

STEPANOV, V.Ye., inzh.; CHEBOTAREV, Yu.P., inzh.

Dispatcher communication apparatus with harmonic selective
signaling. Avtom., telem. i svyaz 2 4:16-20 Ap '58.

(Railroads--Signaling) (Oscillators, Electron) (MIRA 12:12)

CHEBOTAREV, Yu.P., inzh.

Choosing parameters for telephone equipment to be used in train
dispatching communication systems. Vest. TSNII MPS 17 no.1:40-45
F '58. (MIRA 11:3)
(Railroads--Telephone) (Railroads--Train dispatching)

CHEBOTAREV, Yu. P., Candidate Tech Sci (diss) -- "Investigation of the basic electrical characteristics of train dispatcher communications and ways of improving them". Moscow, 1959. 10 pp (Min Transportation USSR, All-Union Sci Res Inst of Railroad Transport), 150 copies (KL, No 24, 1959, 143)

CHEBOTAREV, Yu.P., inzh.

Methods of equalising transmission levels in dispatcher circuits. Vest.
TSNII MPS 18 no.1:44-47 F '59. (MIRA 12:3)
(Railroads--Train dispatching)
(Electric circuits)

CHEBOTAREV, Yu.P., insh.; STEPANOV, V.Ye., insh.

Duplex amplifiers without differentiating systems. Avtom.
telen. i svias 3 no.9:7-11 8 '59. (MIRA 13:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut shalez-
nodorozhnogo transporta.
(Transistor amplifiers)

CHEBOTAREV, Yu.P., kand. tekhn. nauk; STEPANOV, V.Ye., inzh.

Amplifiers without differentiating systems operating in dispatcher
networks. Avtom. telem. i svyaz' 3 no.11:10-13 N '59 (MIRA 13:3)
(Transistor amplifiers) (Railroads--Electronic equipment)

S/194/61/000/008/042/092
D201/D304

AUTHOR: Chebotarev, Yu.P.

TITLE: Methods of design and construction of transmission levels diagram for dispatching with intermediate amplifiers

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 8, 1961, 52, abstract 8 V386 (Avtomatika, tele-mekhanika i svyaz', 1960, no. 11, 4-7)

TEXT: Recommendations are given on the design procedure and construction of a transmission levels diagram of dispatching with voice-frequency selective ringing. Provision is made for such systems to have duplexing intermediate amplifiers. The transmission levels of the apparatus connected to the circuit within the amplifying sections, limited by intermediate amplifiers, is made constant and equal to $(P_{\max} - S)$ Nepers. At the output of intermediate points the transmission levels can be made changing in steps. The ✓

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CHEBOTAREV, Yu.P., dotsent

Adjustment of two-way amplifiers without differential systems in
the selector networks. Avtom., telem.i sviaz' 6 no.8:14-17 Ag
'62. (MIRA 15:8)

(Telephone—Equipment and supplies)

CHEBOTAREV, Yuriy Pavlovich; TARASOV, F.G., red.

[Two-way telephone amplifiers (without differential systems); lecture for 6th year students of telecommunication in the field of "Automatic control, remote control, and communication"] Telefonnye dupleksnye usiliteli (bez differentsial'nykh sistem); lektsiia dlia studentov VI kursa spetsial'nosti "Avtomatika, telemekhanika i sviaz'." Moskva, Vses. zaachnyi in-t inzhenerov zhel-dor. transp., 1964. 20 p.
(MIRA 18:4)

CHEBOTAREV, Yuriy Pavlovich; STEPANOV, Vladimir Yevgen'yevich;
TUMARKINA, I.I., red.

[Station selective communication system with voice-
frequency ringing] Postantsionnaia izbiratel'naia sviaz'
s tonal'nym vyzovom. Moskva, Transport, 1965. 79 p.
(MIRA 18:7)

ARTOBOLVSKIY, Ivan Ivanovich, akademik; ~~CHEROTAYNA~~, A.B., redaktor
izdatel'stva; SHEVCHENKO, G.N., tekhnicheskij redaktor

[Mechanisms; a manual for engineers, designers, and inventors]
Mekhanizmy; posobie dlia inzhenerov, konstruktorov i izobretatelei.
Moskva, Izd-vo Akademii nauk SSSR. Vol.4. 1951. 1175 p. [Microfilm]
(Machinery)
(MIRA 10:3)

CH E B O T A R E V A, A. B.

25(2)

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PHASE I BOOK EXPLOITATION

SÖV/3438

Akademiya nauk SSSR. Institut mashinovedeniya

Trudy, tom 1: Vtoraya nauchno-tekhnicheskaya konferentsiya aspirantov i mladshikh nauchnykh sotrudnikov (Transactions of the Institute of Machine Science, Academy of Sciences, USSR, Vol 1: Second Scientific and Technical Conference of Aspirants and Junior Scientific Workers) Moscow, 1959. 182 p. Errata slip inserted. 1,000 copies printed.

Resp. Ed.: A.K. D'yachkov, Doctor of Technical Sciences, Professor;
Tech. Ed.: B.K. Shorin.

PURPOSE: This book is intended for technical personnel engaged in the design of machines and mechanisms.

COVERAGE: This collection of scientific papers, presented at a conference held July 2-3, 1958, deals with the theory of machines and mechanisms, strength of machine parts, friction and wear in machines, and machine-building technology. No personalities

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Transactions of the Institute (Cont.)

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are mentioned. References follow each paper.

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Chebotareva, A.B. The Problem of Classifying Four-bar Linkages
According to the Type of Kinematic Relationships
The author proposes the classification of four-bar linkages into
three main classes. Diagrams of position functions for each
class are presented.

5

Grodzenskaya, L.S. The Design of Bar-linkages With a Dwell for
Automatic Machines

The author describes methods of designing bar-linkages with
dwells. These methods may also be applied in designing other
types of mechanisms with dwells.

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Matevosyan, P.A. Some Problems in Analysis and Synthesis of
Mechanical and Electronic Devices With Closed Circuits

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Transactions of the Institute (Cont.)

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The author presents results of an investigation of complex mechanical and electronic devices used in machine tools and computing mechanisms.

