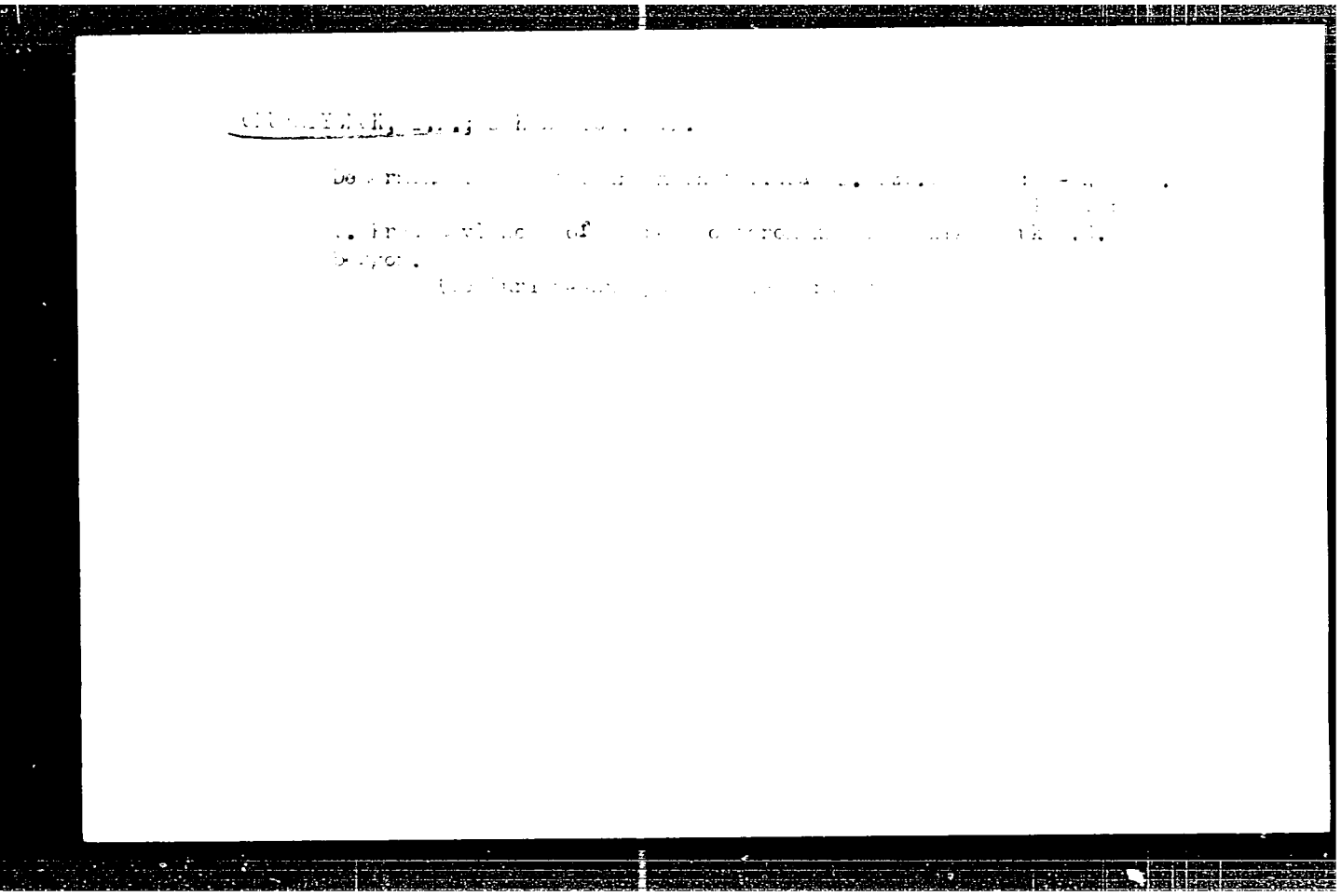

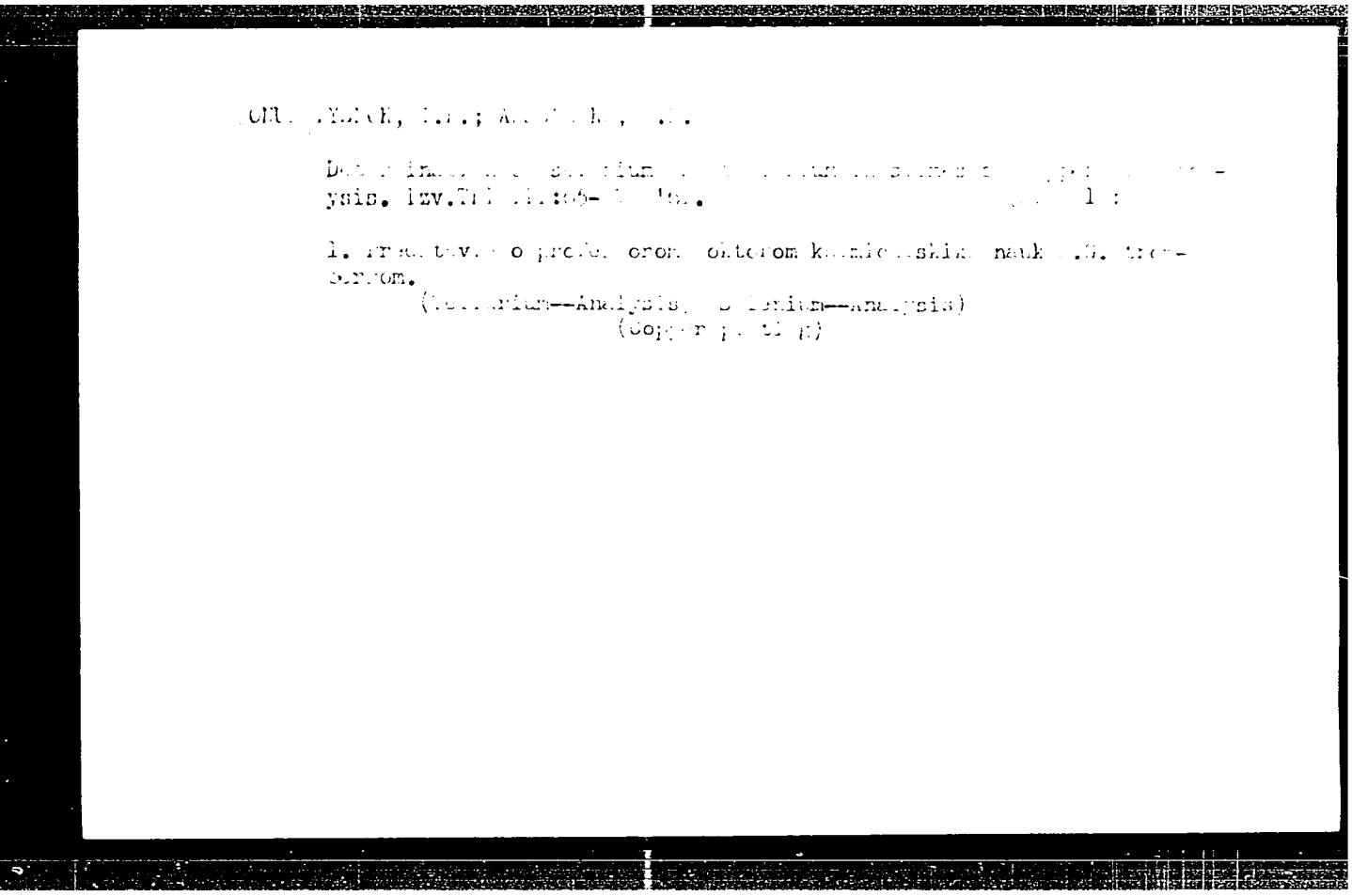

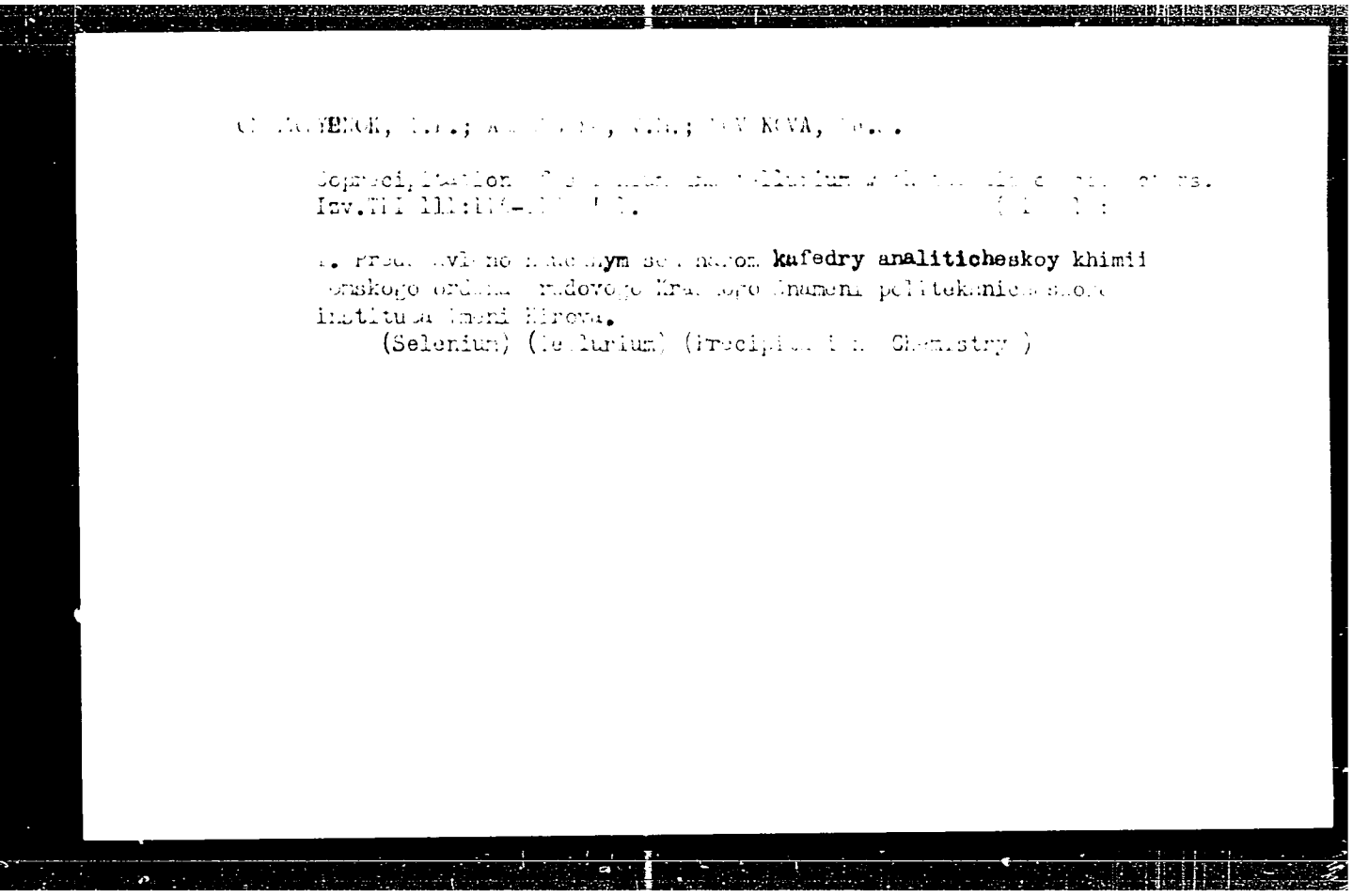

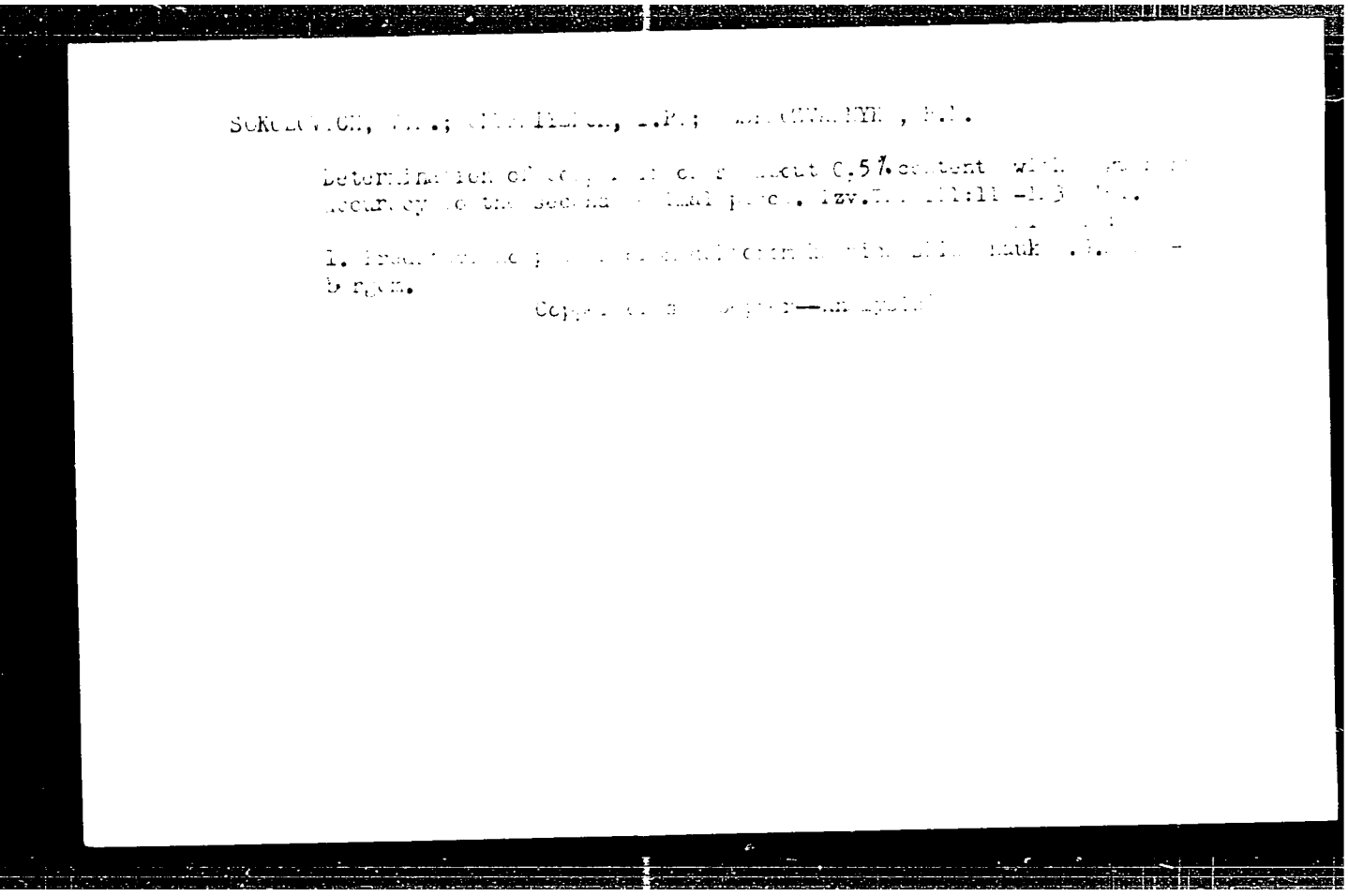

ULOBOV, F.A.; ONUFRIYENOK, I.F.; FARILOV, Yu.S.; PERKOVSKAYA, G.Ye., red.; YEZHOVA, L.L., tekhn. red.

[Practice of hydrogeochemical studies in Siberia] Opyt gidrogeokhimicheskikh issledovanii v Sibiri; metodika i rezul'taty rabot. Moskva, Vysshaia shkola, 1962. 188 p. (MIRA 16:12)

(Siberia--Geochemistry)

KOZHEVNIKOVA, L.M., starshiy nauchnyy sotrudnik; ONUFRIYEV, A.F., aspirant

Diseases of the Jerusalem artichoke. Zashch. rast. ot vred. i bol. 5 no. 8:56-57 Ag '60. (MIRA 13:12)

1. Nauchno-issledovatel'skiy institut ovoshchnogo khozyaystva TSentral'noy chernozemnoy polosy imeni V.V.Dokuchayeva.
(Jerusalem artichoke--Diseases and pests)

KOTOV, P.F., kand.sel'skokhozyaystvennykh nauk; ONUFRIYEV, A.F., aspirant

Cultivation practices in growing Jerusalem artichoke.
Zhivotnovodstvo 23 no.8:63-65 Ag '61. (MIRA 16:2)

1. Nauchno-issledovatel'skiy institut sel'skogo khozyaystva TSentral'no-Chernozemnoy polosy imeni V.V.Dokuchayeva.
(Jerusalem artichoke)

ONUFRIYEV, A.F.

Preparation and use of manure-soil compost. Zemledelie 24 no 1: (MIRA 15:2)
64-65 Ja '62.

1. Moskovskaya selektsionnaya stantsiya.
(Compost)

ONUFRIYEV, A.M.

Duties of engineers in administrative divisions and trusts. Sakh. prom. 30 no.7:18 Jl '56. (MLRA 9:11)

1. Ukrglavsakhar.

(Sugar industry)

ONUFRIYEV, A.M.

More about planning. Sakh. prom. 32 no.9:45-4[illegible] S '58. (MIRA 11:11)

1. Kiyevskiy sovnarkhoz.
(Sugar industry)

ONUFRIYEV, A.M.

Publication of technical literature. Sakh. prom. 33 no.2:75 F '59.
(MIRA 12:3)

(Sugar manufacture)

24 5200

S/044/62/000/003/047/[illegible]
C111/C444

AUTHOR: Onufriyev, A. T.

TITLE: On the cooling of a semi-infinite gas volume by radiation

PERIODICAL: Referativnyy zhurnal, Matematika, no. 3, 1962, 7, abstract 3B356. ("Zh. prikl. mekhan. i tekhn. fiz.," 1961, no. 2, 31-39)

TEXT: The problem of the cooling of a heated gas which fills a semi-infinite space is in case of a heat transmission by radiation formulated as follows:

$$\frac{1}{c}\frac{\partial cu}{\partial t} + \frac{4l}{3}\frac{\partial q}{\partial x} = cu_1 - cu, \quad \rho_0 \frac{\partial c_v T}{\partial t} = \frac{\partial q}{\partial x}$$

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On the cooling of a semi-infinite gas ...

$$\frac{l}{c}\frac{\partial q}{\partial t} + \frac{l}{3}\frac{\partial cu}{\partial x} = -q, \quad p = \frac{\rho RT}{\mu},$$

$$T(0, x) = T_0, \; cu(0, x) = 4\sigma T_0^4\left(1 - \frac{1}{2}\exp\left(-\frac{3x}{2l}\right)\right),$$

$$cu_1(0, x) = 4\sigma T_0^4, \quad q = \sigma T^4 \exp\left(-\frac{3x}{2l}\right) \text{ for } t = 0;$$

