"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

SIMKIN, E.M.; KALUGIN, V.D.; RAKHIMOV, A.R.; SHEYNMAN, A.B.

Electric heating of well bottom zones in the South Alamyshik field. Neftepром. delo no.8:16-19 '65. (MIRA 18:9)

1. Institut geologii i razrabotki goryuchikh iskopayemykh, Moskva, i ob"yedineniye "Fergananeftegaz".

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1. KALUGIN, V. I.
2. USSR (600)
4. Hoisting Machinery
7. Device for extraction of diaphragms, Rab. energ, 3 No. 1, 1953

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

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KALUGIN, V. I., Assistant in the Dept. of Epizootiology, "I.D.KNIGIN"
Moscow Chemico-Technological Inst. of Meat Industry.
(On the occasion of the 120th anniversary since his death.)
SO: Vet. 28 (1) 1951, p. 59

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KALUGIN, V.I., Asst.
Dept. of Epizootiology, Moscow Chemico-Tech. Inst. of Meat. Industry.
"The founder of native veterinary medicine, Kh.G. Bunge (1781-1861)"
SO: Veterinariia 28(7), 1951, p. 57

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KALUGIN, V.I., Assistant, Dept. of Epizootiology
Moscow Chemico-Technological Institute of Meat Industry
"Prof. A. A. Rapvskiy - on the occasion of the
35th Anniversary of his death."
SO: Vet. 28 (10) 1951, p. 60

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KALUGIN, V. I.

Ruzhentsev, Dmitrii Semonovich (1880-1947)

Outstanding Soviet veterinarian, D. S. Ruzhentsev," Veterinariya 29 no. 7, 1952.

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KALUGIN, V.I.

Founder of Russian veterinary science, F.I. Vsevolodov. Veterinariia 30 no.6:62-64 Je '53. (MLRA 6:5)

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KALUGIN, V. I.
Veterinary Diseases

Dissertation: "Facts on the History of Epizootiology in Prerevolutionary Russia."
Cand Vet Sci, Moscow Technological Inst of the Meat and Dairy Industry, 25 Mar 54.
(Vechernyaya Moskva Moscow, 15 Mar 54)

SO: SUM 213, 20 Sep 1954

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

KALUGIN, V. I.

USSR/Medicine - Veterinary, Periodical Literature

Card 1/1

Author : Polyakov, A. A., Kalugin, V. I.

Title : History of the Soviet veterinary periodical literature (dedicated to the 30th anniversary of the periodical "Veterinariya", 1924-1954)

Periodical : Veterinariya, 31, 57-61, May 1954

Abstract : Only 2 thousand copies of the periodical "Veterinariya" were printed when its first number came out in 1924. Now 40 thousand copies are printed each month. A brief analysis of the periodical literature in pre-revolutionary Russia and since 1924 is presented. Between 1917 and 1924 practically nothing was published in the field of veterinary science. The periodical "Veterinariya" is now a monthly publication. This periodical is now entering a period of intensive growth and expansion.

Institution :

Submitted :

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

KALUGIN, V. I.

USSR/Medicine - Veterinary FD-1295

Card 1/1 : Pub 137-15/20

Author : Kalugin, V. I.

Title : V. S. Bobrovskiy, 1873-1924 (On the occasion of 30 years since his death)

Periodical : Veterinariya, 31, 8, 57-58, Aug 1954

Abstract : This article is dedicated to Vladimir Semenovich Bobrovskiy who died in March, 1924. Bobrovskiy was instrumental in organizing veterinary service in the USSR and was the author of the first Veterinary Code. He became adherent of Lenin and became active in the revolutionary movement during his student days. He was connected with the Russian Social-Democratic Workers' Party (RSDRP) prior to the revolution. From 1921 to the end of 1923 he was chief of the Central Veterinary Administration of the People's Commissariat of Agriculture of the RSFSR.

Institution :

Submitted :

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

POLYAKOV, A.A., professor; KALUGIN, V.I.

S.N. Vyshelesskii, an outstanding Soviet scientist. Veterinariia 31 no.11:7-16 N '54. (MLRA 7:11)
(VYSHELESSKII, SERGEI NIKOLAEVICH, 1874-) (VETERINARY BACTERIOLOGY)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

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KALUGIN, V.I., kandidat veterinarnykh nauk.

V.F.Nagorskii (1845-1912), an outstanding scientist and organizer in Russian veterinary medicine. Veterinariia 32 no.9:82-85 S '55. (NAGORSKII, VALENTIN FEDOSEEVICH, 1845-1912) (MIRA 8:12)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

KALUGIN, V.I.

IAkov Kuz'mich Kaidanov. Veterinariia 32 no.12:81-83 D '55.
(KAIDANOV, IAKOV KUZ'MICH, 1779-1855) (MLRA 9:4)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

KALUGIN, V.I.

KALUGIN, V.I., kand. vet. nauk, dots.

Progressive elements in the works on epizootology in Russia in the 18th and the beginning of the 19th century. Veterinariia 34 no.2: 79-82 F '57. (MLRA 10:11)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti.
(Contagion and contagious diseases in animals--History)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

USSR/General Problems of Pathology. Immunity. U.

Abs Jour : Ref Zhur Biol., No 19, 1958, 89434

Author : Gorzhkovskaya, S.I., Kalugin, V.I.
Inst : -
Title : On the Problem of the Mechanism of Intra-uterine Transmission of Immunity in Paratyphoid of Rabbits.

Orig Pub : Veterinariya 1957, No 8, 33-39

Abstract : Pregnant rabbits received triple immunization at intervals of 7-8 days with formaldehyde vaccine against paratyphoid of calves. The agglutination titer (AT) in the serum from 10 newborn rabbits was 1 : 10 - 1 : 1,280. The vaccinated rabbits were killed before giving birth; the AT of the baby rabbits reached 1 : 640. It follows that immune bodies from vaccinated rabbits are transmitted through the placenta. -- N.L. Riskin.

Card 1/1

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

KALUGIN, V.I.

VYSHELESSKIY, S.N., professor, doktor veterinarnykh nauk; KALUGIN, V.I., dotsent, kandidat veterinarnykh nauk.

