"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, P.I.; KRASYUK, A.D.; BRINTSEV, A.I.

Using testers in the fields of the Stavropol region. Burenie no.2:31-34 '65. (MIRA 18:5)

1. Ob"yedineniye "Stavropol'neftegaz".

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, Pavel Ivanovich, kand.tekhn.nauk; LIDERS, Georgiy Vladimirovich, kand.tekhn.nauk; ERADZE, David Georgiyevich, inzh.; SERGEYEVA, A.I., inzh., red.; VERINA, G.P., tekhn.red.

[Rail-lifting repair of tracks; practices of track repairmen of the Stalino, North Caucasus, and Southwestern Railroad] Podemochnyi remont puti; opyt putevitsev Stalinskoi, Severo-Kavkazskoi i Iugo-Zapadnoi dorog. Moskva, Gos. transp. zhel-dor. izd-vo, 1958. 99 p. (MIRA 11:12)

(Railroads--Track)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

FRISHMAN, M.A., prof., doktor tekhn.nauk; KOLESNIKOV, P.I., dots., kand. tekhn.nauk

Investigating interaction of car wheels and frame rails during sliding movement through switches. Trudy DIIT no.27:5-30 '58. (MIRA 12:1)

(Car wheels) (Railroads--Rails)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

8(2) SOV/91-59-3-9/22

AUTHOR: Kolesnikov, P.I., Engineer

TITLE: The Control of Cutouts in Voltage Circuits (Kontrol' tselosti predokhraniteley tsepey napryazheniya)

PERIODICAL: Energetik, 1959, Nr 3, pp 19-20 (USSR)

ABSTRACT: The author states that the existing control systems of cutouts using filters with zero sequence currents have one essential disadvantage, namely, they act when the fuses burn out as well as when a ground fault appears in the 6-35 kilovolt networks, with an ungrounded neutral. In order to eliminate this disadvantage, the author recommends application of the control system, designed by himself, for voltage transformers in 6-35 kilovolt networks. The system consists of two filters with 3 capacitors each, and a signaling relay. One of the filters is placed before the cutouts and the other behind them. To increase the sensitivity of the signaling relay - a 2 Ohm resistor is connected

Card 1/2

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The Control of Cutouts in Voltage Circuits

in series with each line. The capacity of the capacitors are 4-6 microfarads; the relay is ET-523/01 type. The system has been in operation on 6 power transmission lines for over one year without any defects. There is 1 circuit.

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, P.I., kand.tekhn.nauk, dotsent

Stresses and deformation of rails caused by track gauging.
Trudy DIIT no.30:201-208 '60. (MIRA 14:12)
(Railroads--Rails)
(Railroads--Maintenance and repair)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, P.I., dotsent, kand. tekhn. nauk (Tashkent); SUDARUSHKIN, A.F., inzh. (Tashkent); SINYAGIN, Yu.A., inzh. (Tashkent)

Stabilization of tracks with reinforced concrete ties and gravel ballast. Put' i put. khoz. 7 no.6:6-8 '63. (MIRA 16:7)

(Railroads—Track) (Ballast(Railroads))

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

ALEKSANDROV, K.K.; KOLESNIKOV, P.I.

Acceleration of the technological progress is the aim. Put' i put. khoz. 8 no.3:15 '64. (MIRA 17:3)

1. Glavnyy inzh.sluzhby puti, Srednеaziatskaya doroga, Tashkent (for Aleksandrov). 2. Zaveduyushchiy kafedroy "Put' i putevoye khozyaystvo" Tashkentskogo instituta inzhenerov zheleznodorozhnogo transporta, Tashkent (for Kolesnikov).

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, P.I., kand. tekhn. nauk (Tashkent); SUDARUSHKIN, A.F., inzh. (Tashkent).

Continuous rail track on sorted gravel. Put' i put. khoz. 8 no.11:15-16 '64 (MIRA 18:2)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, P.I., kand. tekhn. nauk (Tashkent); TARSIN, V.P., inzh. (Tashkent)

Continuous rail tracks in Central Asia. Put' i put. khoz. 8 no.7:2-3 '64. (MIRA 17:10)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

EWT(1)/EWG(k)/BDS/EEC(b)-2/ES(w)-2
AFWL/SSD Pz-4/Pi-4/Pab-4 AT/TJP(C)
AP3003951 S/0057/[illegible]/0822

76
75

[illegible]hnyak, N. A.; Kolesnikov, P. M.

[illegible] of electrodynamic acceleration of plasma bunches in a coaxial [illegible]

[illegible]nal tekhnicheskoy fiziki, v. 33, no. 7, 1963, [illegible]

plasma physics, plasma acceleration, coaxial accelerator, plasma

[illegible] analytical derivation of acceleration equations is presented, [illegible] assumption of a perfectly conducting plasma bunch shunting the [illegible] and a phase velocity much lower than the speed of light. The latter [illegible] imposes the requirement of considering the displacement-current terms. [illegible] a complex system of nonlinear integro-differential equations. [illegible] interpretation of the system indicates that the limiting velocity [illegible] is equal to the voltage wave velocity in [illegible] determined for establishing the point [illegible] currents is no longer necessary. [illegible]

[illegible]

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

EEC(b)-2/EPA(w)-2/EWG(k)/EWT(l)/EWT(m)/EEC(t)/EPA(ap)-2/T/EWA(m)-2
Pz-6/Pab-10 APTC(p)/ASD(p)-3/BSD/AEDC(b)/SSD(b)/ESD(gs)/IJP(c)
AP4049032 AT/JD S/0057/64/034/011/1933/1938

Plesnikov, P.M.

Influence of the electromagnetic properties of the plasma burst on the acceleration process in a coaxial plasma gun

Zhurnal tekhnicheskoy fiziki, v.34, no.11, 1964, 1933-1938

plasma gun, plasma resistance, plasma acceleration, mathematical phy-

The influence on the operation of a coaxial plasma gun of the relation between the current I through the accelerated plasma and the potential V across it is investigated theoretically. The relation between V and I is assumed to have the form $V = RI + BI^3$, where R and B are constants. By selecting suitable values for these constants, the cases of a perfectly conducting plasma or a plasma that follows Ohm's law can be treated. The term BI^3 represents the induced back emf and the nonlinear properties of the plasma. The hysteresis effects that occur when the period of the discharge is long compared with the relaxation times of the relevant plasma processes are not treated. The equations of motion are solved analytically for

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...ting cases. These include the early stages of the motion for both small ...nd the later stages for small R. The equations were solved numerically- ...y means of a computer for intermediate values of the parameters. It is con- ...lost of the acceleration occurs in the early stage of the process ...ng the first half-cycle), and that the value of R exerts a large in- ...that of B a small one on the course of the process. The effect of dis- ...tance has been adequately discussed by [illegible]

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

fluence and that of a small one on the course of the process. The effect of distributed inductance has been adequately discussed by S.W.Kash (Plasma Acceleration, N.Y.Press,79,1960). "In conclusion I express my gratitude to A.Ye.Bazhanov for performing the numerical computations." Orig.art.has: 33 formulas and 5

Khar'kovskiy aviatsionnyy institut (Khar'kov Aviation Institute)

Jan64

ENCL: 00

NR REF SOV: 011

OTHER: 001

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

L 14954-66 EPF(n)-2/EWA(h)/EWT(l)/EWT(m)/ETC(f)/EWG(m) IJP(c) AT
ACC NR: AT6004123 SOURCE CODE: UR/0120/65/000/001/0045/0048

AUTHOR: Kolesnikov, P. M.

ORG: none

TITLE: Cerenkov radiation of a plasma bunch

SOURCE: Samoletostroyeniye i tekhnika vozdushnogo flota, no. 1, 1965, 45-48

TOPIC TAGS: moving plasma, ~~microwave plasma, plasma~~ electromagnetic wave, plasma radiation, Cerenkov radiation, waveguide

ABSTRACT: The field of a plasma bunch moving uniformly along a coaxial line at the limiting velocity V_0 equal to the propagation velocity of the electromagnetic wave is considered. The telegrapher's equations are first written, ignoring the conductivity and representing the current as a delta-function

$$I_0\delta(x - V_0 t),$$

to describe the plasma bunch. It is found that the solution in this case has only attenuated waves and does not contain traveling waves. Next, the telegrapher's equations are written considering conductivity

$$\frac{\partial I}{\partial x} = -C\frac{\partial U}{\partial t} - GU + I_0\delta(x - V_0 t),$$

$$\frac{\partial U}{\partial x} = -L\frac{\partial I}{\partial t} - RI.$$

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ACC NR: AT6004123

The solution, again obtained by using the Fourier integral representation, is indicated for several possible cases. For the particular case of interest, when $4GR(LCV_0^2-1) > V_0^2(RC+GL)^2$ the solution is

$$I = -I_0 \frac{V_0^2(RC+GL)^2 + 4GR(LCV_0^2-1)}{2(LCV_0^2-1)[4GR(LCV_0^2-1)+3V_0^2(RC+GL)^2]} e^{-p\frac{V_0(RC+GL)}{2(LCV_0^2-1)}} \times$$

$$\times \left\{ e^{-ip\frac{\sqrt{4GR(LCV_0^2-1)-V_0^2(RC+GL)^2}}{2(LCV_0^2-1)}} + e^{ip\frac{\sqrt{4GR(LCV_0^2-1)-V_0^2(RC+GL)^2}}{2(LCV_0^2-1)}} \right\},$$

where

$$p = x - V_0 t,$$

is negative. This solution corresponds to the delta-current radiating attenuated electromagnetic wave. The corresponding solution for the voltage can be constructed in an analogous fashion, and the losses to Cerenkov radiation in the waveguide are easily obtained. Orig. art. has: 25 equations.

SUB CODE: 20/ SUBM DATE: none/ ORIG REF: 004/ OTH REF: 001

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

L 20024-65 EPF(n)-2/EPA(w)-2/EWT(1)/EWG(m) Pi-4/Po-4/Pz-6 IJP(c)
ACCESSION NR: AP5014179 AT/WW
UR/0382/65/000/001/0073/0079
533.95:538.4:621.362

Polesnikov, P. M.