$$q(t, 0) = -\frac{1}{2}cu(t, 0) \text{ for } x = 0, \; t > 0,$$

$$cu(t, \infty) \quad cu_1(t, \infty) = 4\sigma T_0^4, \; T(t, \infty) = T_0, \; q(t, \infty) = 0$$

Here l is the length of path of the radiation, q is the energy flow, u is the radiation density u_1 is the radiation density in equilibrium.

In the case l = const, $c_v = c_{v_0}\left(\frac{T}{T_0}\right)^3$ and for small

$\tau = t/t_1$ ($t_1 = 2\varrho_0 c_{v_0} T_0 l/3\sigma T_0^4$, $t_2 = l_0/c$) which grants the quasi-stationarity of the problem, one obtains (after the reduction of the

On the cooling of a semi-infinite gas ...

equations to a dimensionless shape, and after Laplace-transformation with respect to the time) a linear system for the images. From this one obtains expressions for the images; they are expanded in terms of the transformation parameter, and after the return to the originals one obtains asymptotic formulas (for large values of the time) for $q(0,t)$, $cu_1(0, t)$ and $cu(0, t)$.

In case of $\lambda = \lambda_0 T'^n$, $\mu = \mu_0 T'^r$, $c_v = c_{v_0} T'^k$ and $\varepsilon = 0$ the [illegible] of the approximative problem leads to the non-linear problem of heat reduction which is approximatively solved according to the method of the integral relations. The integral relations are obtained by aid of the method of moments and solved by aid of the automodel solutions of an auxiliary problem, formerly considered by G.I. Barenblatt, N. Ye. Kochin and L. G. Loytsyanskiy. The solution obtained for the temperature is used for the construction of the second approximation of the problem; in this approximation the energy flow out of the boundary of the volume is the formal solution of the transmission equations:

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On the cooling of a semi-infinite gas ...

$$q_{\tau=0} = -\frac{3}{2}\int_0^{\infty} \sigma T^4 \exp\left(-\int_0^x \frac{3dx}{2l}\right) l^{-1}\, dx \quad .$$

One obtains asymptotic formulas for the temperature and for the energy flow on the boundary:

$$T_1' \sim (t')^{-1/3}, \quad q'(0, t') \sim T_1'^4 \sim (t')^{-1/2} \quad .$$

Analogously, one considers the case of constant pressure, where the asymptotic formulas

$$\lim T_1'^4 = \frac{|q(0,t')|}{2} \quad \text{for} \quad t' \to \infty \ ,$$

$$\frac{dT_1'}{dt'} = -1 \quad \text{for} \quad t' = 0$$

are obtained. The solution of the instationary problem is used in order

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S/044/62/000/003/047.
C111/C444

On the cooling of a semi-infinite ...

to estimate the influence of heat on a plate which moves with ... velocity in a hot gas flow, where the ... around permits an approximation by a boundary layer.

[Abstracter's note: Complete translation.]

