SHEVAN, A.V.; GORBACHEVA, N.A.; SHVAYKOVA, Mariya Dmitriyevna, prof.; SHEVERDYAYEVA, V.M.; RUBTSOV, A.F., kand.farmatsevticheskikh nauk, retsenzent; YASKINA, D.Z., kand.farmatsevticheskikh nauk, retsenzent; KOZULIN, V.S., red.; RAYKO, N.Yu., tekhn.red.

[Manual on the practical studies of forensis chemistry for pharmacology correspondence students of institutions of higher learning] Rukovodstvo k prakticheskim zaniatiiam po sudebnoi khimii; dlia studentov-zaochnikov farmatsevticheskikh vuzov. Pod obshchei red. M.D.Shvaikovoi. Moskva, I-i Mosk.med.in-t im. I.M.Sechenova, 1961. 101 p.

(MTRA 14:6)

1. Kafedra sudebnoy khimii farmatsevticheskogo fakul'teta 1-go
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(PHARMAGOLOGY—LABORATORY MANUALS)

(CHEMISTRY, LEGAL)

BELOVA, A.V.; VALLANDER, S.V.

Integral kinetic equations in the theory of monatomic gases in the presence of an external field of mass forces. Aerodin. razrezh. gaz. no.1:38-44 '63.

Integral kinetic equations for a gaseous mixture with internal degrees of freedom. Ibid.:45-52 (MIRA 17:3)

BELOVA, A.V.

Approximate determination of the parameters of a gas in a shock wave. Aerodin. razrezh. gaz. no.1:220-233 '63. (MIRA 17:3)

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	Food	of	the	codfish	Eleginus	navaga	of	the	Pechora	Bay.
				00-4:146					(MIRA	15:11)

Trudy MMBI no.4:146-152 162.

1. Laboratoriya akklimatizatsii morskikh organizmov (zav. - L. Vasil'yev) Murmanskogo morskogo biologicheskogo institua.

(Pechora Bay-Godfish) (Fishes-Food)

MIRONOVA, N.V.; TSEYEB, R.Ya.; GERASIMOV, V.V.; POZDNYAKOV, Yu.F.; CHINARINA, A.D.; BELOVA, A.V.

Distribution and some biological characteristics of commercial fishes in the littoral area of the Murman Coast in 1957.

Trudy MMBI no.4:162-173 '62. (MIRA 15:11)

1. Laboratoriya ikhtiologii (zav. - N.V. Mironova) Murmanskogo morskogo biologicheskogo instituta. (Barents Sea-Fishes)

MIRONOVA, N.V.; TSEYEB, R.Ya.; GERASIMOV, V.V.; POZDNYAKOV, Yu.F.; CHINARINA, A.D.; TARVERDIYEVA, M.I.; HELOVA, A.V.

Distribution and some biological characteristics of commercial fishes in the littoral area of the Murman Coast in 1958.

Trudy MMBI no.4:174-185 '62. (MIRA 15:11)

1. Laboratoriya ikhtiologii (zav. - N.V. Mironova) Murmanskogo morskogo biologicheskogo instituta. (Barents Sea—Fishes)

BELOVA, A.V.; TARVERDIYEVA, M.I.

Materials on the feeding habits of the Arctic codling (Boreogadus saids). Trudy MMBI no.5:143-147 164. (MIRA 17:4)

1. Laboratoriya biologicheskikh osnov akklimatizatsii (zav. - L.I.Vasil'yev) Murmanskogo morskogo biologicheskogo instituta.

BELOVA, A.V.

Effect of transportation conditions on the blood composition in young humpberk salmon raised in the fish hatcheries of Murmansk Province. Dckl. AN SSSR 161 no.2:466-468 Mr *65.

(MIRA 18:4)

1. Murmanskiy morskoy biologicheskiy institut Kol'skogo filiala AN SSSR. Submitted April 27, 1964.

Materials on the blood morphology in young Oncorhynchus gorbuscha reared in the Ura-Guba Fish Hatchery. Trudy MBI no.9:88-94 '65.

(MIRA 18:12)

BELOVA A.V.

124-58-6-6446

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 6, p 22 (USSR)

AUTHOR: Belova, A. V.