Achievements in epizootiology in 40 years. Veterinariia 34 no.9:8-26 S '57. (MLRA 10:9)

1. Pochetnyy akademik Vsesoyuznoy Akademii sel'skokhozyaystvennykh nauk imeni Lenina, akademik Belorusskoy akademii nauk, zasluzhennyy deyatel' nauki RSFSR (for Vysheleesskiy).
(Communicable diseases in animals)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

KALUGIN, V.I., kand.vet.nauk

Honored Professor N.N. Mari. Veterinariia 36 no.3:89-90 Mr '59.
(MIRA 12:4)

(Mari, Nikolai Nikolaevich, 1858-1921)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

TERENT'YEV, F.A., prof.; VASIL'YEV, K.M., dotsent; ZAMURIY, I.R., kand. veterin.nauk; KALUGIN, V.I., dotsent

Production and use of dry serum against swine erysipelas. Veterinariia 36 no.6:24-26 Je '59. (MIRA 12:10)
(Serum) (Erysipeloid)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

KALUGIN, V.I.

M. A. Ignat'ev, the founder of Russian veterinary hygiene. Veterinariia 36 no.11:86-87 N '59 (MIRA 13:3)
(Ignat'ev, Mikhail Aleksandrovich, 1850-1919)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

KALUGIN, V. I.

4

17 (2), 30 (6) SOV/16-60-4-44/47

AUTHOR: Maletov, N.A., Ivanchenko, S.Ya., Terent'yev, P.A., Yeternik, D.M., Kalugin, V.I. and Korneyev, I.P.

TITLE: Professor Kh. Planel'yes, On the Occasion of his Sixtieth Birthday.

PERIODICAL: Zhurnal mikrobiologii, epidemiologii i immunobiologii, 1960, Nr 4, pp 146 (USSR)

ABSTRACT: This is a brief account of the life and career of Professor Kh. Planel'yes, Corresponding Member of the Akademiya meditsinskikh nauk SSSR (Academy of Medical Sciens of the USSR) and a noted pharmacologist, biochemist and microbiologist. He is credited with the discovery of many new Soviet antibiotics.

Card 1/1

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KALUGIN, V. I., GORZHKOVSKAYA, S. I., TERENT'YEV, F. A., VASIL'YEV, K. M., and SITSKIY, A. P. (Moscow Technological Institute of the Meat and Milk Industry).

"Obtaining and applying concentrated hyperimmune sera."

Veterinariya, Vol. 38, No. 2, 1961, p. 43.

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

KALUGIN, V.I., dotsent

N.P.Savvaitov (1861-1918) outstanding scientist-pedagogue and organizer of Russian veterinary hygiene; 100th anniversary of his birth. Veterinariia 38 no.8:85-87 Ag '61 (MIRA 18:1)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

KALUGIN V. T. and KALUGIN V. V. (1841-1914)

"Founder of experimental oncology."

Veterinariya, Vol. 38, No. 12, December 1961, p. 67.

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

KALUGIN, V.I., dotsent; KALUGIN, V.V.

I.I. Ravich, an outstanding pathologist and experimenter in Russian veterinary medicine. Veterinariia 39 no.6:85-88 Je '62 (MIRA 18:1)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

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KALUGIN, V.I.

M.A. Mal'tsev as the founder of Russian veterinary surgery.
Veterinariia 39 no.8:84-85 Ag '62. (MIRA 17:12)

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DOBROKHOTOV, A.M.; KALUGIN, V.I., dotsent; KALUGIN, V.V.

History of veterinary medicine. Veterinariia no.12:66-69 D '63.
(MIRA 17:2)

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KALUGIN, V.I., kand. veterv nauk

G.I. Gurin, an outstanding scholar, teacher and propagandist of zootechnical and veterinary knowledge in the U.S.S.R. Veterinariia 40 no.4:80-81 Ap '63. (MIRA 17:1)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

VOROB'YEV, M.M., kand. veter. nauk; AVTUKHOV, P.R., prepodavatel'; TSIMBALOV, I.N., veterinarnyy vrach; MOROZOV, I.G., veterinarnyy vrach; KALUGIN, V.I., kand. veter. nauk

Book reviews and bibliography. Veterinariia 40 no.4:82-86 Ap '63. (MIRA 17:1)

1. Vitebskiy pedagogicheskiy institut (for Avtukhov).

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SYURIN, V.N., prof.; ZAGAYEVSKIY, I.S., prof.; TSION, R.A., doktor veterin.nauk; KALUGIN, V.I., kand.veterin.nauk; ZAITSEV, N.V., kand.veterin.nauk; BORISOV, Ye.M., kand.veterin.nauk

Book reviews and bibliography. Veterinariia 40 no.7:79-86 Jl '63. (MIRA 16:8)

(Veterinary medicine)

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KALUGIN, V.I., kand.veterin.nauk; BAZHENOV, S.V., prof.; KRAPIVNER, L.M.

History of veterinary medicine. Veterinariia 40 no.9:77-82 S '63. (MIRA 17:1)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

PENIONZHKO, A.M., general-leytenant veterinarnoy sluzhby; KALUGIN, V.I., kand. veterin. nauk; ENDZIN, A.K., polkovnik veterinarnoy sluzhby v otstavke; SIKORSKIY, A.N.

From the history of veterinary medicine. Veterinariia 41 no.2:114-118 F '64. (MIRA 17:12)

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TERENT'YEV, F.A.; VASIL'YEV, K.M.; SITSKIY, A.P.; KALUGIN, V.I.; GORZHKOVSKAYA, S.I.

Obtaining ans using condensed hyperimmune serums. Veterinariia 38 no.2:43-45 F '61. (MIRA 18:1)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti.

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

[illegible], V.I., kand. veterin. nauk; [illegible], V.M.; [illegible]; KOROTENKO, P.Ya.

From the history of veterinary medicine. Veterinariia 41 no.5: 114-119 My '64. (MIRA 18:3)

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KALNGIN, V.I., dotsent; GABARAN, A.S.; PAVLOVSKIY, V.V., kand. veterin. nauk

In memory of Academician Sergei Nikolaevich Vyshelesskii, 1874-1958. Veterinariia 41 no.1:121-125 Ja '65.