Card 5/5

ONUFRIYEV, A.T. (Novosibirsk)

Approximation methods applied in developing the problem of a radiating gas flow about a plate of finite length. PMTF no.5:70-74 S-O '62. (MIRA 16:1)
(Gas flow) (Radiation) (Approximate computation)

VETLUTSKIY, V.N. (Novosibirsk); ONUFRIYEV, A.T. (Novosibirsk)

Cooling by radiation of a gas flowing in a plane channel. PMTF no.6:29-34 N-D '62. (MIRA 16:6)
(Gas flow) (Heat--Radiation and absorption)

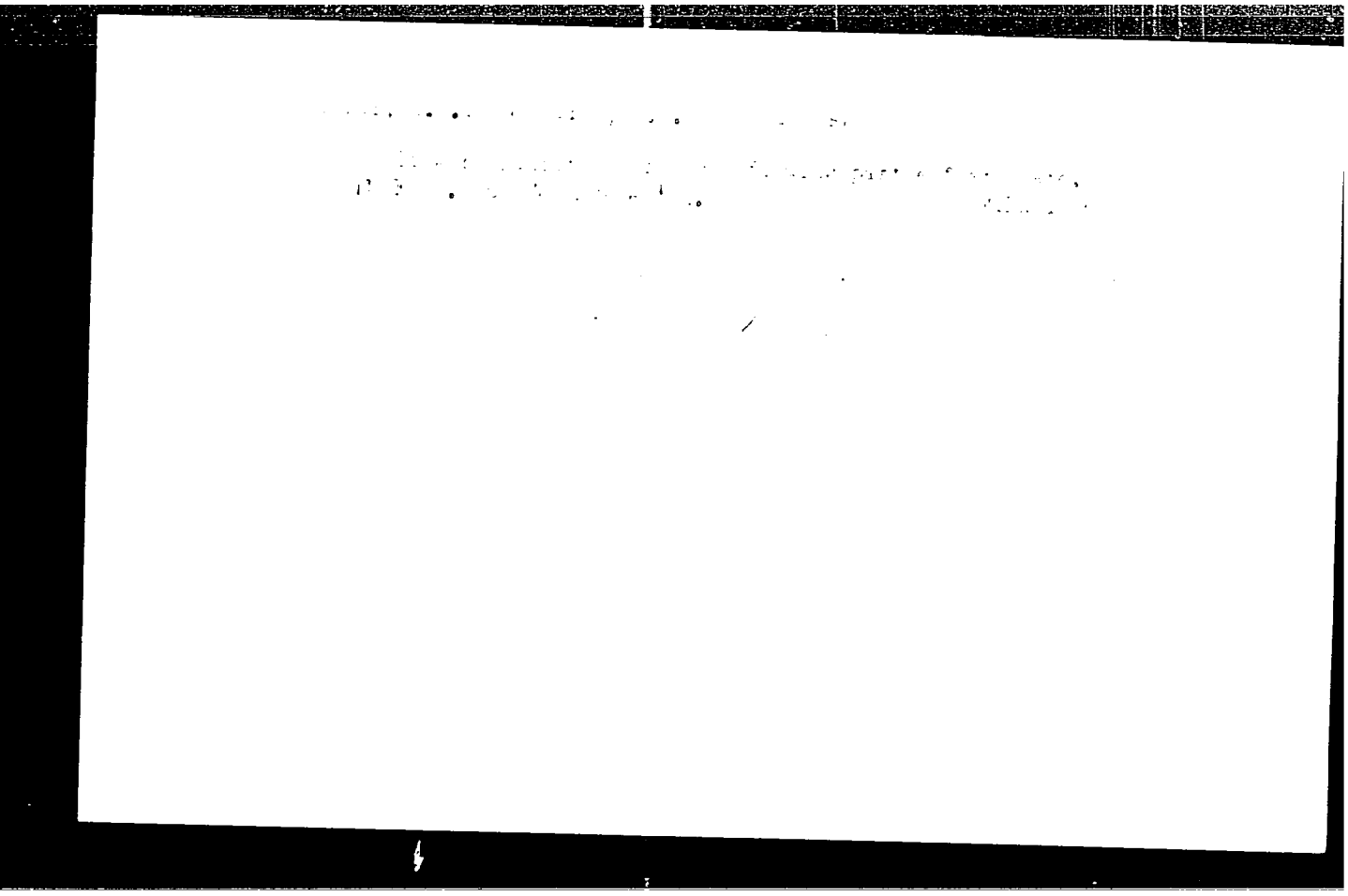
CHUFRIYEV, A.T. (Novosibirsk)

A model for nonequilibrium processes in some problems of continuum mechanics. PMTF no.1:47-56 Ja-F '63. (MIRA 16:2)
(Fluid mechanics) (Thermodynamics)

V[illegible]TSKY, V.V.; ZA[illegible], V.[illegible]; [illegible]TSKY, [illegible]; [illegible], [illegible] [illegible]

"On cooling of radiating grey gas flowing in a channel and past a plate"

report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow, 29 January - 5 February 1964



L 48110-65 EWT(l)/EWP(m)/EWA(d)/FCS(k)/EWA(l) Pd-l

ACCESSION NR: AP5008499 S/0207/64/000/006/0063/0068

AUTHOR: Vetlutskiy, V. N. (Novosibirsk); Onufriyev, A.T. (Novosibirsk) 11 B

TITLE: Cooling by radiation of an ideal gray gas flowing in a flat channel with account taken of the exact and approximate transport equations

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 6, 1964, 63-68

TOPIC TAGS: ideal gas, gray gas, ideal gray gas, radiation cooling, transport equation, approximate equation, exact equation, flat channel, radiation energy transfer, flow line, channel wall, radiation energy density

ABSTRACT: It is shown by the comparison of the exact and approximate solutions of the problem of cooling by radiation of an ideal gray gas flowing in a flat channel that is possible, with sufficient accuracy, to obtain values for the radiant energy flux at the wall and for the gas temperature by using the diffusion approximation if the determined parameter is considerably less than unity. In this investigation of energy transfer by radiation it is assumed that there exists a local thermodynamic equilibrium, the dissipation process can be ignored, and the radiation path length is constant. It is further assumed that the flow lines are parallel to the channel walls. The radiation energy density in comparison with the in-

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ACCESSION NR: AP5008499

ternal energy of the gas is ignored, which is possible in a wide range of temperatures. The solutions in the approximations indicated were verified in the range of optical channel thicknesses of 0.2 to 20. The exact solution was set up for optical thicknesses of 2 to 4, and the computations were carried out on an electronic computer. The difference in the results of two successive approximations did not exceed 0.1%. Orig. art. has: 17 formulas.

ASSOCIATION: none

SUBMITTED: 08Jul64 ENCL: 00 SUB CODE: GP, TD

NO REF SOV: 007 OTHER: 000

Card 2/2

ONUFRIYEV, A.T. (Novosibirsk)

Use of the integral diffusion method in solving a linearized problem involving Couette flow of a rarefied gas. PMTF no 2 47-49 Mar-Apr '65. MIRA 18:7

L 8518-66 EWT(l)/EWT(m)/ETC/EPF(n)-2/EWG(m)/EWP(t)/EWP(b) IJP(c) JD/AT

ACC NR: AP5021906 SOURCE CODE: UR/0207/65/000/004/0071/0078

AUTHOR: Vetlutskiy, V. N. (Novosibirsk); Onufriyev, A. T. (Novosibirsk); Sevast'yanenko, V. G. (Novosibirsk)

ORG: none

TITLE: Calculation of an electrical wall-stabilized argon arc with consideration of radiative energy transfer

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 4, 1965, 71-78

TOPIC TAGS: argon, plasma arc, plasma radiation

ABSTRACT: The calculation of the argon arc parameters are presented with consideration of the radiation processes. The laminar arc with local thermodynamic equilibrium is considered to be stabilized by cooled walls. The electric field in the arc is taken to be constant along the axis and radially. The transport equation for the arc is solved by successive approximations. The degree of ionization is determined by Saha's equation with a lowered ionization potential. The electrical conductivity and heat conductivity consisting of the heavy component conductivity, electron conductivity and conductivity due to ionization are calculated. The behavior of the radiation is considered for several kinds of transitions with special attention given to resonance lines and transitions to the ground state. The calculated parameters for the

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L 8518-66

ACC NR: AP5021908

3

arc are tabulated for the temperature range from 6000°K to 17,000°K at 1 and 10 atmosphere pressures. The radial distributions of the various components are also given. The results confirm the experimentally obtained values of other workers. "The authors are indebted to I. T. Yakubov for giving them data on argon plasma emission." Orig. art. has: 7 figures, 21 formulas, 3 tables.

SUB CODE: 20/ SUBM DATE: 05Apr65/ ORIG REF: 004/ OTH REF: 014

Card 2/2

L 26614-66 EWT(1)/T IJP(c) AT

ACC NR: AP6013933 SOURCE CODE: UR/0207/66/000/002/0122/0125

AUTHOR: Onufriyev, A. T. (Novosibirsk); Sevast'yanenko, V. G. (Novosibirsk)

ORG: none

TITLE: Transfer of radiant energy in spectral lines with regard to reabsorption

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 2, 1966, 122-125

TOPIC TAGS: spectral line, heat transfer, absorption coefficient

ABSTRACT: The authors compare the diffusion approximation method for calculating radiation energy transfer in a plane layer of gas with the exact solution for this problem and propose a method for calculating the characteristics of heat exchange by radiation in spectral lines. Localized thermal equilibrium is assumed for a given temperature distribution in a plane layer of argon. The 3P-4S resonance line of this gas with an oscillator strength of 0.2 is selected for calculating the radiant energy transfer. A comparison of exact and approximate calculations of the energy flux density in a cross section of the layer for various frequencies shows a maximum error of about 20% for the diffusion approximation in the intermediate range of absorption coefficients. At lower coefficients of spectral absorption, the error decreases and the approximation gives exact results in the transparent region. This comparison indicates that the diffusion approximation may be used for most practical calculation

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L 26614-66
ACC NR: AP6013933

with satisfactory accuracy. A method is proposed for averaging a small number of absorption coefficients which is applicable to a wide class of problems in calculating radiation transfer in a system of reabsorbed lines. The proposed method may be used for any approximate description of radiation energy transfer as well as for exact calculations and may be extended to the continuous spectrum. The authors are grateful to G. E. Norman, I. T. Yakubov, A. N. Lagar'kov and A. Kh. Mnatsakan for useful consultation. Orig. art. has: 7 figures, 3 formulas.

SUB CODE: 20/ SUBM DATE: 29Oct65/ ORIG REF: 005/ OTH REF: 002

Card 2/2

[illegible]

TITLE: Application of the integral [illegible] in the study of turbulent [illegible]fer

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 3, 19[illegible], [illegible]

TOPIC TAGS: turbulent flow, [illegible] number, boundary layer

ABSTRACT: [illegible] that the appearance of [illegible] vortices is [illegible] the [illegible] dimension [illegible] and the viscosity [illegible] velocity of [illegible] than a certain quantity [illegible], then turbulent vortices are formed in the flow. The expression for friction tension is given by [illegible] in this [illegible]

[illegible] (1)

for a unit [illegible] a certain point in the flow [illegible], oriented perpendicular to the y-axis and assuming that the vortex moves uniformly in all directions from the point.

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L 08107-67

ACC NR: AM6021357

Formula (1) is then derived by summing up the friction tensions for all vortices. The other components of tensors are derived in a similar manner. The model (1) is called the integral diffusion. Expressions are derived for mixing paths of traveling vortices of turbulent flow for the speeds of origination. Boundary layer activity is considered, along with plane and Couette flow problems, on the basis of experimental data. Orig. art. has: 25 formulas, 3 figures.

SUB CODE: 20/ SUBM DATE: 20Oct65/ ORIG REF: 009/ OTH REF: 008

SUROVEGIN, Yu.V.; ONUFRIYEV, A.V.

