"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REMOROV, P.N.

Kummer's theorem. Uch.zap.Len.un. no.144:26-34 '52.
(Fields, Algebraic) (MLRA 9:6)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REMOROV, P. N.

2

1-F\W

Remorov, P. N. On indeterminate equations of form $x^p+Dy^p=z^p$. Dokl. Akad. Nauk SSSR (N.S.) 106 (1956), 395–398. (Russian)

Math

The author considers the values of the prime $p\geq 3$ and the integer D such that a non-trivial integer solution of $x^p+y^p=Dz^p$ exists and generalizes results about the Fermat case $D=1$. He finds it necessary to restrict D by the condition $\sum f_j^{-1}<1$, where the f_j are the exponents to which the distinct prime divisors of D belong to modulus p. The following results are stated and proofs of (I), (II), (V) are sketched.

(I),
$$\left[\frac{d^{p-1}}{dv^{p-1}}\log(x+e^v y)\right]_{v=0}\equiv\frac{(x+y)^{p-1}-1}{p}\ (p),$$

$$B_n\left[\frac{d^{p-2n}}{dv^{p-2n}}\log(x+e^v y)\right]_{v=0}\equiv 0\ (p)\ (1\leq n\leq\tfrac{1}{2}(p-1))$$

1/2

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

Remorov, P.N.

2

[cf. Kummer, Abh. Akad. Wiss. Berlin 1857, Math. Abh., 41–74]. (II) If $x \not\equiv y$ (p), then

$$3^p - 3 \equiv \frac{5p}{2} \sum_{k=0}^{p-1} (-1)^k k^{p-2} \ (p^2).$$

(III) If $x \equiv y$ (p), then

$$2^{p-1} \equiv D^{p-1} \ (p^2)$$

[cf. Frobenius, S.-B. Preuss. Akad. Wiss. 1914, 653–681]. (IV) There is an N_k such that if $p > N_k$ and the first factor of the class-number of the pth cyclotomic field is exactly divisible by p^k, then $Dxyz(x-y) \equiv 0$ (p) [see the paper reviewed above]. (V) If $x \equiv 0$ (r), $r \not\equiv 1$ (p), then $r^{p-1} \equiv 1$ (p^2).

J. W. S. Cassels.

2/2

MT

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

Remorov, P.N.

16(1) PHASE I BOOK EXPLOITATION SOV/2660

Vsesoyuznyy matematicheskiy s"yezd. 3rd, Moscow, 1956

Trudy. t. 4: Kratkoye soderzhaniye sektsionnykh dokladov. Doklady inostrannykh uchenykh (Transactions of the 3rd All-Union Mathematical Conference in Moscow. vol. 4: Summary of Sectional Reports. Reports of Foreign Scientists) Moscow, Izd-vo AN SSSR, 1959. 247 p. 2,200 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Matematicheskiy institut.

Tech. Ed.: G.N. Shevchanko; Editorial Board: A.A. Abramov, V.G. Boltyanskiy, A.M. Vasil'yev, B.V. Medvedev, A.D. Myshkis, S.M. Nikol'skiy (Resp. Ed.), A.G. Postnikov, Yu. V. Prokhorov, K.A. Rybnikov, P. L. Ul'yanov, V.A. Uspenskiy, N.G. Chetayev, G. Ye. Shilov, and A.I. Shirshov.

PURPOSE: This book is intended for mathematicians and physicists.

COVERAGE: The book is Volume IV of the Transactions of the Third All-Union Mathematical Conference, held in June and July 1956. The book is divided into two main parts. The first part contains summaries of the papers presented by Soviet scientists at the Conference that were not included in the first two volumes. The second part contains the text of reports submitted to the editor by non-Soviet scientists. In those cases when the non-Soviet scientist did not submit a copy of his paper to the editor, the title of the paper is cited and, if the paper was printed in a previous volume, reference is made to the appropriate volume. The papers, both Soviet and non-Soviet, cover various topics in number theory, algebra, differential and integral equations, function theory, functional analysis, probability theory, topology, mathematical problems of mechanics and physics, computational mathematics, mathematical logic and the foundations of mathematics, and the history of mathematics.

Remorov, P.N. (Leningrad). On certain integer indeterminate equations 7

Polosuyev, A.M. (Moscow). The value of trigonometric sums with exponential functions which cannot be improved (DAN SSSR, 104, No. 2, (1955) 8

Section on Algebra

Belousov, V.D. (Bel'tsy). Certain problems of the theory of quasigroups and loops 9

Kargapolov, M.I. (Perm'). Factorization of locally finite groups with finite classes of Sylow subgroups 9

Card 3/34

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REMOROV, P.N.

On the representation of integers as the sum of two powers. Izv. vys. ucheb. zav.; mat. no.1:145-149 '63. (MIRA 16:5)

1. Leningradskiy gosudarstvennyy pedagogicheskiy institut imeni A.I.Gertsena.
(Fields, Algebraic) (Ideals (Algebra))

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REMOROV, P.N.

Indeterminate equations of form $a^P + Db^P = c^P$. Dokl.AN SSSR 106 no.3: 395-398 Ja '56. (MLRA 9:6)

1.Leningradskiy pedagogicheskiy institut. Predstavleno akademikom I.M.Vinogradovym.
(Equations)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

PEGEL', V.A.; REMOROV, V.A.

Effect of cooling and heating of water on the electrocardiogram and oxyhemoglobin content in the blood of fishes adapted to a certain temperature of the environment. Nauch. dokl. vys. shkoly; biol. nauki no.3:54-57 '63. (MIRA 16:9)

1. Rekomendovana kafedroy fiziologii cheloveka i zhivotnykh Tomskogo gosudarstvennogo universiteta im. V.V.Kuybysheva.
(Temperature--Physiological effect)
(Cardiovasuclar system--Fishes)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

PEGEL', V.A.; REMOROV, V.A.; LOPUKHOVA, V.V.

Effect of a change in water pressure on the gas exchange in fishes. Nauch. dokl. vys. shkoly; biol. nauki no.1:62-64 '64. (MIRA 17:4)

1. Rekomendovana kafedroy fiziologii cheloveka i zhivotnykh Tomskogo gosudarstvennogo universiteta im. V.V.Kuybysheva.

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REMOROV, V.A.

Ability to control the metabolism and body temperature in amphibians. Fiziol. zhur. 49 no.4:[illegible] Ap '63. (MIRA 17:4)

1. From the Department of Physiology, V.V. Kuybyshev University, Tomsk.

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REMOROV, V.A.

Gastric motor function in pikes following vagotomy. Fiziol. zhur. 51 no.5:613-620 My '65. (MIRA 18:6)

1. Kafedra fiziologii cheloveka i zhivotnykh Gosudarstvennogo universiteta imeni Kuybysheva, Tomsk.

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

PEGEL', V.A.; REMOROV, V.A.

Effect of the warming up and cooling of water on gas exchange and lactic acid concentration in the blood of fishes adapted to a definite temperature. Nauch. dokl. vys. shkoly; biol. nauki no. 1:58-61 '61. (MIRA 14:2)

1. Rekomendovana kafedroy fiziologii cheloveka i zhivotnykh Tomskogo gosudarstvennogo universiteta im. V.V. Kuybysheva.
(FISHES--PHYSIOLOGY) (BODY TEMPERATURE--REGULATION)
(ADAPTATION(BIOLOGY))

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

PEGEL, V.A.; REMOROV, V.A.