TITLE: The Force Exerted by a Subsonic Gas Flow on a Fluid Foil (or

Profile) (Silovoye vozdeystviye dozvukovogo potoka gaza na

profil')

PERIODICAL: Uch. zap. LGU, 1957, Nr 217, pp 90-123

ABSTRACT: An exact formula is evolved for calculating the lifting force exerted on a given wing section in a subsonic flow. To permit use of the method of successive approximations, the system of

equations of the motion of the gas

$$\frac{\partial \varphi}{\partial x} = \frac{\rho_0}{\rho} \frac{\partial \psi}{\partial y}; \qquad \frac{\partial \varphi}{\partial y} = -\frac{\rho_0}{\rho} \frac{\partial \psi}{\partial x} \qquad (1)$$

is broken down into an infinite sequence of equation systems (See S. A. Khristianovich, Tr. TsAGI, 1940, Nr 48). The initial solution represents an incompressible fluid flow satisfying the system of equations

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Equation on card 2

Card 1/3

124-58-6-6446

The Force Exerted by a Subsonic Gas Flow on a Fluid Foil (cont.)

$$\frac{\partial \varphi_{o}}{\partial x} = \frac{\rho_{o}}{\rho_{\infty}} \frac{\partial y_{o}}{\partial y}, \qquad \frac{\partial \varphi_{o}}{\partial y} = -\frac{\rho_{o}}{\rho_{\infty}} \frac{\partial y_{o}}{\partial x} \qquad (2)$$

The author turns next to the independent variables in the plane of the circumference with unit radius and solves, by means of the Khristianovich method, the systems of equations obtained in the vicinity of a point at infinity. Here the author evolves a recurrent solution for the n-th system of equations, which is essential, inasmuch as her starting point is not ... Prandtl's linearized solution but an incompressible fluid flow. Summating and transforming her solutions, she obtains the following formula for the circulation of a subsonic flow:

$$\Gamma = \frac{\Gamma_0}{\sqrt{1 - M_{\infty}^2}} \quad (1 + \delta)$$

wherein M is the Mach number. The correction δ for Prandtl's formula appears in the form of a series according to powers of M_{∞}

Card 2/3
$$S = \frac{\int_{1}^{1}}{\int_{0}^{1}} (\frac{1}{2} M_{\infty}^{2}) + \dots + \frac{\int_{n}^{n}}{\int_{0}^{1}} (\frac{1}{2} M_{\infty}^{2})^{n} + \dots$$
 (4)

124-58-6-6446

The Force Exerted by a Subsonic Gas Flow on a Fluid Foil (cont.)

wherein the quantities \int_{l} are independent of M_{∞} and are calculated from known formulae. In effect, the author is content to limit herself to evaluating the first term of series (4). The quantity \int_{l} is calculated for a circumference, for a plate, for a small circular arc, and for a Zhukovskiy profile. From these calculations the conclusion is reached that the factors affecting the quantity \int_{l}^{1} are, basically, the relative profile thickness and, to a lesser degree, the profile camber. It is pointed out in conclusion that the basic correction for the formula

$$\Gamma = \frac{\Gamma_0}{\sqrt{1 - M_{\infty}^2}}$$

can be obtained with relative ease from the second approximation of the usual iteration method if, for the first approximation, one takes the linearized Prandtl solution. The second approximation for the stream function ψ is worked out in finite form in a paper by Hantzsche and Wendt (Hantzsche, W., Wendt, Z. Angew. Math. und Mech., 1942, Vol 22, pp 72-86).

1. Gas flow--Mathematical analysis 2. Fluid flow-Mathematical analysis 3. Wings--Lift
Card 3/3

SOV/124-58-7-7477

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 7, p 22 (USSR)

AUTHOR: Belova, A. V.