Supporting devices of semitrailers. Avt. prom. 30 no.6:43-46 Je '64. (MIRA 17:12)

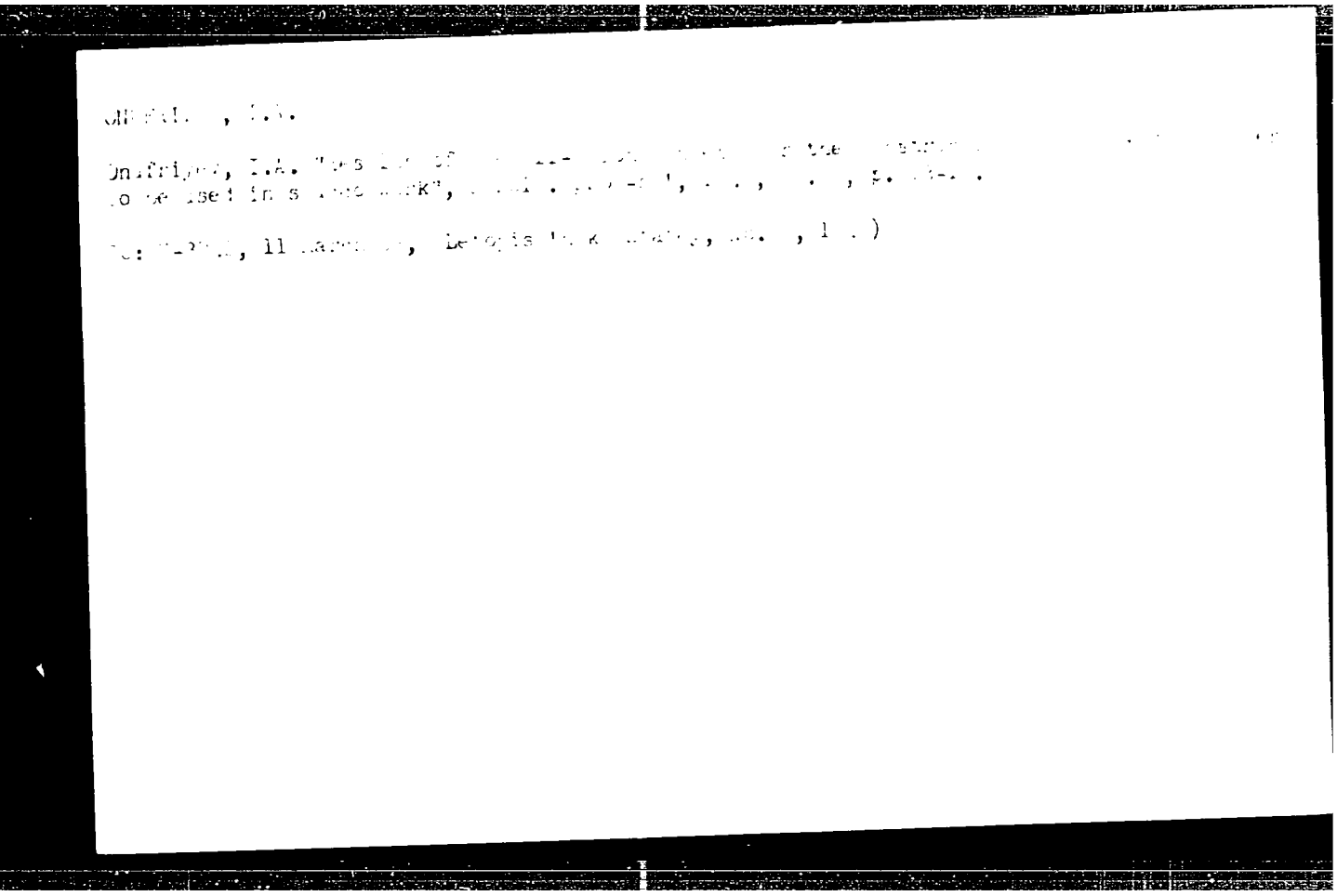
1. Odesskiy avtosborochnyy zavod.

ONUFRIYEV, I.A., Engineer; VOLYNSKIY, A. Ya.

Stankolit Plant (-1944-)

"The Technological Process of Welding Lathe Beds," Stanki i Instrument, Vol. 5, No. 10-11, 1944

BR 52059019



ONUFRIYEV, I.

32459. Shkola peredovoy stroitel'noy praktiki (Stroitel'stvo vysotnykh zdaniy v Moskve). Arkhitektura i stroit-vo, 1949, No. 9, s. 3-5

SO: Letopis' Zhurnal'nykh Statey, Vol. 50, Moskva, 1949

ONUFRIYEV, I.A.

Results of the all-Union competition for best designs of plastering equipment. Stroi.prom. 27 no.2:13-15 F '49. (MIRA 13:2)

1. Zamestitel' ministra stroitel'stva predpriyatiy tyazheloy industrii.
(Plastering--Equipment and supplies)

ONUFRIYEV, I.A., inzhener, otvetstvennyy redaktor; BAUMAN, V.A., kandidat tekhnicheskikh nauk, redaktor; DOMBROVSKIY, N.G., doktor tekhnicheskikh nauk, professor, redaktor; IVANOV, V.A., inzhener, redaktor; KOMISSAROV, A.V., inzhener, redaktor; KONOROV, A.V., professor, redaktor; TROITSKIY, Kh.L., kandidat tekhnicheskikh nauk, redaktor; SLEZNIKOV, G.I., inzhener, redaktor; PUL'KINA, Ye.A., tekhnicheskiy redaktor; DAKHNOV, V.S., tekhnicheskiy redaktor

[Handbook of construction mechanics] Spravochnik mekhanika na stroitel'stve. Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekture, 1951. 1084 p. [Microfilm] (MLRA 10:2)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva.
(Building machinery)

GNUFRIYEV, I. A.

Accomplishments of Soviet building techniques; public lecture. Moskva, Znanie, 1952.
30 p.

1. ONUFRIEV, I. A.

2. USSR (600)

4. Plastering

7. Second All-Union contest for better designs of plastering machinery. Stroitel'stwo No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

ONUFRIYEV, I.A., redaktor; ANICHKHIN, P.I., redaktor; BARSKOV, I.M., redaktor; GALKIN, Ya.G., redaktor; AZRILYANT, Ya.M., redaktor; S'OL'YAKOVA, M.V., tekhnicheskiy redaktor.

[All-Union conference of builders, architects, and workers in the building materials industry, in construction and road machinery building, and in planning and research organizations; Nov.30-Dec.7, 1954. Abridged reports] Vsesoiuznoe soveshchanie stroitelei, arkhitektorov i rabotnikov promyshlennosti stroitel'nykh materialov, stroitel'nogo i dorozhnogo mashinostroeniia, proektnykh i nauchno-issledovatel'skikh organizatsii, 30 noiabria-7 dekabria 1954 g. Sokrashchennyi stenograficheskii otchet. Moskva, Gos.izd-vo lit-ry po stroitel'stvu i arkhitekture, 1955. 432 p.
(Construction industry--Congresses) (MLRA 8:11)

SOSNENKO, Mikhail Nikolayevich; ONUFRIYEV, I.A., inzhener, retsenzent; KRYLOV, V.I., inzhener, redaktor; TIKHONOV, A.Ya., tekhnicheskiy redaktor

[The molder in the foundry] Formovshchik liteinogo tsekha. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956. 215 p. (Molding (Founding)) (MLRA 9:10)

ONUFRIYEV, I. A.

Spravochnik Inzhenera-Stroitelya [Manual of Construction Engineering] Pod. Red. I. A. Onufriyeva and A. S. Danilevskiy. Moskva, Gosstroyizdat. 1958.

ONUFRIYEV, I.A., red.; BARSKOV, I.M., red.; DMITRIYEV, A.D., red.; MAKASHEV, S.D., red.; REVZNER, A.S., red. izd-va; GILENSON, P.G., tekhn. red.

[Abridged stenographic report of the All-Union Conference on Construction. Moscow, 1958] Sokrashchennyi stenograficheskii otchet. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1958. 334 p. (MIRA 11:10)

1. Vsesoyuznoye soveshchaniye po stroitel'stvu. Moscow, 1958.
(Construction industry--Congresses)

ONUFRIYEV, I.A., red.; DANILEVSKIY, A.S., red.; YUDINA, L.A., red.; GILENSON, P.G., tekhn. red.

[Handbook for civil engineers] Spravochnik inzhenera-stroitelia. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam. Vol. 1 1959. 623 p. (MIRA 11:10)

(Civil engineering)

SOKOLOV, K.M. YEVSTAFEYEV, S.V.; ROSTOTSKIY, V.K.; STANKOVSKIY, A.P.; VARENIK, Ye.I.; ONUFRIYEV, I.A.; SVESHNIKOV, I.P.; UKHOV, B.S.; BAUMAN, V.A.; BARSOV, I.P.; BASHINSKIY, S.V.; BOYKO, A.G.; VALUTSKIY, I.I.; ZAPOL'SKIY, V.P.; ZOTOV, V.P.; IVANOV, V.A.; KAZARINOV, V.M.; LEVI, S.S.; MALOLETKOV, Ye.K.; MERENKOV, A.S.; MIROPOL'SKAYA, N.K.; OSIPOV, L.G.; PEREL'MAN, L.M.; PETROV, G.D.; PETROV, N.M.; POLYAKOV, V.I.; VATSSLAVSKAYA, L.Ya.; VAKHRAMEYEV, S.A.; VERZHITSKIY, A.M.; VLASOV, P.A.; VOL'FSON, A.V.; VOSHCHININ, A.I.; DZHUNKOVSKIY, N.N.; DOMBROVSKIY, N.G.; YEPIFANOV, S.P.; YEFREMENKO, V.P.; ZELICHENOK, G.G.; ZIMIN, P.A.; POPOVA, N.T.; ROGOVSKIY, L.V.; REBROV, A.S.; SAPRYKIN, V.A.; SOVALOV, I.G.; SOSHIN, A.V.; STARUKHIN, N.M.; SUKENYAN, G.S.; TOLORAYA, D.F.; TROITSKIY, Kh.L.; TUSHNYAKOV, M.D.; FROLOV, P.T.; TSIRKUNOV, I.P.

Andrei Vladimirovich Konorov; obituary. Mekh. stroi. 16 no.1:32 Ja '59. (MIRA 12:1)

(Konorov, Andrei Vladimirovich, 1890-1958)

PODSHIVALENKO, P.D.; BALIKHIN, M.I.; BASHINSKIY, S.V.; IVANOV, N.A.; KACHALOV, L.N.; NEMCHOV, G.P.; ONUFRIYEV, I.A.; PERESLEGIN, V.I.; RUMYANTSEV, A.F.; RUSAKOV, A.N.; SEMENOV, I.Ya.; STOMAKHIN, [illegible]; FILIPPOV, V.F. Prinimal uchastiye VINOGRADOV, K.K. POLOGRNOVA, V., red.; TROYANOVSKAYA, N., tekhn.red.

[Construction economics; textbook] Ekonomika stroitel'stva; uchebnoe posobie. Moskva, Gos.izd-vo polit.lit-ry, 1960. 534 p. (MIRA 14:1)

1. Kommunisticheskaya partiya Sovetskogo Soyuza. Vysshaya partiynaya shkola. 2. Chlen kollegii TSentral'nogo statisticheskogo upravleniya SSSR (for Vinogradov).

(Construction industry)

OBUKHOV, I.A.

Institute of Organization, Mechanization, and Technical Assistance to the Construction Industry. Izv. ASiA no. 3:136-138 '60. (MIRA 13:12)

1. Direktor Instituta organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu Akademii stroitel'stva i arkhitektury SSSR.

(Building research)

ONUFRIYEV, I.A.

