

ARSENT'YEV, V.V.

Main astronomical phenomena in 1964. Priroda 52 no.12:
125-128 '63. (MIRA 17:3)

1. Gosudarstvennyy astronomicheskiy institut im. P.K.
Shternberga, Moskva.

ACC NR: AR601616

SOURCE CODE: UR/0058/65/000/011/0012/0012

AUTHOR: Arsent'yev, V. V.

53
B

TITLE: Contribution to the theory of development of a pulsed electric discharge channel in a liquid medium. I.

SOURCE: Ref. zh. Fizika, Abs. 11089

REF SOURCE: Uch. zap. Mosk.obl. ped. in-ta, v. 147, 1964, 201-210

TOPIC TAGS: electric discharge, discharge plasma, liquid state

ABSTRACT: The author considers the main physical processes occurring in the development of an electric discharge in liquid media. The plasma characteristics are calculated, and the channel energy-balance and the Kirchhoff equation for the discharge circuit as well as the equation of motion of the channel are derived.
[Translation of abstract]

SUB CODE: 20

Card 1/1

L 26650-65
ACCESSION NR: AT5002740

3

literature) and it is sometimes unclear what information is of Soviet or Western origin. Among the topics discussed are the solar spectrum at various wavelengths, solar X-radiation, the cycle of solar activity, solar radio emission, the concentration of neutral hydrogen in the solar atmosphere, temperature and electron concentration in the solar atmosphere and the spectra of hot stars. Section III, devoted to Luna-4, and Section IV, which discusses the joint space flight of 1963, are exceedingly brief and do not include even many of the most important facts concerning these events, although the latter section is more detailed and includes fragmentary data on orbital parameters, spacecraft conditions, reaction of the cosmonauts and certain of their activities while in orbit. Section V, describing the maneuvering satellite Poiet-1 includes information on its orbital parameters and importance in the development of space science and considerable detail on the evolution of the orbit of Vostok-3. Orig. no. has: 12 figures and 7 tables.

ASSOCIATION: None

SUBMITTED: 04Aug64

ENCL: 00

SUB CODES: SV, AA

NO REF SOV: 000
Card 2/2

OTHER: 000

5334-00 EWP(h)/EWA(h)/EWA(k)/EWA(c)/EWT(1)/EWT(m)/EWT(k)/EWP(b)/EWA(d)/EWP(e)

WW/JD/HF

ACC NR: AP5027271

SOURCE CODE: UH/0207/63/000/005/0051/0057

AUTHOR: Arsent'yev, V. V. (Novocherkassk)

ORG: None

TITLE: Contribution to the theory of pulsed discharges in a liquid medium

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 5, 1965, 51-57

TOPIC TAGS: electric discharge, wave propagation, shock wave, discharge plasma

ABSTRACT: The author derives equations for the energy balance, the number of particles, and the rate of channel expansion for the case of a pulsed underwater discharge. Since the general hydrodynamic equations with boundary conditions on the channel interface and on the shock-wave front are too nonlinear to be used for the solutions of these equations, several simplifying assumptions are made. One is the experimental fact that the rate of expansion of the channel is constant during the first quarter-cycle of the discharge, so that the problem becomes similar to that of an expanding piston and self-similar solutions can be obtained. Another simplification is attained by assuming the liquid between the discharge channel and the shock-wave front to be incompressible. It is shown that a sta-

52
53

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L 5394-66

2

ACC NR: AF5027271

tionary channel expansion mode exists in which the shock wave moves without a change in the characteristic. This stationary mode corresponds to a shock-wave velocity of 1600--2000 m/sec. The efficiency with which the electric energy of the discharge is converted into mechanical shock-wave energy is estimated. The calculations are compared with some experimental data. The author thanks N. A. Roy and D. P. Prolov for supplying some experimental data. Orig. art. has: 25 formulas and 3 tables. [02]

SUB CODE: ME/ SUBM DATE: Oct 65/ ORIG REF: 006/ OTH REF: 002/
AID PRESS: 4138

Card 2/2 PS.

ACC NR: AR6013659

SOURCE CODE: UR/0658/65/000/010/E010/E010

AUTHOR: Arsent'yev, V. V.

TITLE: Theory of the development of a pulsed electric discharge channel in a liquid medium

SOURCE: Ref. zh. Fizika, Abs. 10E73

REF SOURCE: Uch. zap. Mosk. obl. ped. in-ta, v. 147, 1964, 211-222

TOPIC TAGS: discharge plasma, plasma radiation, incompressible fluid

TRANSLATION: The physical processes governing the initial stage in the development of a pulsed electric discharge channel in a liquid are discussed. Approximate equations are set up to describe these processes. They include the conductivity of the channel and energy emission in it, diffusion of particles of liquid into the channel, energy absorption with the dissociation and ionization of gas in the channel and the motion of the walls of the channel due to the pressure of the heated gas. It is assumed that the liquid is incompressible and that the density gradient of the plasma in the channel is zero. The complete system of equations to describe the initial stage of the development consists of three equations in three time dependent unknowns: the radius of the cylindrical channel, plasma temperature, current strength. These equations are machine soluble. Mechanisms for plasma radiation are reviewed and energy losses to radiation are estimated. N. Kuznetsov.

SUB CODE: 20
Card 1/1

SENZYUK, K.D.; BERLIN, S.S.; ASNER, B.G. [Asner, B.H.]; IUZ'MITSKIY, V.M.
[Kuz'myts'kyi, V.M.]; ARSENT'YEV, Ye.D. [Arsent'iev, IE.D.];
SHIMANSKAYA, G.G. [Shymans'ka, H.H.]; PINSKIY, A.Ye. [Pyns'kyi, A.IE.];
KHOMENKO, A.I.; GAMPEL', A.O. [Hampel', A.O.]

Proposals of efficiency promoters. Leb.prom. no.4:46-52 O-D
'62. (MIRA 16:5)

(Kiev--Knit goods industry--Technological innovations)
(Odessa--Knit goods industry--Technological innovations)
(Kiev--Cotton manufacture--Technological innovations)

1. ARSENT'YEVA, A.V.
2. USSR, (600)
4. Public Health; Medicine - Study and Teaching;
Midwives
7. 150th anniversary of the Central Feldsher and Mid-
wives School of the Moscow Department of Public
Health., Fel'd. i akush., no. 1, 1952
Direktor Shkoly
- 9a. Monthly List of Russian Accessions, Library of
Congress, March 1952. UNCLASSIFIED.

MELYAVKO, V.V.; ARSENT'YEVA, K.A.

Consolidation of the preparatory and cutting shops. Shvein.prom.
no.2:5-7 Mr-1p '62. (MIRA 15:4)
(Leningrad--Clothing industry)

16.6800

S/194/61/000/003/011/046
D201/D306

AUTHOR: Arsent'yeva, N.G.

TITLE: Certain transformations of program systems

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 3, 1961, 5, abstract 3 B39 (V sb. Probl. kibernetiki, no. 4, M., Fizmatgiz, 1960, 59-68)

TEXT: Certain problems of linear algebra are considered, in particular the multiplication of matrices and the evaluation of the characteristics equation of the matrix by the Levenier method and by the modified Faddeyev method. The modifications of programming schematics originally intended for solving these problems to those which utilize certain peculiarities of fundamental data (in particular the matrix symmetry). The suggested transformation would result in the more rational use of a computer. [Abstracter's note: Complete translation]

J
B

Card 1/1

ISSUE 1 BOOK REVOLUTIONS 067/2179

Problems in Mathematics, 779. (Problems of Cybernetics, no. 4) Moscow, Plenum Press, 1965, 277 p., 10,000 copies printed.

Contributors: A.Y. Izrael, S.S. Gerasimov, B.N. Pilyavskiy, I.M. Zhuravskiy, V.A. Shostakov, and A.V. Zhukovskiy, M.M. A.V. Yakovlevskiy, I.M. Zhuravskiy, and S.S. Pilyavskiy, Tech. Div. S.S. Zubovskiy, Chief of Div. A.V. Zubovskiy.

