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where $[u]_c = u|_{c-0} - u|_{c+0}$; $\left[\frac{\partial u}{\partial \nu}\right]_c = \frac{\partial u}{\partial \nu_1}\Big|_{c-0} - \frac{\partial u}{\partial \nu_2}\Big|_{c+0}$; ν_1 is the outer conormal for L_1 with respect to g_1 ; ν_2 is the inner conormal for L_2 with respect to g_2 ; $C - 0$ and $C + 0$ mean that the value of the inner and outer side of C, respectively, with respect to g_1 is taken.

Definition : A function u(x) is called a classical solution of (1) which 1). in $(g_1 + C)$ and $(g_2 + C + \Gamma)$ belongs to $C^{(0)}$, in $(g_1 + C)$ and $(g_2 + C)$ belongs to $C^{(1)}$ and in g_1 and g_2 belongs to $C^{(2)}$; 2). satisfies (1) in the classical sense.

Condition B includes: 1). C belongs to the Lyapunov class, Γ is regular ; 2). $a_{ik}^{(1)} \in C^{(1,\mu)}$ in $(g_1 + C)$, $a_{ik}^{(2)} \in C^{(1,\mu)}$ in $(T - g_1)$, $b_i^{(1)}$ and $c^{(1)} \in C^{(0,\mu)}$ in $(g_1 + C)$, $b_i^{(2)}$ and $c^{(2)} \in C^{(0,\mu)}$ in $(T - g_1)$, $f^{(1)} \in C^{(0,\mu)}$ in g_1 and $\in C^{(0)}$ in $(g_1 + C)$, $f^2 \in C^{(0,\mu)}$ in g_2 and $\in C^{(0)}$ in $(g_2 + C + \Gamma)$

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C111/C222

The solvability of the problems ...

3). the $a_{ik}^{(m)}$, $m = 1,2$, satisfy the condition of ellipticity in their regions of definition. 4). $c^{(m)}(x) \geqslant 0$ everywhere in the region of definition 5). $\varphi(x)$ is defined and continuous on Γ. 6). $\psi(x)$ and $\chi(x)$ are defined on C, and $\psi \in C^{(1,\mu)}$ and $\chi \in C^{(0,\mu)}$.
Theorem 1 : If the first, second and fourth of the conditions B are satisfied then there exists a (unique) classical solution of (1), where in each of the regions $(g_1 + C)$ and $(g_2 + C)$ it belongs to the class $C^{(1,\delta)}$.
According to the author, analogous results hold for the Neumann's problem (then in (1) $u|_\Gamma = 0$ is replaced by

$(\partial u/\partial \nu_2 + hu)|_\Gamma = \varphi$, $h(x) \geqslant 0$, $\varphi \in C^{(1,\mu)}$) if the definition of the classical solution is completed by $u(x) \in C^{(1)}$ in $(g_2 + C + \Gamma)$ and to B it is added : 1) Γ - - surface of the type of Lyapunov ; 2) $h(x) \in C^{(0)}$ on Γ.

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20313

The solvability of the problems ... S/020/61/137/001/003/021
C111/C222

If $\varphi \equiv \psi \equiv \chi \equiv 0$ and if L_1, L_2 are selfadjoint then the classical solution of the Dirichlet problem (1) is simultaneously the generalized one (cf. (Ref. 5 : V.A. Il'in, I.A. Shishmarev, Izv. AN SSSR, ser. matem. 24, no. 4, 1960)).
The author mentions O.A. Oleynik. He thanks A.N. Tikhonov for discussions. There are 5 Soviet-bloc and 1 non-Soviet-bloc references.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova (Moscow State University imeni M.V. Lomonosov)

PRESENTED: October 14, 1960, by I.G. Petrovskiy, Academician

SUBMITTED: October 6, 1960

Card 4/4

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

IL'IN, V.A.

System of classical eigenfunctions of a linear self-adjoint elliptic operator with discontinuous coefficients. Dokl. AN SSSR 137 no.2:272-275 Mr '61. (MIRA 14:2)

1. Moskovskiy gosudarstvennyy universitet im.M.V.Lomonosova. Predstavleno akademikom I.G.Petrovskim.
(Eigenfunctions)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

IL'IN, V.A.; SHISHMAREV, I.A.

Smoothness properties of the generalized potentials of an elliptic operator. Dokl. AN SSSR 141 no.3:547-550 N '61. (MIRA 14:11)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova. Predstavleno akademikom I.G. Petrovskim.
(Operators (Mathematics)) (Potential, Theory of)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

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C111/C444

AUTHOR: Il'in, V. A.

TITLE: Fourier method for a hyperbolic equation with discontinuous coefficients

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 142, no. 1, 1962, 21-24

TEXT: The open domain g with the boundary Γ is assumed to lie in the open domain T; g be divided into the domains $g_0, g_1, \ldots, g_k$ by closed surfaces $C_1, C_2, \ldots, C_k$ which have no intersections. By aid of the self-adjoint elliptic operators

$$L_l u = \sum_{i,j=1}^{N} \frac{\partial}{\partial x_i}\left[a_{ij}^{(l)}(x)\frac{\partial y}{\partial x_j}\right] + c^{(l)}(x)\,u \qquad (1)$$

being defined for $l = 0$ in $(T - g_1, - \ldots - g_k)$ and for $l = 1,2,\ldots$ in $(g_l + C_l)$, in $\Omega = g \times (0 < t < t_0)$ the mixed boundary value problem

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$L_l u - u_{tt} = -f(x,t)$ where $\Omega_l (l = 0, 1, \ldots, k)$,

$u(x,0) = \varphi(x)$, $u_t(x,0) = \psi(x)$

$$u\Big|_{S_0} = 0, \quad [u]\Big|_{S_i} = 0, \quad \left[\frac{\partial u}{\partial \nu}\right]\Big|_{S_i} = \frac{\partial u}{\partial \nu_i}\Big|_{S_i - 0} - \frac{\partial u}{\partial \nu_0}\Big|_{S_i + 0} \qquad (2)$$

is formulated, where $[u]\Big|_{S_i} = u\Big|_{S_i - 0} - u\Big|_{S_i + 0}$, $\left[\frac{\partial u}{\partial \nu}\right]\Big|_{S_i} = \frac{\partial u}{\partial \nu_i}\Big|_{S_i - 0} - \frac{\partial u}{\partial \nu_0}\Big|_{S_i + 0}$ ν_i being the inner conormal of $L_i (i = 1, \ldots, k)$ with respect to Ω_i, ν_0 being the outer conormal of L_0 with respect to Ω_0, $\Omega_l = g_l \times [0 < t < t_0] (l = 0, 1, \ldots, k)$, $S_i = C_i \times [0 \leq t \leq t_0]$, $S_0 = \Gamma \times [0 \leq t \leq t_0]$.