46
B

Acceleration of the oscillating plasmoid

Magnitnaya gidrodinamika, no. 1, 1965, 73-79

magnetohydrodynamics, plasmoid acceleration, plasma instability

Behaviour of the oscillating plasmoid in a high current accelerating studied. The motion of the plasmoid is described for the case of a rail with the energy storage capacitor discharging through a combination

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the accelerating period and that in which the plasmoid oscillates. In ase the pinch instability growth leads finally to the spreading out of . The oscillating mode accelerates less efficiently. Orig. art. has:

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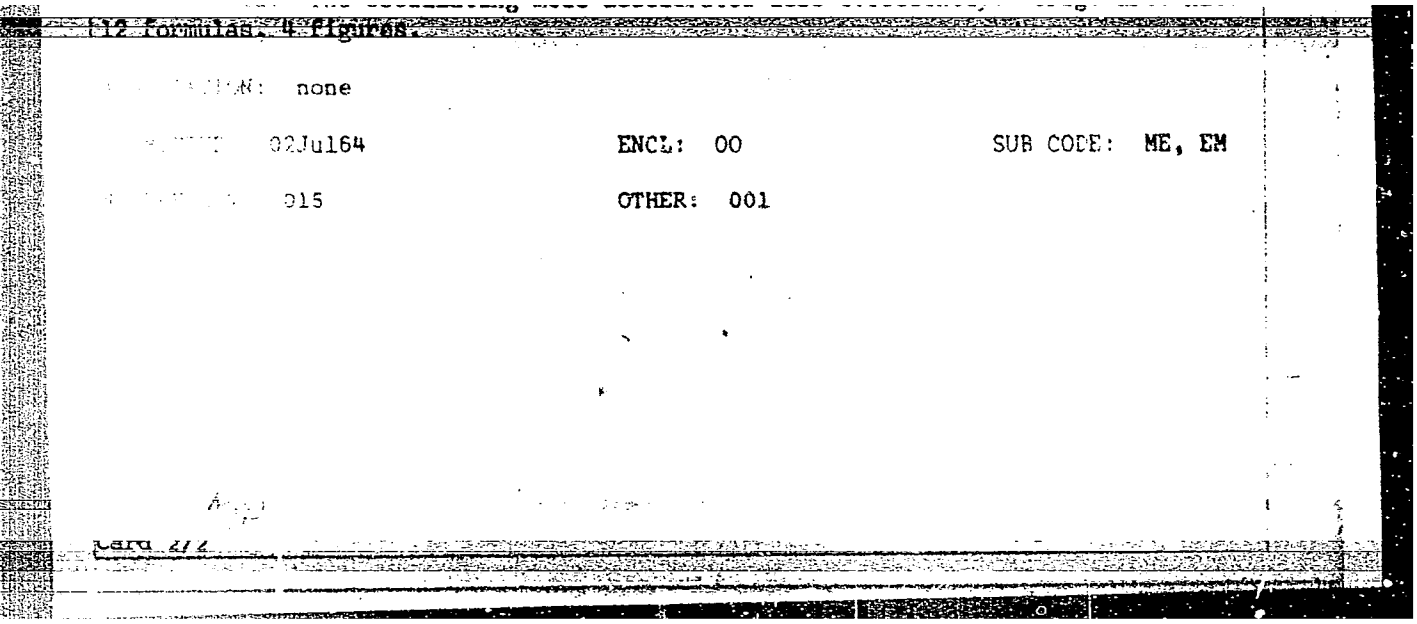
12 formulas, 4 figures.

ACKN: none

PUB: 02Jul64 ENCL: 00 SUB CODE: ME, EM

REF: 015 OTHER: 001

Card 2/2

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

L 24792-66 EWT(1)/EWP(m)/EWA(d)/T-2/EWA(h)/EWA(1) IJP(c) WW

ACC NR: AP6007889 SOURCE CODE: UR/0420/65/000/002/0022/0027

AUTHOR: Kolesnikov, P. M.

ORG: none

TITLE: The Lagrange problem in magnetohydrodynamics

SOURCE: Samoletostroyeniye i tekhnika vozdushnogo flota, no. 2, 1965, 22-27

TOPIC TAGS: magnetohydrodynamics, Lagrange problem, detonation wave, wave propagation

ABSTRACT: The author investigates problems in the theory of projection of bodies by detonation products. The study is made in the MHD approximation. The parameters of the gas behind the detonation wave are determined, assuming $q \gg C^2 \gg U^2$. The motion of a [illegible] under the effect of detonation products is also studied. The author studies an [illegible] containing a piston. On one side of the piston is a detonation mixture, located [illegible] perpendicular to the axis of the tube, and on the other side there is a vacuum. It is assumed that the conductivity of the mixture is sufficiently high. The

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ACC NR: AP6007889

2

mixture begins detonating from the piston. In conclusion, the author expresses his gratitude to V. P. Demutskiy and N. A. Khizhnyak for discussing and assisting in the work. Orig. art. has: 38 formulas.

SUB CODE: 20 / SUBM DATE: none / ORIG REF: 006 / OTH REF: 003

Card 2/2

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

EWT(1)/EWP(m)/ETC/EPF(n)-2/EWG(m)

AP5025880 EWA(c) YJP(c) WW SOURCE CODE: UR/0057/65/035/010/1736/1742

Kolesnikov, P.M.; Khizhnyak, N.A.

ORG: Khar'kov Aviation Institute (Khar'kovskiy aviatsionnyy institut)

TITLE: On the nonlinear oscillations of the plasma behind a front on which charged particles are produced

SOURCE: Zhurnal tekhnicheskoy fiziki, v, 35, no. 10, 1965, 1736-1742

TOPIC TAGS: plasma oscillation, plasma shock wave, mathematic physics, kinetic equation, nonlinear equation

ABSTRACT: The authors discuss the behavior of the completely ionized plasma behind an "ionization front" propagating in an unionized gas and ionizing it. The treatment is based on the inhomogeneous kinetic equations for the electron and ion distribution functions and Poisson's equation for the self-consistent electric potential describing the Coulomb interactions. The collision integrals are not included in the kinetic equations. These equations are solved by Cauchy's method of characteristics and the resulting general solution is specialized for the case of an infinitely thin ionization front and for delta-function and Maxwell distributions of the velocities of the nascent ions and electrons. It is shown that under certain conditions (which are derived) longitudinal traveling waves develop in the plasma with a frequency close to the

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

L 7729-66

ACC NR: AP5025880

Langmuir frequency. For the case of Maxwell distribution of the velocities of the nascent ions and electrons, a first integral of Poisson's equation is derived; this relates the amplitude of the oscillations to the electron and ion temperatures and to [illegible] parameters and plays a role analogous to that of a dispersion equation. The effect of ionization front of finite thickness is discussed briefly. When the amplitude of the oscillations is small the finite thickness of the front reduces the amplitude but leaves the frequency unchanged. For high amplitude oscillations the thickness of the front also influences the frequency. Orig. art. has: 46 formulas.

SUB CODE: ME/ SUBM DATE: 13Jan64/ ORIG REF: 008/ OTH REF: 004

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

L 1326-66 EWT(1)/ETC/EPF(n)-2/EWG(m)/EPA(w)-2 IJP(c) AT

ACCESSION NR: AP5024032 UR/0057/65/035/009/1577/1584

AUTHOR: Kolesnikov, P. M. 44,55

TITLE: Acceleration of a pulsating plasma beam 21,44,55

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 35, no. 9, 1965, 1577-1584

TOPIC TAGS: plasma beam, plasma gun, plasma acceleration, plasma discharge

ABSTRACT: The author has calculated the behavior of a plasma gun in which a cylindrical plasma joining two parallel electrodes is accelerated by the electrodynamic forces arising when a capacitor is discharged through it. The possibility of radial pulsations of the plasma cylinder was taken into account. The calculations were based on the equation of motion of the plasma cylinder, the circuit equations, an expression for the circuit inductance as a function of the position and radius of the plasma cylinder, and the equation for the radial pulsations of the plasma. The last equation was taken from a work of M. A. Leontovich and S. M. Osovets (Atomnaya energiya, 1, 3, 81, 1956) and expresses the equality of the inertial reaction of the radially expanding or contracting plasma cylinder to the

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

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ACCESSION NR: AP5024032

forces of magnetic and gas kinetic pressures. This equation was derived on the assumption that the plasma is a monatomic gas with an adiabatic index of 5/3. The equations are rewritten in terms of dimensionless quantities. The equations were solved on a computer for appropriate initial conditions and for a number of values of several of the five dimensionless parameters that characterize the plasma gun. Some of the solutions are presented graphically. The entire calculation was repeated with an approximate expression proposed by A.K.Musin (Radiotekhnika i elektronika, 7, 3, 547, 1962) for the circuit inductance as a function of the position and radius of the plasma cylinder. The two calculations gave very similar results. The solutions are discussed and approximate ranges of the parameters are found within which pulsations occur. The plasma gun is most efficient under such conditions that the plasma cylinder expands without pulsating, and as much as 80% of the energy stored in the capacitor can appear as kinetic energy of the plasma burst. Orig. art. has: 29 formulas and 9 figures. [15]

ASSOCIATION: none

SUBMITTED: 21Sep64 ENCL: 00 SUB CODE: ME

NO REF SOV: 015 OTHER: 002 ATD PRESS: 4103

Card 2/2

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

Plesnikov, P. M.

UNIT: None

TITLE: Acceleration of a plasmoid in a strong-current accelerator with eroding electrodes

SOURCE: Samoletostroyeniye i tekhnika vozdushnogo flota, no. 3, 1965, 30-35

TOPIC TAGS: plasmoid acceleration, erosion, plasma accelerator, plasma velocity, computer calculation

ABSTRACT: The author considers the acceleration of a plasmoid of variable mass resulting from the erosion of electrodes, with account taken of the resistance of gas to the motion of the plasmoid. The problem is of interest because the electromagnetic acceleration of plasmoids in strong-current accelerators (such as a Marshall gun) is always accompanied by destruction of the electrodes and a change in the plasmoid mass. This in turn affects the dynamics of the acceleration. A complete system of differential equations is set up, describing the acceleration of the plasmoid and the loss of mass from the electrodes, and is solved by means of an electronic computer (Ural) for different values of the parameters of the problem. From a comparison of the results of the solution with the experimental data it is concluded that allowance for the eroding metal mass leads to a decrease in the maximum velocity, as compared with the ideal case. The momentum of the plasmoid remains approximately constant, but the accelerator efficiency decreases. The resistance of

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L 27060-66

ACC NR: AP6006433

the external medium greatly reduces the velocity, especially in the case of large plasmoids. To obtain maximum velocity and to increase the momentum and the efficiency of the accelerator, it is necessary to limit the plasmoid acceleration time [illegible] choosing an optimal accelerator length or by opening the switching circuit at the instant when maximum velocity is attained. Orig. art. has: 4 figures and 11 formulas.