TITLE: Wing section Moment at High Subsonic Speeds (Moment profilya kryla pri bol'shikh dozvukovykh skorostyakh)

PERIODICAL: Uch. zap. LGU, 1957, Nr 217, pp 124-143

ABSTRACT: A precise formula is evolved for the moment of the aerodynamic forces acting on a given wing profile in a subsonic flow. To enable herself to use the method of successive approximations, the author breaks down the system of equations

 $\frac{\partial \dot{\phi}}{\partial x} = \frac{\rho_0}{\rho} \frac{\partial \psi}{\partial y} \quad \text{and} \quad \frac{\partial \dot{\phi}}{\partial y} = -\frac{\rho_0}{\rho} \frac{\partial \psi}{\partial x} \quad (1)$

for the motion of a gas into an infinite sequence of equation systems (See Belova, A. V., Uch. zap. LGU, 1957, Nr 217, pp 90-123; RZhMekh, 1958, Nr 6, abstract 6446). She turns then to the independent variables of the plane of the unit radius circumference (\xi) and solves the systems of equations in the vicinity of the infinitely distant point by the method of

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SOV/124-58-7-7477

Wing-section Moment at High Subsonic Speeds

S.A. Khristianovich (Tr. TsAGI, 1940, Nr 481). For the n-th system of equations a recurrent formula is evolved. Then, in the general moment formula, the author again turns to the independent variables of the plane of (5), substituting therein the results obtained and making the radius of the circumference | = r, along which the integration is performed, tend to infinity. As a result, by utilizing the conclusions of her own previous work (mentioned above), the author obtains for the moment L the following formula:

$$L = \frac{9 \infty^{v} \infty^{2}}{b^{2}} \left[\pi \beta_{1} \left(1 + \frac{1}{\sqrt{1 - M_{\infty}^{2}}} \right) - \alpha_{0} \right]$$
 (2)

wherein wo and gare the values for the velocity and density of the gas flow at infinity,

$$b = \left(\frac{d \mathcal{E}}{d z}\right)_{\infty}$$
, $z = x + iy$,

 β_1 is the imaginary portion of the coefficient of ξ^{-2} when $(w/w_0)^2$ is expanded into a series in the vicinity of $\xi = \infty$ (w being the flow velocity of Card 2/3

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Wing-section Moment at High Subsonic Speeds

an incompressible fluid), and α_0 is a constant determining the location of the point with respect to which the moment is calculated. The quantity α_0 by represents the circulation of the subsonic gas flow in question. If it is assumed that α_0 = 0, the well-known expression for the moment of a wing section in an incompressible fluid flow is obtained.

I.M. Yur'yev

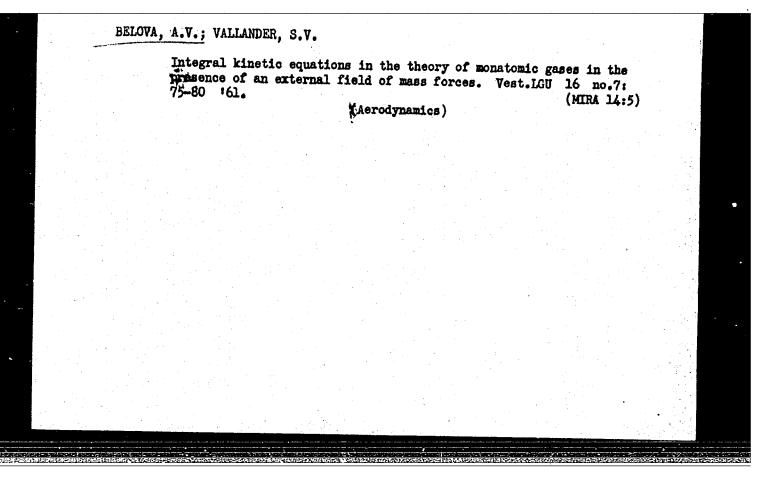
1. Wings--Moments 2. Wings--Aerodynamic characteristics 3. Mathematics --Applications

Card 3/3

KOVALEV, Maksim Antonovich; RELOVA, Aleksandra Vasil'yevna; MARKEVICH,
Natal'ya Mikhaylovna; LANDMAN, Vera Gennadiyevna; GINZBURG,
I.P., prof., red.; BUSCRGINA, N.I., red.; ZHUKOVA, Ye.C.,
tekhn.red.