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which in the limit case, where no discontinuities of the coefficients exist turn into the minimal well-known suppositions set up by the author (Ref. 1: UMN, 15, v. 2, 97(1960)) for the solvability of the mixed problem for the hyperbolic equation with continuous coefficients; thus e. g. Γ has to be regular, C_i ($i = 1,2,\ldots, k$) only have to belong to the class of Lyapunov; the coefficients of L_1 have to satisfy the conditions A, besides $a_{ij}^{(1)}$ have to possess $\left[\frac{N}{2}\right] + 2$ and $c_{ij}^{(1)}$ posses $\left[\frac{N}{2}\right] + 1$ continuous derivatives in $\bar{g}_1$ ($1 = 0, 1, \ldots, k$); further on there has to be $\varphi \in W_2^{([N/2]+3)}$ $\psi \in W_2^{([N/2]+2)}$ in every $\bar{g}_1$, $f \in W_2^{[N/2]+2}$ in every Ω_1. Besides $\varphi(x)$, $\psi(x)$, $f(x,t)$ have to be such that each of functions φ, $L\varphi, \ldots, L^{[(N+4)/4]}\varphi$, ψ, $L\psi, \ldots, L^{[(n+2)/4]}\psi$, f, $Lf, \ldots, L^{[(N+2)/4]}f$ on C_i (for φ and ψ) respectively on S_i (for f) satisfies the conditions

$\left[F(x)\right]\Big|_{c_i}$ respectively $s_i = 0$ $\left[\frac{\partial F}{\partial \nu}\right]\Big|_{c_i}$ respectively $s_i = 0$

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As a classical solution a function $u(x,t)$ is denoted if 1.) it is continuous in $\bar{\Omega}$, 2.) its first and second derivatives are continuous in every Ω_1, 3.) its first derivatives are continuous in $(\Omega_i + S_i)$ $(i = 1,2,\ldots, k)$ and in $(\bar{\Omega}_0 - S_0)$ 4.) $u_t(x,t)$ is continuous in $t = 0$ $x \in g$; and 5.) it satisfies all conditions of the problem in the classical sense.

Theorem 1 states that in case the conditions A of the former paper of the author (Ref. 2: DAN 137, no. 2, (1961)) being satisfied, problem (2) can possess only one classical solution.

Theorem 2: Let the conditions A and besides the following conditions be satisfied:

1.) $\varphi \in C^{(0)}$ in $(g+\Gamma)$, $\varphi \in C^{(1,\mu)}$ in g_0; 2.) $\psi \in C^{(0)}$ in $(g+\Gamma)$; 3.) $f \in C^{(0)}$ in $\bar{\Omega}$ If then a classical solution of (2) does exist, it belongs to $W_2^1(\Omega)$, and it is identical with the solution of problem (2) generalised in the sense of O. A. Ladyzhenskaya (Ref. 3: Smeshannaya zadacha dlya giperbolicheskogo uravneniya [The mixed problem for the hyperbolic equation], 1953, 72-73).

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In order to prove the existence of the classical solution first of all one formally applies the Fourier method by which for the solution the following series

$$u(x,t)=\sum_{n=1}^{\infty} v_n(x)\left\{\varphi_n \cos\sqrt{\lambda_n}t + \frac{\psi_n}{\sqrt{\lambda_n}}\sin\sqrt{\lambda_n}t + \frac{1}{\sqrt{\lambda_n}}\int_0^t f_n(\tau)\sin\sqrt{\lambda_n}(t-\tau)d\tau\right\} \quad (4)$$

is obtained, where λ_n and $v_n(x)$ are the eigenvalues and the eigenfunctions of the considered problem in Ref. 2:

$$L_1 v+\lambda v=0 \ (g_1,\ 1=0,1,\ldots,k),\ v\big|_{\Gamma}=0,\ [v]\big|_{C_i}=0,\ \left[\frac{\partial v}{\partial \nu}\right]\Big|_{C_i}=0 \ (i=1,2,\ldots,k) \quad (3)$$

φ_n, ψ_n and $f_n(t)$ being the Fourier coefficients of $\varphi(x)$, $\psi(x)$ and $f(x,t)$, in the expansion in terms of the orthonormal system $v_n(x)$.

In theorem 3 the existence of a unique classical solution of (2) given by (4) is proved. The proof is done under rather economical suppositions

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C111/C444

Fourier method for a hyperbolic . . .

($L \equiv L_1$ in g_1, $l = 0, 1, \ldots, k$).

At last these functions are to belong to $\mathring{D}(g)$ for φ and ψ, and to $\mathring{D}_1(\Omega)$ for f.

The author mentions S. L. Sobolev, O. A. Ladyzhenskaya, Yu. V. Yegorov. He thanks A. N. Tikhonov and J. A. Shishmarev.

There are 6 Soviet-bloc references.

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

PRESENTED: June 30, 1961, by J. G. Petrovskiy, Academician

SUBMITTED: June 15, 1961

Card 6/6

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

YAMPOL'SKIY, Anatoliy Mikhaylovich, kand. tekhn.nauk; ILLIN, V.A., red.

[Chemical marking of parts made of ferrous and nonferrous metals and alloys] Khimicheskoe kleimenie detalei iz chernykh i tsvetnykh metallov i splavov. Leningrad, 1964. 6 p. (MIRA 17:9)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

BERG,A.I.,glav.red.; TRAPEZNIKOV,V.A.,glav.red.; TSYPKIN, Ya.Z., doktor tekhn.nauk,prof.,red.; VOROLOV,A.A., doktor tekhn.nauk,prof.,red.; SOTSKOV,B.S., doktor tekhn.nauk,red.; AGEYKIN,D.I., doktor tekhn. nauk, red.; GAVRILOV,M.A., red.; VENIKOV,V.A., doktor tekhn.nauk, prof.,red.; CHELYUSTKIN,A.B., doktor tekhn. nauk,red.; PROKOF'YEV, V.N., doktor tekhn.nauk,prof.,red.; IL'IN,V.A., doktor tekhn.nauk, prof.,red.; KITOV,A.I.,doktor tekhn.nauk,red.; KUNITSKIY, N.A., kand. fiz.-matem.nauk,red.; KOGAN,B.Ya., doktor tekhn.nauk, red.; USHAKOV,V.B., doktor tekhn.nauk,red.; LERNER,Yu.A., doktor tekhn. nauk,prof., red.; FEL'DBAUM, A.A.,prof., doktor tekhn.nauk,red.; SHREYDER,Yu.A., kand. fiz.-mat. nauk,dots.,red.; KHAIKEVICH,A.A., akad., red.;TIMOFEYEV,P.V., red.; MASLOV,A.A.,dots.,red.; LEVIN, G.A., prof.,red.; LOZINSKIY,M.G., doktor tekhn.nauk,red.; NETUSHIL, A.V., doktor tekhn.nauk,prof.,red.; POPKOV,V.I.,red.; ROZENBERG, L.D.,doktor tekhn.nauk,prof.,red.; LIVSHITS,A.L.,kand.tekhn.nauk, ed.

[Automation of production and industrial electronics] Avtomatizatsiia proizvodstva i promyshlennaia elektronika; entsiklopediia sovremennoi tekhniki. Moskva, Sovetskaia Entsiklopediia. Vol.3. Pogreshnost' resheniia - Teleizmeritel'naia sistema chastotnaia. 1964. 487 p. (MIRA 17:10)

1. Chlen-korrespondent AN SSSR (for Sotskov, Gavrilov, Timofeyev, Popkov).

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

ACCESSION NR: AP[illegible]6587 S/0030/64/000/009/0068/0070

[illegible] technical sciences

[illegible] pulse devices

[illegible]

TOPIC TAGS: pulse transmitter, delay element, delay system

ABSTRACT: Simple nonsynchronous type pulse delay devices are not suitable for [illegible] and. For longer delays a synchronous delay element was [illegible] determining the time variables in an electric [illegible] (or discharging) the condensers is basically [illegible] condensers of the bridge and the bridge equilibri[illegible] increase through the nonlinear elements in the [illegible] In such a pulse bridge element (see Fig. [illegible] R_{out} and R_{rev} [illegible] R_{for}, where R_{in} [illegible] R_{for} and R_{rev} are the forward and reverse [illegible] depend on the level of the input signal or [illegible] only slightly with a change of the load resis[illegible] resistance. The time delay is $T = [illegible] \log [illegible]$, where

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[illegible] the voltage and resistance of the input and output. [illegible] was chosen [illegible] in practice [illegible]. This de- [illegible] sequential [illegible] union with similar or other unified log- [illegible] of n elements forms an n channel controller, and [illegible] forms a stable multivibrator). Many devices built [illegible] proved highly stable for delay times from one [illegible] The schematic diagram of a pulse width selector is [illegible] described. Orig. art. has [illegible] figures.