(MIRA 18:2)

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KALUGIN, V.I., dotsent

Il'ia Il'ich Mechnikov, 1845-1916; his 120th birth anniversary.
Veterinariia 42 no.7:110-111 Jl '65. (MIRA 18:9)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

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TETERNIK, D.M., prof.; KALUGIN, V.I., dotsent

Founder of Soviet veterinary hygiene experties. Veterinariia 42 no.10:98-99 O '65. (MIRA 18:10)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

KALUGIN, V.I., dotsent

Pay attention to the study of the history of veterinary medicine. Veterinariia 42 no.12:90-92 D '65.
(MIRA 19:1)

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NALETOV, N.A.; LYUBASHENKO, S.Ya.; TERENT'YEV, F.A.; TETERNIK, D.M.; KALUGIN, V.I.; KORNEYEV, I.P.

Professor A.I. Metelkin; on the 40th anniversary of his career. Zhur. mikrobiol. epid. i immun. 31 no. 4:146-147 Ap '60. (MIRA 13:10)

(METELKIN, ANATOLII IVANOVICH, 1894-)

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

ACC NR: AP7001430 (N) SOURCE CODE: UR/0413/66/000/021/0150/0151

INVENTOR: Kalugin, V. M.

ORG: none

TITLE: A method for measuring the density of a gas in a supersonic stream at low pressures. Class 42, No. 188122

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 21, 1966, 150-151

TOPIC TAGS: glow discharge, gas jet, gas flow, gas, supersonic flow

ABSTRACT: This Author Certificate presents a method for measuring the density of a gas in a supersonic stream at low pressures from the intensity of the glow discharge originating in the stream between, say, the nozzle producing the stream (and serving as a hollow cathode) and an anode. To increase the accuracy and to extend the range of measurements toward the low pressures, the density of a gas is reckoned from the intensity gradient of the negative glow discharge.

SUB CODE: 20/ SUBM DATE: 25Mar64

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L 46141-66 EWT(l)/EWT(m)/T DS/WW

ACC NR: AP6030927 SOURCE CODE: UR/0207/66/000/004/0108/0112

66
65
B

AUTHOR: Kalugin, V. M. (Kaliningrad)

ORG: none

TITLE: A highly sensitive glow discharge method for visualization of supersonic rarefied gas flows

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 4, 1966, 108-112

TOPIC TAGS: hypersonic aerodynamics, wind tunnel test, rarefied gas, glow discharge, supersonic flow, hypersonic flow

ABSTRACT: A new method of visualization of supersonic flows in wind tunnels is described. This method uses glow discharges in air and has all the advantages of

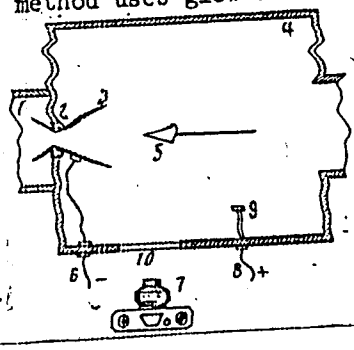

Fig. 1. Experimental system

1 - Gas chamber; 2, 3 - nozzle; 4 - test chamber; 5 - model; 6, 8 - cables; 7 - camera; 9 - anode.

Card 1/2

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discharge techniques and is, at the same time, very sensitive. The peculiarity of this method lies in the use of the nozzle as a cathode. A brief critical review of the existing methods where the model serves as a cathode is followed by a schematic diagram of the setup (see Fig. 1) and a description of the experimental procedure. The advantages of this system and the mechanism of visualization are outlined. The spatial resolution of the system is characterized by the length l expressed by the formula

$$l = 1.3 \cdot 10^{-8} \left(T_0 \frac{5M_\infty^2}{5 + M_\infty^2} \right)^{1/4}$$

given in a graph for $M_\infty = 3.5$ and 10, and found to be 0.2 for $T_0 = 5000°K$ and $M_\infty = 10$. Thus, the finiteness of the lifetime of the excited state of N_2^+ does not impose any appreciable restrictions on the present method which uses the nozzle as a cathode in the investigations of rarefied air flows. Photographs of flows over a sphere and a disk are presented on which the pressure discontinuities are quite visible. Orig. art. has: 6 figures and 2 formulas. [AB]

SUB CODE: 20/ SUBM DATE: 19Nov65/ ORIG REF: 005/ OTH REF: 011/ ATD PRESS: 5087

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

ACCESSION NR: AT4042299 S/0000/63/003/000/0209/0228

AUTHOR: Aliyevskiy, B.L.; Bertinov, A.I.; Kalugin, V.N.; Khan, V. Kh.

TITLE: Unipolar DC generators for powering conduction pumps

SOURCE: Soveshchaniye po teoreticheskoy i prikladnoy magnitnoy gidrodinamike. 3d, Riga, 1962. Voprosy* magnitnoy gidrodinamiki (Problems in magnetic hydrodynamics); doklady* soveshchaniya, v. 3. Riga, Izd-vo AN LatSSR, 1963, 209-228

TOPIC TAGS: pump, conduction pump, generator, contact, armature reaction, power supply, direct current generator, unipolar generator, current collector

ABSTRACT: The authors discuss the basic requirements which must be met by power supplies for conduction pumps (reliability, long service life, efficiency, relative simplicity of operation, etc.) and show that unipolar generators satisfactorily fulfill these requirements. The operational principle of these generators (i.e., the rotation of the cylinder or disk in a magnetic field of constant polarity) is briefly described, with the pertinent mathematical expressions. A definition is propounded in the following terms: A unipolar (homopolar, acylic) direct-current generator is the name given to a collectorless generator, in which the direction of the electromotive force, induced in the armature

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ACCESSION NR: AT4042299

conductors, remains constant with respect to these conductors. In a separate section of the article, the basic structural design versions (that is, the cylindrical and the disk types) are considered and their differences are analyzed. An attempt is made at a classification of unipolar DC generators. The authors also take up the problem of the heavy-current movable contact and liquid-metal current collectors. Attention is given to the different kinds of solid brush collectors and also to the recently proposed ionized gas contact based on metal vapors. The use of a mercury- or alkali metal-based liquid-metal current-collecting apparatus in unipolar generators for pump powering purposes is discussed in some detail. The fundamental equations for "no-load" and working mode conditions are derived and formulas are presented for calculating the electromagnetic power and loads of these generators. In a further section of the paper, an analysis is made of the economically advantageous ratios between the current, voltage and power of unipolar generators, and a comparison of the various types is essayed from this point of view. The authors note that since these generators are designed to operate under a heavy working current, problems relating to the theory and calculation of the armature reaction in these devices take on a particular importance.