[Manual for laboratory work on aerogasdynamics] Rukovodstvo
k laboratornym rabotam po aerogasdinamiks. Ped red. I.P.
Ginzburga. Leningrad, Izd-vo Leningr.univ., 1959. 175 p.
(MIRA 13:1)

(Aerohydrodynamics—Handbooks, manuals, etc.)



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10.1210 ल्या गरिक्ष

Belova, A.V., and Lozhkina, V.P.

TITLE:

AUTHORS:

Thin airfoil in supersonic flow with complex thermodynamics

PERIODICAL: Leningrad. Universitet. Vestnik. Seriya matematiki, meknaniki i astronomii, no. 7, 2, 1962, 96 - 100

TEXT: Steady supersonic flow of a gas with complex thermodynamics past a thin airfoil is considered. The solution is obtained in the first- and second approximation. From the method of solution it is evident that any approximation can be constructed by continuing the process, described in the article. The solution of the system of differential equations ought to satisfy the conditions at the surface of strong discontinuity and the flow conditions. The solution is sought in the form

$$v_{x} = v_{1} + v_{x}' + v_{x}'' + \cdots, \quad v_{y} = v_{y}' + v_{y}'' + \cdots, \\ p = p_{1} + p' + p'' + \cdots, \quad \rho = \rho_{1} + \rho' + \rho'' + \cdots,$$
 (6)

Card 1/3

Thin airfoil in supersonic flow ...

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where v_1 , p_1 , ρ_1 relate to the undisturbed flow; v', v'' are small magnitudes of the first-, second-, and higher order. By introducing Eq. (6) in the original system of differential equations, and by collecting terms of the same order, one obtains a system of equations for first-order magnitudes, second-order magnitudes, etc. The solution of the system of equations for each approximation, ought to satisfy the discontinuity conditions and the flow conditions, as formulated for each approximation. The conditions which have to be satisfied at the discontinuity-line dy/dx = tg φ , are carried over to the characteristic (the magnitudes of necessary order being taken into account). In the first approximation, one takes (as the equation of the discontinuity line) the characteristic dy 0 /dx = tg φ 0, and in the second approximation - the equation

$$\frac{\mathrm{d}y^{1}}{\mathrm{d}x} = \mathrm{tg} \ \varphi_{0} + \frac{1}{\cos^{2} \varphi_{0}} \ \varphi'. \tag{18}$$

Analogously, the flow conditions are carried over from the line y = S(x) to y = 0. After the boundary conditions have been set up, the solution is obtained as in the case of a gas with constant heat Card 2/3

Thin airfoil in supersonic flow ...

S/043/62/007/002/003/007 D407/D301

capacity. Thus, in the first approximation

$$\widehat{p'}(x, y) = \frac{p_1 v_1^2}{\sqrt{M_1^2 - 1}} \, \zeta' \left(x - \sqrt{M_1^2 - 1} \, y \right),
v'_x = -\frac{1}{\rho_1 v_1} \, p', \quad v'_y = \frac{1}{\rho_1 v_1} \, \sqrt{M_1^2 - 1} \, p', \quad \rho' = \frac{1}{a_1^2} \, p'.$$
(22)

Only the expression for ϕ differs from that for a gas with constant heat capacity. The system of equations for the second approximation is

$$v_{1} \frac{\partial v_{x}^{\prime}}{\partial x} = -\frac{1}{\rho_{1}} \frac{\partial p^{\prime\prime}}{\partial x}, \quad v_{1} \frac{\partial v_{y}^{\prime}}{\partial x} = -\frac{1}{\rho_{1}} \frac{\partial p^{\prime\prime}}{\partial y},$$

$$v_{1} \frac{\partial \rho^{\prime\prime}}{\partial x} + \rho_{1} \left(\frac{\partial v_{x}^{\prime}}{\partial x} + \frac{\partial v_{y}^{\prime}}{\partial x} \right) = \rho_{1} v_{1} \frac{M_{1}^{4}}{M_{1}^{2} - 1} \frac{\partial}{\partial x} \zeta^{\prime\prime} \left(x - \sqrt{M_{1}^{2} - 1} \ y \right),$$

$$\frac{\partial p^{\prime\prime\prime}}{\partial x} - a_{1}^{2} \frac{\partial p^{\prime\prime\prime}}{\partial x} = \frac{1}{\rho_{1} a_{1}^{2}} \left(\frac{1}{f_{1}(\gamma_{0})} - 1 \right) \frac{\partial}{\partial x} p^{\prime\prime}.$$
(25)