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

L 16011-66 EWT(1)/ETC(f)/EPF(n)-2/EWG(m) IJP(c) AT

ACC NR: AP6004681 SOURCE CODE: UR/0057/66/036/001/0080/0084

AUTHOR: Kolesnikov, P.M.

ORG: none

TITLE: Acceleration of a plasma burst in a coaxial accelerator with eroding electrodes

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 36, no. 1, 1966, 80-84

TOPIC TAGS: plasma gun, plasma acceleration, plasma velocity, electrode, erosion, gas mechanics

ABSTRACT: The acceleration of a plasma burst in a rail- or Marshall-type plasma gun is discussed with the effects of electrode erosion and resistance of the unexcited gas ahead of the plasma taken into account. To formulate the equations of motion it is assumed that the mass of material eroded from the electrodes is proportional to the time integral of the square of the current and that of the resistance of the medium is proportional to the square of the velocity of the plasma burst. It is assumed that the eroded material becomes part of the plasma burst and is accelerated with it. The equations of motion were solved with the aid of a computer for a number of values of the relevant parameters, and the solutions are presented graphically and discussed. It is concluded that electrode erosion decreases the maximum velocity of the plasma burst but has relatively little effect on its momentum, and that the resistance of the medium decreases the maximum velocity, particularly of high velocity

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

L 16041-66

ACC NR: AP6004881

bursts. In the presence of a resistive medium the plasma burst reaches a certain maximum velocity that it does not exceed. To achieve maximum velocity of the plasma burst and maximum efficiency of the accelerator, the design must be such as to minimize the acceleration time; this can be achieved by optimizing the length of the gun and properly locating the initiating discharge. Orig. art. has: 11 formulas and 4 figures.

[15]

SUB CODE: 20/ SUBM DATE: 23Sep64/ ORIG. REF: 009/ OTH REF: 002/

ATD PRESS: 4203

4203

Card 2/2

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

ACC NR: AP7001313 SOURCE CODE: UR/0057/66/036/012/2199/2203

AUTHOR: Kolesnikov, P.M.

ORG: Khar'kov Aviation Institute (Khar'kovskiy aviatsionnyy institut)

TITLE: On analytic solutions of a class of equations of nonlinear electrodynamics

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 36, no. 12, 1966, 2199-2203

TOPIC TAGS: mathematic method, Maxwell equation, nonlinear equation, Cauchy problem, electrodynamics

ABSTRACT: The author presents a method for obtaining analytic solutions of the one-dimensional Maxwell equations $\partial H/\partial z = -k\partial E/\partial t$, $\partial E/\partial z = -\mu\partial H/\partial t$ when the dielectric constant k is a function of the electric field strength E and the magnetic permeability μ is a function of the magnetic field strength H. The two characteristic variables are introduced as new independent variables. This leads to a second order partial differential equation for either z or t in terms of the new independent variables. These equations are written for the two special cases when either μ or k is constant. It is shown that when μ is constant (the case when k is constant can be treated similarly) the second order equation in the new independent variables reduces to the Euler-Poisson-Darboux equation with parameter m provided $k = (AE + C)^n$, where A and C are constants and $n = 4m/(1 - 2m)$. When m is an integer, the solution of the second order equation can be expressed in terms of elementary functions; otherwise,

Card 1/2 UDC: 538.30

ACC NR: APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

the solution can be expressed in terms of hypergeometric functions. As examples, the general solutions of Cauchy's and Goursat's problems are obtained for the special case $m = 1$. This case has previously been treated by S.A.Khristianovich Prikladnaya matematika i mekhanika, 11, 2, 215, 1947) in connection with hydrodynamics. The author thanks G.A.Dombrovskiy and N.A.Khizhnyak for valuable advice. Orig. art. has: 37 formulas.

SUB CODE: 20 SUBM DATE: 04Nov 65 ORIG. REF: 004

Card 2/2

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EWT(d)/EWP(e)/EWT(m)/EWA(d)/EWP(...)/EWP(...)/EWT(k)/EWP(h)/EWP(z)/

ION NR: AR5005686 S/0276/64/000/009/B030/B030

EWP(...)/EWP(...) Pf-4 MJW/JD

24
B

SOURCE: Ref. zh. Tekhnologiya mashinostroyeniya. Svodnyy tom, Abs. 9B172

AUTHOR: Kolesnikov, P. P.

TITLE: The manufacture and use of tools made from "plasticized" blanks of hard

SOURCE: Sb. Effektivn. metody ispol'z. rezh. instrumenta. Minsk, 1963,

TOPICS: machine tool, hard alloy, sintered fillet, cutting tool technology, ... / alloy VK8M

ABSTRACTION: The VNII tverdykh splavov (All-Union Research Institute for Hard ... has developed a new method for manufacturing complex cutting tools (i.e. ...ters, reamers, form tools, counterbores), as well as parts for dies, jigs ... from hard alloys. The procedure is based on

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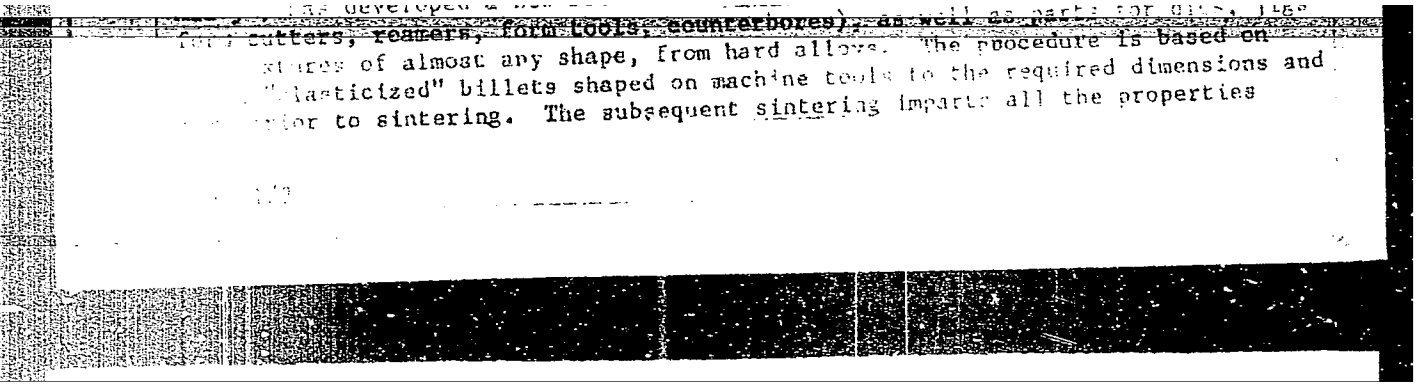

[illegible] developed a new [illegible], as well as parts for oils, like [illegible] cutters, reamers, form tools, counterbores), as well as parts for oils, like [illegible] stamps of almost any shape, from hard alloys. The procedure is based on [illegible] "plasticized" billets shaped on machine tools to the required dimensions and [illegible] prior to sintering. The subsequent sintering imparts all the properties

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ACCESSION NR: AR5005686

...istic of hard alloys. The operational procedure employed in manufacture... articles as dies from hard alloys is described. It is demonstrated that ... of hard alloys in tools insures more accurate final dimensions in parts ... with such tools, provides a sharp improvement in tool life (i.e. 1000 ... higher in involute gear cutters made from "plasticized" hard alloy VK8M) ...roves the productivity of labor. Three illustrations. L. Tikhonova.

CODE: IE, MM ENCL: 00

2/2

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, P.T., inzh.

Investigating the performance of double-action ensilage rammers. Trakt. i sel'khozmash. no.3:29-32 Mr '59. (MIRA 12:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyaystvennogo mashinostroyeniya.
(Ensilage)

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, P.T., inzh.; ZYKOV, G.D., agronom

Packing and preservation of silage covered with a polyethylene film. Zhivotnovodstvo 21 no.5:37-40 My '59. (MIRA 12:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyaystvennogo mashinostroyeniya.
(Ensilage) (Polyethylene)

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, P. T., CAND TECH SCI, "Study of the process of packing an ensilaged mass and computation of the parameters of the packers." Moscow, 1960. (JOINT COUNCIL OF ALL-UNION SCI RES INST OF MECHANIZATION OF AGR, "VIM" [ALL-UNION INSTITUTE OF MECHANIZATION] AND ALL-UNION SCI RES INST OF ELECTRIFICATION OF AGR "VIESKH"). (KL, 2-61, 209).