Physiological mechanism of adaptation of fishes to environmental temperatures. Nauch.dokl.vys.shkoly; biol.nauki no.3:86-89 '59. (MIRA 12:10)

1. Rekomendovana kafedroy fiziologii cheloveka i zhivotnykh Tomskogo gosudarstvennogo universiteta im. V.V.Kuybysheva.
(FISHES) (TEMPERATURE--PHYSIOLOGICAL EFFECT)
(ADAPTATION (BIOLOGY))

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

Human and Animal Physiology - Excretion. V-6

Ref Jour : Ref Zhur - Biol., No 4, 1958, 18246

Author : L.G. Trofimov and V.A. Remorov

Inst : -

Title : A Method for the Electrographic Recording of Urinary Secretion in a Chronic Experiment.

Orig Pub : Biofizika, 1957, 2, 267-269

Abstract : Silver electrodes were fized to the surface of both ureters of a dog, and the wires were brought out through a plexiglass fistula of the abdominal cavity. The biopotentials were recorded on a train or observed visually on a cathode oscillograph. When the ureters contracted peristaltically, at the moment an amount of urine (0.2 to 0.3 ml) passed beneath the electrodes large peaks appeared on the electroureterogram.

Card 1/1

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

TROFIMOV, L.G.; REMOROV, V.A.

Electrographic recording of urine secretion in a nonsurgical experiment [with summary in English]. Biofizika 2 no.2:267-269 '57. (MLRA 10:6)

1. Kafedra fiziologii cheloveka i zhivotnykh Tomskogo gosudarstvennogo universiteta.
(DIURETICS AND DIURESIS) (ELECTROPHYSIOLOGY)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

KOYFMAN, S.I., polkovnik meditsinskoy sluzhby; REMOROV, V.N., podpolkovnik meditsinskoy sluzhby

Clinical aspects and treatment of influenza in 1959. Voen.-med. zhur. no.11:72 N '61. (MIRA 15:6)

(INFLUENZA)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REMOROV, Vladimir Nikolayevich; VENGRANOVICH, A., red.; LEMBERGA, A., tekhn. red.

[Epidemic parotitis in adults; its epidemiology and clinical aspects] Epidemicheskii parotit u vzroslykh; epidemiologiia i klinika. Riga, Izd-vo Akad. nauk Latviiskoi SSR, 1961. 234 p. (MIRA 15:7)

(MUMPS)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REMOV, N.M.

Photomagnetic effect in cuprous oxide at low temperatures. A. P. Komar, N. M. Remov, and S. S. Shalyt (*Dokl. Akad. Nauk SSSR*, 1954, [illegible]). The photomagnetic e.m.f. has been measured at 4·2 and 77°K. in fields of up 24,000 oersteds, and shows good agreement with figures obtained by Engelhardt (1933) at ~80°K.

R. C. MURRAY.

mz 6-13-55

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

VANYUKOV, A.V.; UTKIN, N.I.; REMOV, V.A.

High-temperature laboratory centrifuge. Zav.lab. 25 no.2:222 '59. (MIRA 12:3)

1. Moskovskiy institut tsvetnykh metallov i zolota imeni M.I. Kalinina.
(Centrifuges)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

28(4) SOV/32-25-2-47/78

AUTHORS: Vanyukov, A. V., Utkin, N. I., Remov, V. A.

TITLE: A High Temperature Laboratory Centrifuge (Vysokotemperaturnaya laboratornaya tsentrifuga)

PERIODICAL: Zavodskaya Laboratoriya, 1959, Vol 25, Nr 2, p 222 (USSR)

ABSTRACT: A centrifuge has been developed which permits a working temperature of 1400°. As may be seen from the figure (Fig) the centrifuge head turns in an electric stove. It is turned by a 0.52 kw electric motor. The speed may be adjusted to 500,700 and 900 r.p.m., the speed of the motor being 1400 r.p.m. At the upper end of the stove there are two openings. The thermoelements are introduced through one of the openings, while nitrogen containing no oxygen is supplied through the other. Molten slag was centrifuged in the following way: the slag was molten and then centrifuged. When the stove was switched off the centrifuge continued operation until the slag had cooled off and solidified. There is 1 figure.

ASSOCIATION: Moskovskiy institut tsvetnykh metallov i zolota im. M. I. Kalinina (Moscow Institute of Non-Ferrous Metals and Gold imeni M. I. Kalinin)

Card 1/1

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

SOV/137-57-10-19189

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 10, p 107 (USSR)

AUTHOR: Remov, V A.

TITLE: A Contribution to the Question of Production of Bent Sections From Thick Coiled Sheet Steel (K voprosy proizvodstva gnutykh profiley iz tolstolistovoy rulonnoy stali)

PERIODICAL: V sb.: Ratsionalizatsiya profiley prokata. Moscow, Profizdat, 1956, pp 220-224

ABSTRACT: The proposal is made that the hot rolling of shapes (angles, channels, H-shapes, etc.) be replaced by the rolling of thick sheet steel with subsequent cutting at the consumer plants and shaping on bending machines. Bending, it is suggested, should be done with heating of those points in the sheet that are to undergo bending. The fundamental desirable aspects of this process are the accuracy of the shape, the saving of steel, and the reduction in labor.

V.Ya.

Card 1/1

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REMOV, V.A.

[Instructions and assignments for the course "Wooden construction elements" for the major "Industrial and public construction"; course 5.] Metodicheskie ukazaniia i zadaniia po kursu "Dereviannye konstruktsii" dlia spetsial'nosti: "Promyshlennoe i grazhdanskoe stroitel'stvo"; V kurs. Moskva, 1957. 35 p. (MIRA 12:2)

1. Moscow. Vsesoyuznyy zaochnyy inzhenerno-stroitel'nyy institut. (Building, Wooden)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

[illegible], V. [illegible] Lieutenant Colonel of the Medical Service--Clinical Aspects and Treatment of Influenza, 1959. and KOYFMAN, S.I.

Voyenno-Meditsinskiy Zhurnal, No. 11, 1961, pp. 76-79.

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

GORDINA, R.V.; REMOVA, T.N.; LAZAREVA, L.S.

Epidemiology of whooping cough. Zhur. mikrobiol., epid. i immun. 41 no.4:34-39 Ap '64. (MIRA 18:4)

1. Institut epidemiologii i mikrobiologii imeni Gamalei AMN SSSR i Sanitarno-epidemiologicheskaya stantsiya Leningradskogo rayona Moskvy.

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REMOVA, N.

Money instead of assignments. Okhr. truda i sots. strakh. 3 no.7: 39 Jl '60. (MIRA 13:8)
(Labor and laboring classes--Medical care)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REMOVA, N.

For mass readers ("Social insurance in the U.S.S.R." by V.A. Aralov, A.V.Levshin. Reviewed by N.Remova). Okhr.truda i sots.strakh. no.12:74-75 D '59. (MIRA 13:4)
(Insurance, Social) (Aralov, V.A.) (Levshin, A.V.)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REMOVA, N.; SHAKHOV, G.

A bewitched spot; feuilleton. Okhr. truda i sots. strakh. no.4:70-71 Ap '59. (MIRA 12:8)

(Kremenchug--Drug industry)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

KUZNETSOVA, V.N.; KHAZANOV, M.I.; REMOVA, T.N.

Use of bacteriophage titer growth as an indication of dysenterial bacteria in the environment. Zhur. mikrobiol. epid i immun. 31 no.6: 39-43 Je '60. (MIRA 13:8)

1. Iz Instituta epidemiologii mikrobiologii imeni Gamalei AMN SSSR.
(SHIGELLA) (BACTERIOPHAGE)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REMOVA, T.N.

Immunological indices in children inoculated with a combined whooping cough-diphteria vaccine. Zhur.mikrobiol.epid. i immun. 30 no.5:58-61 My '59. (MIRA 12:9)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.

(WHOOPING COUGH, prev. & control,
vacc. with whooping cough-diphtheria polyvaccine (Rus))
(DIPHTHERIA, prev. & control,
same)
(VACCINES AND VACCINATION,
whooping cough-diphtheria vaccine, eff. in child. (Rus))

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

S/016/60/000/06/10/051

AUTHORS: Kuznetsova, V.N., Khazanov, M.I. and Remova, T.N.