This system is then solved. The solution of the problem in the 3rd approximation can be readily obtained from the expression for φ ". Formulas are derived for the coefficients of lift and of drag. SUBMITTED: November 23, 1961 Card 3/3

L 31351-65 AWT(1)/EWP(+)/EWP/FCS(k)/EWA(1) Pd-1/Ps-4 ESD(gs)/ESD(dp)/AEDC(w)/ SSD/BSD/AFWL/ASD(f)-2/AS(dp)-3 WW

ACCESSION NR: AP4044457

\$/0043/64/000/003/0075/0084

AUTHOR: Belova, A. V.; Maksimova, G. G.

27 13

TITLE: A nonstationary problem on dissipation of a jet

SOURCE: Leningrad. Universitet. Vestnik. Seriya matematiki, mekhaniki i astronomii, no. 3, 1964, 75-84

TOPIC TAGS: fluid dynamics, jet flow, jet, gas flow, rarefied gas, numerical method

ABSTRACT: Assume that at the initial moment in time (t = 0) a gas moves parallel to the (x, y) plane, where its macroscopic characteristics (n is the number of particles per unit volume, (V is velocity, T is temperature) are given in the following manner: I: In the domain y>a, y<-a.

$$n = n_i$$
, $V_x = V_i$, $V_y = 0$, $T = T_i$;

II: In the domain -acyca

Cara 1/7

ACCESSION NR: AP4044457 $n=n_3, \ V_s=V_1, \ V_y=0, \ T=T_1.$ At the initial instant the molecule velocities follow a distribution given by the Maxwell functions $\int_{0}^{(0)} (\bar{u}) = n_i \left(\frac{h_i}{\epsilon}\right)^{3/2} \exp\left[-h_i(\bar{u}-\bar{V}_i)^4\right] \ (i=1,2)$ where $h_i = \frac{1}{2RT_i} = \frac{m}{2kT_i}$, m is the mass of the molecules, and k is Boltzman's constant. The following system of integral kinetic equations is used to find the distribution function $f(\bar{r}, \ \bar{u}, \ t)$: $f(\bar{r}, \ \bar{u}, \ t) = f(\bar{r}_0, \ \bar{u}, \ 0) \ \Pi(\bar{r}, \ \bar{u}, \ 0, \ t) + \int_{0}^{\infty} (\bar{r}_0, \ \bar{u}, \ \tau) \ \Pi(\bar{r}, \ \bar{u}, \ \tau, \ t) \, d\tau,$ (3)

$$\Pi(\tilde{r},\tilde{u},v,t) = \exp\left\{-\frac{1}{2}\left[\int_{0}^{t}\tilde{u}-\tilde{u}_{t}^{2}\left[\sigma(\tilde{u}-\tilde{u}_{t})\right]\times f(\tilde{r}_{s},\tilde{u}_{t},\sigma)d\tilde{u}_{s}\right]d\sigma\right\},\tag{4}$$

$$\Phi(\overline{r}, \overline{u}, t) = \frac{1}{2} \iint |\overline{u}_1 - \overline{u}_2| \circ (|\overline{u} - \overline{u}_2|) f(\overline{r}, \overline{u}_1, t) \times f(\overline{r}, \overline{u}_2, t) T(\overline{u}_1, \overline{u}_2, \overline{u}_3, \overline{u}) d\overline{u}_1 d\overline{u}_2.$$
 (5)