[illegible] (Leningrad [illegible] Institut [illegible] Elektromekhaniki [illegible] Institute of Electromechanics [illegible] Engineering [illegible] of the State Committee on [illegible] Applied Cybernetics and Control Systems at the [illegible] SSSR)

[illegible]

[illegible]

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

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Fourier series of such functions are summable almost everywhere in by Cesaro means and by the Poisson-Abel method [illegible] formulas

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APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

IL'IN, Vladimir Aleksandrovich; POZNYAK, Eduard Genrikhovich; TIKHONOV, A.N., red.; SVESHNIKOV, A.G., red.; SHIKMARET, I.A., red.

Fundamentals of mathematical analysis] Osnovy matematicheskogo analiza. Moskva, Nauka, 1965. 571 p. (Kurs vysshei matematiki i matematicheskoi fiziki, no.1)
(MIRA 18:9)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

ACC NR: AP7001454 (A) SOURCE CODE: UR/0413/66/000/021/0196/0196

INVENTORS: Il'in, V. A.; Fortovova, L. S.

ORG: none

TITLE: A method for electrolytic deposition of alloys based on gold with copper, silver, or antimony. Class 48, No. 188254

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 21, 1966, 196

TOPIC TAGS: gold, copper, silver, antimony, gold containing alloy, silver containing alloy, gold base alloy, antimony alloy, electrolytic deposition

ABSTRACT: This Author Certificate presents a method for electrolytic deposition of gold base alloy with copper, silver, or antimony. To improve the health conditions of the workers and the quality of the deposit, the deposition of the alloys is conducted from the electrolyte containing (in g/liter): metallic gold...3--5, potassium ferrocyanide...80--200; potassium thiocyanate...80--120; metallic copper...2--4; or metallic silver...0.5--1.0; or metallic antimony...0.03--0.07. The temperature should be 40--70C and the current density for alloys of gold-copper, 0.4--0.7 amp/dm^2; for gold-silver, 1.0--1.5 amp/dm^2; for gold-antimony, 0.3--0.5 amp/dm^2.

SUB CODE: 11, 07/ SUBM DATE: 28Jul65

Card 1/1 UDC: 621.357.7:669.215

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

L 20936-66 EWT(1)/EWA(h)

ACC NR: AP6002555 (A) SOURCE CODE: UR/0096/65/000/023/0059/0059

AUTHOR: Il'in, V. A.

ORG: none

TITLE: Bridge delay unit. Class 42, No. 176718

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 23, 1965, 59

TOPIC TAGS: delay circuit, transistorized circuit

ABSTRACT: This Author Certificate presents a bridge delay unit containing an RC circuit in one of the bridge arms and the emitter-collector junction of a transistor in one of the diagonals. The transistor is connected to the power supply through a collector resistance. To increase the delay stability and to improve the load capacity of the unit, a supply voltage divider is connected in the other arm of the bridge (see Fig. 1). The midpoint of the divider is connected through a diode to the transistor collector. The input of the unit is connected through a diode to the junction of the resistance and capacitance of the unit.

Card 1/2 UDC: 681.142

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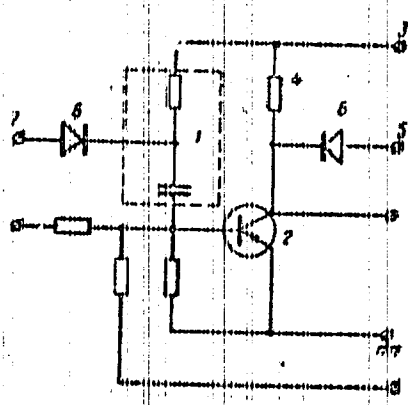
L 20936-66

ACC NR: AP6002565

Fig. 1. 1 - RC circuit; 2 - transistor; 3 - power supply; 4 - collector resistance; 5 - midpoint of divider; 6 - diodes; 7 - unit input.



Orig. art. has: 1 diagram.

SUB CODE: 09/ SUBM DATE: 27Feb64

Card 2/2

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

ILI'IN, V.A.

Classical formulation of the localization principle for Fourier series in eigenfunctions of n-dimensional regions. Dokl. AN SSSR 160 no.3:523-526 Ja '65. (MIRA 18:3)

1. Moskovskiy gosudarstvennyy universitet. Submitted July 9, 1964.

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IL'IN, V.B., Cand Agr Sci -- (diss) "Fertility factors of the chestnut brown soils of Central Kulunda." Mos, 1959, 20 pp including cover (Mos Order of Lenin Agr Acad im K.A. Timiryazev) 110 copies (KL, 34-59, 115)

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IL'IN, V.B.

Forms of phosphorus in Chestnut soils of central Kulunda. Izv. Sib.otd.AN SSSR no.4:95-103 '59. (MIRA 12:10)

1. Zapadno-Sibirskiy filial Sibirskogo otdeleniya AN SSSR.
(Kulunda Steppe--Soils) (Phosphous compounds)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

PERSHINA, M.N., doktor sel'skokhozyaystvennykh nauk, prof.; IL'IN, V.B., kand.sel'skokhozyaystvennykh nauk; SELYAKOV, S.N., starshiy nauchnyy sotrudnik

Fractional composition of the humus of Chestnut soils in Central Kulunda [with summary in English]. Izv. TSKhA no.4:73-81 '60. (MIRA 13:9)

(Kulunda Steppe—Humus)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

YUDIN, V.A., prof., doktor tekhn. nauk; DOBROGURSKIY, S.O., prof., retsenzent; IL'IN, V.B., insh., red.; CHERNYAGIN, B.M., inzh., red.; TIKHONOV, A.Ya., tekhn. red.

[Mechanisms of instruments] Mekhanizmy priborov; spravochnik. Moskva, Mashgiz, 1952. 487 p. (MIRA 16:8)
(Mechanisms) (Instruments)

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IL'IN, V.B., kandidat tekhnicheskikh nauk.

Effect of the inclination of navigational instruments on the accuracy of completing aerial photographic stripe. Trudy TSNIIGAIK no.105:11-23 '55. (MIRA 9:6)
(Photography, Aerial)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

ILYIN, V. G.

ILYIN, V. G. -- "TECHNICAL REQUIREMENTS OF AERIAL PHOTOGRAPHIC EQUIPMENT, USED FOR PLOTTING LARGE- AND MEDIUM-SCALE MAPS." SUB 19 DEC 52, MOSCOW INST OF ENGINEERS OF GEODESY, AERIAL PHOTOGRAPHY, AND CARTOGRAPHY, MINISTRY OF HIGHER EDUCATION USSR (DISSERTATION FOR THE DEGREE OF CANDIDATE IN TECHNICAL SCIENCES)

SO: VECHERNAYA MOSKVA, JANUARY-DECEMBER 1952

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

IL'IN, V.B.