NOTE: This book is intended for mathematicians and scientists interested in the problems of cybernetics and systems control.

CONTENTS: The book is a collection of articles on cybernetics, the theory of control systems, information theory, programming, computers, control processes in living organisms, and mathematical linguistics. The author thanks the following persons for their assistance: P. Ya. Vrublevskiy, A.P. Korovin, V.M. Shostakov, V.I. Korovin, V.I. Korovin, S.S. Gerasimov, S.S. Gerasimov, and S.S. Pilyavskiy. Subsequent copy sent of the articles.

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APPENDIX: Abbreviations of Symbols

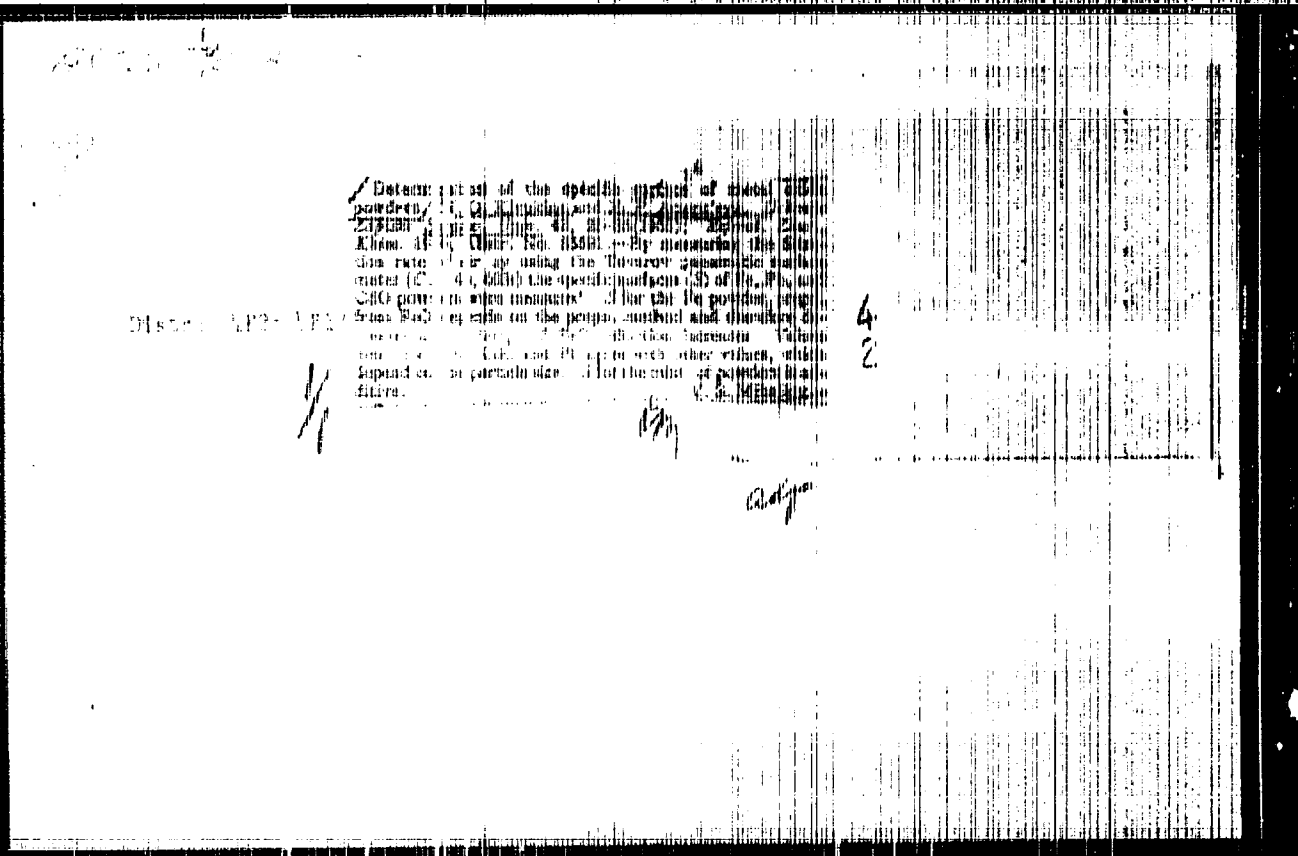
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067/2179
10-5-65

ARSENT'YEVA, N.G.

Synthesis of sentences of the Russian language by machine.
(MIRA 17:1)

NTI no.6:24-31 '63.



ARSENT'YEVA, Yekaterina Ivanovna; KODES, I.I., kand. ped. nauk, nauchnyy
red.; KOZLOVA, V.A., red.

[How the globe was discovered (from the history of geographical
discoveries); a bibliography of recommended literature for
students in grades 6-8]Kak otkryvali zemnoi shar (iz istorii
geograficheskikh otkrytii); rekomendatel'nyi ukazatel' litera-
tury dlia uchashchikhsia 6-8 klassov. Leningrad, Publ'chnaia
biblioteka, 1962. 62 p. (MIRA 16:1)
(Bibliography--Discoveries (in geography))

ARSENT'YEVA, Yekaterina Ivanovna; TIMOFEYEVA, I.B., redaktor

[Conquest of the poles; a bibliography for students in 7-10 grades] Zavoevaniie polimov; ukazatel' literatury dlia uchashchikhsia 7-10 klassov. Leningrad, Gos. publichnaia biblioteka imeni M.M. Saltykova-Shchedrina, 1957. 35 p. (MIRA 10:4)
(Bibliography--Arctic regions)
(Bibliography--Antarctic regions)

ARSENT'YEVA, Yekaterina Ivanovna; NEVSKIY, V.V., kand.geograf.nauk,
nauchnyy red.; KOZLOVA, V.A., red.

[From the history of geographical discoveries: Africa,
Australia, Oceania; list of recommended literature for
grades 6-8] In istorii geograficheskikh otkrytii; Afrika,
Avstraliia, Okeaniia; rekomendatel'nyi ukazatel' lite-
ratury dlia 6-8 klassov. Leningrad, Pablichnaia biblioteka.
1959. 52 p. (MIRA 13:2)

(Bibliography--Geography)

24 6710

S/058/62/000/003/089/092
AC61/A101

AUTHORS: Arsent'yev, V. V., Arsent'yeva, Ye. L.

TITLE: Theory of electric discharge development in a liquid

PERIODICAL: Referativnyy zhurnal, Fizika, no. 3, 1962, 72, abstract 3Zh457
(Sb. "Primeneniye ul'traakust. k issled. veshchestva", no. 14,
Moscow, 1961, 101-109)

TEXT: The specific electrical conductivity of a discharge plasma in a liquid and the channel radius of primary ionization are estimated for the edge - plane arrangement. The change with time of channel radius, electrode potential, resistance of channel and discharge current is examined. Particular calculations are carried out for chemically pure water. There are 5 references.

Yu. Mostovoy

[Abstracter's note: Complete translation]

Card 1/1

S/194/62/000/005/075/157
D222/D309

AUTHORS: Arsent'yev, V.V., and Arsent'yeva, Ye.L.

TITLE: On the theory of electric discharge in liquids

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika,
no. 5, 1962, abstract 5-5-33a (V. sb. Primeneniye
ul'traakust. k issled. veshchestva, no. 14, M., 1961,
101-109)

TEXT: A theoretical investigation into the processes accompanying
an electric discharge in liquids. The problems considered are: The
electrical conductivity of the discharge plasma, the electric field
in a spike-plane system, the radius of the primary ionization chan-
nel, the variation of this radius and of the electrode voltage dur-
ing the discharge and the impedance and current of the discharge.
5 references. [Abstractor's note: Complete translation].

Card 1/1

S/194/62/000/003/055/066
D201/D301

AUTHORS: Arsent'yev, V. V. and Arsent'yeva, Ye. L.

