no crystallization. The composition of the crystallized phase was found by x-ray diffraction to be  $\text{Na}_2\text{O} \cdot 2\text{CaO} \cdot 3\text{SiO}_2$ . The chemical durability of the crystallized glass is lower in the acid medium than that of the original glass. Irradiation decreases this durability still more because of increased crystallization. Orig. art. has: 10 figures and 6 tables.

Card 3/47

GOLOVANOV, Yu.N.; BREZHNEVA, N.Ye.; OZIRANER, S.N.; YEREMIN, A.A.; ZOTOV, V.L.

Mechanism underlying high-temperature volatilization of ruthenium  
coprecipitated with various substances. Atom. energ. 15 no.3:  
219-223 S '63. (MIRA 16:10)

(Ruthenium) (Evaporation)

GOLOVANOV, Yu.N.; BREZHNEVA, N.Ye.; OZIRANER, S.N.; YEREMIN, A.A.;  
ZOTOV, V.L. .

Mechanism underlying the volatilization of cesium coprecipitated  
with double nickel and potassium ferricyanide at high temperatures.  
Atom. energ. 15 no.3:261-262 S '63. (MIRA 16:10)

(Ferrocyanides) (Cesium)

ZAKIROV, R.A.; YEREMIN, A.D.; GOLUSHKO, M.L.; KONONOV, I.M.; MYAKISHEV, I.G.

Our prospects. Zhil.-kóm. khoz. 9 no.1:3-4 '59. (MIRA 12:3)

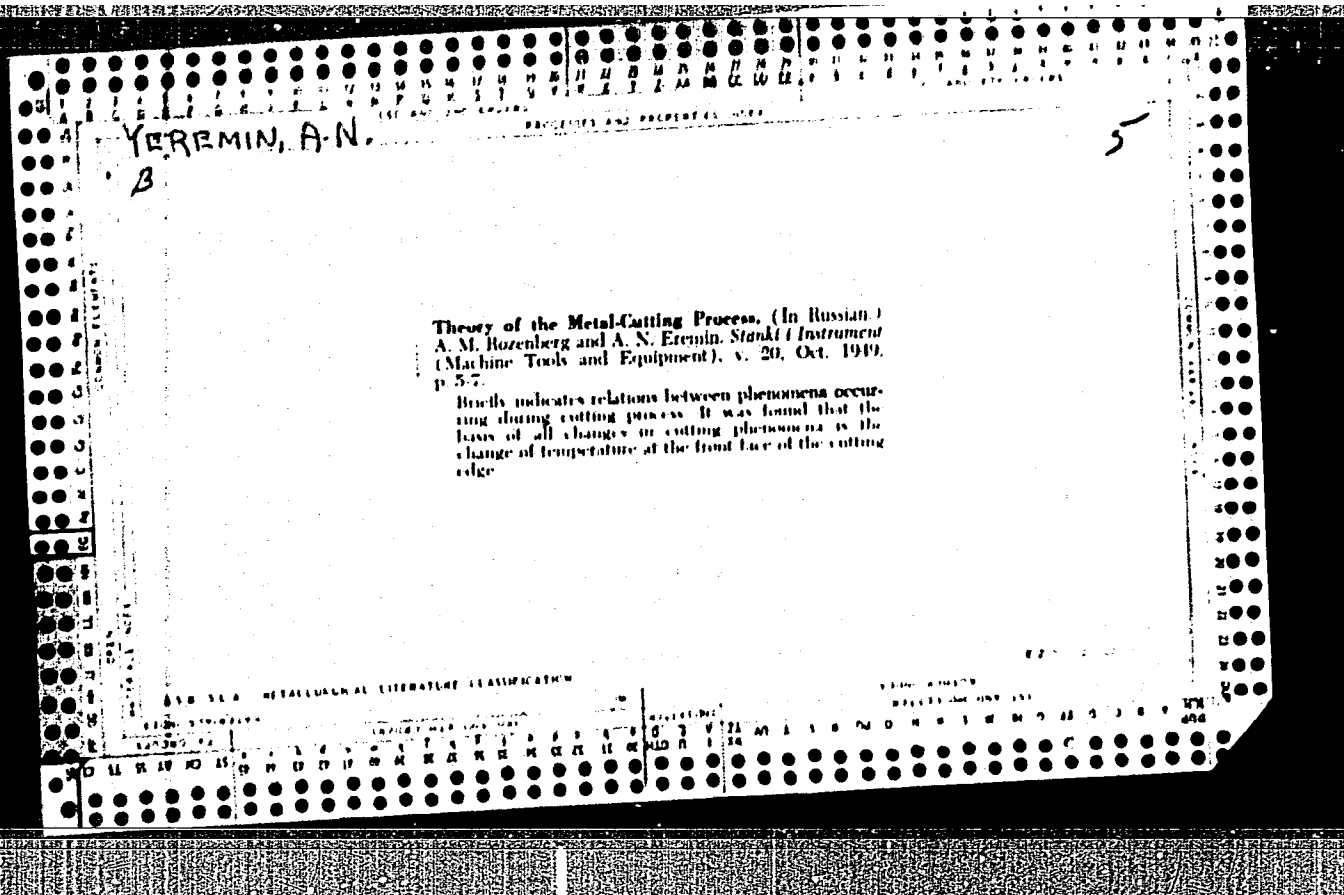
1. Ministr kommunal'nogo khozyaystva Bashkirskey ASSR (for Zakirov).
2. Zaveduyushchiy Khabarovskim kraykomkhozom (for Yerevin).
3. Zaveduyushchiy Amurskim oblkomkhozom (for Golushko).
4. Nachal'nik planovogo otdela Kurganskogo oblkomkhoza (for Kononov).
5. Zaveduyushchiy Murmanskim oblkomkhozom (for Myakishev).