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, P.T., kand. tekhn. nauk

Technological characteristics of silage used in the calculations for packers. Trudy VISKHOMa no.41:45-78 '63.
(MIRA 17:9)

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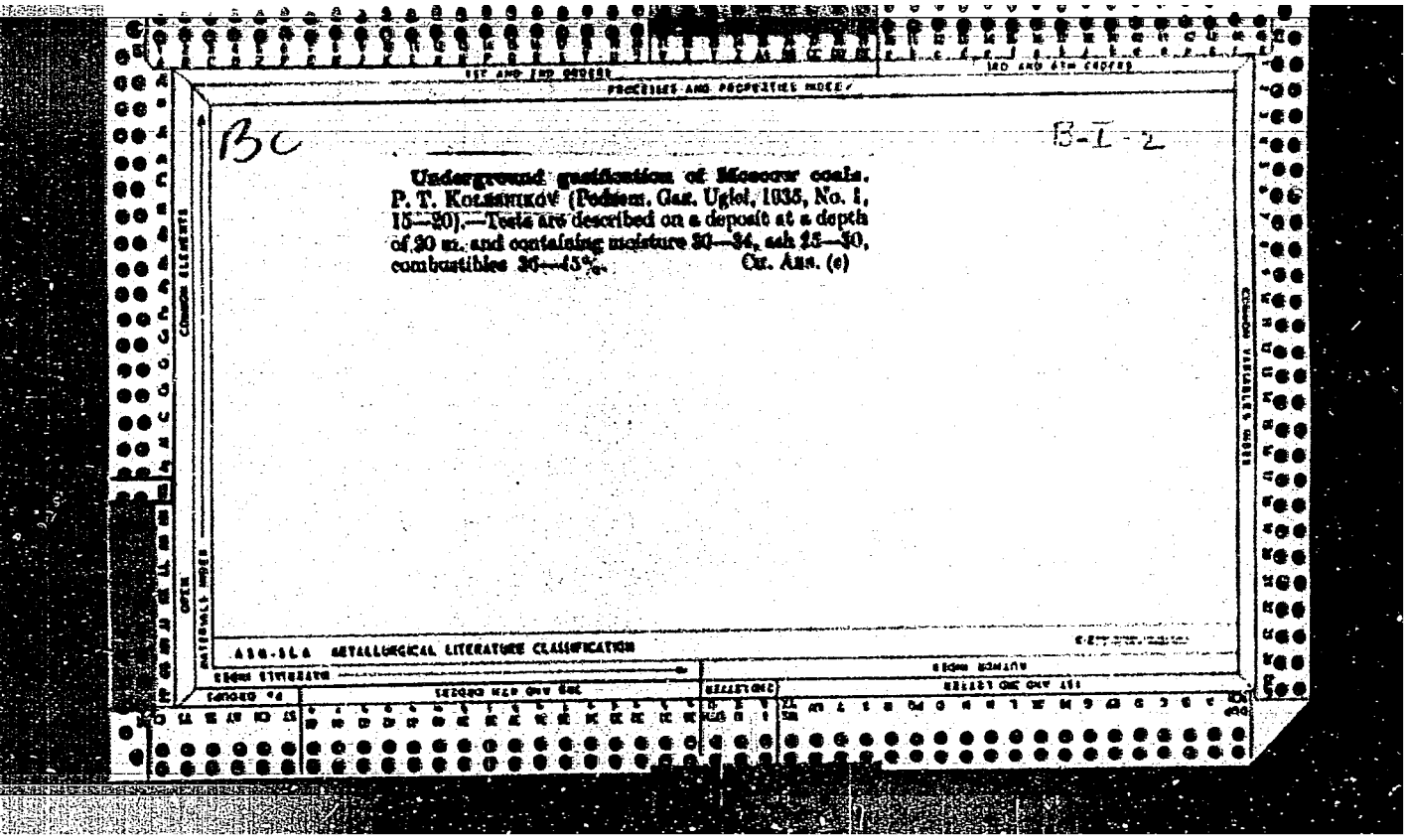

Bc

B-I-2

Underground gasification of Moscow coals. P. T. Kolesnikov (Podzem. Gaz. Ugol., 1935, No. 1, 15—20).—Tests are described on a deposit at a depth of 30 m. and containing moisture 30—34, ash 25—30, combustibles 36—45%. Cr. Ans. (e)

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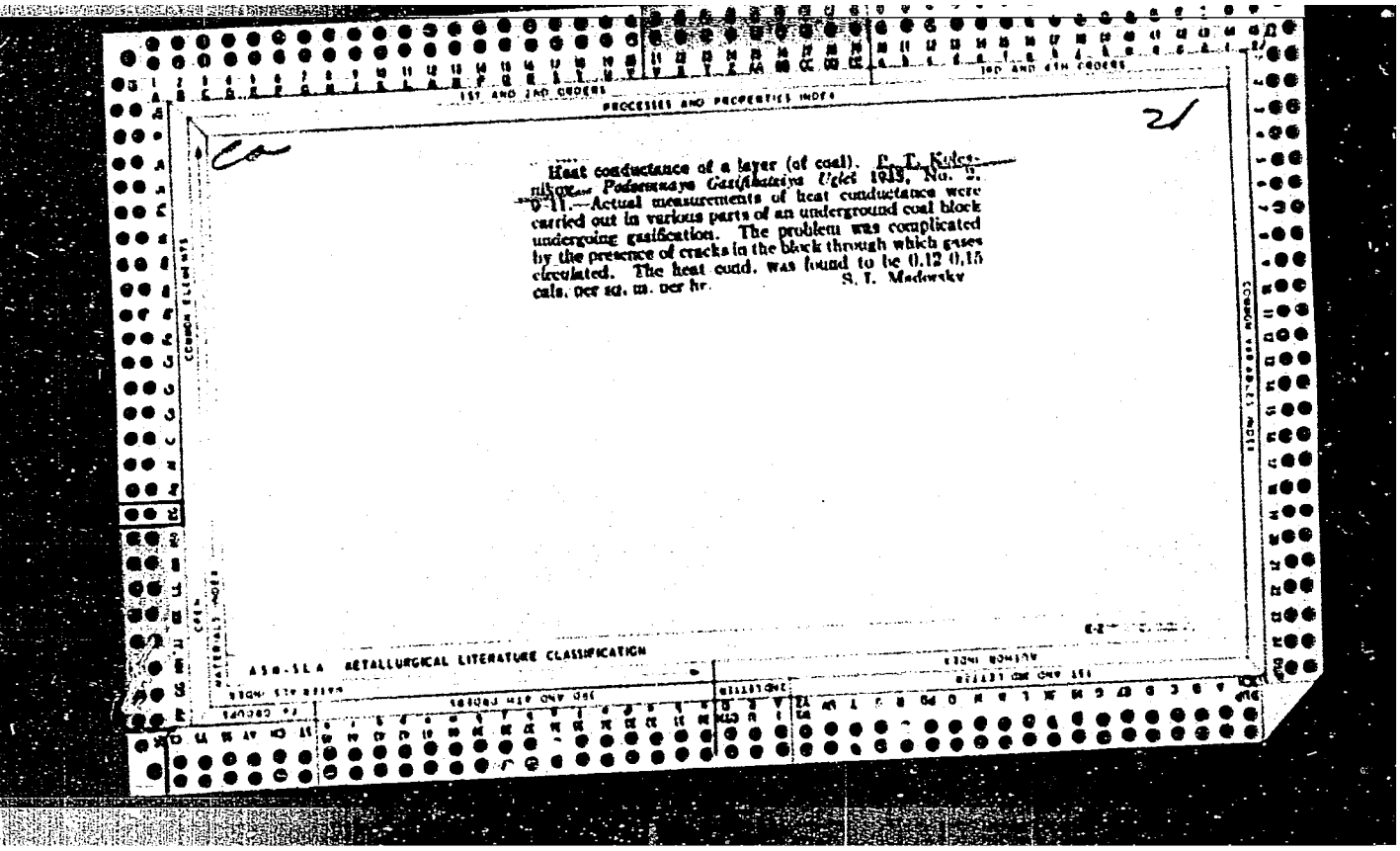
1ST AND 2ND ORDERS



PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

Ca

21

Heat conductance of a layer (of coal). P. T. Kolesnikov. *Podzemnaya Gazifikatsiya Uglei* 1935, No. 2, 9-11.—Actual measurements of heat conductance were carried out in various parts of an underground coal block undergoing gasification. The problem was complicated by the presence of cracks in the block through which gases circulated. The heat cond. was found to be 0.12-0.15 cals. per sq. m. per hr. S. I. Madorsky

COMMON ELEMENTS

COMMON VARIABLES INDEX

MATERIALS INDEX

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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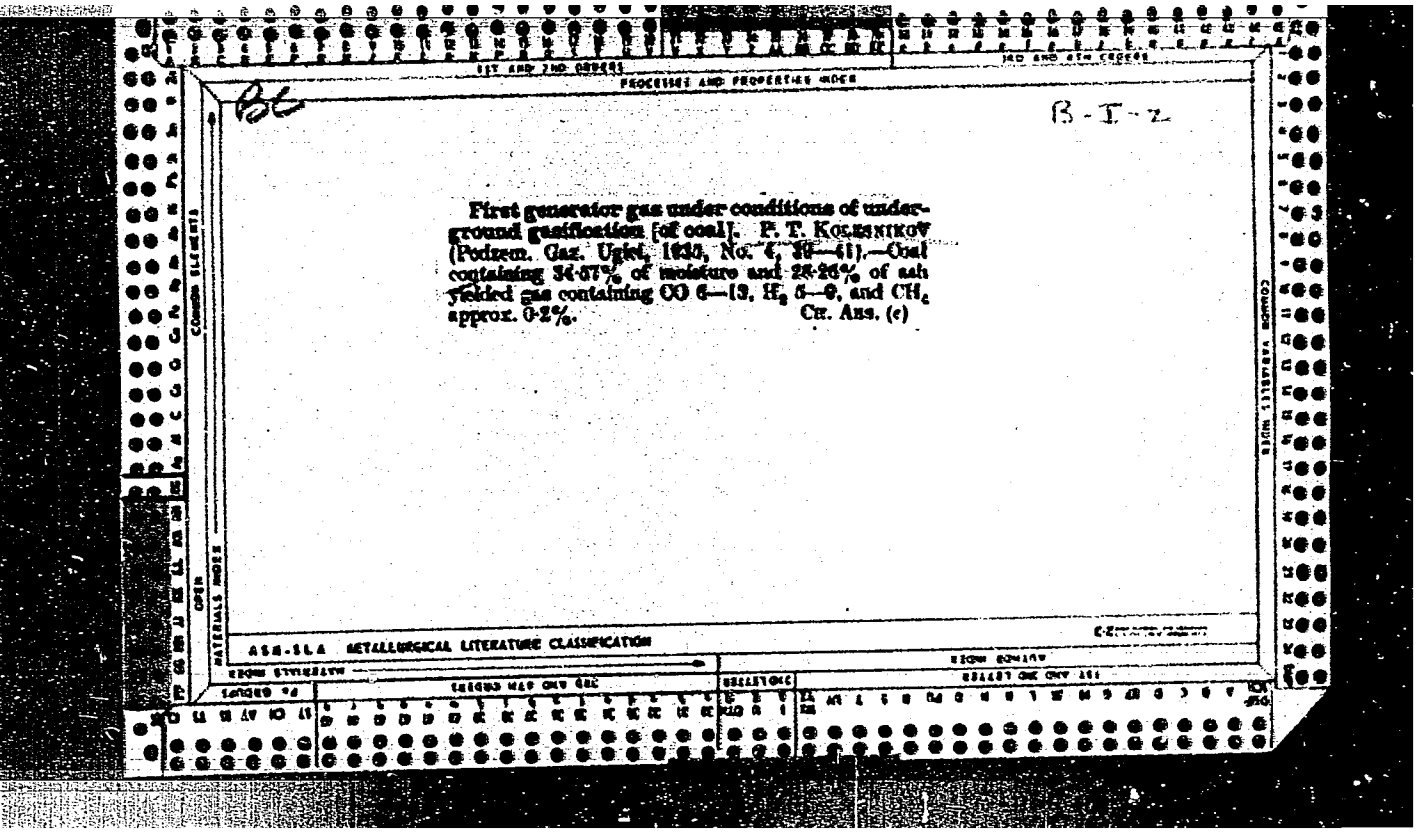