Subbotin, M.I. Investigation of Fluid Damping in Vibration-measuring Instruments

A simple case of fluid damping is investigated. On the basis of the results obtained an improved design for accelerometers is proposed.

53

Krasnoshchekov, N.N. Theoretical Basis for Determining Accuracy of Spur Gears With M.L. Novikov Tooth Action

65

Korablev, S.S. Investigation of Resonance Properties of Mechanical Systems

Results of theoretical and experimental investigations of the process of transition through resonance in mechanical vibrating systems are presented. The results of an investigation of resonance properties of a centrifugal vibrator with non-linear restoring force are discussed.

75

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Transactions of the Institute (Cont.)

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Rastrigin, L.A. Dynamics of the Transition Through Resonance of Vibrations of Shafts With Different Moments of Principal Inertia, With the Coupling to an Engine Taken Into Account

89

Vibrations of shafts with different principal-inertia moments during transition through the zone of static instability are investigated. Equations of motion and methods for their solution are presented.

Osipov, K.A. Investigating the Process of Producing Splines on Shafts by Broaching or Planing With Gang Tools

101

Basic theoretical considerations on the selection of methods for cutting splines in shafts are developed. Broaching and planing are experimentally investigated and recommended as the most efficient methods for cutting splined shafts in large-lot and mass production.

Komarov, L.Ye. Investigation of Methods of Compacting Casting Molds

121

The effect of vibrations on the process of compacting molds by compression is investigated. Results indicate that vibrations

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make it possible to obtain uniformity of density at compression pressures several times lower than those used in compacting without vibration.

Demkin, N.B. Investigation of Contact Areas of Rough Surfaces 131
The relationship between the actual contact area (consisting of elastic and plastic contact areas), the surface roughness, and the material properties of two surfaces in contact is investigated. Results indicate that the size of the actual contact area is considerably affected by the geometry of the surface.

Krashchin, M.D. Investigation of the Accuracy of Determining Wear by the Method of Crescent-shaped Indentations 143
An experimental investigation was made of the accuracy of determining metal wear by the indentation method, involving measurement of the length and calculation of the reduction of depth of a crescent-shaped recess cut into the metal surface. The method of investigation and the special instruments used are described.

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Transactions of the Institute (Cont.)

SOV/3438

Makhovenko, A.I. Investigation of Lubricant Circulation in a Model of the Oil Bath of a Vertical-pivot Thrust Bearing Used in Large Hydraulic Turbines

155

Lubricant flow in the bath and between shoes of a thrust bearing (without cooling) was investigated by a thermo-anemometric method. A testing machine, built for this purpose at the Hydrodynamic Friction Laboratory, Institut mashinovedeniya, AN SSSR (Institute of Machine Science, Academy of Sciences, USSR), is used. The results of the investigation are described.

Khurshudov, G.Kh. Investigation of Stresses in Frames With Plate-like Cross Beams

167

The author discusses an experimental and theoretical investigation of stresses in composite and solid frame structures. The non-linear distributions of stresses and strains are shown in diagrams.

AVAILABLE: Library of Congress

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VK/jb
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CHEBOTAREVA, A.B.

~~Classification of hinged four-link mechanisms according to~~
their kinematic dependences. Trudy Inst. mash. 1:5-21 '59.
(MIRA 12:12)

(Links and link motion)

CHEBOTAREVA, A. I.

"Water Engineering Construction in the USSR and the Tasks of Hydrology"
by S.N. Kritskiy, M.F. Menkel' and A. I. Chebotareva

report presented at the 3rd All-Union Hydrological Congress, 7-17 Oct 1957,
Leningrad.

(Izv. Ak Nauk SSSR, ser geograf., 3, pp3-9, '58)

MARKMAN, A.L., doktor khim.nauk; CHEBOTAREVA, A.P.; USMAIBEKOVA, U.

Increasing the oil content of cottonseeds. Masl.-zhir.prom.
26 no.2:11-13 F '60. (MIRA 13:5)

1. Sredneaziatskiy politekhnicheskiy institut.
(Cottonseed oil)

MARKMAN, A.L., doktor khim.nauk; KUCHKAREV, A.B., doktor khim.nauk;
SALIMOVA, Kh., kand.tekhn.nauk; BEGIL'MAN, B.L., inzh.; KONEVA,
Ya.A., inzh.; CHEBOTAREVA, A.P., inzh.; MASTOV, A.N., inzh.

More about technical specifications for cottonseeds. Masl.-shir.
prom. 26 no.12:5-9 D '60. (MIRA 13:12)

1. Sredneaziatskiy politekhnicheskiy institut (for Markman, Kuchkarev, Salimova).
2. Sredneaziatskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta shirov (for Begil'man, Koneva, Chebotareva).
3. Uzgipropishcheprom (for Mastov).
(Cottonseed)

MARKMAN, A.L., doktor khim.nauk; KATS, B.A., kand.tekhn.nauk; CHEBOTAREVA, A.P.;
DUBROVINA, M.N.; USMANBEKOVA, U.

Raising the oil content of cottonseeds. Report No.2. Masl.-shir.
prom. 27 no.5:18-20 My '61. (MIRA 14:5)

1. Akademiya nauk UzSSR (for Markman). 2. Sredneaziatskiy filial
Vsesoyuznogo nauchno-issledovatel'skogo instituta shirov (for Kats,
Chebotareva, Dubrovina, Usmanbekova).
(Cottonseed)

KATS, B.A., kand.tekhn.nauk; CHEBOTAREVA, A.P., inzh.; DUBROVINA,
M.N., inzh.

Increasing the oil content of cottonseed. Report no.3. Masl. -
zhir. prom. 27 no.8:14-15 Ag '61. (MIRA 14:8)

1. Sredneaziatskiy filial Vsesoyuznogo nauchno-issledovatel'skogo
instituta zhirov.

(Soviet Central Asia--Cottonseed)
(Cotton--Varieties)

BLAGODYR', A.P.; CHEBOTAREVA, A.P., inzh.; DUBROVINA, M.N. inzh.