12/3
Card

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ACCESSION NR: AT4042299

Consequently, the article contains a chapter dealing with the general problem of the armature reaction, methods for its quantitative consideration and for the compensation of this reaction. Still further sections take up the question of the so-called reactive triangle and the general characteristics of these generators, magnetic dispersion and the circuitry for the protection of the magnetic system during no-load running, the proper order to be followed in making engineering calculations of a unipolar generator (determination of principal dimensions for given power and linear velocity in the contact for optimal electromagnetic loads). In a final section on "application", the authors state that, as a rule, for pump power it is most advisable to employ generators of the cylindrical type with a ferromagnetic rotor, since these machines have the best weight and energy characteristics. Other areas of possible application mentioned in the article are electrochemistry, electric welding, the engineering of charged particle accelerators, electric-spark machining techniques, and others. Orig. art. has: 11 figures and numerous equations.

ASSOCIATION: none

SUBMITTED: 04Dec63 ENCL: 00 SUB CODE: EE, IE

NO REF SOV: 000 OTHER: 000

Card 3/3

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

ZHERNOV, I.Ye., doktor geologo-mineralog. nauk; KALUGIN, V.N., inzh.; SPIVAK, O.A., inzh.

Modeling the operations of linear strip mine drainage systems by means of a Luk'ianov hydraulic integrator. Nauch. zap. Ukrniiproekt no.10:82-95 '63. (MIRA 17:6)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

TOPORISHCHEV, G.A.; YESIN, O.A.; KALUGIN, V.N.

Anodic polarization of silicon in the system copper-slag. Izv. vys. ucheb. zav.; tsvet. met. 6 no.4:64-70 '63. (MIRA 16:8)

1. Ural'skiy politekhnicheskiy institut, kafedra teorii metallurgicheskikh protsessov.
(Polarization (Electricity))
(Systems (Chemistry))

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

TOPORISHCHEV, G.A.; YESIN, O.A.; KALUGIN, V.N.

Silicon passage from molten iron into slag on the anode.
Izv. vys. ucheb. zav.; chern. met. 7 no.2:19-25 '64.
(MIRA 17:3)

1. Ural'skiy politekhnicheskiy institut.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

KALUGIN, V.N.; YESIN, O.A.; TOPORISHCHEV, G.A.

Simultaneous determination of the diffusion coefficients of silicon and manganese in liquid cast iron and steel by the chronopotentiometric method. Fiz. met. i metalloved. 17 no.1:88-93 Ja '64. (MIRA 17:2)

1. Ural'skiy politekhnicheskiy institut im. S.M.Kirova.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

KALUGIN, V.N.; YESIN, O.A.; TOPORISHCHEV, G.A.

Electrode polarization and diffusion coefficients of sulfur and aluminum in liquid iron saturated with carbon. Ukr. khim. zhur. 30 no.8:817-823 '64. (MIRA 17:11)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

TOPORISHCHEV, G.A.; YESIN, O.A.; KALUGIN, V.N.

Kinetics of high temperature electrode processes studied by the galvanostatic method. Dokl. AN SSSR 157 no.1: 162-164 Jl '64 (MIRA 17:8)

1. Ural'skiy politekhnicheskiy institut im. S.M. Kirova. Predstavleno akademikom A.N. Krumkinym.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

L 01165-66 EWT(1)/EWP(m)/EPA(sp)-2/EPA(w)-2/T-2/EWA(m)-2 IJP(c)
ACCESSION NR: AP5018853 UR/0382/65/000/002/0055/0065
533.95 : 538.4

49,55 49,55 49,55 49,55

AUTHOR: Bertinov, A. I.; But, D. A.; Vasyukevich, P. V.; Kalugin, V. M. 52 B

TITLE: Designing channels for vortex flows of a weakly ionized gas in a trans-

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

SOURCE: Magnitnaya gidrodinamika, no. 2, 1965, 55-66

TOPIC TAGS: MHD flow, turbulent flow, supersonic flow, subsonic flow

ABSTRACT: The behavior of a vortex flow of an ionized gas under the retarding force of a transverse magnetic field is studied. Magnetohydrodynamic equations 1,44,55 are employed without the heat loss and heat transfer terms to describe radial flow in subsonic and supersonic regimes. Three types of channels are considered and it is shown that temperature and Joule heating depend on the channel contours; both behave differently in subsonic and supersonic regimes. The detailed analysis is limited to subsonic cases. Finite solutions are found for constant temperature, constant tangential velocity and constant Mach number. The Appendix contains the

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solution of the Abel's equation of the second kind. Orig. art. has: 31 formulas, 3 figures.

Card 1/2

I 01165-66

ACCESSION NR: AP5016653

ASSOCIATION: none

SUBMITTED: 01Feb65 ENCL: 00 SUB CODE: ME, EN

NO REF SOV: 003 OTHER: 000

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

Card 1/2

BORTINOV, A.I.; BUT, D.A.; KALUGIN, V.N.

Magnetic systems of magnetogasdynamic machines. Mag. gidr. no.3:145-154 '65. (MIRA 18:10)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

L 31261-66 EWT(1)/T-2/EWA(d) IJP(c) AT

ACC NR: AP5024915 UR/0382/65/000/003/0145/0154

AUTHOR: Bertinov, A.I.; But, D.A.; Kalugin, V.N.

ORG: None

TITLE: Magnetic systems for rotating plasma magnetohydrodynamic machines

SOURCE: Magnitnaya gidrodinamika, no. 3, 1965, 145-154

TOPIC TAGS: magnetohydrodynamic generator, plasma generator design, plasma generator magnet, plasma generator magnet theory

ABSTRACT: The paper deals with configuration choice and with design parameters determination for magnetic systems of magnetohydrodynamic generators. Efficient design of the magnetic system is here of importance because of its overwhelming relative weight. Two magnetic winding configurations are discussed. System I, with internal winding, Fig. 1, and system II, with external winding, Fig. 2. In the figures, Φ_δ is the working flux; Φ_{σ_1}, Φ_{σ_2} are the stray flows of the winding, and Φ_{σ_3} is the interpole stray flux. System I has the advantage of low weight and convinient plasma intake, but suffers from yoke saturation and from difficulties with plasma effusion. Its stray flux coefficients in representative designs are less than or equal to 1.5. System II does not have the above disadvantages, but its longer length of the average winding turn leads to an increased weight. Its stray flux coefficients in representative designs are equal to or larger than 2.0. The system has also difficulties with plasma entry. Formulas

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for flux scattering coefficients and for design parameters are evolved, and recommendations for system configuration selection are offered. Orig. art. has 5 figs, 36 formulas.