B-I-2

First generator gas under conditions of underground gasification [of coal]. P. T. Kolesnikov (Podzem. Gaz. Ugol., 1935, No. 4, 39—41).—Coal containing 34·67% of moisture and 28·26% of ash yielded gas containing CO 6—19, H_2 5—6, and CH_4 approx. 0·2%. Ch. Abs. (e)

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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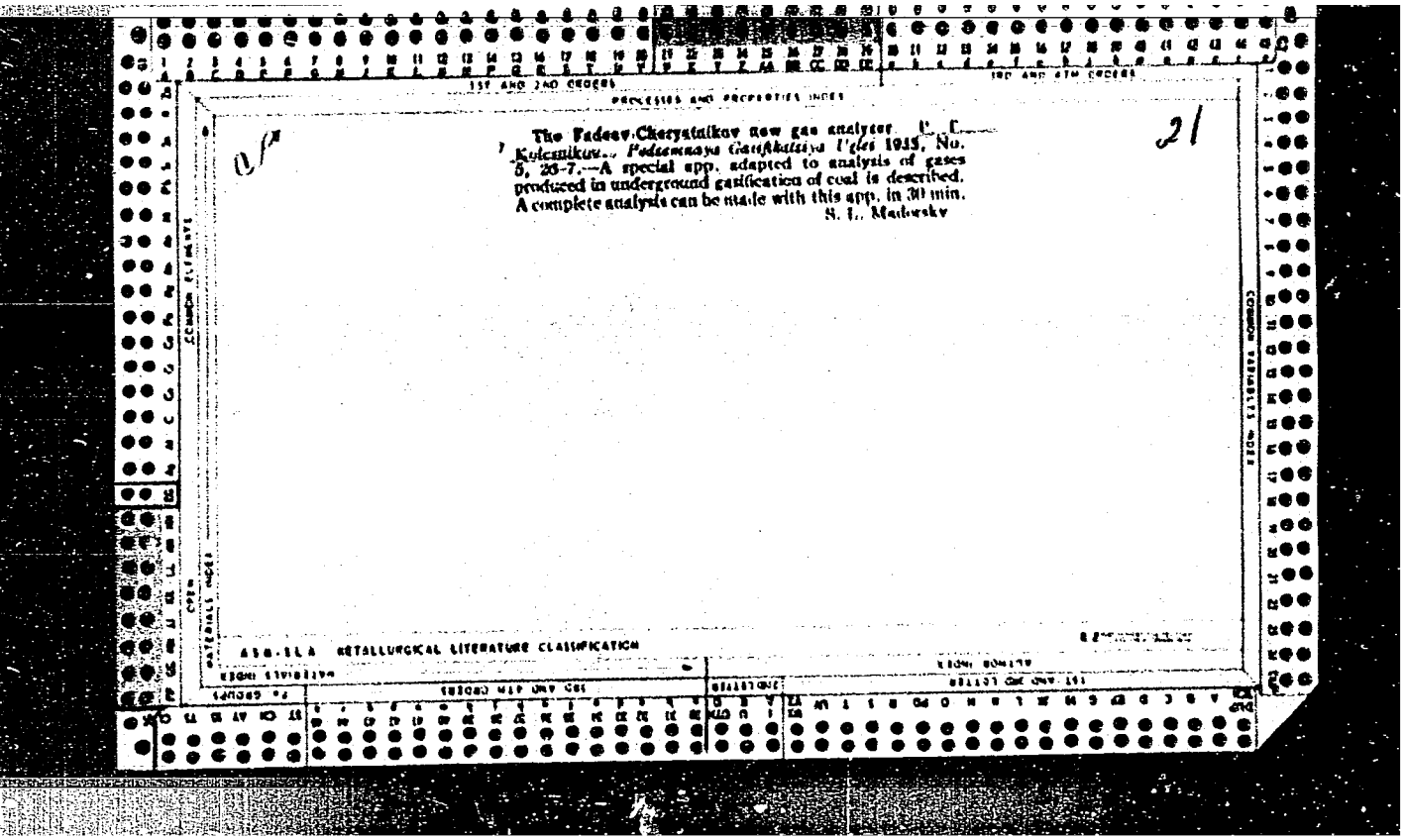
1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

21



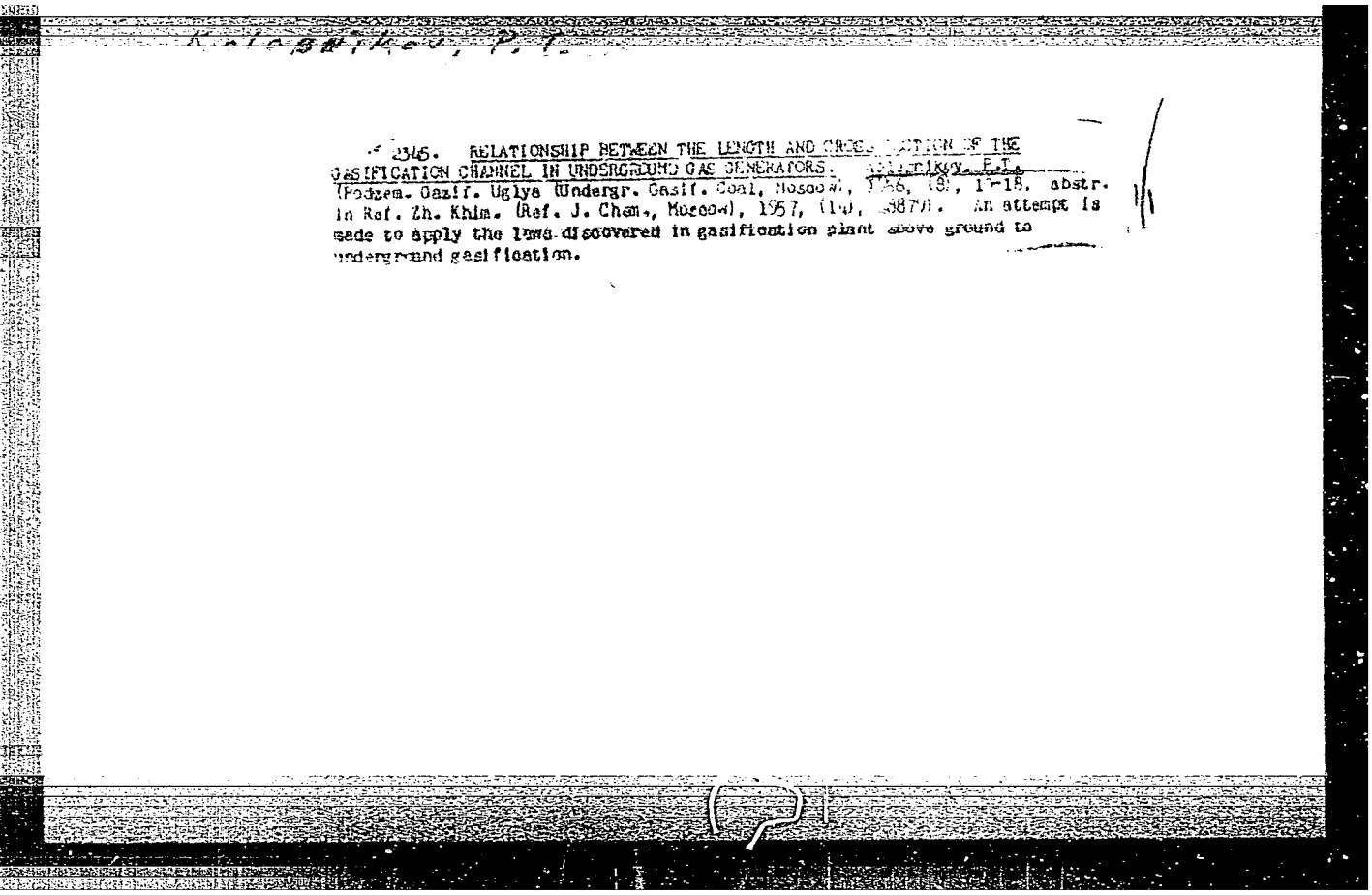
The Fadeev-Cheryatnikov new gas analyzer. P. E. Kolesnikov. *Podzemnaya Gazifikatsiya Uglei* 1935, No. 5, 26-7.—A special app. adapted to analysis of gases produced in underground gasification of coal is described. A complete analysis can be made with this app. in 30 min.

S. L. Madorsky

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5



2345. RELATIONSHIP BETWEEN THE LENGTH AND CROSS-SECTION OF THE GASIFICATION CHANNEL IN UNDERGROUND GAS GENERATORS. [illegible]
(Podzem. Gazif. Uglya (Undergr. Gasif. Coal, Moscow), 1956, (3), 1-18, abstr. in Ref. Zh. Khim. (Ref. J. Chem., Moscow), 1957, (14), 43870). An attempt is made to apply the laws discovered in gasification plant above ground to underground gasification.

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, P.T.

Regenerative method of conducting the process of underground coal gasification. Podzem.gaz.ugl. no.1:39-41 '58. (MIRA 11:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut podzemnoy gazifikatsii ugley.
(Coal gasification, Underground) (Waste heat)

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, R.P.

Using the method of reverse extrusion for manufacturing piston billets.
Avt.prom. 29 no.12:40-41 D '63. (MIRA 17:4)

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

ANGERVAKS, Al'fred Ivanovich; KOLESNIKOV, Rudol'f Pavlovich; KHESIN, S.M., red.