Water and nutrient balance of columnar Solonetz soils in Chany District of Novosibirsk Province in the first year of cultivation. Trudy Biol. inst. Zap.-Sib. fil. AN SSSR no.3:139-147 '57. (MIRA 13:10)

(Chany District--Solonetz soils)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

S/547/62/000/146/001/004
A001/A101

AUTHORS: Il'in, V. B., Derviz, V. D., Candidates of Technical Sciences

TITLE: Aerial camera АФА - ТЭУ (AFA-TEU) and its tests

SOURCE: Moscow. Tsentral'nyy nauchno-issledovatel'skiy institut geodezii, aeros"yemki i kartografii. Trudy. no. 146. 1962. Issledovaniya po fotogrammetrii, 3 - 15

TEXT: The aerial camera АФА - ТЭ (AFA-TE) used at present for topographic surveys does not meet demands on the quality of aerial photographs. An improved version of this camera, AFA-TEU, has been designed and constructed in the optical laboratory of the TsNIIGAiK under guidance of M. M. Rusinov. The AFA-TEU aerial camera includes: 1) a new shutter of the ЗБС - М (ZBS-M) type with increased exposure time range; 2) an automatic device which controls exposure time in dependence on luminosity ("svetimost'") of a country and ensures negatives of constant integral density (luminosity is understood as the product of illumination by albedo of the country); 3) sensitometric wedge impressed into every frame; 4) stabilizer of aerial film tension; 5) an automatic vacuum-valve preserving a

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Aerial camera АФА-ТЭУ (AFA-TEU) and its tests

S/547/62/000/146/001/004
A001/A101

constant pressure drop; 6) special marks in the camera for determining image deformations in films. The camera weighs 56 kg; current consumed between the cycles is 8 - 10 amp, and during a cycle - 13-15 amp. The high-speed shutter, ZBS, was designed by Engineers O. G. Gordon and S. P. Shokin; it is described and its kinematic diagram is presented. The automatic regulation system controlling exposure time can operate within the range of luminosity drop of the country being equal to $M \cong 45$; it is defined by the formula

$$M = \frac{\tau_{max} c^2_{max}}{\tau_{min} c^2_{min}}$$

where τ_{max} and τ_{min} are maximum and minimum exposure times, and c_{max} and c_{min} are maximum and minimum diaphragms. Aerial films in the АФА - ТЭУ - К (AFA-TEU-K) holder are leveled due to stabilized tension and vacuum action. The diagram of functioning of the vacuum-leveling system is presented. It was established by the tests that the shortest exposure time was 1/483 sec and the longest one - 1/65 sec. Durations of one cycle of operations were 2.6 sec at τ_{max} and 1.4 sec at τ_{min}. The optical efficiency was found to be = 0.85. The flight tests of

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

Aerial camera АФА - ТЭУ (AFA-TEU) and its tests

III/547/62/000/146/001/004
A001/A101

the camera AFA-TEU-140 were conducted in summer 1959 by performing aerial photo-surveys on scales ranging from 1 : 3,000 to 1 : 45,000 and using the method proposed by V. D. Derviz. Flight altitudes were 1,000 - 1,500 m at a cockpit temperature of +(18-21)°C and 6,250 m at a temperature of +(2-2.5)°C. It was concluded, as a result of the tests, that 1) the AFA-TEU camera is suitable for aerial surveys on all scales required for topographic maps; 2) it extends the possibilities of using highly sensitive, color and spectrum-zonal photomaterials; 3) yields negatives of practically constant integral density of better quality; 4) ensures a higher quality of straightening the aerial film into a plane; 5) increases the accuracy of measuring the systematic part of deformation which is taken into account during stereophotogrammetric processing. On the whole, the functioning of this camera is reliable. There are 6 figures.

Card 3/3

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

KOVALEV, R.V., doktor sel'skokhoz. nauk; IL'IN, V.B., kand. sel'skokhoz. nauk

Agrochemical soil research in Western Siberia. Vest. AN SSSR 34 no.6:61-64 Je '64 (MIRA 17:8)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

KOVALEV, R.V., doktor sel'khoz. nauk, otv. red.; IL'IN, V.B., kand. sel'khoz. nauk, red.; KLEVENSKAYA, I.L., kand. biol. nauk, red.; NEMLIYENKO, V.K., mlad. nauchn. sotr., red.; PANIN, P.S., kand. sel'khoz. nauk, red.; PANFILOV, V.P., kand. sel'khoz. nauk, red.; TROFIMOV, S.S., kand. sel'khoz. nauk, red.

[Transactions of the Conference of the Soil Scientists of Siberia and the Far East] Trudy Konferentsii pochvovedov Sibiri i Dal'nego Vostoka. Novosibirsk, AN SSSR, 1964. 532 p. (MIRA 18:3)
1. Konferentsiya pochvovedov Sibiri i Dal'nego Vostoka. Novosibirsk, 1962. 2. Biologicheskiy institut Sibirskogo otdeleniya AN SSSR (for Panfilov).

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

IL'IN, V.B.

Characteristics and distribution of boron in the districts of the Ob' - Irtysh interfluve. Izv. SO AN SSSR no.8. Ser. biol.-med. nauk no.2:28-37 '65. (MIRA 18:9)

1. Biologicheskiy institut Sibirskogo otdeleniya AN SSSR, Novosibirsk.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

ACC NR: AT6028598 (N) SOURCE CODE: UR/2547/66/000/165/0094/0101

AUTHOR: Il'in, V. B.; Derviz, V. D.

ORG: none

TITLE: The aerial camera AFA TES 7 and its tests

SOURCE: Moscow. Tsentral'nyy nauchno-issledovatel'skiy institut geodezii, aeros"yemki i kartografii. Trudy, no. 165, 1966. Issledovaniya po fotogrammetrii (Research in photogrammetry), 94-101

TOPIC TAGS: aerial camera, camera component, photographic equipment, photographic film, high speed photography / AFA-TES-7 aerial camera

ABSTRACT: The AFA-TES-7 camera described has a focal length of 70 mm and produces a photo of 180 x 180 mm. An equalizing glass in the focal plane enters into the optical system of the objective. The glass surface contains a grid of crosses whose images show up systematic errors in aerial photos resulting from distortion and unevennesses of the aerial photo film. The shutter, of the rotor type (ZBS-M) with coaxial blades, makes it possible to regulate the shutter without disassembling the aerial camera optics, i.e., without impairing its optical properties or elements of internal orientation, which makes for convenient operation. Exposure of 1/450 sec and high optical coefficient of efficiency (0.77) reduce geometrical blur, which is 25 microns on a photo of scale 1:5000 taken at 250 km/hr. The article discusses an objective

Card 1/2 UDC: 528.711.112:771.355.3

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

ACC NR: AT6028598

with frame and equalizing glass; ZBS-M speed shutter; quality of aerial film equalization; control panel; thermal insulation of the camera; sensitometric wedge; resolving power, light distribution, and dispersion; and automatic exposure and describes tests of each. It is concluded that the AFA-TES-7 fulfills modern needs. Orig. art. has: 5 figures.

SUB CODE: 14/ SUBM DATE: none/ ORIG REF: 003

Card 2/2

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

ACC NR: AT6028599 (N) SOURCE CODE: UR/2547/66/000/165/0102/0109

AUTHOR: Il'in, V. B.

ORG: none

TITLE: Analysis and selection of system and basic characteristics of the aerial camera shutter

SOURCE: Moscow. Tsentral'nyy nauchno-issledovatel'skiy institut geodezii, aerosyemki i kartografii. Trudy, no. 165, 1966. Issledovaniya po fotogrammetrii (Research in photogrammetry), 102-109

TOPIC TAGS: aerial camera, camera component, photographic equipment, photographic material, photographic processing

ABSTRACT: The aerial camera shutter is designed to pass light rays from the photographed object to the sensitive material for a given time interval. Its basic characteristics are minimum exposure τ_{min}, coefficient of efficiency η, and aperture diameter d_o. The shutter must moreover have a short operating cycle, not distort the exposure interval, and expose automatically. Its operation must not shift the image. This paper examines these basic features. It is concluded that at present the sensitivity of aerial film makes possible normally exposed photographs with relative aperture 1:6.8 at exposure time of 1/700 to 1/800 sec. The principal aperture of 30mm is

UDC: 528.711.112:771.36

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

ACC NR: AT6028599

adopted; this makes it possible to use objectives with f_o' up to 150mm and relative apertures of 1:5. Thus, at present, the most promising shutter is of the rotor type with these characteristics: τ_{min} = 1/800 sec, η = 0.7, and d_o = 30mm. Orig. art. has: 11 formulas, 6 tables, and 3 figures.