Founding in Switzerland. Lit. proizv. no.8:43-48 Ag '61.
(MIRA14:7)

(Switzerland—Founding)

VAYNBERG, G.D., inzh.; KRICHEVSKAYA, Ye.I., kand. tekhn. nauk; MAZALOV, A.N., inzh.; ROZENFEL'D, A.G., inzh.; FOLOMIN, A.I., doktor tekhn. nauk; TESLER, F.A., kand. tekhn. nauk; SHOLOKHOV, V.G., arkhit.; RUBALENKO, B.A., glav. red.; ROZANOV, N.P., zam. glav. red.; GRUSHKIYEV, I.A., red.; YUDIN, Ye.Ya., red.; NASONOV, V.N., red.; ISIDOROV, V.V., red.; NAKARICHEV, V.V., red.; POLUBNEVA, V.I., inzh., red.

[Improving the durability of industrial built-up roofs] Voprosy povysheniia dolgovechnosti industrial'nykh sovmeshchennykh krysh. Moskva, Gosstroiizdat, 1962. 43 p. (MIRA 17:4)

1. Akademiya stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'skiy institut organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu. 2. TSentral'nyy nauchno-issledovatel'skiy i proyektno-eksperimental'nyy institut industrial'nykh, zhilykh i massovykh kul'turno-bytovykh zdaniy Akademii stroitel'stva i arkhitektury SSSR (for Vaynberg, Krichevskaya, Mazalov, Rozenfel'd, Folomin). 3. Nauchno-issledovatel'skiy institut stroitel'noy fiziki Akademii stroitel'stva i arkhitektury SSSR (for Sholokhov). 4. Nauchno-issledovatel'skiy institut betona i zhelezobetona Akademii stroitel'stva i arkhitektury SSSR, Lenino (for Tesler).

NIKOL'SKIY, V.N., kand. tekhn. nauk; SPIVAK, N.Ya., kand. tekhn. nauk; BAULIN, B.K., inzh.; BUADZE, V.Sh., inzh.; KREYTAN, V.G., kand. tekhn. nauk; PERMYAKOV, S.I., kand. tekhn. nauk; USOV, A.L., inzh.; KOSHKIN, V.G., kand. tekhn. nauk; MARAVIN, B.L., inzh.; ERENBURG, A.I., inzh.; KOCHESHKOV, V.G., inzh.; RUBANENKO, B.K., glav. red.; ROZANOV, N.P., zam. glav. red.; OKUFRIYEV, I.A., red.; YUDIN, Ye.Ya., red.; NASONOV, V.N., red.; ISIDOROV, V.V., red.; MAKARICHEV, V.V., red.; FINKINSHTEYN, B.A., inzh. red.;

[Prefabricated floor and ceiling structures] Poly i perekrytiia industrial'noi konstruktsii. Moskva, Gosstroiizdat, 1963. 71 p. (MIRA 16:12).
1. Akademiya stroitel'stva i arkhitektury SSSR. TSentral'nyy nauchno-issledovatel'skiy i eksperimental'no-proyektnyy institut industrial'nykh zhilykh i massovykh kul'turno-bogatykh zdaniy. 2. Nauchno-issledovatel'skiy institut stroitel'noy fiziki i ograzhdayushchikh konstruktsii (for Nikol'skiy, Usov). 3. TSentral'nyy nauchno-issledovatel'skiy i eksperimental'no-proyektnyy institut industrial'nykh zhilykh i massovykh kul'turno-bogatykh zdaniy (for Buadze, Baulin, Spivak, Kreytan, Kocheshkov). 4. Vsesoyuznyy nauchno-issledovatel'skiy institut novykh stroitel'nykh materialov Akademii stroitel'stva i arkhitektury SSSR (for Erenburg).
(Floors) (Ceilings)

ONUFRIYEV, Ivan Aleksandrovich

Boundaries of constructors. NTO [illegible] 10:18-19 O '63. (MIRA 17:1)

1. Predsedatel' TSentral'nogo pravleniya Nauchno-tekhnicheskogo obshchestva stroitel'noy industrii, direktor Nauchno-issledovatel'skogo instituta organizatsii i okazaniya tekhnicheskoy pomoshchi stroitel'stvu.

ONUFRIJEV, I.A. [Onufriyev, I.A.]; TUREK, J., inz. [translator]

Some problems of improving the construction of industrial buildings. Poz stavby 11 no.3:128-131 '63.

1. Vsesvazovy vedecky a vyzkumny ustav organizace, mechanizace a technicke pomoci stavebnictvi, Moskva (for Onufrijev)

PODSHIVALENKO, P.D.; BALIKHIN, M.I.; BASHINSKIY, S.V.[deceased]; IVANOV, N.A.; KACHALOV, N.N.; NEMKOV, G.P.; OKUFRIYEV, I.A.; PERESLEGIN, V.I.; RUMYANTSEV, A.F.; RUSAKOV, A.N.; SEMENOV, I.Ya.; STOMAKHIN, I.B.; FILIPPOV, V.F.;

[Economics of construction; a textbook] Ekonomika stroitel'stva; uchebnik. Moskva, Politizdat, 1964. 542 p. (MIRA 18:8)

1. Kommunisticheskaya Partiya Sovetskogo Soyuza. Vysshaya partiynaya shkola.

PODSHIVALENKO, P.D.; BALIKHIN, M.I.; BASHINSKIY, S.V.[deceased]; IVANOV, N.A.; KACHALOV, N.N.; NEMKOV, G.P.; ONUFRIYEV, I.S.; PERESLEGIN, V.I.; RUMYANTSEV, A.F.; RUSAKOV, A.N.; SEMENOV, I.Ya.; STOMAKHIN, I.B.; FILIPPOV, V.F.; PODGORNOVA, V., red.; TROYANOVSKAYA, N., tekhn. red.

[Economics of construction]Ekonomika stroitel'stva; uchebnik. Moskva, Gospolitizdat, 1962. 542 p. (MIRA 15:11)

1. Kommunisticheskaya partiya Sovetskogo Soyuza. Vysshaya partiynaya shkola.

(Construction industry)

ONUFRIYEV, L. N.

104.8. MINING VERY THIN SLOPING SEAMS IN DONBASS. - Onufriev, L.N. (Ugol (Coal, Moscow), Sept. 1957, 10-14). The mining of seam under 0.5 m thick has risen from 0.6% in 1938 to 3.2% of the coal mined in Donbass in 1956. Methods and output figures are given. Centrally coal cutters or cutter-loaders are used in longwalls 80 to 90 m long. (L).

SOV 124-58-1 1199

Translation from: Referativnyy zhurnal. Mekhanika, 1958, Nr 1, p 152 (USSR)

AUTHOR: Onufriyev, N. M.

TITLE: Consideration of Plastic Deformations in the Design of Prestressed-tiebeam Reinforcements for Reinforced-concrete Structures (Uchet plasticheskikh deformatsiy pri proyektirovanii usileniya zhelezobetonnykh konstruktsiy posredstvom predvaritel'no-naprvazhennykh zatyazhek)

PERIODICAL: V sb.: 15-ya nauchn. konferentsiya Leningr inzh -stroit in ta Leningrad, 1957, pp 39-42

ABSTRACT: Bibliographic entry

Card 1/1

ASTAKHOV, A.S., kand.ekon.nauk; ONUFRIYEV, L.N., gornyy inzh.

Elimination of scattered workings is an important potentiality for increasing labor productivity in mines. Ugol' Ukr. 3 no.10:26-27 O '59. (MIRA 13:2)
(Mine management)

STUGAREV, A.S.; ASTAKHOV, A.S.; OMUFRIYEV, L.N.

Consolidation of mining operations is a potentiality for increasing labor productivity in coal mines. Ugol' 35 no.10:20-23 O'60. (MIRA 13:10)

(Coal mines and mining--Labor productivity)

ONUFRIYEV, L.N.

Analysis of intensification of work in longwalls of Luganak Economic Council, carried out in one and one half to two shifts a day. Nauch.soob.IGD 14:16-23 '62. (MIRA 16:1)
(Donets Basin--Coal mines and mining--Labor productivity)

ONUFRIYEV, L.N.; KAMNEVA, T.K., red.

Determining the planned daily load in cutter-loader and machine mined longwalls in flat coal seams; scientific report] Opredelenie planovoi sutochnoi nagruzki kombainovykh i mashinnykh lav na pologikh ugol'nykh plastakh; nauchnyi doklad. Moskva, In-t gornogo dela im. A.A. Skochinskogo, 1963. [illegible] p. (MIRA 17:3)

KAGAN, F Yu.; ZVYAGIN, P.Z.; MAYZEL', I.L.; ONUFRIYEV, L.N.; VOYNIK, I.A.

Greater scientific substantiation of planning in coal mines by introducing technical standards. Ugol' 40 no.9:41-45 S '65. (MIRA 18:10)

1. Gosudarstvennyy komitet po toplivnoy promyshlennosti pri Gosplane SSSR (for Kagan). 2. Institut gornogo dela im. A.A. Skochinskogo (for all except Kagan).

ONUFRIYEV, M.

Creative pledges
Mr '64.

Predsedatel'
Vlyavskoye

ONUFRIYEV, N.I., starshiy nauchnyy sotrudnik

Automatic stop-motion device on warpers for cases of thread breakage or joining. Tekst.prom. 19 no.2:38-39 F '59.
(MIRA 12:5)

1. TSentral'nyy nauchno-issledovatel'skiy institut Shelka.
(Warping machines)

USSR/Engineering - Construction, 1 May 52
Methods

"Erection of the Reinforced-Concrete Framework of an Industrial Building," N. M. Onufriyev, Sand Tech Sci, Giprogidroliz

"Byul Stroit Tekh" No 10, pp 1-4

228T70

Describes procedure of assembling concrete skeleton for main building of hydrolytic plant constructed by Gidrolizpromstroy in 1951. A central 5-story structure occupies 18 x 24 m area, and with 2- and 3-story wings has total length of 85 m. Fabrication of reinforced-concrete members of framework and its erection were done by 24 workmen during 4-month period

228T70

ONUFRIYEV, N. M.

ONUFRIYEV, N.M., dotsent, kandidat tekhnicheskikh nauk.

Precast reinforced concrete strip foundations under multistory industrial buildings. Stroi.prom. 32 no.5:17-19 My '54. (MLRA 7:6)
(Foundations)

ONUFRIYEV, N.M., kandidat tekhnicheskikh nauk.

New structural design for multistory frame-type industrial buildings made of precast reinforced concrete. Biul.stroi.tekh. 13 no.1:5-8 Ja '56. (MLRA 9:5)

1. Giprogidroliz.
(Precast concrete construction)

ONUFRIYEV, N. M. Cand Tech Sci -- (diss) "New Prestressed Structures for Reinforcing the Ferroconcrete Elements of Industrial Buildings and Installations." Len, 1957. 19 pp 22 cm. (Min of Higher Education USSR, Leningrad Order of Labor Red Banner Construction Engineering Inst), 120 copies

(KL, 16-57, 100)

ONUFRIYEV, N.M., kand.tekhn.nauk.

Prestressed structural components used to strengthen reinforced concrete elements. Mekh.tekh. i pered.op v stroi. 19 no.6:19-22 Je '57. (MIRA 10:10)
(Reinforced concrete construction)

ONUFRIYEV, Nikolay Mikhaylovich, dots., kand. tekhn. nauk; KARPOV, V.V., kand. tekhn. nauk, nauchnyy red.; KAPLAN, M.Ya., red. izd-va; PUL'KINA, Ye.A., tekhn. red.