(Municipal services)

KAGAN, M.I.; YUREMIN, A.I.

Drying aspirin on drum-dryers. Med.prom. no.4:13-16 O-D '55.  
(MLRA 9:12)

1. Moskovskiy salitsilovyy zavod  
(ACETYSALICYLIC ACID, preparation of  
drying on drum-dryers)



YEREMIN, A.N., kandidat tekhnicheskikh nauk; GORELOV, V.M., inzhener,  
Patsent; BUKHVALOVA, K.I., inzhener, redaktor; DUGINA, N.A.,  
tekhnicheskiiy redaktor

[Physical characteristics of steel under cutting] Fizicheskaya  
sushchnost' iavlenii pri rezanii stalei. Moskva, Gos. nauchno-  
tekh. izd-vo mashinostroit. lit-ry, 1951. 225 p. [Microfilm]  
(Metal cutting) (Steel) (MIRA 9:9)

YEREMAN N.N.

POPOV, V.A., laureat Stalinskoy premii; YEREMIN, A.N., kandidat tekhnicheskikh nauk, retsenzent; SHAKHRAY, M.L., professor, redaktor; DUGINA, N.A., tekhnicheskiy redaktor.

[Surface quality in face milling] Kachestvo poverkhnosti pri tortsevom frezerovanii. Moskva, Gos. nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1952. 138 p. [Microfilm] (MLRA 7:10)  
(Milling machines) (Surfaces (Technology))



YEREMIN, N. N.

B. T. R.  
V.3 No. 3  
Mar. 1954  
Metals- Mechanical  
Working

3925 Theoretical Equation of the Cutting Force. (Russian.) A. M. Rozenberg and A. N. Eremin. *Vestnik Mashinostroyeniia*, v. 33, no. 8, Aug. 1953, p. 55-59. Experimental testing was carried out on several steels. Graphs. 6 ref.

201 5-10-68 A. H. The following  
information is being furnished to you for your information.

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ROZENBERG, Aleksandr Minoyevich; YEREMIN, Aleksandr Nikolayevich; SHABASHOV,  
S.P., kandidat tekhnicheskikh nauk, retsenzent; GORELOV, V.M., inzhener,  
nauchnyy redaktor

[Elements of the theory of the process of metal cutting] Elementy  
teorii protsessa rezaniya metallov. Moskva, Gos. nauchno-tekhn.  
izd-vo mashinostroit. lit-ry, 1956. 318 p. (MLR 9:12)  
(Metal cutting)

YEREMIN, Aleksey Petrovich [deceased]; CHAPLYGIN, Dmitriy Vladimirovich;  
BEKERMANN, R.Ye., red.; VORONIN, K.P., tekhn. red.

[Transportation of large amounts of concrete in hydraulic construction] Transport massovogo betona v gidrotekhnicheskom stroitel'stve.  
Moskva, Gos. energ. izd-vo, 1961. 114 p. (MIRA 14:10)  
(Concrete—Transportation) (Hydraulic structures)

PHASE I BOOK EXPLOITATION

SOV/5489

Moscow. Inzhernerno-fizicheskiy institut.

Avtomatika i telemekhanika; sbornik statey (Automation and Remote Control; Collection of Articles) no. 1. Moscow, Atomizdat, 1960. 98 p. 8,000 copies printed.