SUB CODE: 14/ SUBM DATE: none/ ORIG REF: 002

Card 2/2

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

ACC NR: AP7002585 (A,N) SOURCE CODE: UR/0413/66/000/023/0081/0081

INVENTORS: Afremov, V. G.; Il'in, V. B.

ORG: none

TITLE: Method for determining distortion of objectives on photographic benches. Class 42, No. 189177 [announced by Central Scientific Research Institute of Geodesy, Aerial Photography and Cartography (Tsentral'nyy nauchno-issledovatel'skiy institut geodezii, aerofotos'yemki i kartografii)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 23, 1966, 81

TOPIC TAGS: photographic lens, lens distortion, photographic film, photographic plate, photographic printing

ABSTRACT: This Author Certificate presents a method for determining distortion of objectives on photographic benches, which involves printing the direction of nondistortion on the photographic plate. To measure the tangential component of the distortion, two marks are printed on the photographic plate from the backing side with the help of two projectors placed in the plane containing the sighting axes of the collimators. A line drawn through these marks and coinciding with the line of intersection (or parallel to it) of the plane of the photographic plate with the plane containing the sighting axes of the collimators is taken as the initial reference line for measuring the tangential displacements.

SUB CODE: 14/ SUBM DATE: 03May65

Card 1/1 UDC: 535.818.8:824.8

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[illegible]

S-01[illegible]/64/00[illegible]/00[illegible]/0098

[illegible] phenomena in the motion of parti-
[illegible] the kinetic equation method

SOURCE: IVUZ, Fizika, [illegible], 1964, 96-98

[illegible] kinetic equation, particle mo-
[illegible]

[illegible] of the [illegible]
[illegible] determine the [illegible]
[illegible] the motion of charge [illegible]
[illegible] equation for the [illegible]
[illegible] expressed in terms of the linear
[illegible] the degrees of freedom. The

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weak-forming case are treated by way of
formulas

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

IL'IN, V.D.; BOYARINOVA, L.A.

Geological structure of the Lake Il'ton region. Trudy VNIGNI no.4: 95-106 '54. (MLRA 10:4)

(Il'ton region--Geology, Stratigraphic)

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

AID P - 1351

Subject : USSR/Mining

Card 1/1 Pub. 78 - 14/30

Author : Eventov, Ya. S., Il'in, V. D. and Belyakova, G. M.

Title : Artesian fresh water in the Stalingrad Region of the Volga River.

Periodical : Neft. khoz., v.32, #12, 49-51, D 1954

Abstract : The geology of the left shore of the Volga river is discussed in respect to the sand-clay formations essential for the accumulation of fresh water. Geological data and water capacities are given for various districts of the Volga river region.

Institution: All-Union Scientific Research, Geological Survey Institute (VNIGRI)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

Arkhangelskiceras gen.nov. from the upper Cretaceous Deposits of West Uzbekistan. PA - 3366

Geological Research and Exploration Institute for Mineral Oil in Moscow) are suggested. When comparing the specimens of the author with the types of Arkhangel'skiy, unessential differences in the shell sculpture are noticeable which do not exceed the variability within the species. The membership of family of the species under investigation presents difficulties as the species is of primitive appearance. There is no doubt that the species remains in the family Acanthoceridae.
(3 illustrations, 7 citations from Slav publications)

ASSOCIATION: Allunion Scientific Geological Research and Exploration Institute for Mineral Oil, Moscow,
PRESENTED BY: S.I.MIRONOV, Member of the Academy
SUBMITTED: 22.10.1956
AVAILABLE: Library of Congress

Card 2/2

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

IL'IN, V.D.; BELYAKOVA, G.M.; SHMIDT, O.I.

Sediments of the Danian stage in the lower Amu Darya River.
Geol.nefti 2 no.10:46-47 O '58. (MIRA 11:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologo-razvedochnyy neftyanoy institut.
(Amu Darya Valley--Geology, Stratigraphic)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

SOV/20-121-4-42/54

AUTHOR: Il'in, V. D.

TITLE: A New Ammonite Genus From the Senonian Series of Southwest Uzbekistan (Novyy rod ammonitov iz senona yugo-zapadnogo Uzbekistana)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol. 121, Nr 4, pp. 727-729 (USSR)

ABSTRACT: In the course of the geological investigations carried out by the author in 1957 in the cross section of the Upper Cretaceous of the brachyanticline structure (village of Kzylcha, rayon Dekhkanabad, [redacted] ammonites were found below the strata containing Alectryonia falcata (Maastricht) and far above the horizon containing Liostrea prima. These ammonites form a new genus (Refs 1, 2, 4, 6). A description of the corresponding cross section follows; it is worked out by Kim Ben Chan and V. Mel'nik. Among the 12 mentioned strata the first stratum corresponds under certain conditions to the Cognac stage, the strata 2-11 to the Senonian stage and stratum 12 to the Danien stage. The new denotation reads as follows: PLACENTICERATIDAE family Huatt 1900, genus Gissarites Il'jin

Card 1/2

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SOV/20-121-4-42/54

A New Ammonite Genus From the Senonian Series of Southwest Uzbekistan

gen. nov. genus (type): Gissarites kysylchense sp. nov. collection Nr 103, sample 103/1 VNIGNI (Tables 1, 2). From the most closely related genus Planticeras (Meek) this genus is distinguished by an acuminated siphonal side on the nuclei and a very small siphonal side on the shells which does not broaden with increasing shell windings. Two well known genera occur in the Maastricht strata of the southwest spurs of the Hissar chain (Gissraskiy khrebet). The second genus is called Gissarites tatagamense sp. nov.
There are 3 figures and 6 references, 0 of which is Soviet.

PRESENTED: March 14, 1958, by S. I. Mironov, Member, Academy of Sciences, USSR

SUBMITTED: March 14, 1958

Card 2/2

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

3(5) PHASE I BOOK EXPLOITATION SOV/2678

Dikenshteyn, G. Kh., L. G. Zhukovskiy, M.I. Zaydel'son, V.D. Il'in, Yu. V. Kayesh, and I.V. Petrov

Gazlinskoye gazoneftyanoye mestorozhdeniye (Gazli Oil and Gas Fields) Moscow, Gostoptekhizdat, 1959. 44 p. 800 copies printed.

Exec. Ed.: A. I. Zaretskaya; Tech. Ed: I. G. Fedotova.

PURPOSE: This booklet is intended for technical personnel of the petroleum and chemical industries.

COVERAGE: This booklet describes the geologic structure (stratigraphy and tectonics) of the Gazli gas and oil fields and includes the results of exploratory test drilling. Characteristics of productive horizons and certain specifications of oil-and gas-bearing possibilities of the Mesozoic deposits, as well as preliminary estimates of gas reserves,are given. The materials presented are based on the most recent data obtained in 1957-1958. No references are given.

Card 1/2

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

BURSHTAR, M.S.; IL'IN, V.D.; NEYMAN, V.B.

Regional distribution of oil and gas pools in the lower Albian of the U.S.S.R. southern regions. Geol.nefti i gaza 3 no.6:19-23 '59. (MIRA 12:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologo-razvedochnyy neftyanoy institut.
(Russia, Southern--Petroleum geology)
(Russia, Southern--Gas, Natural--Geology)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

5(1) SOV/32-25-4-53/71

AUTHORS: Zizin, V. G., Yerastov, Yu. N., Il'in, V. D.