TITLE: Theory of the electric discharge developing in a liquid

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 3, 1962, abstract 3zh457 (V sb. Primeneniye ul'traakust. k issled. veshchestva, no. 14, M., 1961, 101-109)

TEXT: The evaluation of specific electric conductivity of discharge plasma in a liquid and of the radius of the channel of primary ionization are given for a point-plane system. The time change of the channel radius and of the discharge current are studied. Numerical calculations are made for chemically pure water. 5 references. [Abstracter's note: Complete translation.]

Card 1/1

ARSEN'YAN, T.I.; SEMENOV, A.A.

Comparison of statistical characteristics of the fluctuation of the field of direct and reflected ultrashort radio wave signals in the troposphere. Radiotekh, i elektron. 7 no.10:1649-1702 0'62.
(MIRA 15:10)

1. Fizicheskiy fakul'tet Moskovskogo gosudarstvennogo universiteta im. M.V.Lomonosova.
(Microwaves) (Ionospheric radio wave propagation)

L 15606-66
ACQ NR: AP6008219

SOURCE CODE: BU/0011/65/018/004/0377/0380

AUTHOR: Zolotovitch, G.; Arsenyan, E.; Paskaleva-Tonova, K.

19 B

ORG: Experimental Station for Roses and Essential-Oil Plants, Kazanluk; Research Scientific Laboratory for Tobacco Technology, Plovdiv

TITLE: Leaf pigments in Virginia tobacco and improved paper-chromatographic method of their separation

SOURCE: Bulgarska akademiya na naukite, Doklady, v. 18, no. 4, 1965, 377-380

TOPIC TAGS: pigment, paper chromatography, chlorophyll, plant metabolism, processed plant product

ABSTRACT: The study of leaf pigments in tobacco is of particular significance and of immediate practical interest; namely, there is a direct relationship between the color of tobacco and the color of the leaf pigments. Some researchers are of the opinion (see, e.g., P. P. Arsenyan, *Sortovedeniye i fermentatsiya tabaka* /Types and Fermentation of Tobacco/, M., 1956; L. Dimitrov, *Buzhens i fermentatsiya na tyutyuna* /Drying and Fermentation

Card 1/2

L 15606-66
ACC NR: AP6008219

of Tobacco], P., 1960) that the intense green color of the chlorophyll pigment screens the yellow-orange color of the carotenoids in the tobacco leaf. It is only after the former has been destroyed that the characteristic yellow color of dried tobacco appears. As far as Bulgarian tobacco is concerned, there are no investigations on the quality composition of their leaf pigments or on their content in various qualities of tobaccos of one and the same type. The present work describes the results of investigations of dried tobaccos of the Virginia type having the I (light yellow), II (light brown), and III (green) quality according to the system of commercial classification in Bulgaria. The paper was submitted by Academician P. Popov, 26 November 1964.

Orig. art. has: 1 figure and 1 table. L-PRS

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 001 / OTH REF: 008
SOV REF: 002

SE
Card 2/2

I 15607-66

ACQ NR: AP6008220

SOURCE CODE: BU/0011/5/012/001/0021/0024

AUTHOR: Paskaleva-Tomova, K.; Arsenyan, E.; Sechenka, N. 28
B

ORG: Research Scientific Laboratory for Tobacco Technology, Plovdiv; Institute of Plant Physiology, Bulgarian Academy of Sciences

TITLE: Investigations of the relation between the free amino acids and the color of light flus-cured Virginia tobacco

SOURCE: Bulgarska akademiya na naukite. Doklady, v. 18, no. 4, 1965, 381-384

TOPIC TAGS: amino acid, plant physiology, fermentation, processed plant product, plant chemistry

ABSTRACT: There has been growing interest in recent years in the complex of free amino acids in tobacco at the various stages of its treatment. This is due to the established fact that the free amino acids play an essential part in the process of formation and changes in color of tobacco and to the fact that the formation of colored products with the participation of amino acids can take place both along the enzyme path (see, e.g., Right et al., Arch. Biochem. and Biophys., 86, 1960) and along nonenzyme

Card 1/2

L 15607-66
AGC NR: AP6008220

paths (see, e.g., H. S. Burton et al., Nature, 196, 1962, No 4928). Since it is well known that during artificial fermentation, the different degree of humidity of the tobacco brings about essential differences in the processes of color changes, even when the fermentation of tobacco takes place at the same temperature, the authors investigated the relations between the free amino acids and the color of light Virginia tobacco flue-cured under various temperature and humidity conditions. The results indicate that the complex of free amino acids is composed primarily of representatives of the neutral and acid groups of amino acids. They also show that the changes in free amino acids are affected in an essential manner by the conditions of treatment.

The paper was submitted by Academician P. Popov, 30 November 1964. Orig. art. has 2 tables. [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 002 / OTH REF: 008
SCW REF: 002

TS
Card 2/2

SEMENOV, A.A.; ARVENC'IAN, T.I.

Study of the properties of fluctuations of the field of
ultrashort radio waves in propagation in the troposphere.
Meteor. Izv. no. 9:203-222 '63. (MIRA 19:1)

BULGARIA

Plant Physiology

ARSENYAN, Ye., PASKALEVA-TOMOVA, K., Scientific-Research Group for Tobacco Technology, Plovdiv

"A Method of Study of Oxidation Processes During the Fermentation of Tobacco"

Sofia, Doklady Bolgarskoy Akademii Nauk, Vol 19, No 3, 1966, pp 229-232

Abstract: [Russian article] There is insufficient evidence yet that during the fermentation of tobacco there appears a simultaneous decrease in substrata and an inactivation of agents - oxidizing enzymes causing such a decrease. Consequently, the authors introduced additives made of active oxidizing enzymes eliminating the effect of enzyme complex inactivation and studied the absorption of O₂ in water suspension of tobacco of various types before and after the fermentation. Differences in O₂ absorption were established not only between different kinds of tobacco but also in tobacco of the same kind which differed in color. It is important to note that there was little difference in O₂ absorption of fermented and nonfermented tobacco following the addition of the enzyme preparation. It appears that the reduced capability of water suspension of fermented tobacco to absorb O₂ is basically caused by the inactivation of oxidizing enzymes rather than because of a depletion of substrata. There are 1 Yugoslav, 4 Soviet, and 4 Western references. (Manuscript received, 25 Dec 65.)

1/1

BULGARIA

ARSENYAN, Ye., PASKALEVA-TOMOVA, K., STALEV, S., Scientific Research Group
for Tobacco Technology, Plovdiv

"The Study of the Characteristics of Oxidation Processes during the
Fermentation of Eastern Tobaccos"

Sofia, Doklady Bolgarskoy Akademii Nauk, Vol 19, No 4, 1966, pp 309-312

Abstract: /Russian article/ While the need for tobacco fermentation is fully understood, the characteristics of the actual processes during fermentation are not completely clarified yet. The authors developed a method (Dokl. BAN, 19, 1966, No 3) which eliminates the inactivation of the complex of oxidizing enzymes and used it for the study of seasonal and out-of-season fermentation of tobaccos of varying moisture content. Results show that in all cases the amount of absorbed O₂ by the aqueous solution of tobacco is identical. At the same time the oxygen index and the activity of the polyphenoloxidase decrease considerably during the course of fermentation, indicating that the oxygen index marks only the degree of inactivation of the oxidizing enzymes. There are 2 Bulgarian, 7 Soviet, and 5 Western references. (Manuscript received, 15 Jan 66.)

1/1

ARSEN'YEV 11-11
AYZENSHTADT, D.S.; ARSEN'YEV, A.A.