TITLE: Using the Phage Titer Rise Test for Detecting Shigella Dysenteriae in the External Environment

PERIODICAL: Zhurnal mikrobiologii, epidemiologii i immunobiologii, 1960, No. 6, pp. 39 - 45

TEXT: The aim of the present work was to determine whether the phage titer rise test could be effectively used to detect Shigella dysenteriae in the external environment, studies being performed under experimental and natural conditions. The investigations showed that the test could be used for detecting Shigella dysenteriae on objects of the external environment. Comparison of the test and the bacteriological method of investigation indicated that the former was more effective in diagnosis. In cases where the results of the phage titer rise test and the bacteriological method of investigation differed, an epidemiological study of the foci of dysentery proved that the former was more specific. The findings therefore indicate that the phage titer rise test can safely be used, together

Card 1/2

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

S/016/60/000/06/10/051

Using the Phage Titer Rise Test for Detecting Shigella Dysenteriae in the External Environment

with other methods, in epidemiological studies. There are 2 tables and 9 Soviet references.

ASSOCIATION: Institut epidemiologii i mikrobiologii imeni Gamalei AMN SSSR (Institute of Epidemiology and Microbiology imeni Gamaleya of the AMN, USSR)

SUBMITTED: August 29, 1959

Card 2/2

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

F

USSR / Microbiology. Microbes, Pathogenic to Man and Animals. General Problems.

Abs Jour : Ref Zhur - Biologiya, No 5, 1959, No. 19541

Author : Gordina, P. V.; Lazurenko, I. S.; Remova, T. N.; Silakova, A. V.; Tsetkov, V. S.

Inst : Not given

Title : The Reaction of Whooping Cough and Whooping Cough-Diphtheria Vaccine

Orig Pub : Zh. mikrobiol., epidemiol. i immunobiol., 1958, No 6, 21-26

Abstract : No abstract given

Card 1/1

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REMOVE, T.N.

Specific Prevention of Pertussis, published by MEDGIZ, MOSCOW, 1958
ed. by M. S. Zakharova, Dir. Lab. of Specific Prophylaxis of Pertussis, Inst. Epidem. and Microbiol. im N.F.Gamaleya, Acad. Medical Sci. USSR

At the scientific conference on the specific prophylaxis of pertussis conducted by the Institute of Epidemiology and Microbiology im. N. F. Gamaleya , Acad. Medical Sci. USSR, together with other Institutes and medical establishments, papers were read by the following: (See Table of Contents)

M. S. Zakharova (Inst. of Epidem. and Microbiol. im. N. F. Gamaleya AMS USSR): Problem of specific prophylaxis of pertussis 3

B. V. Gordina and I. S. Lazurenko (same as Zakharova): Effectiveness of pertussis immunization in epidemiologic observations 19

M. A. Bedzeh'yan (2nd Moscow Med. Inst im N. I. Pirogov): Clinical-epidemiologic effectiveness of the pertussis vaccine in epidemics 29

A. V. Silakova (Inst. of Pediatrics AMS USSR): Clinical study of reactions in children vaccinated with pertussis vaccines 37

T. G. Filosofova et al. (Kiev Inst. of Epidemiol. Microbiol. and Hygiene and Inst. for the Care of Mothers and Children of the Ukrainian SSR): Study of the effectiveness of immunization against pertussis 44

S. G. Kassirskaya and E. I. Brudnaya (Central Scientific Res. Lab. of Hygiene and Epidemiology of the Ministry of Communications USSR): Effectiveness of vaccination with pertussis vaccine among infants in the Moscow Railroad Bay Nursery. 53

B. T. Gras'-Edel'man et al. (Kharkov Scientific Res. Inst. for Vaccines and Sera): Effectiveness of vaccination against pertussis in epidemiologic observation. 59

B. V. Gordina and T. N. Remova (see above): Epidemiologic effectiveness of pertussis-diphtheria vaccination 68

L. A. Sakvarelidze (Republic Sanitary-Epidemiologic Station of the Ministry of Health of the Georgian SSR): Epidemiologic and immunologic effectiveness and reactogenicity of the pertussis-diphtheria vaccine 78

I.P. Vasil'yevset al. (Tomsk Scientific Res. Inst. for Vaccines and Sera): Reactogenicity and epidemiologic effectiveness of adsorbed pertussis-diphtheria and pertussis vaccines 87

N. A. Kosieva (Leningrad Inst. of Epidemiol. Microbiol. and Hygiene im. Pasteur): Data on reactogenicity and immunologic and epidemiologic effectiveness of the pertussis and pertussis-diphtheria vaccine 95

S. S. Fayershteyn et al. (The Central, etc. see Kassirskaya above): Experience in the use of pertussis and pertussis-diphtheria vaccine in Childrens' Institutions of the Railroad Transport System 103

V. A. Kotsofane (Republic Sanitary-Epidemiologic Station of the Moldavian SSR): Study of reactogenicity and epidemiologic effectiveness of pertussis and pertussis-diphtheria vaccine 112

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

GORDINA, R.V., LAZURENKO, I.S., HEMOVA, T.N., SILAKOVA, A.V., TSVETKOV, V.S.

Reactivity induced by whooping cough and whooping cough-diphtheria vaccines. Zhur.mikrobiol.epid. i immun. 29 no.6:21-26 Je '58 (MIRA 11:7)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR i Instituta pediatrii AMN SSSR.
(WHOOPING COUGH, immunology,
whooping cough & whooping cough-diphtheria vaccines, eff. (Rus))
(DIPHTHERIA, immunology,
whooping cough-diphtheria vaccine, eff. (Rus))
(VACCINES AND VACCINATION,
whooping cough & whooping cough-diphtheria vaccines (Rus))

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

GORDINA, R.V.; REMOVA, T.N.

Further studies on the immunity of children vaccinated with whooping cough-diphtheria vaccines. Pediatriia 39 no.4:61-69 Ap '61. (MIRA 14:4)

1. Iz Instituta epidemiologii i mikrobiologii AMN SSSR imeni N.F. Gamalei (dir. S.N. Muromtsev).
(WHOOPING COUGH) (DIPHTHERIA)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REUTOV, O.A.; OSTAPCHUK, G.M.; REMOVA, V.A.

Isomerization of a free dideutero-n-propyl radical in solutions. Izv. AN SSSR. Ser.khim. no.3:519-524 Mr '64. (MIRA 17:4)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

ABRAMOVA, N.A., nauchn. sotr.; VOYEVODSKIY, A.S., nauchn. sotr.; GINZBURG, O.F., doktor khim. nauk; YERSHOVA, Ye.TS., kand. khim. nauk; KOLYCHEV, V.B., nauchn. sotr.; MAR'YANOVSKAYA, K.Yu., nauchn. sotr.; MAZEL', R.L., nauchn. sotr.; MEL'NIKOVA, N.S., nauchn. sotr.; PLATUNOVA, N.B., nauchn. sotr.; REMOZOV, A.L., kand. khim. nauk; UTOCHKIN, V.V., nauchn. sotr.; KHAVIN, Z.Ya., kand. khim. nauk; EFROS, L.S., doktor khim. nauk; NIKOL'SKIY, B.P., glav. red.; RABINOVICH, V.A., kand. khim. nauk, zam. glav. red.; GRIGOROV, O.N., doktor khim. nauk, red.; POZIN, M.Ye., doktor tekhn. nauk, red.; PORAY-KOSHITS, B.A., doktor khim. nauk, red.; RACHINSKIY, F.Yu., kand.khim. nauk, red.; ROMANKOV, P.G., doktor tekhn. nauk, red.; FRIDRIKHSBERG, D.A., kand. khim. nauk, red.; ZONIS, S.A., red.; LEVIN, S.S., tekhn. red.; ERLIKH, Ye.Ya., tekhn. red.