TITLE: Apparatus for the Continuous Determination of Calcium and Magnesium in Water (Pribor dlya nepreryvnogo opredeleniya kal'tsiya i magriya v vode)

PERIODICAL: Zavodskaya Laboratoriya, 1959, Vol 25, Nr 4, pp 492 - 493 (USSR)

ABSTRACT: The titration of aqueous calcium and magnesium salt solutions with trilon B besides chrome dark blue as indicator cannot be done directly by the colorimetric method because of the nature of the color change. To permit such a titration a special apparatus was designed in the case under review, which permits a continuous checking of the alkaline-earth metal contents of various aqueous solutions. The mixture of the solution to be analyzed and the indicator passes consecutively through a series of flasks. Prior to entry into each of the flasks increasing quantities of a trilon B solution are added to the mixture. As soon as the trilon B concentration suffices to bind all Ca^{2+} and Mg^{2+} ions, the color changes from red to blue. Of course,

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

Apparatus for the Continuous Determination of Calcium and Magnesium in Water SOV/32-25-4-53/71

The color will, then, remain blue in all subsequent flasks. A sketch (Fig 1) and description of the flask are given. The flask is actually a series of hermetically sealed, interconnected flasks placed one on top of the other. The setup of the entire apparatus is also given (Fig 2). There are 2 figures.

ASSOCIATION: Bashkirskiy nauchno-issledovatel'skiy institut nefti (Bashkirian Scientific Research Institute of Petroleum)

Card 2/2

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

ZIZIN, V.G.; YERASTOV, Yu. N.; IL'IN, V.D.

Instrument for titration in a flow. Trudy Bash NII NP no.3:204-208 '60. (MIRA 14:4)
(Titrimeters)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

IL'IN, V.D.

A find of ammonites of the genus Coilopoceras in upper Cretaceous deposits of Uzbekistan. Trudy VNIGNI no.16:175-181 '60. (MIRA 13:6)

(Gissar Range--Ammonoidea)

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

DIKENSHTEYN, G.Kh.; ZHUKOVSKIY, L.G.; IL'IN, V.D.; KAYESH, Yu.V.; GRACHEV, G.I.; SOTIRIADI, K.A.

Basic features of the geology of the Bukhara-Khiva oil- and gas-bearing area. Trudy VNIGNI no.30:3-22 '61. (MIRA 14:9)
(Uzbekistan--Petroleum geology) (Uzbekistan--Gas, Natural--Geology)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

DIKENSHTEYN, G.Kh.; ZHUKOVSKIY, L.G.; IL'IN, V.D.; KAYESH, Yu.V.; PETROV, I.V.; SOTIRIADI, K.A.

Geology and the oil and gas potentials of the Gazli field. Trudy VNIGNI no.30:38-63 '61. (MIRA 14:9)
(Gazli region--Petroleum geology) (Gazli region--Gas, Natural--Geology)

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

ALIYEV, I.M.; BELYAKOVA, G.M.; DIKENSHTEYN, G.Kh.; ZHUKOVSKIY, L.G.; IL'IN, V.D.; KAYESH, Yu.V.; LEVINA, Ye.Ye.; SOTIRIADI, K.A.; KHON, A.V.

Some results of the study of the geology of the Neogene and Quaternary movements of closed areas of western Uzbekistan using the method of geological mapping of the Pre-Neogene surface. Trudy VNIGNI no.30:64-72 '61. (MIRA 14:9)
(Uzbekistan--Geology, Structural)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

IL'IN, V.D.; BELYAKOVA, G.M.

Geology of the western margin of the Caspian Lowland. Trudy VNIGNI no.30:320-351 '61. (MIRA 14:9)
(Caspian Lowland--Geology)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

GAR'KOVETS, V.G.; DIKENSHTEYN, G.Kh.; YENIKEYEV, P.N.; ZHUKOVSKIY, L.G.; ZUBOV, I.P.; IL'IN, V.D.; KAYESH, Yu.V.; TAL'-VIRSKIY, B.B.

Problem of prospecting for oil in western Uzbekistan. Geol. nefti i gaza 5 no.7:7-12 Jl '61. (MIRA 14:9)

1. Ministerstvo geologii i okrany nedr SSSR, Glavnoye geologo-razvedochnoye upravleniye Uzbekskoy SSR i Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut.

(Uzbekistan—Petroleum geology)
(Uzbekistan—Gas, Natural—Geology)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

GAR'KOVETS, V.G.; DIKENSHTEYN, G.Kh.; YENIKEYEV, P.N.; ZHUKOVSKIY, L.G.; ZUBOV, I.P.; IL'IN, V.D.; KAYESH, Yu.V.; TAL'-VIRSKIY, B.B.

Trends in geologic prospecting for oil and gas in the Uzbek S.S.R. Trudy VNIGNI no.35:7-26 '61. (MIRA 16:7)
(Uzbekistan--Petroleum geology)
(Uzbekistan--Gas, Natural--Geology)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

IL'IN, V.D.

Stratigraphy and fauna of the Albian stage in western Uzbekistan and adjacent regions of eastern Turkmenia. Trudy VNIGNI no.35; 36-80 '61. (MIRA 16:7)

(Uzbekistan--Paleontology, Stratigraphic)
(Turkmenistan--Paleontology, Stratigraphic)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

ALIYEV, I.M.; ARZHEVSKIY, G.A.; BORISOV, A.A.; GABRIELYANTS, G.A.; DENISEVICH, V.V.; DIKENSHTEYN, G.Kh., doktor geol.-miner. nauk; ZHUKOVSKIY, L.G.; IL'IN, V.D.; KAYESH, Yu.V.; KRAVCHENKO, N.Ye.; REZVOY, D.P.; SEMENOVICH, V.V.; TAL'-VIRSKIY, B.B.; SHEBUYEVA, I.N.; IONEL', A.G., ved.red.; VORONOVA, V.V., tekhn. red.

[Tectonics, and oil and gas potentials of the western regions of Central Asia] Tektonika i neftegazonost' zapadnykh raionov Srednei Azii. Pod red. G.Kh.Dikenshteina. Moskva, Gostoptekhizdat, 1963. 309 p. (MIRA 16:7)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut.
(Soviet Central Asia--Petroleum geology)
(Soviet Central Asia--Gas, Natural--Geology)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

ALIYEV, I.M.; BARKHATNAYA, E.N.; ILIN, V.D.; MIRZOYEV, G.G.; NOVOKSHCHENOV, A.M.; FOKINA, N.I.

Boundary between the Neocomian and Aptian in the western regions of Central Asia. Izv.AN Azerb.SSR. Ser.geol.-geog. nauk i nefti no.4:19-26 '63. (MIRA 17:4)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

IL'IN, V.D.

Use of the kinetic equation method in studying the statistical effects of the motion of particles in cyclic accelerators. Izv. vys. ucheb. zav.; fiz. no.5:96-98 '64.

(MIRA 17:11)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

POYARKOVA, Z.N.; IL'IN, V.D.

Radiolite horizon in the Isfayram-Sokh interfluve (Ferghana). Dokl. AN SSSR 162 no.6:1364-1366 Je '65. (MIRA 18:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologo-razvedochnyy neftyanoy institut. Submitted March 12, 1965.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

AVANESYAN, M.T.; IL'IN, V.D.; SOKOLOV-POCHEGAROV, A.S.; TAKENO, A.V.

Boundary of the Cretaceous and Paleogene sediments in the southern part of the trans-Unguz trough (eastern Turkmenia). Dokl. AN SSSR 164 no.1:155-157 S '65. (MIRA 18:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut. Submitted May 12, 1965.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

L 11418-67 EWT(1) IJP(c)

ACC NR: AP6031266 SOURCE CODE: UR/0057/66/036/009/1636/1638

AUTHOR: Andreyev, A.D.; Il'in, V.D.; Lobanov, Yu.N.