Effect of irrigation norms and the amount of fertilizers on
the oil content of cottonseed. Masl. - zhir. prom. 27 no.8:
16-19 Ag '61. (MIRA 14:8)

1. Zadar'inskiy khlopkovyy gosser'touchastok (for Blagodyr').
2. Sredneaziatskiy filial Vsesoyuznogo nauchno-issledovatel'skogo
instituta zhirov (for Chebotareva, Dubrovina).
(Cotton--Fertilizers and manures)
(Cotton--Irrigation)

KATS, B.A., kand.tekhn.nauk; CHEBOTAREVA, A.P., inzh.; DUBROVINA, M.N., inzh.

Evaluating the quality of oil in cottonseeds according to their defectiveness. Masl.-zhir. prom. 27 no.9:9 S '61. (MIRA 14:11)

1. Sredneaziatskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta zhirov.

(Cottonseed oil)

GAN, A.I., kand.tekhn.nauk; CHEBOTAREVA, A.P.

Losses of dry substances during the heating of cotton meal and oil cake. Masl.-zhir.prom. 30 no.2:13-14 F '64. (MIRA 17:3)

1. Sredneaziatskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta zhirov.

MIKHAYLOV, Igor' Georgiyevich; SOLOV'YEV, Viktor Aleksandrovich;
SYRNIKOV, Yuriy Pavlovich; KAL', M.M., red.; CHEBOTAREVA,
A.V., red.

[Fundamentals of molecular acoustics] Osnovy molekuliarnoi
akustiki. Moskva, Nauka, 1964. 514 p. (MIRA 17:10)

TSVETKOV, V.N.; ESKIN, V.Ye.; FRENKEL', S.Ya.; CHEBOTAREVA, A.V.,
red.

[Structure of macromolecules in solutions] Struktura makromolekul v rastvorakh. Moskva, Nauka, 1964. 719 p.
(MIRA 18:2)

SHTEPA, Nikolay Ivanovich, kand. fizi.-matem. nauk; SERKOV, Vasil'yevich, dots.; KROL', Abram Solomonovich, st. prepod.; MISTYUKOV, Aleksandr Ivanovich, st. prepod.; ARKHANGEL'SKIY, M.M., retsenzent; ALMAZOV, A.B., retsenzent; PERYSHKIN, A.V., retsenzent; CHEBOTAREVA, A.V., red.; VELICHKO, L.L., red.

[Weight and weightlessness; a textbook for the teacher] Ves i nevesomost'; posobie dlia uchitel'ia. Moskva, Prosveshchenie, 1964. 46 p.
(MIRA 17:10)

DERZHAVINA, Mariya Sergeyevna; CHIBOTAREVA, A.V., red.; KORNIEVA, V.I.,
tekhn.red.

[Evening meetings on physics and technology in secondary schools]
Vechera fiziki i tekhniki v srednei shkole. Moskva, Gos.uchebno-
pedagog.izd-vo M-va prosv.RSFSR, 1960. 121 p.

(Physics--Study and teaching)

(MIRA 14:1)

BUBLEYNIKOV, Feofan Dmitriyevich; MINCHENKOV, Yevgeniy Yakovlevich; CHEBOTA-
REVA, A.V., red.; SHCHEPTEVA, T.A., tekhn. red.

[Outline of the development of classical mechanics] Ocherk razvitiia
klassicheskoi mekhaniki. Moskva, Gos. uchebno-pedagog. izd-vo M-va
prosv. RSFSR, 1961. 221 p. (MIRA 14:11)
(Mechanics)

ARKHANGEL'SKIY, Mikhail Mikhaylovich; PAVLENKO, A.A., dots., retsen-
zent; BESSONOV, I.I., dots., retsenzent; CHEBOTAREVA, A.V.,
red.; KARPOVA, T.V., tekhn. red.

[Course in physics; mechanics] Kurs fiziki; mekhanika. Moskva,
Gos. uchebno-pedagog.izd-vo M-va prosv. RSFSR, 1961. 407 p.
(MIRA 15:2)

1. Moskovskiy gosudarstvennyy universitet (for Pavlenko).
2. Kirovskiy pedagogicheskiy institut (for Bessonov).
(Mechanics)

CHEBOTAREVA, Alla Vladimirovna; RAYEVA, A.F., red.; TATURA, G.L.,
tekhn. red.

[Teaching of physics in evening (staggered) schools] Pre-
podovanie fiziki v vechernei (smennoi) shkole; sbornik
statei. Moskva, Uchpedgiz, 1963. 250 p. (MIRA 17:1)

GATAULLIN Shavkat Lutfullovich; IVANOV, A.I., retsenzent;
YEGOROVA, Z.F., retsenzent; CHEBOTAREVA, A.V., red.;
KLIMONTOVICH, V.L., red.

[Study of semiconductors in physics course in secondary
schools; manual for teachers] Izuchenie poluprovodnikov
v kurse fiziki srednei shkoly; posobie dlia uchitel'ia.
Moskva, Prosveshchenie, 1964. 73 p. (MIRA 18:1)

ZISMAN, Gersh Abramovich; TODES, Oskar Moiseyevich; CHEBOTAREVA,
A.V., red.

[Course in general physics in 3 volumes] Kurs obshchei fiziki [v trekh tomakh]. Moskva, Nauka. Vol.1. Izd.2. 1964.
339 p.
(MIRA 18:3)

GRABOVSKIY, Mikhail Aleksandrovich, dots.; MLODZEYEVSKIY, Anatoliy Boleslavovich, prof.; TELESNIN, Roman Vladimirovich, prof.; SHASKOL'SKAYA, Marianna Petrovna, dots.; YAKOVLEV, Ivan Alekseyevich, prof.; IVERONOVA, V.I., red.; CHEBOTAREVA, A.V., red.

[Lecture demonstrations in physics] Lektsionnye demonstratsii po fizike. Moskva, Nauka, 1965. 572 p.

(MIRA 18:9)

1. Institut stali i splavov. Moskva (for Shaskol'skaya).

SOBOLEVA, Nina Aleksandrovna; BERKOVSKIY, Arkadiy Grigor'yevich;
CHECHIK, Noson Osherovich; YELISEYEV, Reyngol'd
Yevgen'yevich; ZERNOV, D.V., red.; CHEBOTAREVA, A.V., red.