[Handbook of chemistry] Spravochnik khimika. 2. izd., perer. i dop. Leningrad, Goskhimizdat. Vol.2. [Basic properties of inorganic and organic compounds] Osnovnye svoistva neorganicheskikh i organicheskikh soedinenii. 1963. 1167 p. (MIRA 17:3)

1. Chlen-korrespondent AN SSSR (for Nikol'skiy).

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

R[illegible]PE, E.G. and B[illegible]RZOVA, [illegible].

Methods of research on club-shaped bacteria in the root systems of vean plants.

Mikrobiologiya. Vol. 21. P. 416, 1952.

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

Kempe (E. H.) & Sokokina (Mme T. A.). О проникновении бактерий внутрь клеток корня. [Concerning the penetration of bacteria into the cells of the root.] Агробиология [*Agrobiology*], *1950*, 6, pp. 135-138, 5 figs., 1950.

The authors describe some instances of bacteriotrophic nutrition of plants. Both ecto- and endotrophic types were detected. The two groups of bacteria most frequently encountered were *Ps[eudomonas (Bacterium)] radiobacter* and *Bacillus macerans*.

Examination of flax and wheat roots of all ages demonstrated the presence of these bacteria on the surface of the root hairs. When the numbers of bacteria are excessive they cause decay of the roots. Both species are able to penetrate easily into the root hairs, and *B. macerans* into the root tissues.

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

13

CA

The influence of granular superphosphate with and without organic matter on the soil microflora. E. F. Berezova and E. Kh. Remps. *Doklady Vsesoyuz. Akad. Sel'skokhoz. Nauk im. V. I. Lenina* 16, No 4, 3-8(1951). Granular superphosphate mixed with organic materials harbors a huge microflora near its granules. Superphosphate without org. matter favors an increase in microorganisms away from the granules. I. S. Joffe

1951

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REMPE, Ye. Kh.

REMPE, Ye. Kh. - "Basic Factors Involved in the Accumulation and Selection of Microorganisms in the Area of the Root System of a Higher Plant." Sub 19 Apr 52, Inst of Microbiology, Acad Sci USSR. (Dissertation for the Degree of Candidate in Biological Sciences).

SO: Vechernaya Moskva January-December 1952

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

BEREZOVA, YE. F.; KEMPE, YE. KH.

Legumes

Method of investigating nodule bacteria in the root systems of leguminous plants. Mikrobiologiia, 21, no. 4, 1952.

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

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

BELEKHOVA, YE. F., KEMPE, E. KH.

Root-Tubercles

Method of investigating nodule bacteria in the root systems of leguminous plants. Mikrobiologiia 21, no. 4, 1952.

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

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REMPE, E. Kh.

BEREZOVA, E. F. and REMPE, E. KH.

Moscow Department, Institute of Agricultural Microbiology.
"Method of examination of tubercus bacteria in the root system of leguminous plants."
SO: MIKROBIOLOGIA, Vol 21, No. 4, July/Aug 52.

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

KEMPE, E. Kh.

Sorokina, T. A. [Co-author] See: Kempe, E. Kh. "On penetration of Bacteria into Root Cells", 1950/

So: SIRA - Si-90-53, 15 Dec 1953

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REMPE, E. KH.

REMPE, E. KH., and SOROKINA, T. A. "On Penetration of Bacteria into Root Cells," Agrobiologiia, no. 6, 1950, pp. 135-138. 20 Ag822.

So: SIRA SI-90-53, 15 Dec. 1953

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REMPE, E. Kh.

V
AID

Bacteriostatic substances as a factor regulating the type of microflora in the root systems of plants. E. F. Berezova and E. Kh. Rempe. *Trudy Vsesoyuz. Nauch.-Issledovatel. Inst. Sel'skokhoz. Mikrobiol.* 8, 87-95(1953).—Expts. were performed with wheat, fescue grass, timothy grass, alfalfa, beans, clover, flax, rye, oats, and vetch. Root exts. of early growth periods sharply arrested the process of bacterial cellulose decompn. which those of periods of the plant's maturation stimulated and increased the process of bacterial cellulose decompn. The intensity of either the arresting or stimulating influence varied with the plant species. Sugar as a suspected factor in the development of the arresting influence has been ruled out. The presence of cellulose-decompn. arresting or stimulating substances had been demonstrated in the soil surrounding the roots as well as in the roots, indicating that such substances may be exuded by the plant's roots. Of the cereal grasses wheat and of the legumes clover roots produced exts. most intensely bacteriostatic to cellulose decompg. microorganisms. B. S. L.

1

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

BEREZOVA, Ye.F., doktor biologicheskikh nauk; SHAIN, S.S., doktor sel'skokhozyaystvennykh; REMPE, Ye.Kh., kandidat biologicheskikh nauk.

Microflora of the root system of perennial grasses in pure and mixed seedings. Trudy Vses.inst.sel'khoz.mikrobiol. 13:57-66 '53. (Soil microorganisms) (Grasses)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

BEREZOVA, Ye.F., doktor biologicheskikh nauk; REMPE, Ye.Kh., kandidat biologicheskikh nauk.

Bacteriostatic substances as a factor regulating microflora of the root system of plants. Trudy Vses.inst.sel'khoz.mikrobiol. 13:87-95 '53. (MLRA 8:1)
(Bacteriostasis) (Soil microorganisms)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REMPE, Ye.Kh., kandidat biologicheskikh nauk.

Bactericidal substances in the seeds of clover and alfalfa and their importance for the effectiveness of treatment with nitrifying bacteria. Trudy Vses.inst.sel'khoz.mikrobiol. 13:104-107 '53. (MIRA 8:1)

(Bactericides) (Root tubercles)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REMPE, E. Kh.

Composts enriched with nitrogen. E. F. Berezova, M. I. Gusev, E. Kh. Rempe, and N. I. Karpukhina. *Doklady Vsesoyuz. Akad. Sel'skokhoz. Nauk im. V. I. Lenina* 20, No. 4, 22-7(1955).—By adding straw and superphosphate to composts, the N content increases by virtue of anaerobic N-fixing bacteria. J. S. Joffe

(1) D

3

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

USSR/Cultivated Plants - Potatoes, Vegetables, Melons. H-5

Abs Jour : Ref Zhur - Biol., No 9, 1958, 39301

Author : Kempe, Ye. Kh., Gusev, N.I.
Inst : -
Title : The Influence of the Bacterization of Composts and Mixtures on the Yield of Vegetable Crops.

Orig Pub : Vestn. s.-kh. nauki, 1956, No 3, 49-54.

Abstract : Experiments conducted in the laboratory of microbiology of the All-Union Institute of Fertilizers, Soil Science and Agrocultural Engineering, in the Scientific Research Institute of Vegetable Economy RSFSR, and in the Kolkhoz im. Tel'man in the Ramenskiy rayon, Moskovskaya oblast, showed that the bacterization of mixtures utilized for the preparation of peat-humus blocks favorably influences the growth and development of cabbage and tomato seedlings. The highest yield of cabbage was obtained in experiments conducted in 1955 by simultaneously introducing azobacter

Card 1/2

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

BERNARD, V.V., kandidat sel'skokhozyaystvennykh nauk; KEMPE, Ye.Kh., kandidat biologicheskikh nauk; VORONKOVA, Ye.A.

Role of root microflora in plant nutrition. Agrobiologiia no.6:16-21 N-D '56. (MLRA 10:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut udobreniy, agrotekhniki i agropochvovedeniya.
(Rhizosphere microbiology)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

BERNARD, V.V., kandidat sel'skokhozyaystvennykh nauk; REMPE, Ye.Kh., kandidat biologicheskikh nauk; VORONKOVA, Ye.A.