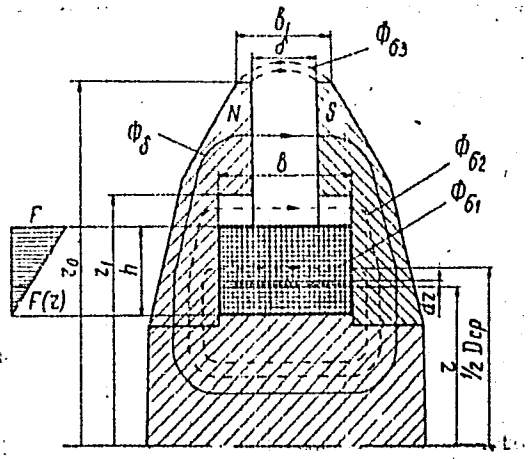

Fig. 1. Sketch of System I magnetic system.

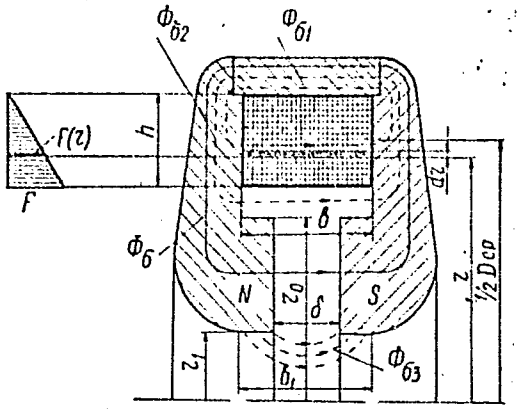

Fig. 2.
Sketch of magnetic system II

SUB CODE: 20/ SUBM DATE: none ORIG REF: 001

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

L 34114-66 EWT(1)/EWP(m)/T-2 IJP(c)

ACC NR: AP6008830 SOURCE CODE: UR/0294/66/004/001/0066/0072

AUTHOR: Bertinov, A. I. (Moscow); But, D. A.; Kalugin, V. N.; Vasyukevich, P. V. Vasyukevich, P. V. (Moscow)

ORG: None

TITLE: The approximate computation of the variation in the electric conductivity of a gas in a vortex magnetohydrodynamic flow /

SOURCE: Teplofizika vysokikh temperatur, v. 4, no. 1, 1966, 66-72

TOPIC TAGS: MHD flow, electric conductivity, gas conductivity

ABSTRACT: A majority of articles devoted to the investigation of vortex MHD flow average out gas conductivity and assume it to be constant. It is known, however, that the conductivity of a weakly ionized gas depends on pressure and to a considerable degree on temperature which may vary substantially along the radius during axisymmetric twisting of a conducting gas in an axial magnetic field. The present authors perform an analysis of vortex MHD flow with the assumption that conductivity depends on temperature as a power function. An ideal conducting gas is studied with part of the total enthalpy being converted to electric power. The authors demonstrate the influence of taking into account the variations of conductivity on the basic parameters of the flow. Orig. art. has: 6 figures and 42 formulas.

Card 1/2 UDC 537.311.37

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

L 34114-66
ACC NR: AP6008830

SUB CODE: 20 / SUBM DATE: 23Feb65 / ORIG REF: 003 / OTH REF: 002

Card 2/2

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

KALUGIN, V.P.; KRYMUS, V.N.

Age of the Chaaldzha series in the western Kopetdag. Sov. geol. 6 no.9:150-153 S '63. (MIRA 17:10)

1. TSentral'naya kompleksnaya tematicheskaya ekspeditsiya Upravleniya geologii i okhrany nedr pri Sovete Ministrov Turkmenskoy SSR.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

KALUGIN, V.P.

Stratigraphy of the Turonian, Coniacian, and Santonian deposits of the Lesser Balkhan. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no.1:69-77 '65. (MIRA 18:7)

1. TSentral'naya kompleksnaya tematicheskaya ekspeditsiya Upravleniya geologii i okhrany nedr pri Sovete Ministrov Turkmenskoy SSR.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

ARSLANOVA, A.Kh.; BELYAKOV, V.D.; BERGER, B.I.; VASIL'YEV, A.S.; GAVRILOV, N.A.; GEL'MAN, L.I.; KALUGIN, V.P.; KOROSTELEV, V.Ye.; KRAMER, I.I.; MIKHAYLOVSKIY, V.T.; ROGOZIN, I.I.; SEREBRYAKOV, L.V.

Combined vaccination with chemical and living vaccines. Voen.-med. zhur. no. 1:78-80 Ja '60. (MIRA 14:2)
(VACCINATION)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

KALUGIN V. V. and KALUGIN V. I. (1841-1914)

"Founder of experimental oncology."

Veterinariya, Vol. 38, No. 12, December 1961, P. 67.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

KALUGIN, V.I., dotsent; KALUGIN, V.V.

I.I. Ravich, an outstanding pathologist and experimenter in Russian veterinary medicine. Veterinariia 39 no.6:85-88 Je '62 (MIRA 18:1)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

POLYANCHIKOV, M.I.; KALUGIN, V.V.

Sources of commercial poultry raising in our country.
Veterinariia 42 no.8:117-118 Ag '65.
(MIRA 18:11)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

NIKOL'SKII, N.M.; KALUGIN, V.I., dotsent; KALUGIN, V.V., veterinarnyy vrach

From the history of veterinary medicine. Veterinariia 41 no.4:110-115 Ap '65. (MIRA 18:6)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

KALUGIN, V.V.

The brave scout. Veterinariia 42 no.5:21 My '65.
(MIRA 18:6)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

KALUGIN, Viktor Vasil'yevich; GUROV, S., red.; KUZNETSOVA, A., tekhn. red.