[Simple methods of strengthening reinforced concrete elements of industrial buildings] Prostye sposoby usileniia zhelezobetonnykh konstruktsii promyshlennykh zdanii. Leningrad, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1958. 175 p. (MIRA 11:8)
(Building--Repair and reconstruction)
(Reinforced concrete)

ONUFRIYEV, N.M., dots., kand.tekhn.nauk

Calculating plastic deformations due to additional reinforcing of reinforced concrete construction elements. Nauch.dokl.vys.shkoly; stroi. no.1:135-140 '58. (MIRA 12:1)

1. Rekomendovana kafedroy zheleznobetonnykh konstruktsiy Leningradskogo inzhenerno-stroitel'nogo instituta.
(Girders)

ONUFRIYEV, Nikolay Mikhaylovich; LINETSKIY, V.D., red.; TELYASHOV, R.K., red.izd-va; GVIRTS, V.L., tekhn. red.

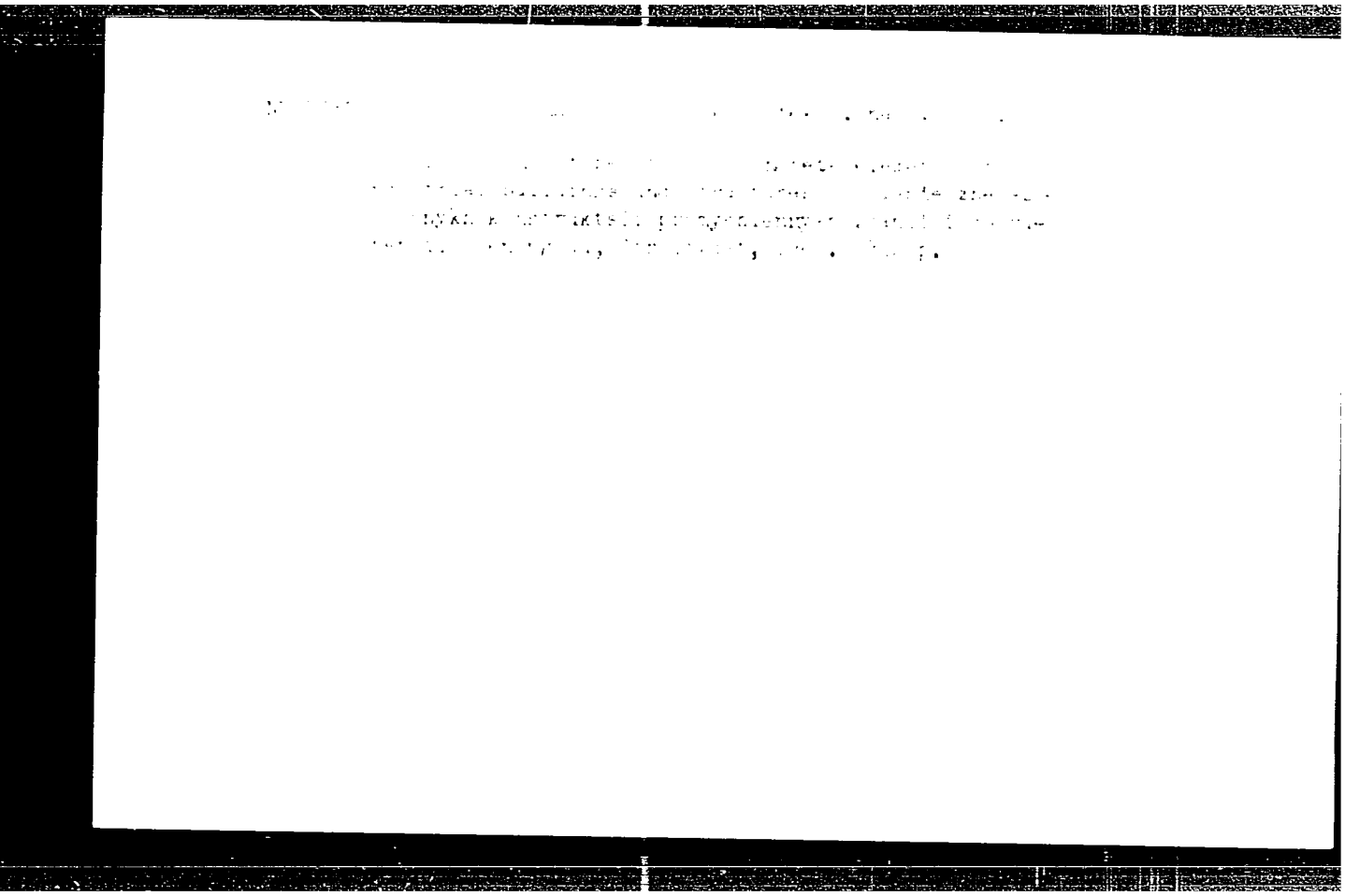
[Strengthening the reinforced concrete structures while the buildings are in use] Usilenie zhelezobetonnykh konstruktsii v usloviiakh deistvuiushchikh predpriiatii. Leningrad, Ob-vo po rasprostraneniiu politicheskikh i nauchn. znanii RSFSR, 1963. 19 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Stroitel'nye materialy i konstruktsii, no.1) (MIRA 16:8)
(Reinforced concrete construction)

ONUFRIYEV, Nikolay Mikhaylovich, doktor tekhn. nauk, prof.; STAROVOYTOV, I.F., red.izd-va; CHERKASSKAYA, F.T., tekhn. red.

[Composite reinforced concrete elements of industrial buildings] Sborno-monolitnye zhelezobetonnye konstruktsii promyshlennykh zdanii. Leningrad, Gosstroiizdat, 1963. 138 p. (MIRA 16:5)
(Industrial buildings--Design and construction)
(Precast concrete construction)

ONUFRIYEV, N.M., prof., doktor tekhn.nauk

Strengthening reinforced concrete elements at existing enterprises without shutting them down. Prom. stroi. 41 no.2:49-52 F '63. (MIRA 16:3)
(Reinforced concrete—Maintenance and repair)
(Industrial buildings—Maintenance and repair)



IVANOV, V.F., doktor tekhn. nauk, prof. [deceased]; ONUFRIYEV, N.M., doktor tekhn. nauk, prof.; ROT, A.V., kand. arkh. dots.; GRIGOR'YEVA, A.M., arkh.; ZAKHAR'YEVSKAYA, M.A., kand. tekhn. nauk; ZEL'TEN, L.V., kand. arkh.; KRASKOV, V.A., arkh.; KUNTSMAN, M.S., kand. arkh. dots.; LOKHANOV, G.I., arkh.; NIKOLAYEV, A.I., doktor tekhn. nauk, prof.; OSIPOV, Ye.A., kand. tekhn. nauk, dots.; SAKENOVSKIY, K.I., doktor tekhn. nauk prof.; TRULL', V.A., kand. tekhn. nauk, dots.; KARAV, V.M., inzh., nauchn. red.; MARGOLIN, A.G., inzh., nauchn. red.

[Elements of buildings and structures] Konstruktsii zdanii i sooruzhenii. Leningrad, Stroiizdat, 1965. 487 p. (MIRA 18:12)

ONUFRIYEV, N.M., doktor tekhn. nauk (Leningrad

Precast reinforced concrete air filters. Vod. i san. tekh. no.1: 17-18 Ja '[illegible]. (MIRA 19:1)

ONUFRIEV, T.

Stroitel'stvo Stalinsko-Magnitogorskoi (Yuzhno-Sibirskoi) magistrali. [Construction of the South-Siberian trunk line]. (Zhel-dor. transport, 1946, no. 2-3, p. 26-28, map).
DLC HE7.Z5

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress Reference Department, Washington, 1952, Unclassified.

OKUPRIYEV, T. G.

ONUFRIYEV, Timofey Grigor'yevich, dots.; SHATNEV, Boris Nikolayevich, dots.; IVAN'KO, Timofey Yakovlevich, inzh.; GEROL'SKAYA, Lyudmila Sergeyevna, dots.; SAMYCHEVA, Nina Petrovna, dots.; KOSTYAYEV, Sergey Petrovich, inzh.[deceased]; YEGOROV,L.P.,dots., retsenzent; ZAYCHENKO,I.R.,dots.,retsenzent; MYALYNITSKIY,V.A.,inzh.,retsenzent; CHERKASHIN,N.A.,inzh.,retsenzent; LYNEV,I.I.,inzh.,retsenzent; PAUL', V.P.,inzh.,red.; NEKLEPAYEVA, Z.A.,inzh.,red.; MEDVEDEVA, M.A., tekhn. red.

[Buildings in railroad transportation] Zdaniia na zheleznodorozhnom transporte. Moskva, Transzheldorizdat, 1962. 408 p. (MIRA 15:6)
(Railroads--Buildings and structures)

CHUFRIYEV, T.G., kand.tekhn.nauk, dotsent

The problem of classifying buildings in railroad transport.
Trudy MIIT no.140:5-10 '62. (MIRA 15:7)
(Railroads--Buildings and structures)

ACCESSION NR: AP4043607 S/0056/64/047/002/0393/0399

AUTHORS: Khulelidze, D. Ye.; Chikhladze, V. L.; Maksimov, M. Z.; Onufriyev, V. G.

TITLE: Excitation functions of the reactions (α, γ) and (α, n) on tin isotopes

SOURCE: Zh. eksper. i teor. fiz., v. 47, no. 2, 1964, 393-399

TOPIC TAGS: excitation, alpha particle reaction, samarium, tellurium, tin, alpha cross section

ABSTRACT: In view of the unexpectedly large value of the cross section the authors obtained previously (Programma i tezisy* dokladov XIII yezhegodnogo soveshchaniya po yadernoy spektroskopii [Program and Topics of Papers of 13th Annual Conference on Nuclear Spectroscopy] AN SSSR, 1963), the excitation functions of the reactions $Sm^{112}(\alpha, \gamma)Te^{116}$, $Sm^{112}(\alpha, n)Te^{115}$ and $Sm^{114}(\alpha, n)Te^{117}$ were

Card 1/5

ACCESSION NR: AP4043607

measured in the alpha-particle energy range 10--20 MeV. The values obtained for the cross sections at the maximum were 8, 54, and 290 mb, respectively, with the cross sections of the (α, γ) reaction very large. A technique using stacks of foils was employed, with the energy of the alpha particles incident on each foil calculated from the range-energy ratio (N. Z. Maksimov, ZhETF, v. 37, 127, 1959). The corresponding cross sections are calculated on the basis of the compound-nucleus model. The probability of gamma emission is calculated both in the single-particle approximation and by means of formulas which take into account the giant resonance structure. In the latter case, the agreement with experiment is better. "In conclusion, the authors are deeply grateful to corresponding member AN SSSR B. S. Dzhelepov for useful advice and continuous interest in the work." Orig. art. has: 2 figures and 5 formulas.