[Photoelectronic instruments] Fotoelektronnye pribory. Mo-
skva, Nauka, 1965. 592 p. (MIRA 18:12)

VOL'KENSHTEYN, Valentina Sergeyevna; RAYSKAYA, N.A., red.;
CHEBOTAREVA, A.V., red.

[Collection of problems for a general physics course]
Sbornik zadach po obshchemu kursu fiziki. Moskva, Nauka,
1965. 464 p. (MIRA 18:11)

CHEBOTAREVA, A. YA.

"Osteosynthesis of Fractures and Pseudoarthroses of the Neck of the Femur with a Three-Blade Nail." Sverdlovsk Sci Res Inst of Reconstructive Surgery, Traumatology, and Orthopedics of the Min Public Health RSFSR, Chair of General Surgery of the Sverdlovsk State Med Inst (SGMI), Sverdlovsk
(Dissertation for the Degree of Candidate of Medical Sciences)

SO: Knizhnaya Letopis', No. 32, 6 Aug 55

CHEBOTAREVA, E.D.

Diagnostic value of the method for determining the function of the thyroid gland by means of radioactive iodine. Vrach. delo no.6: 68-71 Je '61. (MIRA 15:1)

1. Otdeleniye vnutrennikh i sistemnykh zabolevaniy (rukovoditel' - dotsent B.M.Varshavskiy) Khar'kovskogo instituta meditsinskoy radiologii.

(IODINE ISOTOPES)

(THYROID GLAND)

LIVERGANT, Yu.E.; CHEBOTAREVA, E.D.

Significance of the factors of accumulation and excretion of J^{131}
in radiotherapy for thyrotoxicosis. Med.rad. no.10:11-16 '61.
(MIRA 14:10)

1. Iz otdeleniya vnutremnikh i sistemnykh zabolevaniy (rukovo-
ditel' - dotsent B.M. Varshavskiy) Khar'kovskogo instituta medi-
tsinskoy radiologii i Khar'kovskogo protivozobnogo dispansera.
(THYROID GLAND--DISEASES) (IODINE--ISOTOPES)

CHEBOTAREVA, E.D.

Correlation between erythrocyte and blood plasma radioactivity
as an index of functional state of the thyroid gland. Med.rad.
no.3:6-8 '62. (MIRA 15:3)

1. Iz otdeleniya vnutrennikh i sistemnykh zabolevaniy (zav. -
dotsent B.M. Varshavskiy) Khar'kovskogo instituta meditsinskoy
radiologii.

(THYROID GLAND) (BLOOD PLASMA) (IODINE—ISOTOPES)
(ERYTHROCYTES)

LIVERGANT, Yu.E.; CHEBOTAREVA, E.D.; TARKHANOVA, M.V.

Therapeutic effectiveness of radioiodine in different forms
of thyrotoxicosis. Med. rad. 8 no.7:29-34 J1 '63.

(MIRA 17:1)

1. Iz otdeleniya vnutrennikh i sistemnykh zabolevaniy (zav. -
kand. med. nauk Yu.Ye. Lantodub) Khar'kovskogo instituta
meditsinskoy radiologii.

LIVERGANT, Yu.E.; CHEBOTAREVA, E.D.

Changes in the I^{131} content of the thyroid gland when used for
diagnostic and therapeutic purposes in thyrotoxicosis patients.
Med. rad. 9 no.8:16-18 Ag '64. (MIRA 18:4)

1. Otdeleniye vnutrennikh i sistemnykh zabolevaniy (zav. Yu.Ye.
Landub) Khar'kovskogo instituta meditsinskoy radiologii.

PUDOVIK, A.N.; CHEBOTARKVA, E.G.

Anomalous reaction of phosphites with α -halogenketones. Part 8:
Reactions of mixed phosphites with chloro and dichloro acetone.
Zhur.ob.khim. 28 no.9:2492-2496 S '58. (MIRA 11:11)

1. Kazanskiy gosudarstvennyy universitet.
(Acetone) (Phosphites)

GHEBOTAREVA, E.P. (Ivanovo)

Moral code for building communism and some problems in medical
ethics. Sov. zdrav. 22 no.9:28-32 '63. (MIRA 17:4)

SHEFTEL', I.T., kand.tekhn.nauk; SKOPINA, N.I., inzh.; FILIPPOVA, O.N., inzh.;
CHEBOTAREVA, E.S., inzh.

Quick-response bead-type thermistors. Vest. elektroprom. 34 no.8:71-
73 Ag. '63.

(Thermistors)

(MIRA 16:9)

CHEBOTAREV, G.M.; CHEBOTAREVA, G.P.

Find of anthraxolite in the Uch-Kulach complex metal de-
posit. Zap.Uz.otd.Vses.min.ob-va no.13:134-138 '59.
(MIRA 13:7)

(Usbekistan--Anthraxolite)

CHEKUNOV, V.S.; ARAPOV, V.A.; CHEBOTAREVA, G.P.

Second All-Union Volcanologic Conference. Uzb. geol. zhur. 9
no.2:74-76 '65. (MIRA 18:6)

1. Revizionno-tematicheskaya ekspeditsiya Gosudarstvennogo geo-
logicheskogo komiteta UzSSR.

CHEBOTAREVA, I. I.; GOLUBEV, A. I.;

"Investigation of the Processes of Anodizing Aluminum Alloys in Oxalic Acid,"
Korroziya i azshchita metallov (Corrosion and Protection of Metals), Moscow,
Oborongiz, 1957. 366 p.

PURPOSE: This book is intended for engineering, technical, and scientific personnel, at industrial plants, research institutes, and design offices working in the field of corrosion-protection of stainless steel, high-strength structural steel, and light alloys.

SOV/137-58-10-21376

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 10, p 132 (USSR)

AUTHORS: Chebotareva, I. I., Golubev, A. I.