[Compaign against manual labor] Pokhod protiv ruchnogo truda. Moskva, Mosk. rabochii, 1963. 46 p. (MIRA 16:10)
(Moscow--Machinery industry--Technological innovations)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

DOBROKHOTOV, A.M.; KALUGIN, V.I., dotsent; KALUGIN, V.V.

History of veterinary medicine. Veterinariia no.12:66-69 D '63.
(MIRA 17:2)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

TAYTS, N.Yu., doktor tekhn. nauk; KLEYNER, M.K., inzh.; ZAVALISHIN, Ye.K., inzh.; KALUGIN, Ya.P., inzh.; FALILEYEV, I.L., inzh.; KAGAN, N.I., inzh. [deceased]; Prinimali uchastiye: POPOV, V.N. inzh.; CHUYKOV, A.A., inzh.; MINUKHINA, L.N., inzh.; KHATSAREVICH, V.R., inzh.; TOLMACHEVA, I.A., inzh.; BAZHENOVA, V.N., inzh.

Technological and thermodynamic characteristics of strip heating for the continuous furnace welding of pipes. Stal' 24 no.8:746-750 Ag '64. (MIRA 17:9)

1. Ukrainskiy nauchno-issledovatel'skiy trubnyy institut, Ural'skiy nauchno-issledovatel'skiy trubnyy institut i Chelyabinskiy truboprokatnyy zavod.

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L 18475-66 EWT(d)/EWT(m)/EWA(d)/EWP(t)/EWP(k)/EWP(l) JD/HW

ACC NR: AR6009958 SOURCE CODE: UR/0137/65/000/012/D012/D013

AUTHOR: Kaufman, M. M.; Gleyberg, A. Z.; Finkel'shteyn, Ya. S.; Kuryatnikov, A. V.; Kukarskikh, V. N.; Chemerinskaya, R. I.; Salyuk, L. A.; Pil'nikova, N. N.; Vedyakin, N. M.; Sultinskikh, A. N.; Kalugin, Ya. P.

ORG: none

TITLE: Improving the quality of stainless steel pipe

SOURCE: Ref. zh. Metallurgiya, Abs. 12D101

REF SOURCE: Sb. Proiz-vo svarn. i besshovn. trub. Vyp. 4. M., Metallurgiya, 1965, 51-59

TOPIC TAGS: stainless steel, pipe, metal rolling, metal heat treatment, metal inspection, steel/Kh18N10T steel

TRANSLATION: An intensified process is developed for heating metal. Experimental rolling showed that use of this process reduces scrap due to flaws on the interior surface of pipes to ½ at primary inspection. Reducing temperature for metal heating and pipe rolling and increasing feed angle of rolls on the piercing mill (10°-10° 30') improves pipe quality. Kh18N10T steel with a high concentration of α-phase (14-16%) results in an increased rate of pipe scrap at initial inspection (up to 70%), as well as a high percentage of rejects at final inspection (up to 70%), as well as a high percentage of rejects at final inspection (up to 15%). Therefore this grade of steel with an α-phase concentration of more than two points ball cannot be recommended for pipe production. L. Kochenov. [JPRS]

UDC: 621.785.1

Card 1/1 SUB CODE: 13

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

KALUGIN, Ye.

Centers of payment in the self-service stores. Sov. torg. 33 no. 9:52-54 S '60. (MIRA 14:2)
(Self-service stores) (Store fixtures)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

KALUGIN, Ye., inzh.

Prefabricated store fixtures. Sov. torg. 34 no.9:36-37 S '61.
(MIRA 14:9)

(Store fixtures)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

KALUGIN, Ye.

Equipment for textile stores. Sov. torg. 36 no.2:46-48 F '63.
(MIRA 16:4)

(Textile industry—Equipment and supplies)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

PHASE I BOOK EXPLOITATION SOV/4689

Ashkerov, V. P., B. G. Zabelok, Ye. I. Kalugin, and L. P. Shevchenko

Voyska protivovozdushnoy oborony strany (Air Defense Forces of the Country) Moscow, Voyenizdat, 1960. 217 p. No. of copies printed not given. (Series: Biblioteka ofitsera)

General Ed.: P. K. Demidov; Ed.: P. V. Fesenko; Tech. Ed.: T. F. Myasnikova.

PURPOSE: This book is intended for officers of the Soviet Armed Forces, from platoon leader to regimental commander, who are not specially trained in air defense.

COVERAGE: The book deals with active air defense both in the Soviet Union and in other countries, presenting past development and present state. The role of air defense in the overall defense organization of a country is described. Principles governing use of air defense facilities are given. Sections 3 and 4 of Chapter IV are based on non-Soviet press information. G.S. Desnitskiy

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APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

and A. N. Kochurov took part in the writing of the book. There are 17 references, all Soviet (8 translations into Russian).

TABLE OF CONTENTS:

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

DEBKOVA, I.N.; KALUGIN, Yu.K.

Investigating the mechanism of a crosscutter with a duplex four-link chain. Bumagodel. mash. no.12:73-78 '64. (MIRA 17:11)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

LUKASHEVICH, Sergey Ivanovich; KALUGINA, A.A., red.; VOROBEY, P.S., red.; ZUYKOVA, V.I., tekhn. red.

[Problems of the economics of interfarm building organizations] Voprosy ekonomiki mezhkolkhoznykh stroitel'nykh organizatsii. Minsk, Izd-vo Akad. sel'khoz.nauk BSSR, 1961. 149 p. (MIRA 15:7)

(Collective farms—Interfarm cooperation)
(Construction industry)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

KALUGINA, A.A.

KALUGINA, A.A. (Petrozavodsk)

Specific composition and distribution of algae at the Zimniy Coast of the Dvina Bay of the White Sea. Bot.zhur. 42 no.4:628-634 Ap '57. (MLRA 10:5)

(Zimniy Coast--Algae)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

KALUGINA, A. A., Cand Biol Sci -- (diss) "Flora of algae of the White Sea." Len, 1958. 19 pp (Acad Sci USSR, Botanical Inst im V. L. Komarov), 125 copies (KL, 16-58, 118)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

KALUGINA, A.A.

Species and distribution of algae in shore waters of the Solovetski Archipelago. Bot. zhur. 43 no.2:270-277 F '58. (MIRA 11:5)

1. Botanicheskiy institut im. V.L. Komarova Akademii nauk SSSR, Leningrad.

(Solovetski Islands—Algae)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

KALUGINA, A.A.