Eradication of gray rats in sewer canals. Gig. i san., no.8:45-47
Ag '54. (MIRA 7:9)

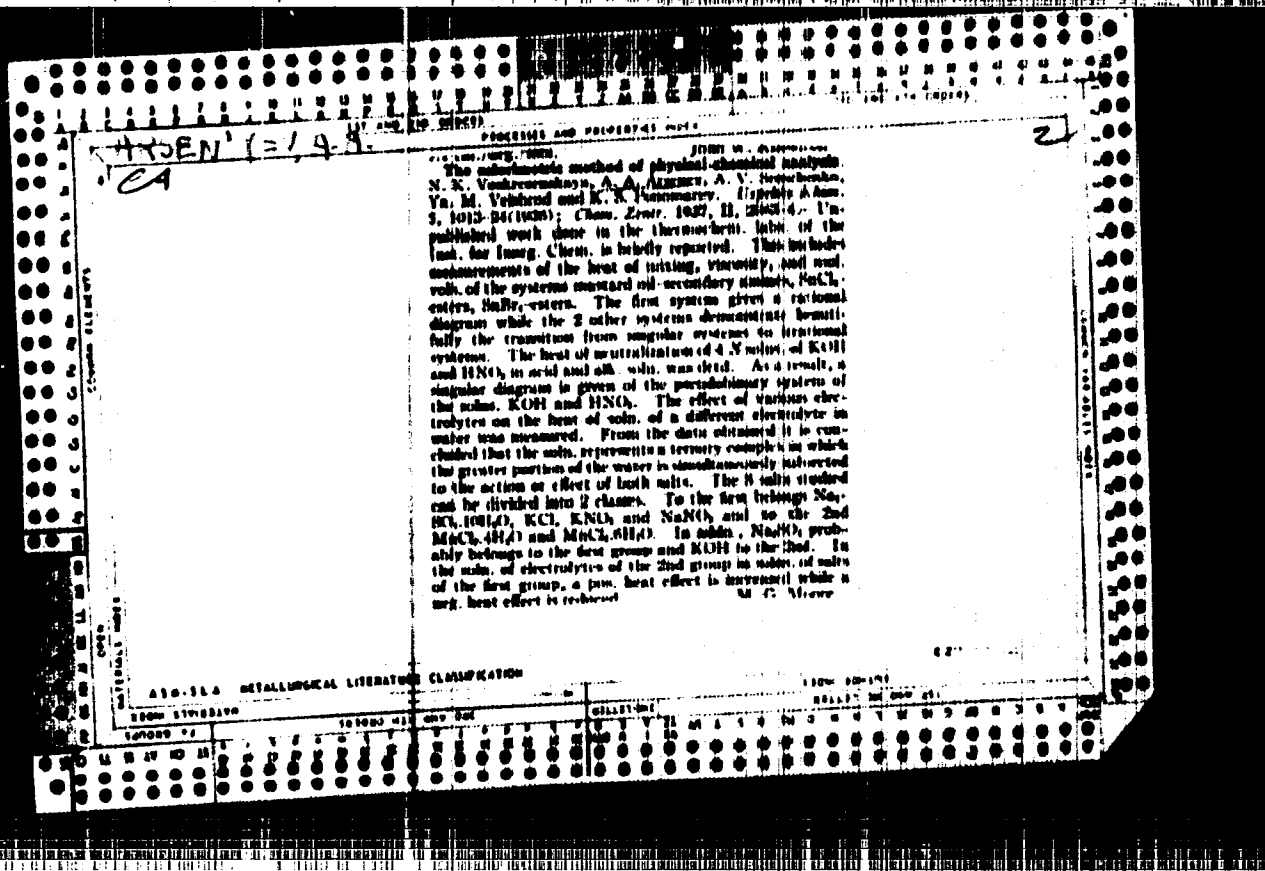
1. Iz sanitarno-epidemiologicheskogo otryada i Odesskogo gorodskogo
otdeleniya profilakticheskoy dezinfektsii.

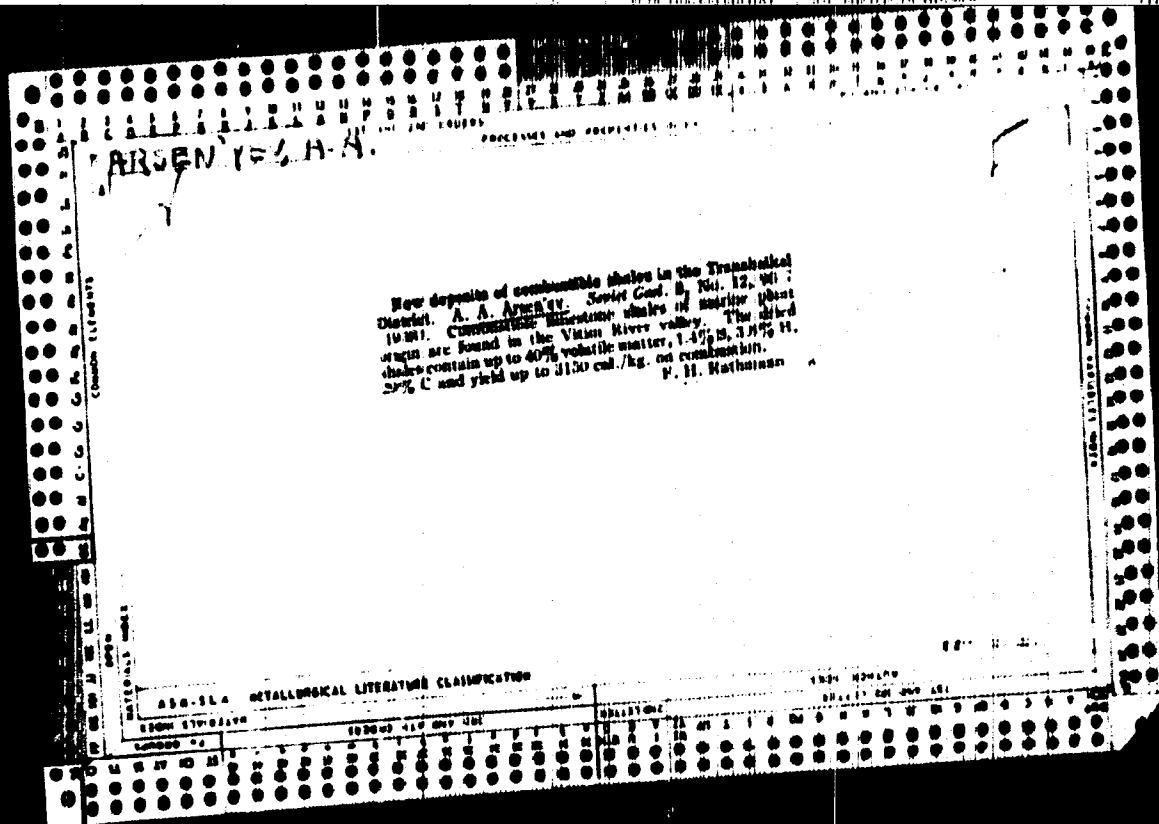
(RATS,
control in city canalisation in Russia)
(SANITATION,
canalisation, control of rats in Russia)

AIKENSHTADT, D.S.; ARSEN'YEV, A.A.

Zinc phosphide for poisoning the Norway rat. Trudy probl. i tek.
sov. no.5:93-98 '55. (MLRA 8:12)

1. Sanitarno-epidemiologicheskii otdel Odeskogo voyennogo okruga
(Rats--Extermination) (Pesticides)





1A 10728

ARSEN'YEV A. A.

USSR/Geology

Rock formation

May 1945

"The Cambrian and Trans-Angara Area," A. A. Arseniev,
E. A. Nechaeva, 26 pp

"Izv Ak Nauk Ser Geol" No 5

Results of a two-year structural and geological
survey in the basin of the Angara and its right-
hand side tributaries, the Khda, Ida and Oda.

10728

25299

AKHMEV, A. Pytb khitel'nykh, strogo kharit'no gosudarstvennuyu
taynu. Voen. Svyazis', 1948, No. 7, S. 12-15

30: Leto is'Zhurnal Staley, No. 30, Moscow, 1948

ARSEN'YEV, A.A.