Role of root microflora in plant nutrition. Dokl.Akad.sel'khoz.21 no.12:3-8 '56. (MLRA 10:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut udobreniy i agropochvovedeniya. Predstavlena akademikom T.D.Lysenko.
(Plants--Nutrition) (Rhizosphere microbiology)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

BEREZOVA, Ye.F., REMPE, Ye.Kh., ISELEVA, I.A.

Oligocarbophilic bacteria. Trudy Inst. mikrobiol. no.5:128-135 '58 (MIRA 11:6)

1. Moskovskogo otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo instituta sel'skokhozyaystvennoy mikrobiologii.
(BACTERIA,
oligocarbolic, in soil (Rus))
(SOIL, microbiology,
oligocarbolic bact. (Rus))

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

MOSOLOV, I.V.; REMPE, Ye.Kh.; ALEKSANDROVSKAYA, V.A.

Interrelation between higher plants and micro-organisms. Agrobiologiia no.3:425-430 My-Je '59. (MIRA 12:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut udobreniy i agropochvovedeniya, laboratorii fiziologii pitaniya rasteniy i mikrobiologii.
(Soil micro-organisms) (Botany--Physiology)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REMPE, Ye.Kh., kand. biolog. nauk

Investigating the role of root microflora in the nutrition of plants on sterilized substrata. Agrobiologiia no.4:590-603 Jl-Ag '59. (MIRA 12:10)

1.Vsesoyuznyy nauchno-issledovatel'skiy institut udobreniy i agropochvovedeniya.
(Plants--Nutrition) (Soil micro-organisms)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

BEMFE, Ye.Kh., kand. biolog. nauk; KALTAGOVA, O.G.

Effect of root micro-organisms on the development and plant nutrition from the soil. Agrobiologiia no.5:706-721 S-O '65. (MIRA 18:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut udobreniy i agropochvovedeniya.

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REMPE, Ye.Kh.

Effect of root microflora on the growth and development of plants. Trudy Inst. mikrobiol. no.11:71-80'61 (MIRA 16:11)

1. Laboratoriya mikrobiologii Vsesoyuznogo nauchno-issledovatel'skogo instituta udobreniy i agropochvovedeniya Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni Lenina.

*

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REMPE, Ye.Kh., kand.biologicheskikh nauk; KALTAGOVA, O.G.

Effect of root microflora on the activity of physiological processes in plants. Agrobiologiia no.6:866-878 N-D '62. (MIRA 16:1)

1. Vsesoyuznyy institut udobreniy i agropochvovedeniya.
(Rhisosphere microbiology)
(Plant physiology)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REMPE, Ye.Kh., kand.biologicheskikh nauk

Effect of the specific complex of root microflora on the growth and development of plants. Agrobiologiia no.4:604-609 Jl-Ag '62. (MIRA 15:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut udobreniy i agropochvovedeniya.

(RHIZOSPHERE MICROBIOLOGY)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

NORKIN, Yakov Abramovich, inzh.; VOZHDAYEV, Ivan Nikolayevich, inzh.; PODOL'SKIY, Viktor Il'ich, inzh.; PONOMARENKO, Vasiliy Timofeyevich, inzh.; PRONOV, Konstantin Konstantinovich, inzh.; REMPEL', Aron Iosifovich, inzh.; UGLINSKIY, Anatoliy Yakovlevich, inzh.; KHITROVA, N.A., tekhn. red.

[Repair of diesel locomotives]Remont teplovozov. [By] IA.A.Norkin i dr. Moskva, Transzheldorizdat, 1962. 300 p. (MIRA 15:12)
(Diesel locomotives--Maintenance and repair)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REMPEL', Aron Iosifovich, inzh.; PEREL'MAN, Yuriy Zalemanovich, inzh.; MIKHAYLOVSKIY, Aleksandr Moiseyevich, inzh.; RAKHMATULIN, M.D., retsenzent; VUL'F, V.V., inzh., red.; BOBROVA, Ye.N., tekhn. red.

[Repairing the cylinder-piston system of the 2D100 diesel engine; practices of the Tashkent Diesel Locomotive Depot] Remont tsilindro-porshnevoi gruppy dizelia 2D100; iz opyta Tashkentskogo teplovoznogo depo. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei sobshcheniia, 1961. 38 p. (MIRA 14:7)
(Diesel engines—Maintenance and repair)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REMPEL', A.M.; SUKHOV, [illegible]; POPIL'SKIY, R.Ya., nauchn. red.

[Industry's requirements as to the quality of mineral raw materials; a handbook for geologists] Trebovaniia promyshlennosti k kachestvu mineral'nogo syr'ia; spravochnik dlia geologov. Moskva, Nedra. No.64. 1965. 62 p. (MIRA 18:9)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya.

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

BLOKH, G.S., kand. tekhn. nauk; CHERNYAK, Ya.N., kand. tekhn. nauk; BALKEVICH, V.L., kand. tekhn. nauk; GAK, B.N., kand. tekhn. nauk; KORDONSKAYA, R.K., kand. tekhn. nauk; REMPEL', A.M., kand. tekhn. nauk; ZHUKOV, D.V., nauchnyy red.; IUSHKEVICH, M.O., red. toma; SKRAMTAYEV, B.G., glav. red.; BALAT'YEV, P.K., red.; KITAYEV, Ye.N., red.; KITAYGORODSKIY, I.I., red.; KRZHEMINSKIY, S.A., red.; ROKHVARGER, Ye.L., red.; KHOLIN, I.I., red.; GURVICH, E.A., red. izd-va; SHERSTNEVA, N.V., tekhn. red.

[Handbook on the manufacture of structural ceramics] Spravochnik po proizvodstvu stroitel'noi keramiki. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam. Vol.1. [General information and production control] Obshchie svedeniia i kontrol' proizvodstva. Pod red. M.O.IUshkevicha. 1961. 464 p. (MIRA 15:2)
(Ceramics) (Building materials)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

KHODAK, L.P.; REMPEL', S.I.; KUZNETSOV, S.I.

Energy balance of aluminum bath. Trudy Ural.politekh.inst. no.58:88-96 '57. (MIRA 11:4)
(Aluminum--Electrometallurgy)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

20-4-29/52

AUTHOR: Rempel', S. I.

TITLE: On the Problem of the Properties of Intermediary Carbon--Oxygen-Compounds (K voprosu o svoystvakh promezhutochnykh uglerod-kislòvodnykh soyedineniy)

PERIODICAL: Doklady AN SSSR, 1957, Vol. 117, Nr 4, pp. 648-650 (USSR)

ABSTRACT: The present report furnishes further proof that at 960°C the potential of the carbon anode is not determined by the partial pressure of the O_2 in the gas bubbles below the carbon anode (as previously assumed). This potential of the carbon anode is rather caused by the electrochemical active carbon-oxygen--compounds which are formed with a high carbon-potential. The overvoltage is caused by the deceleration of the decomposition of these compounds. The carbon anode had the form of a test tube and was polarized outside. Also inside of this vessel there was some electrolyte and a carbon which served as oxygen--carbon-comparative electrode. The potential of the carbon anode with respect to the oxygen-carbon-comparative-electrode was measured with a tubepotentiometer. After switching on the current, the increase of the anode potential on the inner side of the diffusion set in after a certain time. The results of such a test are reproduced in a diagram. Breaking the current,

Card 1/3

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

On the Problem of the Properties of Intermediary Carbon--Oxygen-Compounds. 20-4-29/52

there was no jump of the anode potential, but the potential began to decrease slowly and after 2 minutes it was equal to the comparative electrode. The same phenomenon was also observed with repeated switching on of the current. All this holds for the first test series in which a mixture of KCl-NaCl- Na_2SO_4 was used as electrolyte. In the second test series a cryolite-aluminamelt served as electrolyte. With a 30 minutes lasting electrolysis at an amperage of 1,3 ampere the potential of the diffusionside rose to 0,125 Volts and continued to increase. Switching off the current, the potential of the diffusion side - in contrast to the first test series - fell practically immediately to zero. This may be entirely or partly be explained by the temperature which was 100°C higher. The gradual occurence of an overvoltage on the nonpolarized inner side of the carbon vessel confirms the here discussed mechanism of the occurence of the overvoltage and cannot be fully explained by the previous views. There are 3 figures and 4 references, 4 of which are Slavic.