[Precision flashless die forging of bevel gear] Bezobloinaia shtampovka konicheskikh zubchatykh koles s profilem zuba. Leningrad, 1964. 21 p. (MIRA 17:7)

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

SOURCE

AU: Solesnikov, R. P.

CRJ: none

TITLE: Flashless die forging of spur gears

SOURCE: Kuznechno-shtampovochnoye proizvodstvo, no. 11, 1965, 9-12

TOPIC TAGS: hot die forging, die, electroerosion, metal heat treatment, transmission metal working machinery

ABSTRACT: The author describes a newly developed technique for the flashless die forging of spur gears, based on the prior heating of blanks in an argon atmosphere to minimize the surface-layer defects and hence also the subsequent machining [illegible] and cutting of die inserts by means of electroerosion machining. The [illegible] for flashless die forging is as follows: 1) [illegible]-turning of blanks to [illegible] mm (L = 91.5 mm); 2) heating of [illegible] °C in argon atmosphere; [illegible] forging at 1160-850°C; 4) heating of [illegible] °C in argon; 5) final [illegible] at 1150-850°C and, if necessary, calibration at 850-700°C; 6) heat treatment [illegible]-forged gears (oil quenching from 870°C and tempering at 500°C); 7) machining in the conventional sequence on gear-shaping and gear-grinding machines; 8) heat treatment and case-hardening of gear teeth; 9) final machining. The electroerosion shaping of the die inserts by means of electric spark machines assures a high dimen-

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sional precision and purity of the toothed surface of the insert and moreover it represents a rapid and convenient method of producing and repairing die inserts. The spur gears manufactured with the aid of such die inserts on a 1500-ton hot-stamping crank press have virtually defect-free surfaces and precise dimensions so that the tolerances for their teeth can be reduced 1.5-2 times compared with the normal tolerances. Furthermore, metal consumption in flashless die forging is 25-35% lower than [illegible]accompanied forging and the labor requirement [illegible] is 10-15% lower. The method of flashless die forging as described here can be recommended for introduction in small shops. Orig. art. has: 7 figures, 1 table.

SUB CODE: 13/ SUBM DATE: none/ ORIG REF: 000/ OTH REF: 000

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

AVRAMENKO, L.I.; KOLESNIKOV, R.V.

Detection of HO_2 radicals by means of electron parrmagnetic resonance. Dokl. AN SSSR 140 no.5:1100-1101 O '61.
(MIRA 15:2)

1. Institut khimicheskoy fiziki AN SSSR. Predstavleno akademikom V.N.Kondrat'yevym.
(Radicals(Chemistry)—Spectra)

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, S.; ADAMOVSKIY, S.

Odessa health resort grows and develops. Okhr. truda i sots. strakh. 5 no.5:21-22 My '62. (MIRA 15:5)

1. Nachal'nik Odesskogo territorial'nogo kurortnogo upravleniya (for Kolesnikov). 2. Doverennyy vrach Odesskogo oblastnogo soveta professional'nykh soyuzov (for Adamovskiy).
(Odessa Province—Health resorts, watering places, etc.)

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, S.A.

BAKULEV, A.N., professor; KOLESNIKOV, S.A., doktor meditsinskikh nauk

Treatment of acute lung abscesses [with summary in English].
Khirurgiia 33 no.5:17-25 My '57. (MIRA 10:8)

1. Iz kliniki fakul'tetskoy khirurgii imeni S.I.Spasokukotskogo II Moskovskogo gosudarstvennogo meditsinskogo instituta imeni I.V.Stalina i Instituta grudnoy khirurgii AMN SSSR (dir. - deystvitel'nyy chlen AMN SSSR prof. A.N.Bakulev)
(LUNGS, abscess
acute, surg. (Rus))

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, S.A., doktor meditsinskikh nauk (Moskva)

Pathogenesis and classification of suppuration of the lungs. Klin. med. 35 no.4:9-17 Ap '57. (MIRA 10:7)

1. Iz instituta grudnoy khirurgii AMN SSSR (dir. - deystvitel'nyy chlen AMN SSSR prof. A.N.Bakulev)

(LUNGS, DISEASES
suppuration, pathogen. & classif.)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

BAKULEV, A.N., prof., KOLESNIKOV, S.A., doktor med.nauk., GALUSHKO, Yu.A., kand.med.nauk (Moskva)

Surgical treatment of mitral insufficiency. Klin.med.36 no.8:25-32 Ag '58 (MIRA 11:9)

1. Iz Instituta grudnoy khirurgii AMN SSSR (dir. - prof. A.N. Bakulev).

(MITRAL VALVE, dis.
insuff., surg. (Rus))

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

BAKULEV, A.N., prof., red.; BUSALOV, A.A., prof., red.; ZHMUR, V.A., prof., red.; IVANITSKAYA, M.A., dots., red.; KOLESNIKOV, S.A., doktor med. nauk, red.; SERGEYEV, V.M., red.; ZAKHAROVA, A.I., tekhn. red.

[Transactions of the First Jubilee Scientific Session of the Institute for Chest Surgery of the Academy of Medical Sciences of the U.S.S.R.] Trudy 1-i iubileinoi nauchnoi sessii, 2-4 dekabria 1957 g. Moskva, Pod red. A.A.Busalova. Moskva, Medgiz, 1959. 263 p. (MIRA 15:5)

1. Akademiya meditsinskikh nauk SSSR, Moscow. Institut grudnoy khirurgii. 2. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR, Institut grudnoy khirurgii Akademii meditsinskikh nauk SSSR (for Bakulev). 3. Direktor fakul'tetskoy khirurgicheskoy kliniki Vtorogo Moskovskogo gosudarstvennogo meditsinskogo instituta imeni N.I.Pirogova (for Busalov). 4. Institut grudnoy khirurgii Akademii meditsinskikh nauk SSSR (for Zhmur, Ivanitskaya, Kolesnikov).

(CHEST--SURGERY)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

GEHIN, N.M. (Moskva, ul. Arbat, 54/2, kv.158); KOLESNIKOV, S.A.; SOBOLEVA, A.D.; CHEKAREVA, G.A.

Mechanism of the formation of secondary mitral stenosis following commissurotomy. Grud.khir. 1 no.1:41-47 Ja-F '59. (MIRA 13:6)

1. Iz Instituta grudnoy khirurgii (dir. - prof. A.A. Busalov) Akademii meditsinskikh nauk SSSR.
(MITRAL VALVE--DISEASES)

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, S.A. (Moskva, Prosp. Mira, d.103.kv.155); TSUKERMAN, G.I.

One-step operation for combined aortic and mitral stenosis. Grud.khir. 1. no.2:11-17 Mr-Ap '59. (MIRA 16:7)

1. Iz Instituta grudnoy khirurgii (dir.-prof. A.A.Busalov) AMN SSSR.

(AORTA-SURGERY) (MITRAL VALVE-SURGERY)

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, S.A. (Moskva, Prospekt Mira, d.103,kv.155); GENIN, N.M.

Right-side approach in mitral commissurotomy. Grud. khir. 1 no.3:3-8 My-Je '59. (MIRA 15:3)

1. Iz Instituta grudnoy khirurgii (dir. - prof. A.A. Busalov, nauchnyy rukovoditel' - akademik A.N. Bakulev) AMN SSSR.
(MITRAL VALVE--SURGERY)

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, S.A., doktor med.nauk; STEPANYAN, Ye.P., doktor biol.nauk

Value of determining the hyaluronidase-antihyaluronidase in blood serum of patients before and after mitral commissurotomy. Khirurgiia 35 no.4:92-96 Ap '59. (MIRA 12:8)

1. Iz Instituta grudnoy khirurgii AMN SSSR (dir. - deystvitel'nyy chlen AMN SSSR prof. A.N.Bakulev).

(MITRAL STENOSIS, blood in
hyaluronidase & antihyaluronidase, value of pre- & postcommissurotomy determ. (Rus))
(HYALURONIDASE, in blood
in mitral stenosis, value of pre- & postcommissurotomy determ. with antihyaluronidase (Rus))

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

BOGUSH, L.K., prof., red.; KOLESNIKOV, S.A., prof., red.; SERGEYEV, V.M., kand. med. nauk, red.; SMIRNOV, Z., red.; LAVRENT'YEVA, G., tekh.red.

[Technic of mitral commissurotomy; transactions of the First Symposium on the Technic of Mitral Commissurotomy, Moscow, 1960] Tekhnika mitral'noi komissurotomii; trudy. Moskva, In-t grudnoi khirurgii, 1960. 95 p. (MIRA 15:1)

1. Simpozium po tekhnike mitral'noy komissurotomii. 1st, Moscow, 1960. 2. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Bogush).

(MITRAL VALVE--SURGERY)

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, S.A. (Moskva, Prospekt Mira, d.103,kv.155)

Technique of mitral commissurotomy. Grud. khir. 2 no.1:3-15 Ja-F '60. (MIRA 15:3)

1. Iz Instituta grudnoy khirurgii AMN SSSR (dir. - prof. S.A. Kolesnikov, nauchnyy rukovoditel' - akademik A.N. Bakulev).

(MITRAL VALVE—SURGERY)

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

STEPANYAN, Ye.P.; KOLESNIKOV, S.A.

Interrelation of heparin and tissue antihyaluronidase in the blood serum of patients with mitral stenosis of rheumatic etiology. Grud. khir. 2 no.1:37-43 Ja-F '60. (MIRA 15:3)

1. Iz Instituta grudnoy khirurgii AMN SSSR (dir. - prof. A.A. Busalov, nauchnyy rukovoditel' - akademik A.N. Bakulev). Adres avtora: Moskva, Leninskiy prosp.,d.8, Institut grudnoy khirurgii AMN SSR.

(ANTIHYALURONIDASE)
(HEPARIN)
(MITRAL VALVE--DISEASES)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

BAKULEV, A.N.; KOLESNIKOV, S.A.; BUKHARIN,V.A.; ZUBAREV,R.P.

First report on the clinical use of a large vasosutural apparatus for carrying out a cava-pulmonary anastomosis in tetralogy of Fallot. Grud.khir. 2 no.2: 3-6 Mr-Ap'60. (MIRA 16:7)

1. Iz Instituta grudnoy khirurgii AMN SSSR (dir.prof. A.A.Busalov, nauchnyy rukovoditel' - akademik A.N.Bakulev). Adres avtorov: Moskva, Leninskiy prosp., d.8, Institut grudnoy khirurgii AMN SSSR.