TITLE: Investigation of the Processes of Anodizing of Aluminum Alloys in Oxalic Acid (Issledovaniye protsessov anodirovaniya alyuminiyevykh splavov v shchhavelevoy kislote)

PERIODICAL: V sb.: Korroziya i zashchita metallov. Moscow, Oborongiz, 1957, pp 342-353

ABSTRACT: In the process of anodizing of Al and its alloys (AMg, AMts, and D16) in 3% oxalic acid a decrease in anode cd is observed. For example, during the anodizing of Al and AlMg for one hour, the cathode cd decreases from 5 to 1.4 amp/dm²; in the course of anodizing of D16, it decreases from 5 to 2.8 amp/dm²; the thinnest films (F) form on the D16 alloy, and the thickest ones on the AMg alloy. The porosity of the anodic films was determined by the gravimetric method, i. e., by filling of the pores with oil. The greatest porosity was observed on D16 alloy and the least on Al. The rate of dissolution was established for the dissolution of oxide F in 3% oxalic acid proceeding simultaneously with its growth. The highest rate of

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Investigation of the Processes of Anodizing of Aluminum (cont.)

dissolution of anodic F was observed for D16, the lowest for Al; this is explained by the different porosity and development of the surface of the F. The electrical insulating properties of the F can be considerably improved by filling the pores with 1154-grade (TUMKhP 1013-43) glyphthalic-oil lacquer.

1. Aluminum alloys--Processing
2. Oxide films--Decomposition
3. Thin films--Porosity
4. Oxalic acid--Performance

L. A.

Card 2/2

CHERBILAEVA, I. I.

35(1)	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	119	121	123	125	127	129	131	133	135	137	139	141	143	145	147	149	151	153	155	157	159	161	163	165	167	169	171	173	175	177	179	181	183	185	187	189	191	193	195	197	199	201	203	205	207	209	211	213	215	217	219	221	223	225	227	229	231	233	235	237	239	241	243	245	247	249	251	253	255	257	259	261	263	265	267	269	271	273	275	277	279	281	283	285	287	289	291	293	295	297	299	301	303	305	307	309	311	313	315	317	319	321	323	325	327	329	331	333	335	337	339	341	343	345	347	349	351	353	355	357	359	361	363	365	367	369	371	373	375	377	379	381	383	385	387	389	391	393	395	397	399	401	403	405	407	409	411	413	415	417	419	421	423	425	427	429	431	433	435	437	439	441	443	445	447	449	451	453	455	457	459	461	463	465	467	469	471	473	475	477	479	481	483	485	487	489	491	493	495	497	499	501	503	505	507	509	511	513	515	517	519	521	523	525	527	529	531	533	535	537	539	541	543	545	547	549	551	553	555	557	559	561	563	565	567	569	571	573	575	577	579	581	583	585	587	589	591	593	595	597	599	601	603	605	607	609	611	613	615	617	619	621	623	625	627	629	631	633	635	637	639	641	643	645	647	649	651	653	655	657	659	661	663	665	667	669	671	673	675	677	679	681	683	685	687	689	691	693	695	697	699	701	703	705	707	709	711	713	715	717	719	721	723	725	727	729	731	733	735	737	739	741	743	745	747	749	751	753	755	757	759	761	763	765	767	769	771	773	775	777	779	781	783	785	787	789	791	793	795	797	799	801	803	805	807	809	811	813	815	817	819	821	823	825	827	829	831	833	835	837	839	841	843	845	847	849	851	853	855	857	859	861	863	865	867	869	871	873	875	877	879	881	883	885	887	889	891	893	895	897	899	901	903	905	907	909	911	913	915	917	919	921	923	925	927	929	931	933	935	937	939	941	943	945	947	949	951	953	955	957	959	961	963	965	967	969	971	973	975	977	979	981	983	985	987	989	991	993	995	997	999
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CHEBOTAREVA, Iraida Ivanovna; SIDEL'NIKOVA, Natal'ya Sergeyevna;
BRUK, E.S., red.; SHILLING, V.A., red.izd-va; BELOGUROVA,
I.A., tekhn. red.

[Introducing the industrial use of electroplated coatings of
tin-nickel alloys] Opyt proizvodstvennogo vnedrenia gal'va-
nicheskogo pokrytiia splavom olovo-nikel'. Leningrad, 1962.
20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy.
Obmen peredovym opytom. Seriya: Zashchitnye pokrytiia metal-
lov, no.9) (MIRA 16:3)

(Electroplating) (Tin-nickel alloys)

ACC NR: AM6030414

Monograph

UR/

Chebotareva, Irina Ivanovna; Shcherbina, Yuriy Dmitriyevich; Kuznetsov, Yevgeniy Andreyevich

Reliability of potentiometric transducers and its technological provision (Nadezhnost' potentsiometricheskikh datchikov i yeye tekhnologicheskoye obespecheniye) Moscow, Izd-vo "Mashinostroyeniye", 1966. 113 p. illus., biblio. 6800 copies printed.

TOPIC TAGS: potentiometer, aircraft flight instrument, precision instrument industry, aircraft engine instrument, instrumentation satellite, precision potentiometer

PURPOSE AND COVERAGE: The book was written for engineers in the instrumentation industry, designers, design bureaus, and research-laboratory staffs. It deals with problems of aircraft-instrumentation reliability, possible defects in potentiometers, and the connection between these defects and the technology producing them. On the accuracy and reliability of potentiometers depend the accuracy and reliability of aircraft instrumentation in automatic navigation systems which are connected to radio systems and their components. The book analyzes the use in potentiometers of metallic and nonmetallic materials such as glass-fiber--reinforced plastic and glass-ceramics. The author stresses the importance and reliability of windings, etc., and the effect on instruments at

Cord 1/2

ENC. 621 317 707.1

ACC NR: AM6030414

different temperatures. The basic factors which affect potentiometers in service are analyzed. The book was reviewed by V. S. Loktayev. There are 11 references, 8 of which are Soviet.