ASSOCIATION: Ural Institute of Timber Technology (Ural'skiy lesotekhnicheskiy institut Sverdlovsk).

Card 2/3

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

On the Problem of the Properties of Intermediary Carbon--Oxygen-Compounds. 20-4-29/52

PRESENTED: May 21, 1957, by A. N. Frumkin, Academician.

SUBMITTED: March 18, 1957

AVAILABLE: Library of Congress

Card 3/3

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REMPEL', A.I.

Start servomotor of the regulator of the 2D100 diesel engine.
Elek. i tepl. tiaga 6 no.11:37-39 N '62. (MIRA 16:1)

1. Nachal'nik dizel'nogo otdela proyektnogo konstruktorsko-tekhnologicheskogo byuro Glavnogo upravleniya po remontu podvizhnogo sostava i izgotovleniyu zapasnykh chastey, Tashkent.
(Diesel engines) (Servomechanisms)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REMPEL', A.I., inzh.; NORKIN, Ya.A., inzh.

New techniques in the regulation of the connecting rod and piston group of the 2D100 diesel. Elek. i tepl. tiaga no.5: 14-16 My '63. (MIRA 16:8)

1. Tashkentskoye proyektno-konstruktorskoye byuro Glavnogo upravleniya po remontu podvizhnogo sostava i izgotovleniyu zapasnykh chastey Ministerstva putey soobshcheniya.
(Diesel locomotives)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

KOLYKHAN, L.I.; REMPEL', A.I.

Oil film air-purifiers for diesel locomotive motors. Elek.i tepl.tiaga 14 no.3:31-33 Mr '60. (MIRA 13:7)

1. Nachal'nik laboratorii Vsesoyuznogo nauchno-issledovatel'-skogo teplovoznogo instituta (for Kolykhan). 2. Nachal'nik otdela remonta teplovozov Tashkentskogo proyektno-konstruktorskogo byuro Glavnogo upravleniya lokomotivoremontnymi i vagonoremontnymi zavodami g.Kolomna (for Rempel').
(Air filters) (Diesel locomotives)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REMPEL', Aron Iosifovich, inzhener; SHCHERBACHEVICH, G.S., inzhener, redaktor; VERINA, G.P., tekhnicheskiy redaktor.

[Repairing the lubricative system of diesel locomotives] Remont oborudovaniia maslianoi sistemy teplovozov. Moskva, Ges.transp.zhel-dor. izd-vo, 1956. 86 p. (MLRA 9:6)
(Diesel locomotives--Lubrication)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REMPEL', A.M.; SUKHOV, P.V.; KOPEYKIN, A.A., glavnyy red.; ROKHVARGER, Ye.L., zamestitel' glavnogo red.; VASYUTINSKAYA, A.A., red.; GARTSMAN, B.M., red.; ZAYONTS, R.M., red.; LUNDINA, M.G., red.; NOSOVA, Z.A., red.; PETROV, N.A., red.; RIVKIN, A.M., red.; ROMANOV, P.R., red.; SOKOLOV, P.V., red.; FEYN, Yu.E., red.; KOSYAKINA, Z.K., red.; KASIMOV, D.Ya., tekhn.red.

[Research on clay materials] Issledovanie glinistogo syr'ia. Moskva, Gosstroiizdat, 1963. 119 p. (Kuchino. Gosudarstvennyi nauchno-issledovatel'skii institut stroitel'noi keramiki. Trudy, no.22). (MIRA 17:3)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REMPEL', G.D., inzh.; GOLOMIDOV, I.N., dotsent; PIRUSHKO, M.G., inzh.

Using double-coil generators in a generator-motor system. Izv. vys. ucheb. zav.; gor. zhur. no.8:119-126 '64 (MIRA 18:1)

1. Sverdlovskiy gornyy institut imeni V.V. Vakhrusheva. Rekomendovana kafedroy avtomatizatsii proizvodstvennykh protsessov.

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

GOLOMIDOV, I.N., dotsent; REMPEL', G.D., inzh.; PIRUSHKO, M.G., inzh.

Comparative investigations of series produced EKG-4-61 excavators and the EKG-4 (SE-3) excavators remodeled for magnetic drive. Izv. vys. ucheb. zav.; gor. zhur. 6 no.9: 132-138 '63. (MIRA 17:1)

1. Sverdlovskiy gornyy institut imeni Vakhrusheva. Rekomendovana kafedroy obshchey elektrotekhniki.

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REMPEL', G.G.

Applying corrections for relief in the interpretation of aeromagnetic surveying data. Trudy SNIIGGIMS no. 30:140-149 '64. (MIRA 19:1)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

L 12818-66

ACC NR: AP6004431 SOURCE CODE: UR/0414/65/000/003/0049/0053

AUTHOR: Rempel', G. G.

ORG: none

27
B

TITLE: Derivation of the general relationship between the detonation velocity and a charge radius

SOURCE: Fizika goreniya i vzryva, no. 3, 1965, 49-53

TOPIC TAGS: detonation velocity, charge radius, explosive, explosion, critical detonation velocity, critical charge radius, trotyl, hexogen, dinitrotoluene

ABSTRACT: The dependence of the detonation velocity on the explosive charge radius $D = f(R)$ was studied theoretically using published and new experimental data. Curves of the relationship $\log \Delta D = f \log (R^{-1})$, where $\Delta D = D_u - D$, (D is the detonation velocity in charges with radius R and D_u is the detonation velocity in charges with $R = \infty$), were plotted for a series of explosives, including hexogen, dinitrotoluene, dinarite, and ammonite No. 6. With the exception of explosive mixtures containing aluminum powder, for which the curves have a break, the curves are linear in all cases. An equation was derived for the relationship between the detonation velocity and charge radius. Data calculated by this equation for various density and radii using trotyl and amatol charges are in good agreement with the experiment. The general empirical equation relating the detonation parameters and the charge radii may be used

Card 1/2 UDC: 534.222.2

2

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

L 12818-66

ACC NR: AP6004431

to calculate the critical radius, detonation velocity, and critical detonation velocity, to decrease the number of experiments needed to determine the D = f(R) curves, and to predict the character of D = f(R) curves for cases where experimental data are not available. Orig. art. has: 1 table, 6 figures, and 3 formulas. [PS]

SUB CODE: 19/ SUBM DATE: 15Feb65/ ORIG REF: 006/ OTH REF: 004/ ATD PRESS: 4183

jw

Card 2/2

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

ACC NR: AP6036430 SOURCE CODE: UR/0210/66/000/008/0105/0108

AUTHOR: Rempel', G. G.