(PULMONARY ARTERY--SURGERY) (VENA CAVA--SURGERY)
(SURGICAL INSTRUMENTS AND APPARATUS) (TETRALOGY OF FALLOT)

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, S.A.; KARPMAN, V.L.; PIROGOV, A.I.

Dynamocardiographic study of the functional state of the heart in lung diseases. Grud. khir. 2 no.4:51-56 Jl-Ag '60. (MIRA 15:6)

1. Iz laboratorii fiziologii krovoobrashcheniya (zav. - akademik Ye.B. Babskiy) i vtorogo legochnogo otdeleniya (zav. - doktor med.nauk S.A. Kolesnikov) Instituta grudnoy khirurgii AMN SSSR (dir. - akademik A.N. Bakulev). Adres avtorov: Moskva, Leninskiy prospekt, d.8, Institut grudnoy khirurgii AMN SSSR.
(LUNGS--DISEASES)
(HEART BEAT)

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ZHAROV, I.S., zasl. deytatel' nauki, prof., otv. red.; KOLESNIKOV, S.A., prof., red.; NAPALKOV, P.N., zasl. deyatel' nauki, prof., red.; ROVNOV, A.S., prof., red.; DAMIR, Ye.A., kand. med.nauk, red.; DARBINYAN, T.M., kand. med.nauk, red.; SERGEYEV, V.M., kand. med. nauk, red.; UVAROV, B.S., kand. med. nauk, red.; LUKUMSKIY, G.I., kand. med.nauk, red.; BUKOVSKAYA, N.A., tekhn. red.

[Transactions of the First Symposium on Anesthesiology] Trudy Simpoziuma po anesteziologii. 1st, Moscow, 1960. (MIRA 16:9)

1. Simpozium po anesteziologii. 1st, Moscow, 1960.
(ANESTHESIOLOGY--CONGRESSES)

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KOLESNIKOV, S.A.; BEREZOV, Yu.Ye.; SERGEYEV, V.M.; KOVANEV, V.A.

"Essays on chest surgery" by N.M.Amosov. Reviewed by S.A.Kolesnikov and others. Grud. khir. 2 no.5:122-127 S-O '60. (MIRA 16:5)
(CHEST--SURGERY) (AMOSOV, N.M.)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, S.A.; GENIN, N.M.

Bilateral approach for mitral commissurotomy in repeated stenosis and thrombosis of the atrium cordis. Grud. khir. 2 no.6:15-18 N-D '60. (MIRA 14:1)

1. Iz Instituta grudnoy khirurgii (dir. - prof. S.A.Kolesnikov; nauchnyy rukovoditel' - akademik A.N. Bakulev) AMN SSSR. Adres avtorov: Moskva, Leninskiy prospekt, d.8, Institut grudnoy khirurgii AMN SSSR.

(MITRAL VALVE--SURGERY)

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

BAKULEV, A.N., akademik; KOLESNIKOV, S.A., professor

Some problems in surgical treatment of mitral stenosis. Vest. AMN SSSR 15 no.1:10-17 '60. (MIRA 13:6)

1. Institut grudnoy khirurgii AMN SSSR.
(MITRAL STENOSIS surg.)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, S.A., prof.; PETROSYAN, Yu.S.

Pulmonary-arteriolar resistance (second barrier) in patients with mitral stenosis. Khirurgiia 36 no.10:93-100 O '60. (MIRA 13:11)

(LUNGS--BLOOD SUPPLY) (MITRAL VALVE--DISEASES)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, S.A., prof.; SERGEYEV, V.M., kand.med.nauk; RYZHKOV, Ye.V., kand.med.nauk

Surgical therapy for coelomic cysts of the pericardium. Vest. khir. 85 no.12:77-89 D '60. (MIRA 14:1)

1. Iz Instituta grudnoy khirurgii (dir. - prof. S.A. Kolesnikov, nauchn. rukovod. - prof. A.I. Bakulev) Akademii meditsinskikh nauk SSSR.

(PERICARDIUM--SURGERY) (CYSTS)

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, S.A.; IVANITSKAYA, M.A.

Calcification of the mitral valve; its diagnosis and significance in surgical treatment of mitral stenosis. Grud.khir. no.3:21-28 '61. (MIRA 14:9)

1. Iz rentgenologicheskogo otdeleniya (zav. - dotsent M.A. Ivanitskaya) Instituta grudnoy khirurgii (dir. - prof. S.A. Kolesnikov, nauchnyy rukovoditel' - akad. A.N. Bakulev) AMN SSSR.
(MITRAL VALVE—DISEASES) (CALCIFICATION)

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, S.A., professor; TSUKERMAN, G.I.; PETROSYAN, Yu.S.; LEVANT, A.D.

Surgical treatment of mitral, aortic and tricuspid stenosis. Vest.khir. no.5:3-10 '61. (MIRA 15:1)

1. Iz Instituta grudnoy khirurgii (dir. - prof. S.A. Kolesnikov, nauchn. rukovod. - akademik A.N. Bakulev) AMN SSSR. Adres avtorov: Moskva, B-49, Leninskiy pr., d.8, Institut grudnoy khirurgii.
(AORTA—DISEASES) (MITRAL VALVE—DISEASES)
(HEART—VALVES—DISEASES)

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, S. A.; ZHADOVSKAYA, V. M.; PETROSYAN, Yu. S.

Measurement of the pressure in the left cavities of the heart and pulmonary artery during surgery for mitral stenosis. Grud. khir. no.5:25-31 '61. (MIRA 15:2)

1. Iz Instituta grudnoy khirurgii (dir. - prof. S. A. Kolesnikov, nauchnyy rukovoditel' - akad. A. N. Bakulev) AMN SSSR.

(MITRAL VALVE--SURGERY) (PULMONARY ARTERY)
(BLOOD PRESSURE)

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KOLESNIKOV, S.A.; BUKHTIYAROV, A.G.

Results of the experimental testing of the Research Institute for Experimental Surgical Apparatus and Instruments and Melrose apparatus for artificial blood circulation. Trudy NIIRKHSI no.5: 125-131 '61. (MIRA 15:8)

1. Iz Instituta grudnoy khirurgii AMN SSSR.
(PERFUSION PUMP (HEART))

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, S. A.; SOBOLEVA, A. D.; CHEKAREVA, G. A. (Moskva)

Histogenesis of the structure of the heart in tetralogy of Fallot (dextroposition of the bulbus of the heart). Arkh. pat. no.7: 62-67 '61. (MIRA 15:4)

1. Iz Instituta grudnoy khirurgii AMN SSSR (dir. - prof. S. A. Kolesnikov, nauchnyy rukovoditel' - akad. A. N. Bakulev) i kafedry patologicheskoy anatomii (zav. - deystvitel'nyy chlen AMN SSSR prof. I. V. Davydovskiy) II Moskovskogo meditsinskogo instituta imeni N. I. Pirogova.

(TETRALOGY OF FALLOT)

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, S.A., prof.; LEVANT, A.D.

Surgical treatment of tricuspid stenosis. Kardiologia 1 no.3: 51-58 My-Je '61. (MIRA 15:3)

1. Iz Instituta grudnoy khirurgii AMN SSSR (dir. - prof. S.A. Kolesnikov; nauchnyy rukovoditel' - akademik A.N. Bakulev).
(HEART VALVES—SURGERY)

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, S.A.; GENIN, N.M.; LEVANT, A.D.; PETROSYAN, Yu.S.

Surgical treatment of tricuspid stenosis. Grud. khir. 1 no.5:16-23 S-O '61. (MIRA 15:3)

1. Iz Instituta grudnoy khirurgii AMN SSSR (dir. - prof. A.A. Busalov nauchnyy rukovoditel' - akademik A.N. Bakulev). Adres avtorov: Moskva, Leninskiy prosp., d.8, Institut grudnoy khirurgii AMN SSSR.

(HEART—VALVES)

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, S.A.; BURAKOVSKIY, V.I.

Selection of a method for "dry" heart surgery; experience with 64 "dry" heart operations using hypothermia and artificial circulation. Grud. khir. 3 no.2:3-10 '61. (MIRA 14:4)
(HEART—SURGERY)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, S.A.

Surgery on the open heart under conditions of artificial blood circulation. Vest. AMN SSSR 16 no.8:16-24 '61. (MIRA 14:12)

1. Institut grudnoy khirurgii AMN SSSR.
(HEART--SURGERY) (BLOOD--CIRCULATION, ARTIFICIAL)

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, S.A.; SERGEYEV, V.M.

Achievements in contemporary chest surgery and the prospects for its further development. Vest. AMN SSSR 16 no.12:92-98 '61. (MIRA 15:2)

1. Problemnaya komissiya po probleme No.30 "Khirurgiya serdtsa, magistral'nykh sosudov, legkikh i pishchevoda" (predsedatel' - prof. S.A.Kolesnikov) pri prezidiume AMN SSSR.
(CHEST--SURGERY)

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, S.A., prof.; FITILEVA, L.M.

Evaluation of methods of mitral commissurotomy by means of the phonocardiographic examination of patients. Vest.khir. 87 no.11: 46-51 N '61. (MIRA 15:11)

1. Iz otdeleniya priobretennykh porokov serdtsa (zav. - prof. S.A. Kolesnikov) i laboratorii funktsional'noy diagnostiki (zav. - kand.med.nauk G.G. Gel'shteyn) Instituta grudnoy khirurgii (dir. - prof. S.A. Kolesnikov, nauchn. rukovoditel' - prof. A.N. Bakulev) AMN SSSR.

(MITRAL VALVE—SURGERY) (HEART—SOUNDS)

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, S.A.; BURAKOVSKIY, V.I.; KLAMMER, M.Ye.; ROMASHOV, F.N.; RYABOV, G.A.