Sponsoring agencies: Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya RSFSR and Moskovskiy inzhenerno-fizicheskiy institut.

Resp. Ed.: B.M. Stepanov, Doctor of Physical and Mathematical Sciences, Professor; Ed.: A.F. Alyab'yev; Tech. Ed.: S.M. Popova.

PURPOSE: This collection of articles is intended for scientific and technical personnel working in the fields of automation and telemechanics, experimental physics, and other applied sciences. It may be helpful to students in advanced courses in these fields at schools of higher education.

Card 1/4

Automation and Remote Control (Cont.)

SOV/5489

COVERAGE: The articles were written by staff members of the Kafedra avtomatiki i telemekhaniki Moskovskogo inzhenerno-fizicheskogo instituta (Automation and Telemechanics Department of the Moscow Engineering Physics Institute). The following topics are discussed: basic problems in the designing and operation of automatic starting systems of nuclear reactors; a method for taking logarithms of currents over a broader range than conventional methods, based on utilizing the voltampere characteristic of vacuum tube diodes, permit; an analysis of the time characteristic of logarithmic devices; the possibility of obtaining relaxation operating conditions in circuits containing nonlinear capacitances; a study of the circuit of a passive four-terminal RC network; the description of a multi-channel pulse-amplitude analyzer; and the possibility of utilizing a two-phase induction machine with a squirrel-cage rotor under tachometer-generator conditions. No personalities are mentioned. References accompany most of the articles.

Card 2/4

Automation and Remote Control (Cont.)

SOV/5489

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JP/dfk/bc  
8-29-61

ARHANGEL'SKIY, I.A.; YERKHIN, A.S.; STEPANOV, B.M.

Logarithmic characteristics of large currents. Avtor. i telov.;  
sp. sv. no. 1:44-48 1983. (NIA 14:11)

1. Kafedra avtomatiki i telemekhaniki Moskovskogo inzhenerno-  
fizicheskogo instituta.

(Electric measurements)

(Nuclear reactors--Measurement)

VLASOV, V.S.; YEREMIN, A.S.; ROZOV, B.S.

Measurement of the current amplification factor of a transistor.  
Izm.tekh. no.3:46-47 Mr '63. (MIRA 16:4)  
(Transistors)

BULGAKOV, V.A.; YEREMIN, A.S.; ROZOV, B.S.

Precision summing transistor amplifier. Izv. tekhn. no.6:  
38-41 Je '63. (MIRA 16:8)

(Transistor amplifiers)

L 11375-63

BDS

S/120/63/000/002/021/041

45

AUTHOR: Yeremin, A. S., and Rozov, B. S.

TITLE: Transistorized switching circuits

PERIODICAL: Pribery i tekhnika eksperimenta, March-April 1963, v. 8, no. 2, 90-92

TEXT: This article partially satisfies the need for publication of detailed data on Soviet transistors operating with small voltages and currents and gives experimental characteristics for transistors in a switching circuit. The dynamic range of the switch is at least 500. The switch transient is no more than 1.5  $\mu$ sec and the delay is 5  $\mu$ sec. A circuit for switch control is given. There are seven figures.

SUBMITTED: May 22, 1962

ja/llh  
Card 1/1

YEREMIN, A.S.; ROZOV, B.S.

Nonlinearity of pulse amplifiers. Elektrosvaz' 17 no.8:72-73  
Ag '63. (MIRA 16:8)  
(Amplifiers (Electronics)) (Pulse techniques (Electronics))

YEREMIN, A.S.; ROZOV, B.S.

Measurement of the charge of short current pulses. Radiotekh.  
1 elektron. 8 no.11:1878-1880 N '63. (MIRA 17:1)

ACCESSION NR: AP4018374

S/0120/64/000/001/0100/0102

AUTHOR: Vlasov, V. S.; Yereimin, A. S.; Rozov, B. S.

TITLE: Precision pulse amplifier units

SOURCE: Pribery\* i tekhnika eksperimenta, no. 1, 1964, 100-102

TOPIC TAGS: amplifier, pulse amplifier, transistorized pulse amplifier, parallel feedback transistorized amplifier, precision transistorized amplifier

ABSTRACT: Transistorized amplifier units intended for experimental physics purposes are briefly described; their gain is from 1 to 20; leading-edge pulse time, 0.1 microsec or shorter; amplitude-characteristic nonlinearity, 0.2% or less. The effect of temperature on a P401 transistor gain is presented, simplified circuit diagrams of 3- and 4-transistor units are shown, and hints as to the most suitable application of current-feedback and voltage-feedback amplifiers are supplied. Orig. art. has: 4 figures and 2 formulas.