ASSOCIATION: None

Card 2/5

ACCESSION NR: AP4043607

ENCL: 02

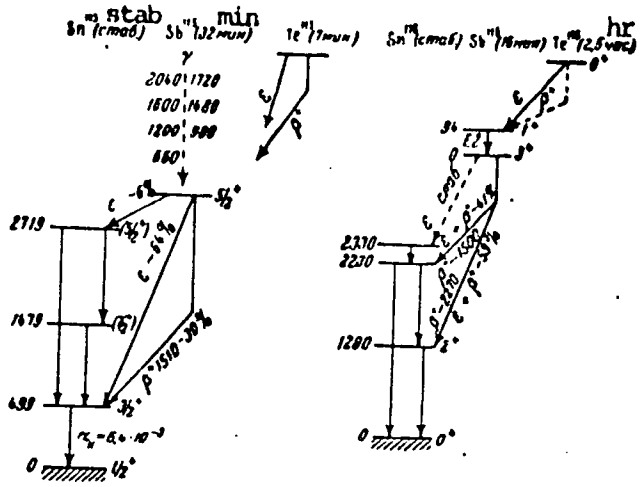
SUBMITTED: 13Aug63

SUB CODE: NP NR REF SOV: 005 OTHER: 011

Card 3/5

ACCESSION NR: AP4043607

ENCLOSURE: 01

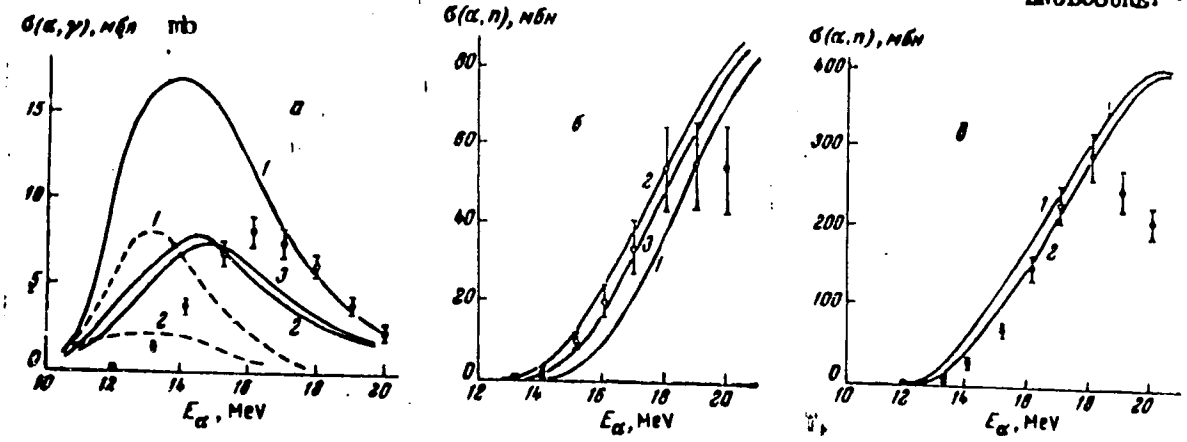


Decay schemes of Te^{115} and Te^{116} for the transition with 94 keV energy

Card 4/5

ACCESSION NR: AP4043607

ENCLOSURE: 02



Cross sections of reactions: a - $Sn^{112}(\alpha,\gamma)Te^{116}$, b - $Sn^{112}(\alpha, n)Te^{115}$, c - $Sn^{114}(\alpha, n)Te^{117}$ as a function of the alpha-particle lab. energy

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L 10913-65 EWT(m)/EWP(b) DIAAP RDW/JD

ACCESSION NR: AP4046440 S/0056/64/047/003/1167/1168

AUTHORS: Khelelidze, D. Ye.; Chikhladze, V. I.; Onufriyev, V. G.

TITLE: The isomer Te-115m

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 47, no. 3, 1964, 1167-1168

TOPIC TAGS: tellurium, isomer, electron line, conversion electron, K shell, L shell, transition energy

ABSTRACT: The authors attempted to establish exactly the mass number of the isomer and the multipolarity of the associated 284-keV transition observed by Demin and Roxman (ZhETF v. 45, 2067, 1963) following irradiation of a natural isotopic mixture of tin by α particles. The isomer was produced by bombarding a tinfoil target enriched to 60% of Sn^{112} with α particles at energy 21 MeV. The pulses from the spectrometer detector were fed alternately to

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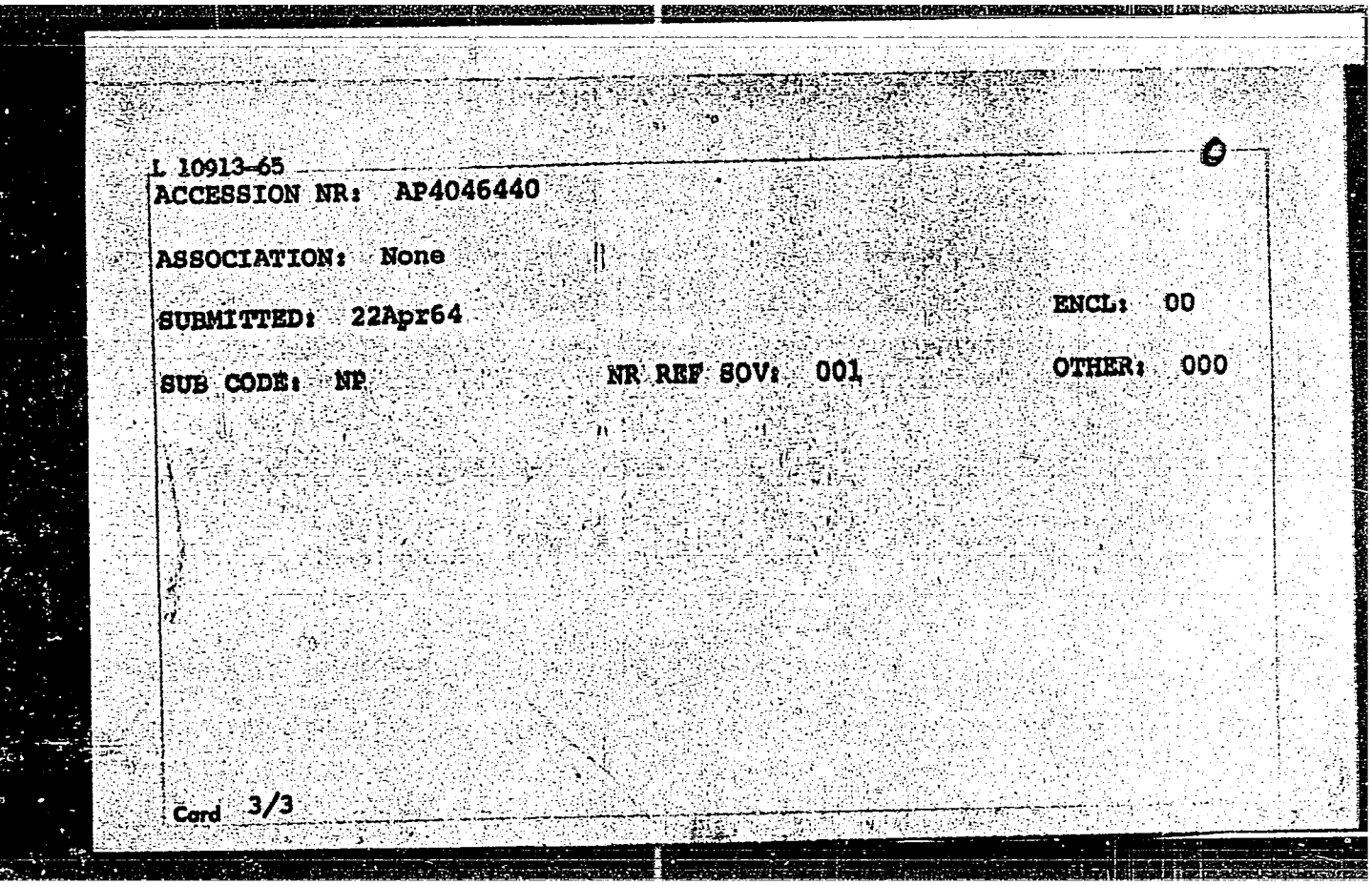
L 10913-65
ACCESSION NR: AP4046440

scaling circuits which measured the effect plus the background and the background separately, making it possible to eliminate the long-lived activity background and to accumulate appreciable statistics by repeating the irradiation cycles many times. Special electronic apparatus was developed to control the irradiation and the measurements, and will be described in a later article. The internal conversion electron spectrum disclosed the presence of two electron lines with energies 243.7 and 271.1 keV, identified as the K and L conversion electrons of a transition of energy 275 ± 3 keV. The K/L ratio was 5.1 ± 0.4, which shows the transition to be of the M3 type. The 275 keV transition lines were not present in the spectrum obtained with a tin target enriched with Sn^{114}. They were likewise absent in experiments in which these targets were bombarded by deuterons. From this the authors deduce the existence of an isomer state Te^{115m} with a half life 104 ± 5 msec, with an isomeric transition energy 275 ± 3 keV of M3 type. The spin and parity of the isomeric state should be $7/2^+$.

Card 2/3



L 10913-65
ACCESSION NR: AP4046440

ASSOCIATION: None

SUBMITTED: 22Apr64 ENCL: 00

SUB CODE: NP NR REF SOV: 001 OTHER: 000

Card 3/3

L 32888-65 EWT(m)/EWP(t)/EWP(b) IJAAP/IJP(c) JD

ACCESSION NR: AP5004536 S/0048/65/029/001/0133/0138

19
18
B

AUTHOR: Khulelidze, D.Ye.; Chikhladze, V.L.; Onufriyev, V.G.

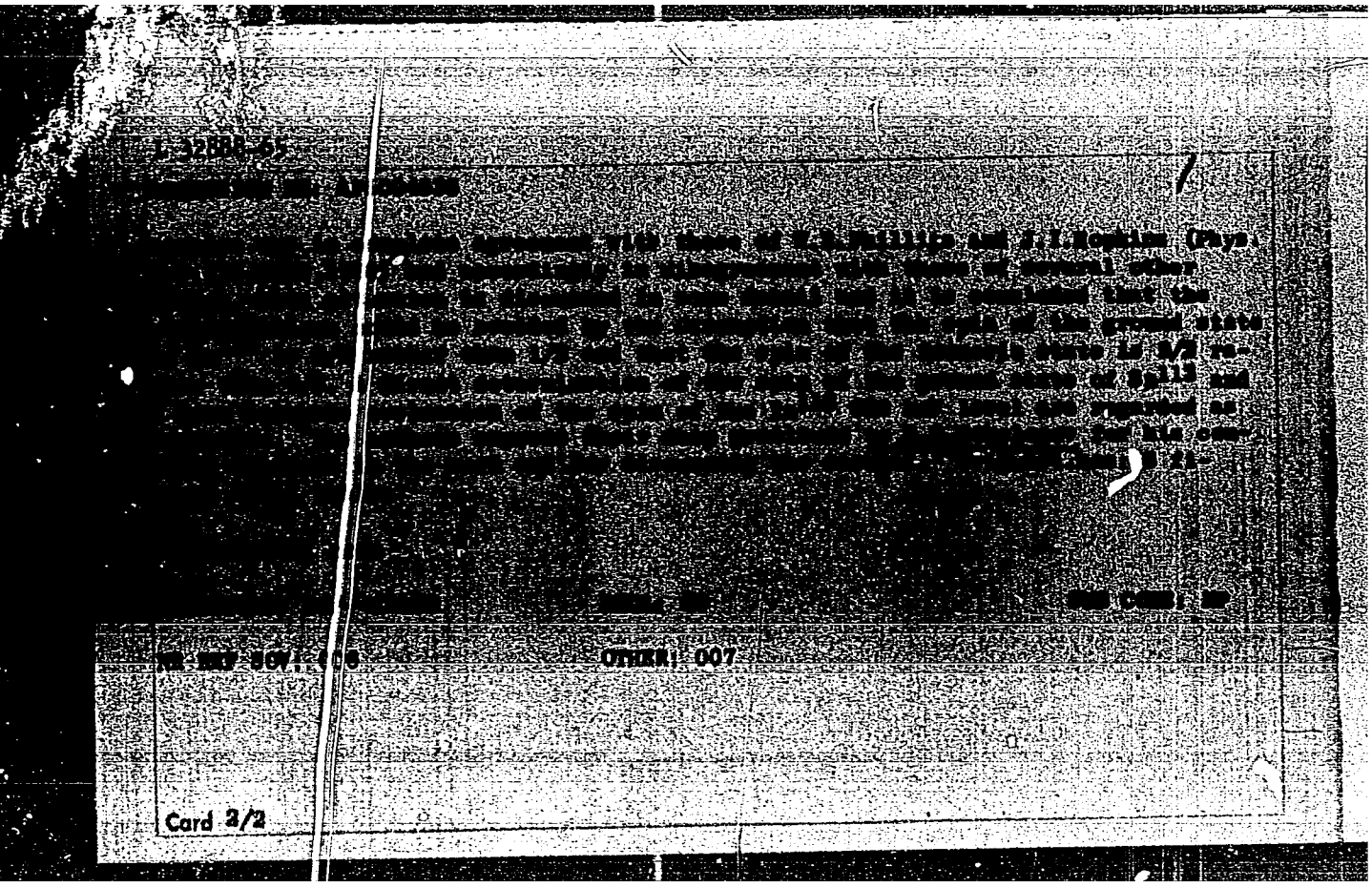
TITLE: Decay schemes for isomeric Sn^{117} and Sn^{113} /Report, 14th Annual Conference on Nuclear Physics held in Tbilisi 14-22 Feb 1964/