Mountainous region of Olekma, Vitim, and Barguzin Rivers.
Trudy Lab.geol.dokem. no.1:117-136 '52. (MLRA 7:2)
(Olekma Valley--Geology) (Geology--Olekma Valley)
(Vitim Valley--Geology) (Geology--Vitim Valley)
(Barguzin Valley--Geology) (Geology--Barguzin Valley)

Автомат, А. А.

Geologists

Evgenii Sergeevich Jobin, Zap. Vses. min. ob., 81 No. 1, 1952

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

ARSEN'YEV, A. A. (and others)

Geologists

Vladimir Vladimirovich Dombrovskiy, Zap. Vses. min. ob. 81 No. 1. 1952

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

ARSEN'YEV, A.A.

Mesozoic continental deposits of the Olakna-Vitim mountain
region. *Bul.MOIP.Otd.geol.* 29 no.6:63-73 N-D '54. (MIRA 8:2)
(Olakna Valley--Geology, Stratigraphic)
(Vitim Valley--Geology, Stratigraphic)

Subject : USSR/Engineering AID - P-166
Card : 1/1
Author : Arsen'yev, A.
Title : Drilling of Devonian Stratum with Average Velocity of
22.2 meters/hr (72.8 ft/hr)
Periodical : Neft. khoz., v. 32, #1, 64, Ja 1954
Abstract : Oil well drilling through the hard rocks of the
Devonian stratum is reported. Various velocities
for different conditions are given.
Institution : None
Submitted : No date

ARSEN'YEV, A.A.

Jurassic deposits in the Tunguska-Vilyui depression. Dokl. AN
SSSR 105 no.1:141-143 N '55. (MLRA 9:3)

1. Predstavleno akademikom N.S. Shatakin.
(Lower Tunguska Valley--Geology, Stratigraphic)
(Vilyui Valley--Geology, Stratigraphic)

BILIBIN, Yuriy Aleksandrovich; BENTKHTIN, A.G., akademik, otvetstvennyy
redaktor; ARSEN'YEV, A.A., redaktor izdatel'stva; SONGOROV, B.A.,
tekhnicheskyy redaktor

[Principles of the geology of alluvial deposits] Osnovy geologii
rossypel. Izd. 3-e. Moskva, Izd-vo Akademii nauk SSSR, 1956. 463 p.
(Alluvium)
(MIRA 9:9)

ARSENTEV, A.A

USSR / Cosmochemistry, Geochemistry, Hydrochemistry,

D

Abs Jour : Raf Zhur - Khimiya, No 3, 1957, No 7851

Author : Arsonyov, A.A. and Noshayova, Yo.A.

Inst : Not given

Title : Some Geochemical Peculiarities of the Lower Paleozoic Deposits Along the Middle Basin of the Vilya River (YakSSR)

Orig Pub : Dokl. AN SSSR, 1956, Vol 108, No 6, 1109-1118

Abstract : Ninety-nine spectroscopic analyses have been made on rock samples from a normal stratigraphic section including four formations: (1) the Ust'kutak bed--S₁ (dolomites, sandy and clayey dolomites, sandstones, and conglomerates); (2) the Krivoluts bed--S₂-5 (dolomites, sandy-clayey dolomites, and limo-sandstone dolomites); (3) the Moik bed--S₃-8 (limestones, dolomitic limestones, and limo-sandstone dolomites) and (4) the Vilyuchan bed--S₄ (marls, clays, clayey limestones, and dolomites. Pb and Ga are found in increased

Card : 1/2

ARSEN'YEV, Aleksey Aleksandrovich; BUFF, Lesar' Samoylovich; LEVITS,
Aleksandr Moiseyevich; LEVITSKIY, O.D., otvetstvennyy red.;
IL'INA, N.S., red.isd-vo; RYLINA, Yu.V., tekhn.red.

[Geological structure of Chita Province; a brief account]
Geologicheskoe stroenie Chitinskoi oblasti; kratkii ocherk.
Moskva, Izd-vo Akad. nauk SSSR, 1958. 102 p. (MIRA 11:5)
(Chita Province--Geology)

15(6)

AUTHORS:

SOV/30-58-11-5/48

Arsen'yev, A. A., Zaytsev, N. S., Candidates of Geology and
Mineralogy

TITLE:

Mineral Resources of the Siberian Plateau (Mineral'nyye bogatstva Sibirskoy platformy)

PERIODICAL:

Vestnik Akademii nauk SSSR, 1958, Nr 11, pp 28-37 (USSR)

ABSTRACT:

The Siberian Plateau comprises parts of the **Krasnoyarskiy kray, of Irkutskaya oblast,** of the Buryatskaya ASSR, as well as the western part of the Yakutskaya ASSR. The whole region bordered in the west and east by the gigantic rivers Yenisey and Lena is as yet not very much explored. A comprehensive geological exploration of this region was not started before 1940. Since then important mineral resources have been discovered and surveying was carried out. A general plan for the structural plotting of this plateau was designed in 1932 by N. S. Shatskiy, Member, Academy of Sciences, USSR, as well as a scheme of tectonics by N. S. Zaytsev, Yu. M. Pushcharovskiy (Figure 1). Figure 2 shows where the places of discoveries of mineral resources of sedimentary genesis are situated whereas figure 3 gives information about the locali-

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Mineral Resources of the Siberian Plateau

SOV/30-58-11-1/48

ties of minerals of various genesis. A comparison of figure 1 and 2 shows how the kinds of minerals occurring are dependent upon certain structural formations. Almost all coal fields of the plateau correspond to tectonic structures. The discoveries of copper and nickel in the northwest of the plateau are of great importance for industry. At the southern border of the plateau **the Aldanakiy, Belyudinskiy, Yeniseyskiy rayons** are situated, well-known for their gold deposits. On the territory of East-Siberia there are large deposits of mica. Rock-salt is very common on the plateau and is found in great quantities. The Noril'skiy gornodolnyy kombinat (Noril'sk Ore-Mining-Kombinat) is the one important industry at present busy in this region. In the near future **the Yeniseyskiy and Angarskiy** shall become great centers of industry. Iron-ore and other minerals are to be worked here. The construction of a railroad has been started from the station of Achinsk. The **Angarskiy rayon** will possess the enormous hydroelectric power plant Bratskaya, which is to provide electricity together with the Irkutsk GES, which is already in operation, for the southern part of the plateau. In the south of the territory of the Yakutskaya ASSR a center of metallurgy shall

Card 2/3

SOV/30-58-11-5/40

Mineral Resources of the Siberian Plateau

be established. The exploit of the Yakutskiye diamond-fields encounters great difficulties since the deposits are in the river basins of Vilyuy and Olenek where the only means of traffic are air lines and waterways during the short summer. All scientific institutions of the USSR and especially the ~~Siberian~~ Branch of the AS USSR must participate in the development of the industry of East-Siberia. There are 3 figures.

Card 3/3

ARSEN'YEV, A.A., kand. geologo-mineral.nauk, otv.red.; ASKASINSKIY, V.V., inzh.-
geolog, red.; LBYTES, A.M., inzh.-geolog, red.; POPOV, S.D., doktor
geologo-mineral.nauk, red.: Sostaviteli kart: LAPKIN, S.I.; SULER-
ZHITSKIY, L.D.; GALUSHEKO, Ya.A., red.isd-va; ASTAP'YENVA, G.A.,
tekh.n.red.

[Mineral deposits in Chita Province; ferrous and nonferrous metal
deposits] Poleznye iskopaemye Chitinskoi oblasti; chernye metally
i nemetallicheskie poleznye iskopaemye. Moskva, 1959. 141 p.

(MIRA 13:2)

1. Akademiya nauk SSSR. Sovet po izucheniyu proizvoditel'nykh
sil. 2. Institut geologicheskikh nauk AN SSSR (for Lapkin,
Sulershitakiy).

(Chita Province--Ore deposits)

OFFMAN, P. Ye.; CHUMAKOV, N.M.; SHATSKIY, N.S., akademik, (glavnyy red.;
TUJOLISOV, D.A., red.toma; ARSEN'YEV, A.A., red.toma; KUN, N.R.,
red.isd-vs; ASTROV, A.V., red.isd-vs; GUSEVA, A.P., tekhn.red.