New algae hitherto unknown in the White Sea. Trudy Bot. inst. Ser. 2 no.12:176-187 '59. (MIRA 12:12)
(White Sea--Algae)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

KALUGINA, A.A.

New algae from the White Sea. Bot.mat.Otd.spor.rast. 12:149-153 Ja '59. (MIRA 12:12)
(White Sea--Algae)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4

KALUGINA, A.A.

Conference on oceanography and maritime meteorology in Tuapse. Izv. Vses. geog. ob-va 94 no.4:363-364 Jl-Ag '62. (MIRA 15:9)
(Black Sea region—Conservation of natural resources)
(Black Sea—Water purification)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620210015-4"

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KALUGINA, A.A., kand.biolog.nauk

Algae cast ashore by the storm as an inexpensive fertilizer. Priroda 53 no.4:92-93 '64. (MIRA 17:4)

1. Novorossiyskaya nauchno-issledovatel'skaya stantsiya im. prof. V.M.Arnol'di.

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"Comparative Quantitative Evaluaton of Dry and Wet Dysentery Bacteriophage Preparations Under Laboratory Conditions," Zhur. Mikrob., Epidem. i Immunobiol., no. 10, pp. 7-13, 1946

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"The Nature of the Changes in Dysentery Bacteriophag e During Storage," Zhur. Mikrob., Epidemiol. i Immunobiol., no. 1, p. 89,1947

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Cand Med Sci

KALUGINA, A. N.

Dissertation: "Activity of the Corpuscles of Dysenteric Bacteriophage and Method for its Determination."
2/2/50

Acad Med Sci USSR

SO Vecheryaya Moskva
Sum 71

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KALUGINA, A.N.

ARUTYUNOV, V.Ya., prof.; BERKOVICH, I.M., doktor med.nauk; BUNIN, K.V., prof. VELIKORETSKIY, A.N., prof.; GAMBURG, R.L., doktor med.nauk; GLASKO, N.M.; ZVYAGINTSEVA, S.G., doktor med.nauk; IVENSKAYA, A.M., kand.med. nauk; KALUGINA, A.N, kand.med.nauk; KAMINSKAYA-PAVLOVA, Z.A., prof. KVATER, Ye.I., prof.; KOLEN'KO, A.B., prof.; KOSSYURA, M.B., kand. med.nauk; KRAVETS, B.M., doktor med.nauk; KRISTMAN, V.I., kand.med. nauk; KRUZHKOV, V.A., dotsent; LIKHACHEV, A.G., prof.; LUKOMSKIY, I.G., prof.; MASHKOVSKIY, M.D., prof.; ROZENTAL', A.S., prof.; SERBYSKIY, M.Ya. [deceased], prof.; TURETSKIY, M.Ya., kand.med.nauk; KHESIN, Ye.Ye., dotsent; EMDINA, Kh.L., kand.med.nauk; SHABANOV, A.N., prof.; red.; BONDAR', Z.A., red.; ZAKHAROVA, A.I., tekhn.red.

[Medical handbook for feldshers] Meditsinskii spravochnik dlia fel'dsherov. Izd. 6-oe, perer. i dop. Moskva, Gos. izd-vo med. lit-ry, 1957. 899 p. (MIRA 10:12)
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SOV/136-59-2-11/24

AUTHORS: Plekhanov, A.F., Podval'nyy, S.I., Zyazev, A.D. and Kalugina, A.T.

TITLE: Elimination of Copper from the Cobalt-Oxide Production Cycle (Vyvod medi iz tsikla pri proizvodstve okisi kobal'ta)

PERIODICAL: Tsvetnyye Metally, 1959, Nr 2, pp 49-52 (USSR)

ABSTRACT: The existing method at the Ufaleyskiy Nikelevyy Zavod (Ufaley Nickel Works) for removal of copper from cobalt solutions is to precipitate with soda ash. This gives a copper cake with 0.3 to 0.5% cobalt which has to be reprocessed, leading to deleterious accumulation of copper in the first stage of cobalt-oxide production. The work described had the object of exploring the possibilities of using sodium hyposulphate for the precipitation, giving a copper cake which could be eliminated from the production cycle. Laboratory experiments showed (Fig 1) that 300% (or 7.5 kg per kg copper) of the theoretical amount of hyposulphate was necessary to precipitate all the copper independently of acidity (0.04 to 0.05% Co in the precipitate), that the best temperature for precipitation was 80 to 90°C

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Elimination of Copper from the Cobalt-Oxide Production Cycle

the best hyposulphate concentration 10 to 20% (Fig 2) and duration 12 to 15 minutes (Fig 3). On the basis of these satisfactory results production trials on a mechanically-stirred vessel of 4.2 m^3 capacity were organized. In one series iron-free solutions were used, in the other the solutions contained iron. The results (table) were substantially the same in both series but the duration of the subsequent operation of cobalt precipitation by chlorine took 30% longer with the iron-free solutions. The consumption of hyposulphate could be reduced to 4.8 kg/kg copper by increasing the time interval between successive additions to 30 minutes and the cobalt content in the cake was low enough (0.1% max) to make further treatment unnecessary. The yield of copper cake was twice as low as with soda ash. The authors conclude that the possibility of copper precipitation with sodium hypo-sulphite has been established. There are 3 figures and 1 table.

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TARASOVA, A.G.; KALUGINA, A.Ya.

Production of propionic acid at the Asha wood-chemical combine. Gidroliz. i lesokhim. prom. 17 no.3:24-25 '64. (MIRA 17:9)

1. Ashinskiy lesokhimicheskiy kombinat.

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TARASOVA, A.G.; KALUGINA, A.Ya.; YAKUSHKOVA, A.Ye.

Three-column continuous action apparatus for the production of acetic acid. Gidroliz. i lesokhim.prom. 18 no.1:24-25 '65.
(MIRA 18:3)

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KALUGINA, E.N.

Use of soil concrete in building houses with few stories in the Central Urals. Trudy NII prom.zdan.i soor. no.4:36-38 '61. (MIRA 15:5)

(Central Urals—Concrete construction) (Foundations) (Soil cement)

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SHARAPOVA, T.A.; GAVRILYUK, B.K.; NIKONOVA, V.G.; KALUGINA, G.A.