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v.29, no.1, 1965 133-138

TOPIC TAGS: internal conversion, gamma ray spectrum, isomeric transition, spin, parity, tin

ABSTRACT: The γ-ray and internal conversion spectra of Sn^{117m} and Sn^{113} were investigated. The material was prepared by prolonged bombardment of cadmium foil with 21 MeV α-particles and subsequent chemical separation of the tin fraction without carrier. The spectra were observed after a week's delay to permit the short-lived activities to subside. In addition to Sn^{117m} and Sn^{113}, the material contained 250-day Sn^{119m}, the low energy γ-rays from which, however, caused no difficulty. The 325 keV γ-rays of Sn^{117m} reported by S.M.Kolebin (Zhur.eksp.i teor.fiz.30,957,1956) were not observed, and it is concluded that their intensity cannot exceed 0.05% that of the 159 keV γ-rays. The results obtained from the observations of the Sn^{113}

Card 1/2



KHULELIDZE, D.Ye.; CHIKHLADZE, V.I.; ONUFRIYEV, V.G.

The Sn^{109} decay scheme. Izv. AN SSSR.Ser.fiz. 29 no.5:[illegible]
My '65. MIRA 18:7

1. Fiziko-tekhnicheskiy institut Gosudarstvennogo komiteta po ispol'zovaniyu atomnoy energii SSSR.

KHULELIDZE, D.Ye.; CHIKOVANI, V.L.; ONUFRIYEV, V.G.; KUSHAKEVICH, Yu.F.; DYATLOV, V.K.

Isomeric transitions in In^{114*} and Te^{115*}. The β^+-spectrum of Te^{115}. Izv. AN SSSR.Ser.fiz.29 no.5:734-738 My '65. (MIRA 18:5)

1. Fiziko-tekhnicheskiy institut Gosudarstvennogo komiteta po ispol'zovaniyu atomnoy energii SSSR.

USSR / Diseases of Farm Animals. Diseases Caused by Protozoa. F

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 7472

Author : Onufriyev, V. P.; Musnkov, V. G.
Inst : Leningrad Scientific Research Veterinary Institute
Title : Testing the Imported Preparation "Berenil" for the Therapy of Babesiosis in Cattle

Orig Pub : Byul. nauchno-tekhn. inform. Leningr. n.-i. vet. in-ta, 1957, vyp 4, 30-33

Abstract : No abstract given

Card 1/1

26

ONUFRIYEV, V. P., Cand Vet Sci Diss -- "A study of the toxic effect of certain preparations on the tick Ixodes ricinus". Kharkov, 1957. 15 pp (Min Agric Ukr SSR, Kharkov Vet Inst), 120 copies (KL, No 4, 1958, 107)

ONUFRIYEV, V. F.

"On the Stability of Female Ixodes Ricinus L. which have been fed in Respect to Acaricidal Preparations, Depending on the Intensity of Gaseous Interchange."

Tenth Conference on Parasitological Problems and Diseases with Natural Reservoirs, 22-29 October 1959, Vol. II, Publishing House of Academy of Sciences, USSR, Moscow-Leningrad, 1959.

Leningrad Scientific Research Institute of Veterinary Medicine

ONUFRIYEV, [illegible] [illegible], [illegible] [illegible], PRONIN, [illegible]

Studying [illegible] virus of foot-and-mouth [illegible] vaccines [illegible] [illegible] [illegible]

[illegible] Vses [illegible]

L 10355-66 EWT(1)/EWA(j)/EWA(b)-2 JK

ACC NR: AP5028189 SOURCE CODE: UR/0346/65/000/009/0011/0014

AUTHOR: Syurin, V. N.; Romanenko, V. F.; Dryagalin, N. N.; Onufriyev, V. P.

ORG: All-Union Research Institute of Foot and Mouth Disease (Vsesoyuznyy nauchno-issledovatel'skiy yashchurnyy institut)

TITLE: Principles in studying the genetic characteristics of foot and mouth disease virus

SOURCE: Veterinariya, no. 9, 1965, 11-14

TOPIC TAGS: virus disease, foot and mouth disease, vaccine, virus genetics, veterinary medicine

ABSTRACT: Two conclusions emerge from this survey of the literature (79 Soviet and foreign references) on new approaches to directed variability of the foot and mouth disease virus. First, no method of adaptation variability of this virus is now conceivable without simultaneous utilization of the methods of selection of a virulent clones because the genetic heterogeneity of the virus population inevitably increases in the course of adaptation at any given period. The clone selection method is useful here in shortening the time required for obtaining vaccinal strains experimentally. Second, during adaptation the virus initially loses its specific pathogenicity for naturally susceptible animals while retaining for some time (depending on the biological properties of the strain and method of attenuation) its antigenic and im-

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ACC NR: AP5028189

munogenic properties. This period of practical value of the virus as a vaccinal strain is related to a host of genetic characteristics which must be carefully studied by the investigator. Unless these characteristics are taken into account, further attenuation will definitely result in a loss of the virus' immunogenic properties. The authors state that an absolute prerequisite for the preparation of hoof and mouth disease vaccine is an intensive study of the virus' genetic characteristics and their connection with the vaccine's avirulence and immunogenicity. If this is ignored, the final product will be hyperattenuated, non-immunogenic, and virtually useless.

SUB CODE: 06/ SUBM DATE: 00/ ORIG REF: 008/ OTH REF: 071

PC

Card 2/2

L 31309-66 EWT(1)/T JK
ACC NR: AP6022583 (A,N) SOURCE CODE: UR/0346/66/000/001/0031/0035

AUTHOR: Likhachev, L. V. (Active member VASKHNIL; Head of laboratory); Andreyev, Ye.V. (Candidate of sciences); Onufriyev, V. P. (Candidate of sciences); Syusyukin, K. A. (Candidate of sciences)

ORG: [Likhachev] Virus Preparation Laboratory, GNKI (Laboratoriya virusnykh preparatov GNKI); [Andreyev, Onufriyev, Syusyukin] All-Union Scientific Research Foot-and-Mouth Disease Institute (Vsesoyuznyy nauchno-issledovatel'skiy yashchurnyy institut)

TITLE: Scientific prophylaxis of foot-and-mouth disease

SOURCE: Veterinariya, no. 1, 1966, 31-35

TOPIC TAGS: foot and mouth disease, disease control, vaccine, virus

ABSTRACT: This review article cites Soviet and non-Soviet literature as recent as 1965. It presents a brief history of foot-and-mouth disease control measures in Tsarist and Soviet Russia, as well as efforts in the Soviet Union and abroad to develop foot-and-mouth disease vaccines. Recently, lapinized virus vaccines, though still not effective enough, have prevented the development in the Soviet Union of epizootics of Types O and A. Frenkel's large-scale production method has now been introduced in the Soviet Union. The authors note the English emphasis on re-vaccination. Various attempts to obtain cheap, reliable vaccine are mentioned. A. A. Sviridov (Novosibirsk Scientific Research Veterinary Station) has obtained an avirulent variant of the virus by prolonged passages of Type A in a monolayer culture of new-born rabbit kidney; it is now being tested for large-scale production. [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 019 / OTH REF: 025
Card 1/1 UDC: 619:616.988.43-084:636

0915 0600

L 31322-66 EWT(1)/T JK
ACC NR: AP6022590 (A,N) SOURCE CODE: UR/0346/66/000/001/0106/0107

AUTHOR: Onufriyev, V. P.; Dudnikov, A. I.; Shvetsov, Yu. F.; Sobko, A. I.

ORG: All-Union Scientific Research Foot-and-Mouth Disease Institute (Vsesoyuznyy nauchno-issledovatel'skiy yashchurnyy institut)

TITLE: Determination of the type and variant of foot-and-mouth disease virus as the basis for specific prophylaxis

SOURCE: Veterinariya, no. 1, 1966, 106-107

TOPIC TAGS: foot and mouth disease, virus, immunity

ABSTRACT: The authors note the plurality of the foot-and-mouth disease virus and the resulting importance of early and accurate type and variant identification as an essential prerequisite for proper control measures. They support their case with citations of the non-Soviet literature, observing that this question had been insufficiently studied in the Soviet Union. They review the methods for type and variant identification. Since identification with the complement fixation test and cross infection of immune animals requires much work and time, they recommend that this work should be centralized in the USSR in regional centers. [JPRS]

SUB CODE: 06 / SUBM DATE: none

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0915 06.07

L 40177-66 I(1)/T JK

ACC NR: AP6029380 (A,N) SOURCE CODE: UR/0346/66/000/006/0029/0030

AUTHOR: Kuznetsova, G. M.; Ikovataya, G. M.; Onufriyev, V. P.

ORG: All-Union Foot-and-Mouth Disease Research Institute (Vsesoyuznyy nauchno-issledovatel'skiy yashchurnyy institut)

TITLE: Ixodes ticks as transmitters of foot-and-mouth disease virus

SOURCE: Veterinariya, no. 6, 1966, 29-30

TOPIC TAGS: tick, virus, hoof and mouth disease, experiment animal

ABSTRACT: The ticks Hyalomma plumbeum and Rhicephalus bursa in the imaginal state become infected when allowed to feed on guinea pigs experimentally inoculated with foot-and-mouth disease virus. The preimaginal stages (larvae and nymphs) do not become infected. Adult ticks do not transmit the virus transoverially or from stage to stage in the course of metamorphosis. [JPRS: 36,932]

SUB CODE: 06 / SUBM DATE: none

Card 1/1 UDC: 619:616.988.43-036.2

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