[Tectonics of the U.S.S.R.] Tektonika SSSR. Glav.red.N.S.
Shatskii. Moskva. Vol.4. [Tectonics and volcanic pipes in the
central part of the Siberian Platform] Tektonika i vulkanicheskie
trubki tsentral'noi chasti Sibirskoi platformy. [Stratigraphy and
tectonics of the southwestern part of the Vilyuy lowland] Strati-
grafiia i tektonika iugo-zapadnoi chasti Viliuiskoi vpadiny.
1959. 461 p. (MIRA 12:11)

1.Akademiya nauk SSSR. Geologicheskii institut.
(Russian Platform--Geology, Structural)
(Russian Platform--Volcanoes) (Vilyuy Lowland--Geology)

TIKHOMIROV, V.V.; ALESN'TSEV, A.A., otv.red.; KIRILLOVA, I.V., red.
1sd-vs; MARIOVICH, S.G., tekhn.red.

[Geology in Russia in the first half of the 19th century]
Geologia v Rossii pervoi poloviny 19 veka. Moskva, Izd-vo
Akad.nauk SSSR. Pt.1. 1960. 227 p. (MIRA 13:5)
(Geology)

ARSEN'YEV, A.A.

Geology of the Glenek-Markha interfluve. Mit.po genl.i pol.iskop.
Irk.ASSR no.5:58-85 '61. (MIRA 15:7)
(Glenek Valley--Geology) (Markha Valley--Geology)

ARSEN'YEV, A.A.

Characteristics of kimberlite distribution in the eastern part of the
Siberian Platform. Dokl.AN SSSR 137 no.5:1170-1173 Ap '61.
(MIRA 14:4)

1. Geologicheskii institut AN SSSR. Predstavleno akademikom N.S.
Shatskim.

(Siberia, Eastern--Kimberlite)

SUSOV, M.V.; ARSEN'YEV, A.A.

Geology of the Kuoynka-Merchinden region (Yakut A.S.S.R.).
Geol. i geofiz. no.6:25-38 '62. (MIRA 15:7)

1. Geologicheskii institut AN SSSR, Moskva, i Vilyuynkaya
ekspeditsiya Vsesoyuznogo aerogeologicheskogo tresta Ministerstva
geologii i okhrany nedr SSSR.

(Kuoynka Valley--Geology)
(Merchinden Valley--Geology)

L 16112-66 EWT(d)/EWT(1) LJP(c)

ACC NR: AP5025113

SOURCE CODE: UR/0208/15/005/005/0564/0022

AUTHOR: Arsen'yev, A. A. (Moscow)

ORG: none

TITLE: Cauchy's problem for the linearised Boltzman equation

SOURCE: Zhurnal vychislitel'noy matematiki i matematicheskoy fiziki, v. 5, no. 5, 1965, 864-882

TOPIC TAGS: Cauchy problem, Boltzman equation, asymptotic solution, gas kinetic equation

ABSTRACT: In the literature concerning Cauchy's problem for the linearised Boltzman equation in the kinetic theory of gases no attempt was made to determine the behavior of the solution for $t \rightarrow \infty$ and to construct asymptotic solutions in terms of ϵ (ϵ being the ratio of the length of the molecular free run to the characteristic dimension of the problem) for $\epsilon \rightarrow 0$. The author arrived at a solution of Cauchy's problem for the Boltzman equation in the entire space and studied the limiting case for $t \rightarrow \infty$ and its asymptotic for $\epsilon \rightarrow 0$. The last two questions were closely related and were solved by investigating the resolvent of the collision operator perturbed by the product operator. The author considers

Card 1/2

UDC: 517.9:533.9

L 16112-66

ACC NR: AP5025113

2

the equation

$$F(\alpha, x, 0) = \left(\frac{1}{\alpha}\right)^{\eta} e^{-\alpha x} + e^{-\alpha x} \eta / (\alpha, x, 0),$$

representing at the instant $t = 0$ the distribution of the number of particles in the phase-space, where $|\eta| \ll 1$, α is a dimensionless velocity and x a dimensionless coordinate. He gives the asymptotic solution for $t \rightarrow \infty$ and the construction of the asymptotic in terms of t for $t \rightarrow 0$. The author expresses his thanks to A. N. Tikhonov and A. A. Samarskiy for help and advice. Orig. art. has: 5 formulas and 1 table.

SUB CODE: 12,20 / SUBM DATE: 28Jan65/ OTH REF: 007

not
Card 2/2

ACC NR: AP601.352

SOURCE CODE: UR/0708/66/006/002/0375/0380

AUTHOR: Arsen'yev, A. A. (Moscow)

51
B

ORG: none

TITLE: Solution of a dispersion equation for a linearized Boltzmann equation in the kinetic theory of rarefied gases

SOURCE: Zhurnal vychislitel'noy matematiki i matematicheskoy fiziki, v. 6, no. 2, 1966, 375-380

TOPIC TAGS: gas kinetic theory, Boltzmann equation, rarefied gasdynamics, sound propagation

ABSTRACT: A method for solving the problem of the propagation of a sound wave in an ideal monatomic rarefied gas on the basis of a direct solution of the dispersion equation for a linearized Boltzmann equation is discussed. The method offers a close approximation to experimental data. Mathematical aspects of the method, namely, a theorem on the existence of a solution and the behavior of the roots, and the structure of the distribution function which is the solution of the dispersion equation, are presented. An existence theorem is stated and proved in order to solve the problem of locating non-trivial solutions. The author thanks A. A. Samarskiy for his attention and interest in the work. Orig. art. has: 38 formulas.

SUB CODE: 20,12/

SUBM DATE: 21May65/

ORIG REF: 002/

OTH REF: 006

Card 1/1 MLP

UDC: 517.9:533.9

Автомобиль, автомобильный транспорт.

Utilizing local manpower in road construction; an experiment in speeding construction of roads and bridges. Moskva, Doriznat Gashosdora, 1962. 49 p. (49-57869)

TE220.A7

1. Roads - Maintenance and repair. 2. Roads - Russia. I. Mishin, K. A.

Light-dut road construction in Burma. Madaya, Dordzhat, 14. 66. (47-44887)

T4230.A7

ABSEN'YEV, A.A., kandidat tekhnicheskikh nauk; RITOV, M.N., inzhener;
BRAKMAN, V.M., otvetstvennyy redaktor; KHAMIN, I.S., tekhnicheskiiy redaktor.

[Organisation of road construction work] Organizatsiia dorozhne-stroitel'nykh rabot. Moskva, Derisdat, 1947. 192 p. (MLRA 8:2)
(Road construction)

ARSEN'YEV, A.A., kandidat tekhnicheskikh nauk.

Organisation of road construction operations and demands on the
machine construction industry. Mekh.stroi. 4 no.5:2-5 Ny '47.
(MLRA 9:2)

1. Dorozhnyy nauchno-issledovatel'skiy institut MVD.
(Road machinery)

Автомобильная дорожная техника.

The complex mechanization of excavations on automobile highways. Moskva. Dorizdat, 1949.
215 p. (50-23443)

TEL45.A75

1. Road construction.
2. Road machinery.
3. Earthwork.

1000-1000 Александр Алексеевич, из.

Organization of road construction according to the method of continuous operations--Moskva,
Dorizdat, 1952. 275p. (52-44613)

TE145.A755)

L. Road construction.

ARSEN'YEV, A.A.; ZOLOTNITSKIY, N.D., kandidat tekhnicheskikh nauk;
KISHLEV, Ya.L.; KOSUCHOV, S.N.; MYL'NIKOV, P.V.; TOBOROV, A.S.