ORG: none

TITLE: High frequency discharge within a ring electrode

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 36, no. 9, 1966, 1636-1638

TOPIC TAGS: discharge plasma, rf plasma, nitrogen, plasma density, plasma radiation, plasma electron temperature

ABSTRACT: The authors have investigated the excitation of nitrogen plasmas within a cylindrical chamber by a high-frequency voltage applied to a cylindrical electrode outside of and coaxial with the chamber. The cylindrical chamber was approximately 78 mm in diameter and 19 mm in altitude. /Abstractor's note: these figures are not given in the paper; they were obtained by scaling a drawing./ The plasmas were excited by applying 2 to 6 kV to 2 MHz from an impact excited oscillator to the external cylindrical electrode. The plasmas were photographed through the end wall of the chamber; the radiation emitted by the plasmas was detected with a photomultiplier and its pulsation was observed with an oscilloscope; and the electron density and temperature of the plasmas were measured with the aid of a probe in the center of the chamber. At high nitrogen pressures (1 torr) the visible discharge within the chamber was confined to a thin layer next to the wall. When the pressure was reduced, the discharge broke away from the wall and extended toward the center of the chamber. As the pressure was

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ACC NR: AP6031266

decreased from 0.06 to 0.02 torr the radius of the region of greatest luminosity decreased from 38 to 24 mm. At low pressures, when the radiation came from regions of the chamber far from the walls, the radiation intensity pulsated at the 2 MHz excitation frequency; at high pressures, when the radiation came only from the immediate vicinity of the wall, it pulsated at twice the excitation frequency. The electron concentration decreased from 4×10^{11} to 2.6×10^{10} cm^{-3} as the gas pressure was reduced from 0.9 to 0.05 torr. The electron temperature remained practically independent of the exciting voltage at about 5 eV. Orig. art. has: 5 figures.

SUB CODE: 20 SUBM DATE: 30Oct64 ORIG. REF: 001

Card 2/2 bab

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

FAVOROV, A.M.; IL'IN, V.F.; IL'YASHENKO, A.F.; NEMCHIN, F.I.; BALASHEV, N.N.; SERGEYEV, V.I., red.; PEVZNER, Ye.I., tekhn. red.

[Summer potato planting] Letnie posadki kartofelia. Moskva, Sel'khozgiz, 1961. 109 p. (MIRA 15:6)

(Potatoes)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

IL'IN, V.F., kand. sel'khoz. nauk; TAIROVA, V.N., red.

[Experience of potato farmers] Opyt kartofelevodov; sbornik statei. Moskva, Kolos, 1965. 181 p.
(MIRA 18:7)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

IL'IN, V.G., kandidat meditsinskikh nauk (Vil'nyus) Girdziyauskas, V.I., chlen korrespondent Akademii nauk Litovskoy SSR., professor, direktor.

Determination of erythrocyte volume in Panchenkov's capillaries. Klin.med. 31 no.3:86-87 Mr '53. (MLRA 6:5)

1. Patofiziologicheskiy otdel Instituta eksperimental'noy meditsiny Akademii nauk Litovskoy SSR. 2. Akademiya nauk Litovskoy SSR (for Girdziyauskas).
(Blood--Corpuscles and Platelets)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

IL'IN, V.G., mayor meditsinskoy sluzhby; KAZANKOV, V.I., starshina

Electric dust atomizer. Voen.-med.zhur. no.9:89-90 S '59. (MIRA 13:1)

(DISINFECTION, equipment & supplies)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

SOV/81-59-10-35284

Translation from: Referativnyy zhurnal. Khimiya, 1959, Nr 10, p 274 (USSR)

AUTHORS: Afanas'yev, P.A., Il'in, V.G.

TITLE: Graphite Heat-Exchange Apparatus for Aggressive Media

PERIODICAL: Sb. Kom-t po korrozii i zashchite metallov Vses. sov. nauchno-tekhn. o-v, 1958, Nr 5, pp 140-163

ABSTRACT: Various designs of heat-exchange apparatus from graphite are described in the article and the characteristic is given of apparatuses made from elements of Field's type, of the "pipe in pipe" type, of a shell-pipe heat-exchanger based on the "falling film" principle, of the block type, etc.

G. Vashin

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

IL'IN V.I.

AUTHOR: Panovko, V. M., Engineer

TITLE: All-Union Conference on the hardfacing of dies for hot and cold press-forming

PERIODICAL: Svarochnoye proizvodstvo, no. 3, 1963, 44 - 45

TEXT: The First All-Union Scientific-Technical Conference on hardfacing of dies was held at Volgograd from November 27 - 29, 1962. The Conference heard the following reports: N. T. Prosvirov (VNIIPTMASh) on "Operational conditions and the type of forging dies"; L. A. Pozdnyakova (ENIKMASh) on "Problems of the durability of dies and press-forming steels"; V. A. Popov, ENIKMASh, on some structural peculiarities of carbide tools for cold extrusion and upsetting; I. I. Frumin, B. V. Danil'chenko (Institute of Electric Welding imeni Ye. O. Paton) on "Electric-slag hardfacing of some dies"; L. Kolomiets (IEB imeni Ye. O. Paton) on "Reconditioning of dies by electric-slag hardfacing"; V. A. Timchenko (IEB imeni Ye. O. Paton) on "A machine with program control for automatic hardfacing of forging dies"; Reports on manual arc-hardfacing of dies were delivered by N. V. Popov (Volgograd Tractor Plant), V. M. Panovko and Ye. G. Bloshkin (Moscow Experimental Welding Plant); O. D. Superko (Chelyabinsk Tractor Plant), N. I. Nikolko (Ural Heavy Machinebuilding Plant), P. M. Sapov ("Rostsel-mash"), N. I. Kuzovkova (GAZ), Ye. P. Zaytsev (ENIKMASh), V. I. Il'yin (ZIL), Gopovin (Khar'kov "Svet shakhtera" Plant), and others. In a decision the Conference mentioned deficiencies connected with the subject, i.e. lack of unified electrodes; of centralized production; of unified technological instructions on the hardfacing of dies; of methods for evaluating the quality of hardfaced metal, and lack of high-quality electrodes for hardfacing cast-iron dies. The Conference decided to take steps in order to eliminate the aforementioned deficiencies.

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

V. G. IL'IN 73.5
.01

Primery Raschetov Po Sel'skokhozyaystvennomu Vodosnabzheniyu I Kanalizatsii (Examples of Computations on Agricultural Water Supply and Drainage, By) VLADIMIR SERGEYEVICH OVODOV (1) V. G. Il'in. Moskva, Sel'khozgiz, 1955.

303 P. Diagrs., Formulae, Graphs, Tables.

At Head of Title: Uchebniki I Uchebnyye Posobiya Dlya Vysshikh Sel'skokhozyzystvennykh Uchebnykh Zavedeniy.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

YELISEYEV, M.Ya., inzhener; YEREMENKOV, N.I., kandidat tekhnicheskikh nauk; IL'IN, V.G., dotsent; KARAPISHCHENKO, N.I., inzhener; OVODOV, V.S., professor, doktor tekhnicheskikh nauk; RASTYAPIN, M.T., inzhener; RYABYSHEV, M.G., redaktor; PEVZNER, V.I., tekhnicheskiy redaktor

[Water supply for livestock on ranges] Vodosnabzhenie otgonnogo zhivotnovodstva. Pod red. V.S.Ovodova. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1957. 243 p. (MLRA 10:8)
(Stock and stockbreeding) (Water supply, Rural)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

IL'IN, V.G. (Novocherkassk)

Analytical method of calculating the joint work of pumps and water pipes. Vod.i san.tekh. no.7:8-9 Jl '57. (MIRA 10:11)
(Pumping machinery)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

IL'IN, V.G., kand.tekhn.nauk dots.

Use of hydraulic modeling installations for the designing of water supply, gas, and heating nets. Izv.vys.ucheb.zav.; energ. 2 no.6:102-113 Je '59. (MIRA 13:2)

1. Novocherkasskiy inzhenerno-meliorativnyy institut. Predstavlena kafedroy vodosnabzheniya.
(Pipelines)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

IL'IN, V.G.