ORG: Siberian Scientific Research Institute of Geology, Geophysics and Mineral Raw Materials, Novosibirsk (Sibirskiy nauchno-issledovatel'skiy institut geologii, geofiziki i mineral'nogo syr'ya)

TITLE: Determination of the magnetization of relief-forming rocks from magnetic and gravimetric survey data

SOURCE: Geologiya i geofizika, no. 8, 1966, 105-108

TOPIC TAGS: magnetization, magnetic intensity, gravity, ~~accuracy criterion,~~ quadratic error, mathematic expectation, mineral, rock, gravity survey, magnetic survey, gravimetric survey

ABSTRACT: Magnetization has been studied using intensity measurement data of gravity and magnetic fields. A special formula was given which connects the vertical component of the magnetic field with the magnetization of rocks, and the correction for relief. Gravitational corrections were computed by a special formula containing gravimetric measurements, the normal value of gravity, and the horizontal component of the magnetic field. The magnetization is determined by a formula which contains sequential differences between measurements of the

Card 1/2

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

ACC NR: AP6036430

vertical component. All formulas were transformed and special symbols introduced. The accuracy criterion for parameters, which determined the ratio of the mean quadratic error to the mathematic expectation, was chosen and designated by η_k. The minimum value of η_k depended upon the value of the mathematical expectation. The determination of the magnetization and its mean quadratic error was based either on observations performed along the entire profile or at selected points. This method sometimes yields good results for making geological estimates. The density of both sides of an intermediate layer of the west Siberian lowland differed markedly using the described computation method. The reason for differences was a tectonic perturbation which changed the density of the surface sediments. Orig. art. has: 8 formulas.

SUB CODE: 08/ SUBM DATE: 15Sep65/ ORIG REF: 003

Card 2/2

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REMPEL', G.G.

Estimating the length of the chemical reaction zone behind the front c. the detonation wave. Vzryv. delo no.52/9:39-56 '63. (MIRA 17:12)

1. Mezhduvedomstvennaya komissiya po vzryvnomu delu.

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

[illegible]

[illegible] of residual integral in the calculation of [illegible] anomalies from [illegible] surfaces. Geol. i geofiz. no.6:113-[illegible] '65. (MIRA 18:8)

1. [illegible] Institut geologii, geofiziki [illegible], Novosibirsk.

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

L 17932-63

ACCESSION NR: AT3006107

ation wave is reduced in trotyl charges, the length of the chemical reaction zone behind the wave front is increased. A precise value for the critical detonation velocity (velocity at which the charge, with a diameter equal to critical, detonates) can be determined by the points of intersection of the curves $D_{initiating} = f(d)$ and $D_{charge} = f(d)$. Orig. art. has: 7 figures and 5 tables.

ASSOCIATION: None

SUBMITTED:	00	DATE ACQ:	14Jun63	ENCL:	00
SUB CODE:	AR, PH	NO REF SOV:	005	OTHER:	000

Card 2/2

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REMPEL', Georgiy Gergardovich, kand. tekhn.nauk; LIKIN, Viktor Aleksandrovich, inzh.; GORST, A.G., doktor khim. nauk, prof., retsenzent; YAKOVLEVA, V.I., red.; SKOTNIKOVA, N.N., tekhn. red.

[Labor safety in working with explosives] Bezopasnost' truda pri rabote s vzryvchatymi veshchestvami. Moskva, Oborongiz, 1963. 57 p. (MIRA 16:4)

(Blasting--Safety measures)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

VOROB'YEV, A.I.: GLOZMAN, M.K.: GORBUSHIN, A.I.;KOSTINSKIY, I.Ye.; MAKSIMOV, I.I.: PROLYGIN, V.I.: STOLYARSKIY, L.L. RUMPEL' M.P. redaktor; POL'SKAYA, R.G., tekhnicheskiy redaktor; FEUMKIN, P.S., tekhnicheskiy redaktor.

[Ship finishing work] Sudovye dostroechnye raboty. Leningrad, Gos. Soiuznoe izd-vo sudostroit. promysh., 1955. 159 p. (MLRA 8:8)
(Shipbuilding)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

Kempel', N. A.

U

Gas reference electrode for use with cryolite-alumina melts. S. I. Rempel', N. A. Anisheva, and L. P. Khodak (*Dokl. Akad. Nauk SSSR*, 1954, 97, 859—862).—An O_2–C electrode serves for measurement of electrode potentials in molten cryolite–alumina electrolytes, applying the expression $E = E_0 - 0{\cdot}242 \log c/c_s$, where E_0 is the electrochemical p.d. for electrolyte saturated with Al_2O_3, and c and c_s are the Al_2O_3 concn. for the given case and saturation, respectively. R. TRUSCOE.

62

2

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

SIDORENKO, F.A.; GEL'D, P.V.; MEMPEL', P.S.

Stability range of alpha-lebeauite. Izv.vys.ucheb.zav.; chern.met. 5 no.4:102-108 '62. (MIRA 15:5)

1. Ural'skiy politekhnicheskiy institut.
(Ferrosilicon--Metallography) (Phase rule and equilibrium)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REMPEL', S.A.

Biological diagnosis of multiple sclerosis. Zhur.nevr. i psikh. 56 no.8:631-633 '56. (MLRA 9:11)

1. Klinika nervnykh bolezney (dir. - prof. L.Ya. Shargorodskiy) Tashkentskogo meditsinskogo instituta.
(MULTIPLE SCLEROSIS, diagnosis, skin tests (Rus))

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REMPEL', S.A.; SHENKER, D.I.

Sensing an objective noise in the ears in traumatic epilepsy. Zhur.ush., nos. i gorl. bol. 24 no.5:83-84 S-O '64. (MIRA 18:3)

1. Iz Uzbekskogo respublikanskogo psikhonevrologicheskogo dispansera i otorinolaringologicheskogo otdeleniya klinicheskoy bol'nitsy neotlozhnoy pomoshchi Tashkenta (glavnyy vrach - zasluzhennyy vrach Uzbekskoy SSR T.Sh.Alimov).

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

L 17476-63 EWP(j)/EPF(c)/EWP(k)/EWT(l)/EWT(m)/BDS AFFTC/ASD Pc-4/
Pr-4/Pf-4 RM/WW

ACCESSION NR: AP3004768 S/0191/63/000/008/0003/0007

74

AUTHORS: Sal'nikov, V. V.; Rempel', S. I.; Makarova, F. N.; Druyan, Ye. A.

TITLE: Study of the continuous polymerization of vinyl butyl ether with the use of ultrasonics

SOURCE: Plasticheskiye massy*, no, 8, 1963, 3-7

TOPIC TAGS: ultrasonics, vinyl butyl ether, FeCl sub 3

ABSTRACT: The feasibility of the titled reaction was shown. It was proposed and experimentally verified to divide the polymerization process for vinyl butyl ether (VBE) into stages: mixing (50 sec.), activation (heating to 70C), polymerization (7-10 min.), and aging (70-90 min.). Conditions for each stage were investigated. Use of ultrasonics in mixing stage assures practically instantaneous dispersion of the $FeCl_3$ catalyst in VBE, and results in more even temperature in the polymerization stage, eliminates characteristic violent foaming and boiling over and promotes higher degree of polymerization of VBE. Orig. art. has: 8 figures and 2 tables.

ASSOCIATION: none

SUBMITTED: 00 DATE ACQ: 28Aug63 ENCL: 00

SUB CODE: CH, MA, PH NO REF SOV: 006 OTHER: 000

Card 1/1

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

SOV/137-59-1-460

Translation from: Referativnyy zhurnal, Metallurgiya, 1959, Nr 1, p 58 (USSR)

AUTHORS: Khodak, L. P., Rempel', S. I., Kuznetsov, S. I.