TABLE OF CONTENTS (abridged)

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- Ch. I. Basic characteristics of potentiometer reliability -- 5
- Ch. II. Frame and base of potentiometers -- 21
- Ch. III. Winding and impregnation of potentiometers -- 37
- Ch. IV. Dressing of potentiometer contact units -- 54
- Ch. V. Assembly of a potentiometric transducer in a device -- 74
- Ch. VI. Use of potentiometers -- 88

References -- 115

SUB CODE: 01, 17/

SUBM DATE: 18Feb66/

ORIG REF: 007/

OTH REF: 004

ANDRYUSHIN, I.A.; ROSHCIN, Yu.V.; CHEBOTAREVA, L.D.; ERIVANSKIY, Yu.A.

Expediency of radiometric dressing of uranium ores and selection of
an optimum separation level during the dressing. Atom. energ. 19 no.1:
79-80 J1 '65. (MIRA 18:7)

L 4389-66 DM

ACC NR: AP5028440

SOURCE CODE: UR/0089/65/019/001/0079/0080

AUTHOR: Andryushin, I. A.; Roshchin, Yu. V.; Chebotareva, L. D.; Erivanskiy, Yu. A. *AB*

ORG: none

TITLE: Expediency of radiometric uranium ore dressing and the choice of the optimum level of separation during dressing

SOURCE: Atomnaya energiya, v. 19, no. 1, 1965, 79-80

TOPIC TAGS: uranium, fissionable metal ore, mining engineering

ABSTRACT: Equations are derived for computing the economic effect of ore concentration, the conditions for expedient and optimum concentration, the optimum level of separation, and the condition for expediency of concentration for optimum technological indices. Orig. art. has: 16 formulas. *[initials]*

SUB CODE: MM, GO, NP / SUBM DATE: 09Sep64 / ORIG REF: 002 / OTH REF: 001

Cond 1/1 *[initials]*

UDC: 622.7:553.495

TURSIN, V.M.; CHEBOTAREVA, L.G.; KOLOTILOVA, N.D.

Synthesis of 2-methyl-4-amino-5-ethoxymethylpyrimidine. Trudy
VNIVI 6:17-20 '59. (MIRA 13:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy vitaminnyy institut.
Sinteticheskaya laboratoriya.
(PYRIMIDINE)

TURSIN, V.M.; CHEBOTAREVA, L.G.; MAKAROVA, L.N.; KOLOTILOVA, N.D.

Production of 2-methyl-4-amino-5-acetamidomethylpyrimidine. Trudy
VNIVI 8:35-38 '61. (MIRA 14:9)

1. Laboratoriya vitaminov kompleksa B Vsesoyuznogo nauchno-issledovatel'skogo instituta.

(Pyrimidine)

TURSIN, V.M.; CHEBOTAREVA, L.G.; BELOUSOVA, L.N.; KOLOTILOVA, N.D.

Synthesis of vitamin B₁. Zhur. prikl. khim. 34 no.1:229-232 Ja
'61. (MIRA 14:1)

(Vitamins—B)

TURSIN, V.M.; CHEBOTAREVA, L.G.; FILONOVA, L.M.; POPOVA, S.M.;
PREOBRAZHENSKIY, N.A.

Lipoic acid. Part 1: Synthesis of racemic lipoic acid and
its derivatives. Zhur. ob. khim. 34 no.11:3662-3664 N '64
(MIRA 18:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy vitaminnyy institut.

CHEBOTAREVA, L.G.; TURSIN, V.M.; LUK'YANOVA, L.V.; PREOBRAZHENSKIY, N.A.

Lipoic acid. Part 2: Synthesis of benzhydryl ammonium salts
of L, α -lipoyl-L-phenylalanine, -L-methionine, and -L-valine.
Zhur. ob. khim. 34 no.11:3665-3667 N '64 (MIRA 18:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy vitaminnyy institut.

CHERBOTAREVA, L.I. (Moskva, TSentr, Armyskiy per. d.y, kv. 58)

Experience in treating seminoma of the testes and its metastases with sarcolysin [with summary in English] Vop.onk. 2 no.3:323-328 '56.

(MLBA 9:10)

1. Iz klinicheskogo otdela Instituta eksperimental'noy patologii i terapii raka ANU SSSR (dir. - chlen-korrespondent ANU SSSR prof. N.N.Blokhin)

(DISGERMINOMA

tests, metastases, sarcolysin ther., p-[N,N-bis(2-chloroethyl)-amino]-phenylalanine)

(PHENYLALANINE, rel. cpds.

p-[N,N-bis(2-chloroethyl)-amino]-phenylalanine, ther. of disgerminoma of testes & metastases)

(TESTS, neoplasms

disgerminoma, metastases, ther., p-[N,N-bis(2-chloroethyl)-amino]-phenylalanine)

USATENKO, Yu.I.; KLIMKOVICH, Ye.A.; CHEBOTAREVA, L.V.

Complex formation of mercury and silver with ethylenethiourea
and their amperometric titration. Ukr. khim. zhur. 30 no.9:
979-983 '64. (MIRA 17:10)

1. Dnepropetrovskiy khimiko-tehnologicheskij institut.

VIZIR, P.Ye. [Visir, P.IE.]; CHEBOTAREVA, M.Ye. [Chebotar'ova, M.IU.]

Dynamics of autoinfection in white mice following X irradiation.
Fisiol. zhur. [Ukr.] 6 no.6:815-818 N-D '60. (MIRA 14:1)

1. Institute of Microbiology of the Ukrainian S.S.R. Academy of
Sciences.

(X RAYS—PHYSIOLOGICAL EFFECT)

(INFECTION)

VIZIR', P.Ye. [Visir, R.IE.]; CHEBOTAREVA, M.Ye. [Chebotar'ova, M.IU.]

Change in the capacity of typhoid bacteria for synthesizing
tryptophan during DNA assimilation. Mikrobiol.zhur. 24 no.3:3-8
'62. (MIRA 15:8)

1. Institut mikrobiologii AN ukrSSR.
(SALMONELLA) (TRYPTOPHAN) (NUCLEIC ACIDS)

VIZIR', P.Ye. [Vizir, P.IE]; CHEBOTAREVA, M.Ye. [Chebotar'ova, M.IU.]

Transformation of Bact. paracoli and Bact. coli under the influence of heterogenous bacterial products under experimental conditions in vivo. Mikrobiol. zhur. 26 no.1:3-8 '64.