Deep hypothermia in heart surgery. Grud.khir. 3 no.6:6-17 N-D '61. (MIRA 15:3)

1. Iz Instituta serdechno-sosudistoy khirurgii (dir. - prof. S.A. Kolesnikov, nauchnyy rukovoditel' - akad. A.N. Bakulev) AMN SSSR. Adres S.A. Kolesnikova: Moskva, Leninskiy pr., d.8, Institut serdechno-sosudistoy khirurgii AMN SSSR.
(HEART—SURGERY) (HYPOTHERMIA)

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, S. A., prof.; (Moskva, pr. Mira, d. 103, kv. 155;
STEPANYAN, Ye. P., doktor biol. nauk

Some blood coagulation factors in mitral defects of the heart of rheumatic etiology. Vest. khir. no.2:3-6 '62.
(MIRA 15:2)

1. Iz Instituta grudnoy khirurgii AMN SSSR (dir. - prof. S. A. Kolesnikov, nauchnyy rukovod. - akad. A. N. Bakulev)

(MITRAL VALVE—DISEASES) (BLOOD—COAGULATION)
(RHEUMATIC HEART DISEASE)

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, S. A.; BURAKOVSKIY, V. I.; MURAV'YEV, M. V.; ROMASHOV, F. N.; LYUDE, M. N.

Clinical aspects, diagnosis and surgical treatment of cor triloculare biventriculare. Grud. khir. no.2:16-20 '62.
(MIRA 15:4)

1. Iz Instituta serdechno-sosudistoy khirurgii (dir. - prof. S. A. Kolesnikov, nauchnyy rukovoditel' - akad. A. N. Bakulev) AMN SSSR.

(HEART--ABNORMITIES AND DEFORMITIES)

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, S.A., prof.; MURAV'YEV, M.V., dotsent

Defects in the interventricular septum; clinical aspects, diagnosis and surgical treatment. Kardiologiia 2 no.1:59-67 Ja-F '62.
(MIRA 15:5)

1. Iz kafedry grudnoy khirurgii TSentral'nogo instituta usovershenstvovaniya vrachey (dir. M.D.Kovrigina) i Instituta serdechno-sosudistoy khirurgii AMN SSSR (dir. - prof. S.A.Kolesnikov, nauchnyy rukovoditel' A.N.Bakulev).
(HEART--DISEASES)

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, S.A.; BUKHARIN, V.A.; KHUAN SYU-CHZHUN [Huang Hsiu-chung]

Developmental defects of the atrioventricular canal; their clinical aspects, diagnosis and surgical treatment. Kardiologiia 2 no.5:16-27 S-O '62. (MIRA 15:12)

1. Iz otdeleniya zabolevaniy serdtsa i sosudov u detey (zav. - kand.med.nauk V.I.Burakovskiy) Instituta grudnoy khirurgii AMN SSSR (dir. - prof. S.A.Kolesnikov, nauchnyy rukovoditel' - akad. A.N.Bakulev).

(HEART--ABNORMITIES AND DEFORMITIES)

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, S.A.; STENANYAN, Ye.P.

State of blood coagulation and fibrinolysis in the diagnosis of thrombosis and hemorrhages in surgical interventions on the heart. Grud.khir. no.4:39-43 Jl-Ag '62. (MIRA 15:10)

1. Iz Instituta serdechno-sosudistoy khirurgii (dir. - prof. S.A. Kolesnikov, nauchnyy rukovoditel' - akad. A.N.Bakulev) AMN SSSR. Adres avtorov: Moskva, B-49, Leninskiy prosp., d. 8. Institut serdechno-sosudistoy khirurgii AMN SSSR.

(HEART—SURGERY)
(THROMBOSIS)
(HEMORRHAGE)
(FIBRINOLYSIS)
(BLOOD COAGULATION)

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, S.A.; NEZLIN, V.Ye.; IVANITSKAYA, M.A.; PETROSYAN, Yu.S.; LEONT'YEVA, N.S. ASTRAKHANTSEVA, G.I.

Clinical observations on mitral stenosis patients with active hypertension of the lesser circulation. Grud.khir. 4 no.6: 3-9 N-D'62. (MIRA 16:10)

1. Iz Instituta serdechno-sosudistoy khirurgii (dir. - prof. S.A.Kolesnikov; nauchnyy rukovoditel' - akademik A.N.Bakulev) AMN SSSR. Adres avtorov: Moskva, V-49, Leninskiy prospekt, d.8, Institut serdechno-sosudistoy khirurgii AMN SSSR.
(MITRAL VALVE--DISEASES) (HYPERTENSION)

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KOLESNIKOV, S. A., prof.; STEPANYAN, Ye. P.; SMIRENSKAYA, Ye. M.

Increased hemorrhagic diathesis after operations performed under artificial blood circulation. Probl. gemat. i perel. krovi no.8: 40-45 '62. (MIRA 15:7)

1. Iz laboratorii biokhimii (zav. - prof. Ye. P. Stepanyan), klinicheskoy fiziologii (zav. - prof. A. G. Bukhtiyarov) Instituta serdechno-sosudistoy khirurgii (dir. - prof. S. A. Kolesnikov, nauchnyy rukovoditel' - akad. A. N. Bakulev) AMN SSSR.

(HEMOPHILIA) (BLOOD—CIRCULATION, ARTIFICIAL)

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BANSHCHIKOV, V.M.; KOLESNIKOV, S.A.; ROMANOVA, I.S.; GENIN, N.M.

Clinical characteristics of mental disorder in patients with acquired heart defects following mitral commissurotomy. Zhur. nerv.i psikh. 62 no.6:916-920 '62. (MIRA 15:11)

1. Institut psikhiatrii (dir. - prof. V.M.Banshchikov) Ministerstva zdravookhraneniya RSFSR i Institut grudnoy khirurgii (dir. - prof. S.A.Kolesnikov) AMN SSSR, Moskva.
(MITRAL VALVE--SURGERY) (MENTAL ILLNESS)

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, S.A.; IVANITSKAYA, M.A.; TSUKERMAN, G.I.

Intravital diagnosis and surgical treatment of myxoma of the heart. Grud. khir. 5 no.1:40-46 Ja-F'63. (MIRA 16:7)

1. Iz Instituta serdechno-sosudistoy khirurgii (dir.-prof. S.A. Kolesnikov; nauchnyy rukovoditel'- akademik A.N.Bakulev) AMN SSSR.
(HEART--TUMORS) (ANGIOCARDIOGRAPHY)

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, S.A.; IVANITSKAYA, I.N.

Late results of mitral commissurotomy according to dynamocardiographic data. Grud. khir. 5 no.2:39-44 Mr-Ap'63
(MIRA 17:2)

1. Iz laboratorii klinicheskoy fiziologii (zav. - akademik AN UkrSSR Ye. B.Babskiy) Instituta normal'noy i patologicheskoy fiziologii (direktor - deystvitel'nyy chlen AMN SSSR V.V.Parin) AMN SSSR i Instituta serdechno-sosudistoy khirurgii AMN SSSR. Adres Kolesnikova: Moskva V-49, Leninskiy prosp., d. 8, Institut serdechno-sosudistoy khirurgii AMN SSSR.

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, S.A.; VANINA, L.V.; GENIN, N.M.

Mitral commissurotomy during pregnancy. Grud. khir. 5 no.6:8-10 N-D'63 (MIRA 17:2)

1. Iz Instituta serdechno-sosudistoy khirurgii (direktor - prof. S.A. Kolesnikov) AMN SSSR i kafedry akusherstva i ginekologii (zav. - prof. K.N.Zhmakin) I Moskovskogo ordena Lenina meditsinskogo instituta im. I.M.Sechenova. Adres avtorov: Moskva, V-49, Leninskiy prosp., d. 8. Institut serdechno-sosudistoy khirurgii AMN SSSR.

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, S.A., prof.

Achievements in the field of cardiovascular surgery. Med. sestra 22.no.1:3-10 Ja '63. (MIRA 16:7)

1. Iz Instituta serdechno-sosudistoy khirurgii AMN SSSR, Moskva.
(CARDIOVASCULAR SYSTEM—SURGERY)

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, S.A., prof.; TSUKERMAN, G.I., kand.med.nauk; LEONT'YEVA, N.S., kand. med.nauk; MEYTINA, R.A., kand. med. nauk; PETROSYAN, Yu.S., kand.med.nauk; GOLYA, B.F.; ASTRAKHANTSEVA, G.I.

Characteristics of the operative and immediate postoperative period in mitral commissurotomy in patients with severe pulmonary hypertension. Sovet. med. 27 no.6:14-20 Je'63.
(MIRA 17:2)

1. Iz Instituta serdechno-sosudistoy khirurgii (direktor - prof. S.A. Kolenikov, nauchnyy rukovoditel' - akademik A.N.Bakulev) AMN SSSR.

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BAKULEV, A.N., akademik; KOLESNIKOV, S.A., prof.; BURAKOVSKIY, V.I.; GEL'SHTEYN, G.G.; LEBEDEVA, G.K.; MURAV'YEV, M.V.; MEYTINA, R.A.

Artificial blood circulation in combination with hypothermia in the surgery of congenital heart defects. Vest.khir. 90. no.2: 10-19 F'63. (MIRA 16:7)

1. Iz Instituta serdechno-sosudistoy khirurgii (dir. - prof. S.A.Kolesnikov, nauchnyy rukovoditel' - akademik A.N.Bakulev) AMN SSSR. Adres avtorov: Moskva, V-49, Leninskiy pr., d.8, Institut serdechno-sosudistoy khirurgii AMN SSSR.

(HEART—SURGERY) (HYPOTHERMIA)
(BLOOD—CIRCULATION, ARTIFICIAL)

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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, S. A. (Prof,Dr)

"Treatment of difficult and calcified recurrent mitral stenoses."

report submitted for 5th Conf of East German Surgeons, Berlin, E. Germany, 12-15 Oct 64.

Inst for Heart & Vascular Surgery, Moscow.

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810014-5

KOLESNIKOV, S.A.; STRAKHOV, S.N.

Comparative evaluation of two methods of mitral commissurotomy based on electroencephalographic data. Grudn. khir. 5 no.3: 15-19 My-Je '63 (MIRA 17:1)

1. Iz Instituta serdechno-sosudistoy khirurgii (dir. - prof. S.A. Kolesnikov, nauchnyy rukovoditel' - akademik A.N. Bakulev) AMN SSSR. Adres avtorov: Moskva V-49. Leninskiy prosp., d.8. Institut serdechno-sosudistoy khirurgii AMN SSSR.

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