OVODOV, Vladimir Sergeyevich, prof., doktor tekhn.nauk. Prinimal uchastiye IL'IN, V.G., dotsent. KALABUGIN, A.Ya., prof., doktor tekhn.nauk, retsenzent; ORLOVA, V.P., red.; MAKHOVA, N.N., tekhn.red.; PAVLENKO, V.N., tekhn.red.

[Agricultural water supply and irrigation] Sel'skokhozyaistvennoe vodosnabzhenie i obvodnenie. Izd.2., perer. i dop. Moskva, Gos. izd-vo sel'khoz.lit-ry, 1960. 655 p. (MIRA 14:1)
(Water supply, Rural) (Irrigation)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

IL'IN, V.G., kand.tekhn.nauk (Novocherkassk)

Flexible joints for water pipes. Gidr.i mel. 12 no.5: 41-44 My '60. (MIRA 13:7)
(Pipe fittings) (Water pipes)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

IL'IN, V. G. (Candidate of Veterinary Sciences).

"Radiationhygienic evaluation of milk and meat of cows affected by radioactive iodine."

Veterinariya, Vol. 38, No. 3, 1961, p. 69.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

OVODOV, Vladimir Sergeyevich, prof., doktor tekhn. nauk; IL'IN, Vladimir Georgiyevich, dots., kand. tekhn. nauk; CHILOVA, V.P., red.; DEYEVA, V.M., tekhn. red.

[Designing rural water supply systems ; laboratory work and examples of calculations] Proektirovanie sel'skokhoziaistvennogo vodosnabzheniia i obvodneniia; primery raschetov i laboratornye raboty. Izd.3. Moskva, Sel'khozizdat, 1962. 383 p.
(Water supply, Rural) (MIRA 15:5)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

BELOZOROV, N.P.; IL'IN, V.G., kand. tekhn. nauk; SAFONOV, N.A.; ORLOVA, V.P., red.; DEYEVA, V.M., tekhn. red.

[Boring] Burovoe delo. Moskva, Sel'khozizdat, 1963. 269 p. (MIRA 16:7)

1. Kafedra vodosnabzheniya Ukrainskogo instituta inzhenerov vodnogo Khozyaystva (for Belozorov, Il'in, Safonov).
(Boring)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

OSTROUKHOV, I.V.; IL'IN, V.G.

Roof caving at the No.1 K.Libkneht salt mine of the "Artemsol'" Mining Administration. Sbor.nauch.trud.UkrNIISol' no.6:18-25 '62. (MIRA 17:3)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

ILI'IN, Vladimir Georgiyevich; ALEKSANDROVSKIY, A.Ya., red.; YKHEMINA, I.A., tekhn. red.

[Calculating the joint operation of pumps, water supply systems, and reservoirs] Raschet sovmestnoi raboty nasosov, vodoprovodnykh setei i rezervuarov. Kiev, Gosstroiizdat USSR, 1963. 135 p. (MIRA 17:2)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

IL'IN, V.G., kand. veterin. nauk

Hygienic evaluation of the milk and meat of cows affected by radioactive iodine. Veterinariia 38 no.3:69-70 Mr '61. (MIRA 18:1)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

GALICH, P.N.; GOLUBCHENKO, I.T.; GUTYRYA, V.S.; IL'IN, V.G.; NEYMARK, I.Ye.

Zeolite catalysts with cations of the first group of metals. Dokl. AN SSSR 161 no.3:627-628 Mr '65. (MIRA 18:4)

1. Institut khimii vysokomolekulyarnykh soyedineniy AN UkrSSR i Institut fizicheskoy khimii im. Pisarzhevskogo AN UkrSSR.
2. Chlen-korrespondent AN SSSR (for Gutyrya).

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

RASTRENENKO, A.I.; PLACHINDA, A.S.; NEYMARK, I.Ye.; Prinimali uchastiye:
ANTONOVSKAYA, S.N.; IL'IN, V.G.

Adsorption of hydrocarbons on ion-exchange derivatives of A type zeolite. Ukr.khim.zhur. 30 no.11:1143-1145 '64.

(MIRA 18:2)

1. Institut fizicheskoy khimii im. L.V.Pisarzhevskogo AN UkrSSR.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

IL'IN, V.G.

[Heat exchangers made of graphite for aggressive media]
Teplootmennye apparaty iz grafita dlia agressivnykh
sred. Moskva, Mashinostroenie, 1965. 243 p.
(MIRA 18:7)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

IL'IN, V.G.; ANTONOVSKAYA, S.N.; RASTRENENKO, A.I.; NEYMARK, I.Ye.

Some features of the crystallization and properties of high-silica faujasites. Dokl. AN SSSR 166 no.3:604-606 Ja '66. (MIRA 19:1)

1. Institut fizicheskoy khimii im. L.V.Pisarzhevskogo AN UkrSSR. Submitted May 25, 1965.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

GALICH, P.N.; GOLUBCHENKO, I.T.; GUTYRYA, V.S.; [redacted]L'IN, V.G.; NEYMARK, I.Ye.

Catalysis of synthetic zeolites containing cations of group 1 metals. Ukr. khim. zhur. 31 no. 11:1117-1122 '65 (MIRA 19:1)

1. Institut khimii vysokomolekulyarnykh soyedineniy AN UkrSSR.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

ACC NR: AM5027773

Monograph

Il'in, V. G.

Heat exchange apparatus of graphite for aggressive media (Teplooblmennyye apparaty iz grafita dlya agressivnykh sred) Moscow, Izd-vo "Mashinostroyeniye", 65. 0243 p. illus., biblio . 2,800 copies printed.

TOPIC TAGS: industrial heat exchanger, heat exchanger, nonmetal element, carbon, graphite, graphitization

PURPOSE AND COVERAGE: The book describes the properties of artifical carbon and graphite. The construction principles and the use of heat exchangers made from these materials are presented. The manufacturing technology and various structures of heat exchangers, their testing and performance results are examined. The book is intended for engineering and technical workers of chemical and chemical engineering industry. It can also be used by designing and scientific research institutes.

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Ch. I. Graphite materials used in the construction of heat exchangers--5
Ch. II. General construction principles of heat exchangers made from carbon graphite materials--59
Ch. III. Heat exchanger structures made from graphitized materials and their use--94

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UDC:66.045.1:546.26-162

ACC NR: AM5027773

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

IL'IN, Vladimir Ivanovich; KUTAKOVA, L.I., inzh., red.; FREGER, D., red.izd-va; GVIRTS, V.L., tekhn. red.

[Semiautomatic welding of units in printed circuit assembly using a cascade method] Poluavtomat paiki blokov na pechatnom montazhe metodom kaskada. Leningrad, 1962. 13 p. (Leningradski dom nauchno-tekhnicheskoi propagandy. Seriia: Pribory i elementy avtomatiki, no.10) (MIRA 16:12)
(Printed circuits)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

DRUKOVANYY, M.F., kand. tekhn. nauk; KOZHUSHKO, Yu.M., kand. tekhn. nauk; KOMIR, V.M., inzh.; IL'IN, V.I.

Using charges with air spaces in mining. Vzryv. delo no.55/12:292-303 '64. (MIRA 17:10)

1. Otdeleniye gornorudnykh problem AN UkrSSR.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

BYCHKOV, V.P., kand. tekhn. nauk.; IL'IN, V.I., inzh.; KATSEVICH, V.L., inzh.

Methods for measuring current components of a motor with armature voltage control. Elektrotekhnika 35 no.10:62-63 O '64.
(MIRA 17:11)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618510003-7

BYCHKOV, V.P., kand.tekhn.nauk, dotsent; IL'IN, V.I., inzh.; KARNEYEV, V.L., inzh.

Method for limiting current in the start of the main motor of a roughing mill. Elektrichestvo no.11:72-74 N '64.

(MIRA 18:2)

1. Moskovskiy energeticheskiy institut.

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