1. Institut mikrobiologii AN UkrSSR.

(MIRA 18:11)

1-11605-66 ENT(m)/T/EMP(j) RM
ACC NR: AP6001505 (A)

SOURCE CODE: UR/0191/65/000/012/0063/0064

AUTHORS: Genel', S. V.; Patratiy, A. P.; Komar, S. Sh.; Chebotareva, N. I. 45

ORG: none

TITLE: Change of properties of polymeric films during accelerated aging B

SOURCE: Plasticheskiye massy, no. 12, 1965, 63-64

TOPIC TAGS: packing material, polyethylene plastic, polyvinyl chloride, thermal aging, permeability measurement, tensile strength

ABSTRACT: ^{15.44, 55} Polyethylene films of low and high density, ¹⁵ polyvinyl chloride, and cellophane polyethylene films, utilized as a preferred packing material, have been tested under conditions of long storage at variable temperatures and humidity. Experiments duplicated conditions of moist tropical climate and were conducted (in cycles) for 6 months. The test conditions were: temperature of +50C at relative humidity of 98% was maintained for 8 hours, then for 16 hours with the same humidity but at temperatures of 20 to 24C. The cycles were repeated 25 times within each month. One month was devoted to testing at -40C. Properties observed were: appearance, elasticity, steam permeability, water permeability, and tensile strength. It was determined that the tensile strength and elasticity of the films did not change to any significant extent. Steam permeability of polyethylene films increased by

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UDC: 678.01:027.5--539.389

I 14605-66

ACC NR: AP6001505

a factor of 2.5, of polyvinylchloride film by a factor of 4, and of cellophane-polyethylene by 25%. Water permeability of most films dropped to 1/2, but did not change at all in some films. At low temperatures, the steam permeability increased slightly, while the water permeability generally decreased. Orig. art. has: 7 tables.

SUB CODE: 07/ SUBM DATE: none/ ORIG REF: 004

TS
Card 2/2

CHEBOTAREVA, N.M.
CHEBOTAREVA, N.M.

Clinical aspects of cysticercosis of the brain. Vop. neurokhir. 21
no. 6:44-45 N-D '57. (MIRA 11:2)

1. Novosibirskiy institut ortopedii, travmatologii i vosstanovitel'-
noy khirurgii.

(BRAIN, dis.

cysticercosis, clin. aspects)

(CYSTICERCOSIS

brain, c.in. aspects)

CHEBOTAREVA, N. M., Cand Med Sci -- (diss) "Primary-delay suture of a nerve under the protection of penicillin. (Experimental-morphological research)." Novosibirsk, 1960. 18 pp; (Novosibirsk State Medical Inst); 340 copies; price not given; (KL, 17-60, 173)

CHEBOTAREVA, N.M.

Primary delayed suture of nerve under the prophylactic action of
penicillin; experimental study. Voen.-med. zhur. no.3:52-55 Mr
'60. (MIRA 14:1)
(NERVES, PERIPHERAL--SURGERY) (PENICILLIN)

CHEBOTAREVA, N.M., kand. med. nauk; SLOVNIKOV, B.I.; KUZNETSOV, D.I.

Characteristics of pathophysiological shifts during an experimental operation for the removal of an intracerebral hematoma using certain types of anesthesia. Trudy Inst. im. N.V. Sklif. 8:35-42 '63. (MIRA 18:6)

1. Moskovskiy oblastnoy nauchno-issledovatel'skiy klinicheskiy institut i Novosibirskiy nauchno-issledovatel'skiy institut travmatologii i ortopedii.

CHENHOTAREVA, N. S.

25581

Granitsa Rasprostraniya L'dov v Techniye Moskovskoy Stadii Dneprovskogo Oledeneniya.
Voprosy Geografii, SB. 12, 1949, s. 133 - 66. -- "Ibliogr: s. 165 - 66.

SO: LETOPIS No. 34

CHEBOTAREVA, N.S.

Interglacial deposits of the Likhvinian stage in the vicinity of the town of
Galich. Izv. AN SSSR. Ser. geog. no. 4:52-60 J1-Ag '53. (MLBA 6:8)

1. Nauchno-issledovatel'skiy institut geografii Moskovskogo gosudarstvennogo
universiteta imeni M.V. Lomonosova.

(Galich--Drift) (Drift--Galich)

CHEBOTAREVA, N.S.

Dispersion of ice during the Moscow stage of the Dnieper glaciation. Biol.
Kom.chetc.per. no.17:76-90 '53. (MIRA 6:11)
(Glacial epoch)

CHEBOTAREVA, N.S.; KUPRINA, N.P.; KHOROVA, I.M.

Geomorphology and stratigraphy of the quaternary deposits in the
middle Lena and lower Aldan Valleys. Izv. AN SSSR. Ser. Geog. no.3:
60-71 My-Je '57. (MIRA 10:12)

(Lena Valley--Physical geography)
(Aldan Valley--Physical geography)
(Geology, Stratigraphic)

AUTHOR: Chebotareva, N.S. SOV-10-58-4-26/28

TITLE: A Conference on the Paleogeography, Quaternary Geology and Geomorphology of the North-West European Part of the USSR (Soveshchaniye po paleogeografii chetvertichnoy geologii i geomorfologii severo-zapada evropeyskoy chasti SSSR)

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geograficheskaya, 1958, Nr 4, pp 149 - 151 (USSR)

ABSTRACT: On 24-25 March 1958, the Geographical Society of the USSR and the North-West Geological Administration of the Ministry of Geology and Conservation of Mineral Resources convened a conference on the paleogeography, quaternary geology and geomorphology of the north-west European part of the USSR. The conference heard the following reports: N.N. Skolov on "The Contemporary Stage of Investigation of the Relief and Quaternary Sediments of the North-West European Part of the USSR; M.A. Lavrov on "The Stratigraphy of Quaternary Sediments of the Kola Peninsula"; G.S. Biske on "Quaternary Sediments and the Paleogeography of Karelia During the Quaternary Period"; Ye.V. Rukhin on "Genetic Peculiarities of Glacial Deposits of the Kola Peninsula and the Leningrad Oblast"; O.M. Znamenskaya and

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SOV-10-58-4-26/28
A Conference on the Paleogeography, Quaternary Geology and Geomorphology
of the North-West European Part of the USSR

Ye.A. Chermisinova on "The Paleography of the Neva Depression According to Research Studies on the Mga. River";
D.B. Malakovskiy on "The Paleography of the Valday Mountains During the Quaternary Period". The following scientists are also mentioned; N.P. Zagorskaya, S.A. Strelkov and S.L. Troitskiy (co-workers of the NIIGA), Faddeyeva and Vasil'yeva (engineers and geologists), I.I. Krasnov, N.I. Apukhtin, V.L. Kostin, Yu.L. Vil'ter, I.M. Ekman.