Card 1/2



ACCESSION NR: AP4018374

ASSOCIATION: Moskovskiy inzhenerno-fizicheskiy institut (Moscow Engineering and Physics Institute)

SUBMITTED: 01Feb63

DATE ACQ: 18Mar64

ENCL: 00

SUB CODE: GE

NO REF SOV: 000

OTHER: 001

Card 2/2

YEREMIN, A.S.; MALYSHEV, I.V.; ROZOV, B.S.

Stabilization of the initial current in a logarithmic diode. Prib.  
i tekhn. eksp. 9 no.1:208-209 Ja-F '64. (MIRA 17:4)

1. Moskovskiy inzhenerno-fizicheskii institut.

ACCESSION NR: AP4038635

S/0109/64/009/005/0780/0783

AUTHOR: Yeremin, A. S.

TITLE: Noise in a parallel-feedback amplifier

SOURCE: Radiotekhnika i elektronika, v. 9, no. 5, 1964, 780-783

TOPIC TAGS: amplifier, electronic amplifier, negative feedback amplifier, parallel feedback amplifier, nuclear spectrometry, nuclear counter

ABSTRACT: Formulas are developed for thermal noise, grid-current (conductance) noise, shot noise, and flicker noise occurring in a parallel negative-feedback amplifier intended for current-pulse-type input. The noise due to the input circuit, feedback, and the first tube is considered separately from the noise due to other stages. All formulas valid for the amplifier with the first tube of anode-output type can be extended over the case of the first tube of cathode-output type. Orig. art. has: 1 figure and 17 formulas.

ASSOCIATION: none

SUBMITTED: 11Apr63

DATE ACQ: 05Jun64

ENCL: 00

SUB CODE: EC, NP

NO REF SOV: 002

OTHER: 002

Card 1/1

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001962720009-5

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001962720009-5"

YEREMIN, A.S.

Noise in an amplifier with parallel feedback. Radiotekh. i  
elektron. 9 no.5:780-783 My '64. (MIRA 17:7)

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001962720009-5

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001962720009-5"

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CIA-RDP86-00513R001962720009-5

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001962720009-5"

VLASOV, V.S.; YEREMIN, A.S.; ROZOV, B.S.; SARAYEV, I.P.

Electron. tube-transistor amplifying sections with parallel  
feedback. Prib. i tekhn. eksp. 9 no.5:139-142 9-0 '64.

(MIRA 17:12)



YEREMIN, A.S.; MIKHEYEV, V.P.; KOZOV, B.S.

Controlled pulse integrating amplifier. Prib. 1 tekhn. eksp.  
9 no.5:148-149 S-O '64. (MIRA 17:12)

YEREMIN, A.S.; ROZOV, B.S.

Dependence of the amplification of transistors on the emitter  
current. Elektrosviaz' 18 no.10:76-77 0 '64. (MIRA 17:12)

L 04432-67 EWT(1)

ACC NR: AP6014228

SOURCE CODE: UR/0115/66/000/003/0053/0055

AUTHOR: Yeremin, A. S.; Nenarokov, D. F.; Rozov, B. S.

33  
E

ORG: none

TITLE: Measuring integrating amplifier 75

SOURCE: Izmeritel'naya tekhnika, no. 3, 1966, 53-55

TOPIC TAGS: electronic amplifier, transistorized amplifier, measuring amplifier, integrating amplifier

ABSTRACT: Well-known design formulas for a transistorized integrating amplifier are written. The integrator scale factor  $\gamma = 1/R_1 C_{osc} = e_{out}/S_{in}$ . A 4-transistor capacitor-stabilized amplifier circuit having an estimated  $\gamma = 956$  per sec and a time constant  $T = 0.1$  sec was experimentally investigated. Exponential skirt pulses were applied to the amplifier, and the square output

Card 1/2

UDC: 621.375.4

L 04432-67

ACC NR: AP6014228

pulses were measured by an oscilloscope acting as a balance detector. The measured value was  $\delta = 949$  per sec. Experimental  $\delta/\delta_0$  characteristics, where  $\delta_0$  is a certain value of  $\delta$  for constant  $T_1$  and  $T_2$ , exhibit high linearity of the amplifier. Transistor replacements had very little effect on  $\varphi_{out}$ . The emitter-follower 4-transistor amplifier has the advantage of a very short transient time: 1/6 to 1/5 that of a 3-transistor amplifier. Orig. art. has: 3 figures, 12 formulas, and 1 table.

SUB CODE: 09 / SUBM DATE: none / ORIG REF: 001

*sum*  
Card 2/2