[Safety measures in road building] Tekhnika besopasnosti na dorozhnom
stroitel'stve. Moskva, Avtotransisdat Ministerstva avtomobil'nogo
transporta i shosseinykh dorog SSSR, 1953. 186 p. (MLRA 7:4)
(Road construction--Safety measures)

ARSEN'YEV, A.A., kandidat tekhnicheskikh nauk, redaktor; POZHEV, A.M.,
tekhnicheskii redaktor.

[Temporary directive on the construction of main automobile
highways under winter conditions] Vremennaya instruktsiia po
stroitel'stvu registral'nykh avtomobil'nykh dorog v zimnikh
usloviakh. Moskva, Gos. izd-vo lit-ry po stroit. i arkhitektu-
re, 1954. 18 p. (MLRA 8:2)

1. Russia (1923- U.S.S.R.) Ministerstvo putey soobshcheniya.
(Road construction--Cold weather conditions)

BOTVINKO, M.Ye., laureat Stalinskoy premii, inzhener; GIBSHIY, V.A., laureat Stalinskoy premii, inzhener; GORBATOV, N.A., laureat Stalinskoy premii, inzhener [deceased]; LAPIN, F.A., laureat Stalinskoy premii, inzhener; KROMBERG, A.A., professor, redaktor; ARSEN'YEV, A.A., kandidat tekhnicheskikh nauk; TOVSTOLCHESKIY, N.I., redaktor; KOVCHENKINA, N.P., tekhnicheskii redaktor

[Concrete, asphalt concrete and rock crushing plants in road building; planned designs and standard equipment] Betonnye, asfal'tbetonnye i kamnedrobil'nye zavody na dorozhnom stroitel'stve; prakticheskiye resheniya i tipovoye oborudovaniye. Pod red. A.A.Kromberga. Moskva, Ministerstvo avtomobil'nogo transporta i shosseinykh dorog SSSR. Pt. 1. [Rock crushing, cement, and concrete plants and centers for the manufacture of concrete plates and reinforced concrete building units] Kamnedrobil'nye i tsementobetonnye zavody tsakhi i bazy dlia ingotirovaniya betonnykh plit i shelenobetonnykh detalей. 1954. 160 p. [Microfilm]
(Concrete) (Asphalt concrete) (MIRA 7:10)
(Stone, Crushed)

ARSEN'YEV, Aleksey Alekseyevich; BOCHIN, Valeriy Aleksandrovich; IVANOV, Nikolay Nikolayevich; FISHCHUKOV, M.A., redaktor; KOGAN, P.L., tekhnicheskij redaktor.

[Building automobile roads] Stroitel'stvo avtomobil'nykh dorog. Moskva, Nauchno-tekhn. iss-vo avtotransp. lit-ry, №1: [Principal methods of organizing work and constructing the roadbed]. Osnovnye metody organizatsii rabot i postroyka zemliannago polotna. Pod obshchei red. N.N. Ivanova. 1955.183 p. (MLRA 9:4)
(Road construction)

ARSEN'YEV, A.A.; PLOTNIKOV, S.A., redaktor; KOGAN, P.L., tekhnicheskiy
refaktor

[The experience of leaders in road building] Opyt peredovikov
dorozhnogo stroitel'stva. Pod obshchey red. A.A.Arsen'eva. Moskva,
Nauchno-tekhn. izd-vo avtotransp. lit-ry. No.1. 1956. 82 p.
(MLRA 9:9)

1. Moscow. Gosudarstvennyy vsesoyuznyy dorozhnyy nauchno-issledova-
tel'skiy institut.

(Road construction)

ROZKHBYUM, Abram Pikhusevich; ARSEN'YEV, A.A., redaktor [deceased];
GALAKTIONOVA, Ye.N., tekhnicheskii psakktor

[Progressive work methods in operating truck-mounted asphalt
spreaders] Peredovye metody raboty na avtogudromatere; in opyta
rabochikh-novatorov Ushhedera BSSR N.I.Korena i A.I.Vasil'eva.
Moskva, Nauchno-tekhn. izd-vo avtotransp. lit-ry, 1956. 16 p.
(Asphalt) (MIRA 10:1)
(Road machinery)

100818-66 EWT(d)/EWT(m) IJP(c) JD/JW

ACCESSION NR: AP5021268

UB/0020/65/163/003/1104/1106

AUTHOR: Arsen'yev, A. A.

TITLE: Cauchy problem for the linearized Boltzmann equation

SOURCE: AN SSSR. Doklady, v. 163, no. 5, 1965, 1104-1106

TOPIC TAGS: differential equation, Boltzmann equation, thermodynamics

ABSTRACT: The author considers the linearized Boltzmann equation

$$\frac{\partial f}{\partial t} + v \frac{\partial f}{\partial x} = \frac{1}{\nu} Lf,$$

$$x = (x_1, x_2, x_3), \quad v = (v_1, v_2, v_3), \quad 0 \leq |x| \leq \infty; \quad 0 \leq |v| \leq \infty, \quad (1)$$

$$f|_{t=0} = f(x, v, 0),$$

where L is a linear operator not depending on x or t. He defines what is meant by a solution of (1), proves existence of a solution, and investigates the asymptotics. These results are of use in investigating the behavior of a rarefied gas. The author makes use of this opportunity to express his deep gratitude to his scientific advisers A. A. Samarskiy and corresponding member of the AN SSSR, A. N. Tikhonov, who proposed this subject to him, for all their advice." Orig. art. has 3 figures

Card 1/2

LO0818-66

ACCESSION NR: AP5021268

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University) ²

SUBMITTED: 10Dec64 ⁵⁵

ENCL: 00

SUB CODE: NA, TD

NO REF SOV: 000

OTHER: 005

mlh
Card 8/2

CA
MURZEN' (= 1, 4, 5)

Chemical composition and buffer capacity of the intestinal juices of oak and mulberry silk worms. A. R. Anonov and N. V. Zhornitskiy. *Doklady Vsesoyuz. Akad. Nauk SSSR* Vol. 17, Pt. 1, Series 10, No. 2, 25-27 (1958). A 0.1% V HCl soln. was added to the juices of the caterpillars, previously chkd. with H₂O, and treated w/ pH 4.0 (with phenolphthalein) and to 4.0 (with methyl orange). The 2 caterpillar types gave approx. the same titration, 16.4 for the oak and 15.25 milliequiv. for the mulberry worm, per 100 ml. of juice. The oak silk worm contains 1.4 milliequiv. of carbonate per 100 ml. of juice and the mulberry caterpillar 12.0 milliequiv. In the caterpillar tissues examined, bicarbonates were present in such a quantity as the oak worms 2 of the 16 milliequiv. consisted of carbonates. Practically all of the carbonates are combined with K. J. N. Joffe

USSR / Cultivated Plants. Plants for Technical Use. M-6
Sugar Plants.

Abs Jour: Ref Zhur-Biol., 1958, No 16, 73094.

Author : Arsen'ev, A. F.; Bromley, N. V.; Selinova, T. V.
Inst : Moscow Veterinary Academy.
Title : Manganese and Copper in the Leaves of Mulberry and
Oak.

Orig Pub: Tr. Mosk. vet. akad., 1957, 21, 222-231.

Abstract: In the ashes of leaves of the mulberry and oak collected in various rayons of the USSR, Mn and Cu were determined by the colorimetric method. These substances do not limit the viability of the bombyx since, in rayons where their content in the mulberry leaves is minimal, the development of the silkworm proceeds successfully. Food for the oak silkworm must contain a significant quantity of Mn.

Card 1/2

POTAPOV, V.K.; ARSENT'YEV, A.G.; KAZAKEVICH, V. Ye.; PISKUNOV, A.K.;
CHIZHEVSKAYA, N.N.