Some data on colienteritis morbidity in Vladivostok. Trudy VladIEMG no.2:172-176 '62. (MIRA 18:3)

1. Iz Vladivostokskogo nauchno-issledovatel'skogo instituta epidemiologii, mikrobiologii i gigiyeny i Vladivostokskoy detskoy bol'nitsy No.2.

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KALUGINA, G. I.,

USSR/Chemical Technology - Chemical Products and Their Application. Fermentation Industry, I-27

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 63595

Author: Kalugina, G. I., Maltabar, V. M.

Institution: None

Title: Correction of Excess Acidity of Wine

Original Periodical: Sadovodstvo, vinogradarstvo i vinodeliye Moldavii, 1955, No 6, 45-46; Moldavian

Abstract: To determine the amount of chalk required to lower wine acidity it is recommended to use organoleptic rating of 5 samples of treated wine after addition of chalk in amounts of 0.33 g/l to the second, 0.66 g/l to third, one g/l to fourth and 1.33 g/l to the fifth sample, with thorough stirring and allowing to stand for 24 hours. The first sample serves as control. The sample having the best taste is used as the basis in calculating the necessary amount of chalk for the entire batch of wine. Addition of 0.33 g/l chalk lowers the acidity of

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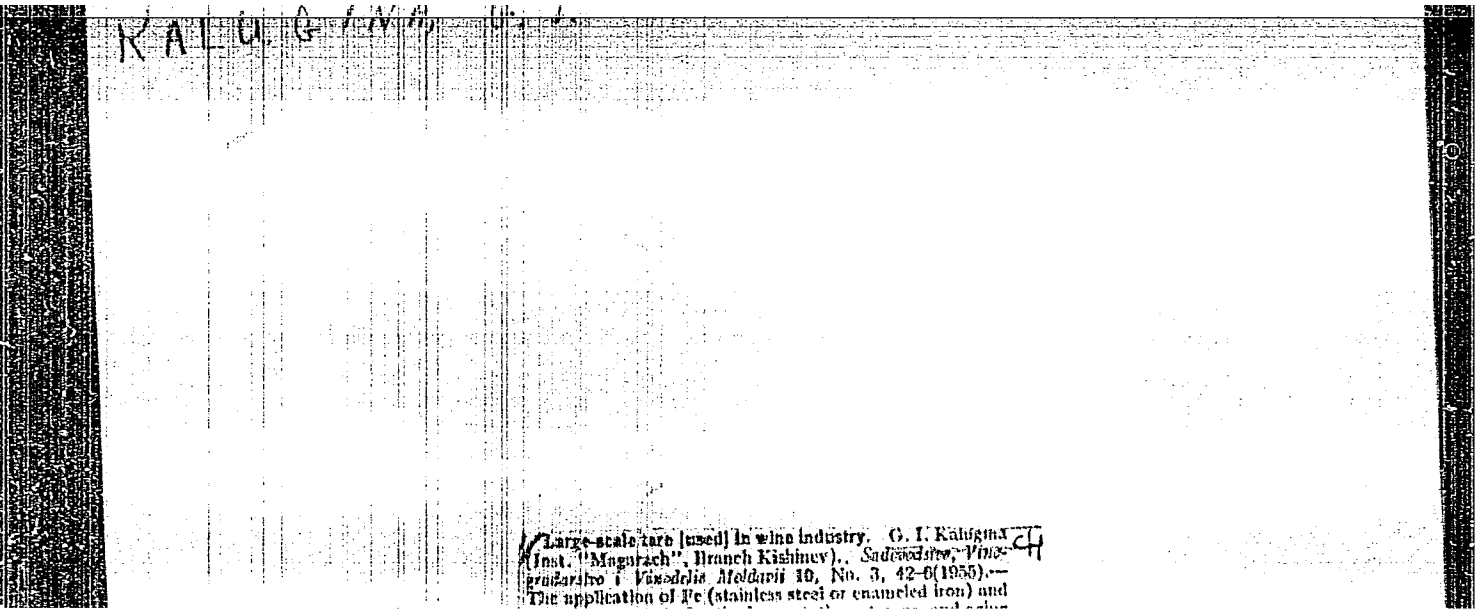

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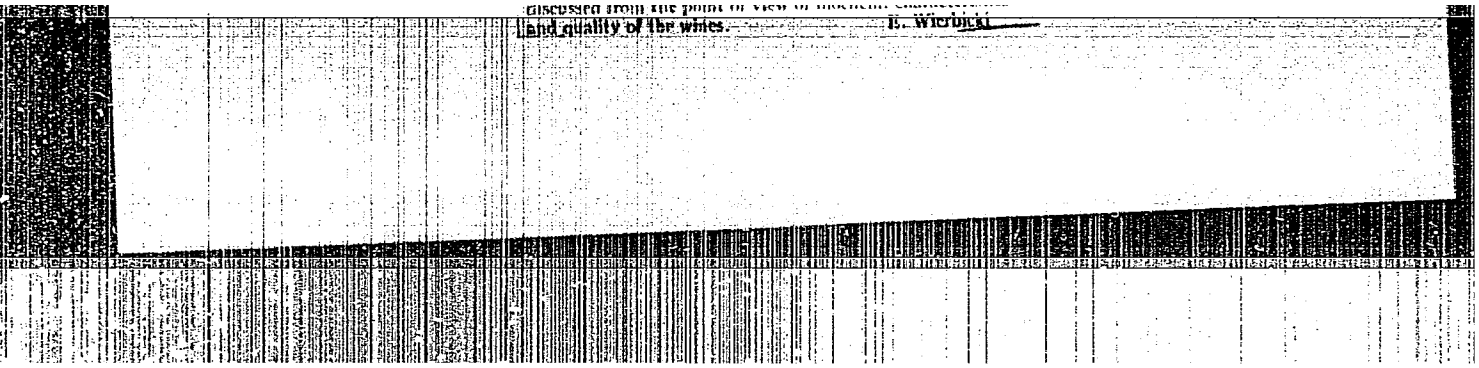

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[Viticulture and wines of Moldavia] Vinodelie i vina Moldavii. Moskva, Pishchepromizdat, 1957. 178 p. (MIRA 10:12)
(Moldavia--Viticulture) (Moldavia--Wine and wine making)

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