1. Geology---USSR 2. Scientific reports

Card 2/2

AUTHORS: Chebotareva, N.S., Kuprina, N.P. SOV/10-58-5-6/28

TITLE: On the History of the Lena Valley (K istorii doliny Leny)

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geograficheskaya, 1958, Nr 5, pp 42-46 (USSR)

ABSTRACT: Data is given on the relief structure of Siberia and in particular on the development of the Lena river valley. The author assumes the ancient origin of the valley. On the basis of the presented material he states that the basic characteristics of the valley structure are determined by the geological-structural peculiarities of the region. With respect to the different ages of various parts of the valley, the age of the oldest terrace is being evaluated as Upper-Tertiary. It can be assumed that the Lena valley was formed at the end of the Neogene period. All existing data on stratigraphy of Cenozoic deposits and the geomorphological peculiarities of the valley structure permit the assumption that its development dates from the end of Tertiary to the beginning of Quaternary.

Card 1/2

On the History of the Lena Valley

SOV/10-58-5-6/28

There is 1 diagram and 16 Soviet references.

ASSOCIATIONS: Institut geografii AN SSSR (Institute of Geography of the
AS USSR)
Geologicheskii institut AN SSSR (Geological Institute of
the AS USSR)

Card 2/2

CHEBOTAREVA, N.S.; NEDOSHIVINA, M.A.; STOLYAROVA, T.I.

New sections with Moscow-Valday (Mikulino) interglacial sediments
on the Bol'shaya Dubenka River near Sosnovka, Kalinin Province.
Izv. AN SSSR. Ser. geog. no.1:124-127 Ja-F '61. (MIRA 14:2)

1. Institut geografii AN SSSR i Geologicheskoye upravleniye Tsentral'-
nykh rayonov.

(Dubenka Valley—Geology, Stratigraphic)
(Moraines)

CHEBOTAREVA, N.S.

Discussion on the delineation of the lower boundary of the
Quaternary and its stratigraphic subdivision. Izv. AN SSSR. Ser.
geog. no. 4:41-44 J1-Ag '61. (MIRA 14:7)
(Geology, Stratigraphic)

CHEBOTAREVA, N.S.; NEDOZHIVINA, M.A.; STOLYAROVA, T.I.

Moscow-Valdoy (Mikulino) interglacial sediments in the upper Volga
Basin and their significance for paleogeography. Trudy Kom.chetv.-
per. no.26:35-49 '61. (MIRA 15:3)
(Volga Valley--Glacial epoch)
(Volga Valley--Paleogeography)

SEREBRYANNYY, L.R.; CHEBOTAREVA, N.S.; FRIDLAND, V.M.

New materials from German researchers on the paleogeography, Quaternary stratigraphy, geomorphology, and the geography of soils. Trudy
Kov.chetv.per. no.26:169-173 '61. (MIRA 15:3)
(Geology)

CHEBOTAREVA, N.S.; SEREBRYANNYY, L.R.; DEVIRTS, A.L.; DOBKINA, E.I.

Absolute age of low river terraces in the central part of the
Russian Plain. Izv. AN SSSR. Ser. geog. no.4:70-74 J1-Ag '62.
(MIRA 16:5)

1. Institut geografii AN SSSR i Institut geokhimii i analiticheskoy
khimii AN SSSR imeni V.I.Vernadskogo.

(East European Plain--Terraces (Geology))
(Geological time)

KORINA, Nadezhda Aleksandrovna; CHEBOTAREVA, Nina Stepanovna;
SHIK, Sergey Mikhaylovich; MARKOV, K.K., doktor geogr.
nauk, otv. red.

[Map of Quaternary sediments in the northwestern part of
the East European Plain on a 1:2,500,000 scale] Karta
chetvertichnykh otlozhenii Severo-Zapada Russkoi ravniny
mashtaba 1:2 500 000. Moskva, Izu-vo AN SSSR, 1962. 13 p.
(MIRA 18:6)

CHEBOTAREVA, N.S.

Boundary of the maximum expansion of the recent ice cap and
some problems of the stratigraphy and paleogeography of the
Upper Pleistocene in the northwestern area of the European
part of the U.S.S.R. Trudy Kom.chetv.per. 19:148-169 '62.

(MIRA 16:1)

(Glacial epoch)

(Geology, Stratigraphic)

(Paleogeography)

CHEBOTAREVA, N.S.; PASYUKOVICH, V.I.

Role of the relief formation of the Valday ice sheet in the
Dvina-Dnieper interfluve. Biul.Kom.chetv.per. no.27:14-20 '62.
(MIRA 16:4)

(Western Dvina Valley--Landforms)
(Dnieper Valley--Landforms)

CHEBOTAREVA, N.S.

Interdepartmental stratigraphic conference on developing the
unified and correlated schemes for Quaternary sediments of the
European U.S.S.R. Izv. AN SSSR. Ser. geog. no.4:152-154 J1-Ag
'63. (MIRA 16:8)
(Russia, Northern--Geology, Stratigraphic)

GERASIMOV, I.P.; CHEBOTAREVA, N.S.

Absolute age of the latest (Valday) glaciation on the northwestern
part of the East European Plain. Izv. AN SSSR. Ser. geog. no.5:
36-44 S-O '63. (MIRA 16:10)

1. Institut geografii AN SSSR.

CHEBOTAREVA, N.S.

International paleontological colloquium on the Pleistocene and
geomorphological excursion through the territory of the German
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