Automatic recording of ionization curves. Prib. i tekhn. eksp.
9 no.3:123-125 My-Je '64 (MIRA 18:1)

DONCHENKO, V.P.; OVODENKO, B.K.; ARSENT'YEV, A.I., kand. tekhn. nauk

Construction of the pit at the Novo-Krivorozh'ye Mining and Ore-dressing Combine. Gor.zhur. no.4118-22 Ap '61. (MIRA 14:4)

1. Direktor Novo-Krivorozhskogo gorno-obogatitel'nogo kombinata in Leninskogo komsomola (for Donchenko). 2. Nachal'nik proizvodstvennogo otdela Novo-Krivorozhskogo gorno-obogatitel'nogo kombinata in Leninskogo komsomola (for Ovodenko). 3. Krivorozhskiy gornorudnyy institut (for Arsent'yev).
(Krivoy Rog Basin--Iron mines and mining)
(Strip mining)

ARSEN'YEV, ALEKSANDER IVANOVICH

N/5
664
.A7

Razrabotak mestorozhdeniy traktorno--skrepernykh agrematani
(Mining deposits with tractor scraper units) Moskva, Metallurgizdat,
1955.

135 p. illus., diags., graphs, tables.

"Literatura" : p. 134-136

MEZENTSKY, Vladimir Andreyevich; MOSOVA, V., redaktor; ALEKSEEV, A. S.
nauchnyy redaktor; YEGOROVA, I., tekhnicheskikiy redaktor.

[Universe and atom] Vselennaya i atom. Moskva, Izd-vo TsK
VLESM "Molodaya gvardiya," 1954. 332 p. (MIRA 8:8)
(Cosmology) (Atoms)

ARSENEV, A.

USSR/Astronomy-Cosmogony

Card : 1/1

Authors : Arsenyev, A. S.

Title : ~~On the subjectivism of modern cosmogony~~
On the subjectivism of modern cosmogony

Periodical : Priroda, 6, 47 - 56, June 1954

Abstract : The author explains the specific features and the importance of cosmogony in the science of astronomy and criticizes the subjectivism and the struggle existing between materialism and idealism of Soviet scientists. The infiltration of subjectivity elements into popular astronomical literature of the USSR is being blamed.

Institution :

Submitted :

Авторы: Анохин Александр; Вишняков М., редактор; ЛАПЧЕНКО, К.,
технически редактор.

[Science and religion about the universe] Nauka i religia pro
vesvit. Kyiv, Derzh.vyd-vo polit.lit-ry USSR, 1957. 59 p.
(Cosmology) (MIRA 10:10)

GEL'PERIN, N.I., doktor tekhn.nauk; SOLOPENKOV, K.N., kand.tekhn.nauk;
ARSEN'YEV, D.M.

Continuous sulfonation of synthetic aliphatic alcohols. Masl.-
shir. prom. 24 no.10:22-26 '58. (MIRA 11:10)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M.V.
Lomonosova (for Gel'perin, Solopenkov). 2. Gosudarstvennyy nauchno-
tekhnicheskoy kontrol' Soveta Ministrov RSFSR (for Arsen'yev).
(Alcohols) (Sulfonation)

ARSEN'YEV, D.M.

School-seminar of leading experience in the production of
glycerine and the splitting of fats by the autoclave process.
Masl.-shir. prom 25 no.6:47 '59. (MIRA 12:8)
(Glycerol--Congresses)
(Oils and fats--Congresses)

GERSHENOVICH, A.I., kand.khim.nauk; ARSEN'YEV, D.M., inzh.; ZONOVA, L.P., inzh.

Hydroxyethylation of alcohols obtained by the method of direct oxidation
of liquid paraffins. Masl.-zhir.prom. 28 no.8:23-25 Ag '62.
(MIRA 17:2)

ARSEN'YEV, A.I., inventor.

Portable device for testing cables. Energetik 5 no.6:24-25 Jo '57.
(NERA 10:7)

(Electric cables--Testing)

AUTHOR: Arsen'yev, K.I., Engineer SOV/91-58-3-20/28

TITLE: The Location of Damaged Spots in High-Voltage Cables. Power Lines and Connecting Couplings (Opredeleniye mesta povrezhdeniya kabeley vysokogo napryazheniya, trassy i otyabaniye soyedinitel'nykh muft) Exchange of Experience (Obmen opytom)

PERIODICAL: Energetik, 1958, Nr 3, pp 26-27 (USSR)

ABSTRACT: Instead of applying the usual induction method to find out insulation breakdowns, cable-wire breaks or combined wire - insulation breaks, the author recommends to substitute the audio-frequency generator by pulse generator combined with an AI²-3 apparatus, as this enables the technicians to determine the injuries on the line itself. He gives operational instructions by specifying the procedures a) for finding-out cable injuries, b) for tracing the cable run, 3) for spotting connecting couplings. The portable and dismountable apparatus is so simple that it can be constructed in any workshop. There is 1 circuit diagram.

Card 1/1

AUTHOR: Arsen'yev, K.I., Engineer SOV-91-58-4-26/29

TITLE: A Cable Run Locator (Pribor dlya opredeleniya trassy kabelya)

PERIODICAL: Energetik, 1958, Nr 4, pp 30-31 (USSR)

ABSTRACT: A simple safe cable run locator has been designed (Figure 1). It weighs 6 kg and has a power consumption of about 60 w. It needs neither supervision nor regulation during operation. It consists of a pulse generator with pulse of 240 v at a frequency of 2 pulses per second. The a.c. voltage of 120 or 220 v at commercial frequency is converted and rectified by the "5Ts4S" type kenotron. A 2 mcfd capacitor is charged and its charge is transmitted to the cable by means of contacts driven by the "Warren" type motor. Since each contact is closed once per second, two pulses per second are transmitted to the cable if two contacts are available. The described apparatus is used for cable run location in con-

Card 1/2

A Cable Run Locator

SOY-91-58-4-26/29

junction with that of the "AIP-3" type.
There is 1 photo and 1 circuit diagram.

1. Electric cables--Testing equipment

Card 2/2

91-58-5-23/35

AUTHOR: Arsen'yev, K.I., Engineer

TITLE: Improved Frame for the Device AIP-3, for Determining by the Acoustic Method the Damage to Cables (Usovershenstvovannaya ramka k priboru AIP-3 dlya opredeleniya povreshdeniya kabeley akusticheskim metodom)

PERIODICAL: Energetik, 1958, Nr 5, pp 24-25 (USSR)

ABSTRACT: The device AIP-3 is currently used for determining by induction or acoustic methods the damage to cables. In the acoustic method the cable is tested every 1.5 - 2 m and the damage is detected by noises in the device. The piezoelement has, however, no sufficient sound insulation and it is difficult to use this device under urban conditions. The improved frame, resembling a walking stick, is represented in the figure. The piezoelement has good sound-insulation and an induction frame and a commutator is installed in the handle. For determining the site of damage it is enough to operate the commutator. The induction frame is a coil with round cross-section and 2,500 - 3,000 windings of 0.1-mm wire. The new device works faster, also under winter conditions, and is easier to handle. There is 1 figure.

AVAILABLE: Library of Congress
Card 1/1

1. Cables - Damage determination

ARSEN'YEV, K. K. (ENG)

ARSEN'YEV, K. K. (ENG) -- ESTABLISHMENT OF MOISTURE EQUILIBRIUM BETWEEN WOOD AND BONE
GLUE AFTER GLUING. SOU. TO VES. 52, MOSCOW FORESTRY ENGINEERING INST (DISSERTATION FOR
THE DEGREE OF CANDIDATE IN TECHNICAL SCIENCES)

SO: VERKHERNAYA MOSKVA, JANUARY-DECEMBER 1952

1. ARSEN'YEV, R. A.
2. USSR (600)
4. Lumber-Drying
7. Seasoning wooden parts after veneering and gluing. Der. i lesokhin. prom
1 no. 7 1952

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

ARSEN'YEV, K.K., kandidat tekhnicheskikh nauk.

On the use of electric hygrometers. Der.1 resol'tim. prom. 3 no.2:
22 P '54. (MLRA 7:1)

1. TSNIIPM.

(Hygrometry)

APAKIN, I.S.; ARSEN'YEV, K.K.; SOKOLOVSKIY, F.M.

Organizing work on hydraulic presses in furniture factories. Der.
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