TITLE: On the Effect of Periodic Charging of Raw Materials on the Energy Balance in an Electrolytic Bath (O vliyanii periodicheskikh zagruzok syr'ya na energeticheskiy rezhim elektroliznoy vanny)

PERIODICAL: Tr. In-ta metallurgii. Ural'skiy fil. AN SSSR, 1957, Nr 1, pp 144-148

ABSTRACT: Utilizing the case of an Al bath as an example, the authors analyze the significance of the heat of dissolution of raw materials introduced into the bath in batches and the significance of an increase in electrical potential occurring in the bath during periods between charging on energy-balance equations for an electrolytic bath. In computing variations in heat content of a system undergoing an electrochemical reaction, e.g.: $Al_2O_3 + 1\text{-}1/2\,C \rightarrow 2Al + 1\text{-}1/2\,CO_2$, the right-hand side of the equation must show the Al_2O_3 in the form in which it is introduced into the bath rather than in the form of Al_2O_3 already dissolved in the electrolyte. In computing the energy balance, the alumina (A) must appear in the same form as that

Card 1/2

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

SOV/137-59-1-460

On the Effect of Periodic Charging of Raw Materials on the Energy Balance (cont.)

in which it appears in the material balance. An increase in the electrical potential of the bath, which occurs as the concentration of A in the electrolyte is reduced, results in the consumption of an additional quantity of electrical energy Q_g. If the increase in potential is brought about merely by a change in the concentration of A, then $Q_g = \Delta Z_p$, where ΔZ_p is the change in the isobaric-isothermal potential of the system. If other causes also are active, the magnitude of the ΔZ_p will be fully compensated by the electrical energy supplied externally. The magnitude of the Q_g will be the sum of two items: $Q_g = \Delta Z_p + Q'$, where Q' represents the additional quantity of electrical energy consumed in the bath as a result of an increase in the potential due to any causes aside from a change in the concentration of the A. Being a separate item on the input side of the energy-balance equation, the heat of dissolution of the raw material in the electrolyte must not be taken into consideration. A method permitting computation of the mean increase of potential in electrolyzers operating with raw material introduced periodically is given together with the computation of the mean value of the potential increase in an Al bath (this value being 0.105 v in said instance). In computing variations in the heat content of a system undergoing an electrochemical reaction the output side of the balance equation must be based on thermodynamic data for solid rather than dissolved A.

L. S.

Card 2/2

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

ACC NR: AP7011369 SOURCE CODE: UR/0118/66/000/012/0029/0030

AUTHOR: Toreshchenko, A. Ye. (Engineer); Rempel', S. I. (Engineer)

ORG: none

TITLE: Flexible electrical shaft for continuous measurement of the viscosity of fluid media

SOURCE: Mekhanizatsiya i avtomatizatsiya proizvodstva, no. 12, 1966, 29-30

TOPIC TAGS: shaft, fluid viscosity, viscosimeter

SUB CODE: 14,13,20

ABSTRACT: A simple and high precision rotary viscometer, developed by the Ural Forest-Products Institute, is described. The coefficient of viscosity is determined as the angular difference between shaft position of two synchros. A synchronous capacitance-type motor drives a contactless transmitter synchro, which in turn is connected by cable to a receiver synchro. The shaft of the receiver is connected mechanically to a cylinder, which is immersed in the test fluid. The drag on the immersed cylinder is directly proportional to the viscosity, and its magnitude is manifested by the difference in angle (error) between the shafts of the two synchros. Since current flow through the system is

UDC: 532.137

0931 17 56

Card 1/2

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

ACC NR: AP7011369

a function of the error, viscosity can be read directly on a milliamenmeter, which has been calibrated to show units of viscosity. Tests with $C_3H_8O_3$ show that the instrument has a linear response over a broad range of viscosity values. Sensitivity of the viscometer can be varied by changing the diameter of the cylinder. A recording potentiometer can be used by inserting a small resistance in the circuit and measuring the variation in voltage drop across it. Orig. art. has: 2 figures and 9 formulas.
[JPRS: 40,352]

Card 2/2

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REMPEL', S. I.; TYURIN, Yu. N.; ZINNER, V. A.; DUNAYEVSKAYA, L. A.

Control of the process of preparing metallic potassium by the intensity of radioactive radiation. Zav. lab. 28 no.12:1474-1475 '62. (MIRA 16:1)

1. Ural'skiy nauchno-issledovatel'skiy khimicheskiy institut.

(Potassium—Production control)
(Potassium—Isotopes)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

SAL'NIKOV, V.V.; REMPEL', S.I.; MAKAROVA, F.N.; DRUYAN, Ye.A.

Continuous polymerization of vinyl butyl ether using ultrasonic waves. Plast. massy no.8:3-7 '63. (MIRA 16:8)

(Vinyl ether) (Polymerization)
(Ultrasonic waves--Industrial applications)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REMPEL', Samuil Izraylevich; ANTIPIN, L.N., retsenzent; SYRCHINA, M.M., red. izd-va; MATLYUK, R.M., tekhn. red.

[Anodic process in the electrolytic production of aluminum] Anodnyi protsess pri elektroliticheskom proizvodstve aliuminiia. Sverdlovsk, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii. Sverdlovskoe otd-nie, 1961. 143 p. (MIRA 14:6)
(Aluminum--Electrometallurgy)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

FYDENZON, Noisey Aronovich; REMPEL', S.I., prof., dokt., retsenzent;

[Preparation of magnesium and chlorine by the electrolysis of fused magnesium chloride] Proizvodstvo magniia i khlora elektrolizom rasplavlennogo khloristogo magniia. Moskva, Izd-vo Metallurgiia, 1964. 124 p. (MIRA 17:7)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

SOV/137-59-3-6721

Translation from Referativnyy zhurnal Metallurgiya, 1959, Nr 3, p 253 (USSR)

AUTHOR Rempel, S. I.

TITLE: Development of Methods of Measuring the Surface Tension on Phase Boundaries (Razrabotka metodov izmereniya poverkhnostnogo natyazheniya na mezhfaznykh granitsakh)

PERIODICAL Tr. Uralskogo lesotekhn. in-ta, 1958, Nr 12, pp 3-19

ABSTRACT: A description of methods (M) of measuring interphase tension (IT) on the boundary between liquid metal and liquid electrolyte (the M of indenting such a boundary with a disk and the M of weighing of a cylinder as it is lowered into the melt) and of studies on the IT at the boundary between a carbon anode (A) and a liquid electrolyte (a modified Kuznetsov pendulum-scleroscope, the M of measuring the force required to pull a disk away from the molten metal, and the M of weighing of the A). In the first M, a porcelain disk is employed in the case of an Mg-carnallite system and a silit disk in the case of an Al-cryolite-alumina-melt system. With the aid of a rod mounted in its center, the disk is suspended by a quartz or steel spring from a bracket which may be lowered by means of a micrometer screw

Card 1/3

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

SOV/137-59-3-6721

Development of Methods of Measuring the Surface Tension on Phase Boundaries

At the instant when contact is made with the boundary surface between the molten metal and the electrolyte the rate of descent of the disk will decrease, whereas at the instant when this surface is pierced the disk will sharply accelerate downward. The force which is required to pierce the boundary surface serves as a measure of the surface tension at the interphase boundary. In the case of the second M (weighing of a cylinder being lowered), the weight of the cylinder is determined as it is lowered into the melt until it has contacted the interphase boundary. The variations in the magnitude of the buoyancy force acting on the rod (variations in the weight of the submerged rod) are utilized in evaluating the IT. The third M employs two pencil-shaped carbon As in an electrolyte medium which are placed on their pointed ends on a flat silit plate. The pointed ends serve as supports for a heavy pendulum. The degree of disintegration and scattering of carbon particles in the medium under investigation (i.e., the magnitude of the IT on the boundary between the carbon A and the liquid electrolyte) is judged by the intensity of damping of the amplitude of the pendulum swing. The fourth M involves measurement of the force required to pull a carbon disk away from the melt at various current densities and at different compositions of the electrolyte. The fifth M consists in weighing a cylindrical carbon A immersed in the electrolyte. The weight of the A is a function which characterizes the wetting of the A by

Card 2/3

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014446