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ACCESSION NR: AP4044457

In a first approximation, the distribution functions in the first and second regions of y are given by

$$f^{(i)}(y, \bar{a}, t) = \begin{cases} f_1^{(i)}(\bar{u}) + [f_1^{(i)}(\bar{u}) - f_1^{(i)}(\bar{u})] e^{-Q_1(\bar{u})} & (t-c_1)^2 \\ g_{1}(\bar{u}) + (f_1^{(i)} - f_1^{(i)}) e^{-Q_1(t-c_1)} - (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} & (t-c_1)^2 - Q_1(c_1)^2 \\ g_{2}(\bar{u}) + (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} - (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} & (t-c_1)^2 - Q_1(c_1)^2 \\ g_{2}(\bar{u}) + (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} - (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} \\ g_{2}(\bar{u}) + (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} - (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} \\ g_{2}(\bar{u}) + (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} - (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} \\ g_{2}(\bar{u}) + (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} - (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} \\ g_{2}(\bar{u}) + (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} - (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} \\ g_{2}(\bar{u}) + (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} - (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} \\ g_{2}(\bar{u}) + (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} - (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} \\ g_{2}(\bar{u}) + (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} - (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} \\ g_{2}(\bar{u}) + (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} - (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} \\ g_{2}(\bar{u}) + (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} - (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} \\ g_{2}(\bar{u}) + (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} - (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} \\ g_{2}(\bar{u}) + (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} - (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} \\ g_{2}(\bar{u}) + (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} - (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} \\ g_{2}(\bar{u}) + (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} - (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} \\ g_{2}(\bar{u}) + (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} - (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} \\ g_{2}(\bar{u}) + (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} - (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} \\ g_{2}(\bar{u}) + (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} + (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} \\ g_{2}(\bar{u}) + (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} + (f_2^{(i)} - f_1^{(i)}) e^{-Q_1(c_1)} \\ g_{2}$$

$$f_{1}^{(0)}(\underline{u}) + [f_{1}^{(0)}(\underline{u}) - f_{2}^{(0)}(\underline{u})] e^{-Q_{1}(\underline{u})(t-Q_{1})}$$

$$u_{y} < u_{y_{0}} < 0;$$

$$f_{2}^{(0)}(\underline{u}), \quad u_{y_{0}} < u_{y} < u_{y_{0}}; \quad f_{2}^{(0)}(\underline{u}) + (f_{1}^{(0)} - f_{2}^{(0)}) e^{-Q_{1}(t-\overline{Q}_{1})}, \quad u_{y} > \overline{u}_{y_{0}} > 0.$$

These distributions are then used to find the macroscopic characteristics by

These distributions are then used to find the macroscopic characteristics by means of the formulas $u(y, t) = \int f(y, \bar{u}, t) d\bar{u}$, $u(y, \bar{u}) = \int u_x f d\bar{u}$.

 $nV_y = \int u_y f d\bar{u}, \ n (3RT + V^2) = \int u^2 f d\bar{u}.$

Card 3/7

Assuming that $\sigma(v) = \frac{s_0}{v}$, $s_0 = \text{const}$, where σ is the collision cross-section and v is the relative velocity, the author finds that the macroscopic characteristics for the first and second regions of y are $n(y, t) = n_1 + \frac{1}{\sqrt{\pi}} \left\{ \int_{s_{y_0}}^{\infty} F_1(u_y) e^{-\frac{Q_1(y-a)}{s_y}} du_y - \int_{s_{y_0}}^{\infty} F_1(u_y) e^{-\frac{Q_1(y-a)+Q_1\delta a}{s_y}} du_y \right\};$ $nV_x = n_1 V_1 + \frac{1}{\sqrt{\pi}} \left\{ \int_{s_{y_0}}^{\infty} F_2(u_y) e^{-\frac{Q_1(y-a)}{s_y}} du_y - \int_{s_{y_0}}^{\infty} F_2(u_y) e^{-\frac{Q_1(y-a)+Q_2\delta a}{s_y}} du_y \right\};$ $nV_y = \frac{1}{\sqrt{\pi}} \left\{ \int_{s_{y_0}}^{\infty} F_1(u_y) e^{-\frac{Q_1(y-a)}{s_y}} du_y - \int_{s_{y_0}}^{\infty} F_1(u_y) e^{-\frac{Q_1(y-a)+Q_2\delta a}{s_y}} u_y du_y \right\};$ Card 4/7

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ACCESSION NR: AP4044457
$$n (3RT + V^{4}) = n_{4}(3RT_{1} + V^{4}_{1}) + \frac{1}{\sqrt{\pi}} \left(\int_{a_{T_{1}}}^{\infty} F_{1}(u_{y}) e^{-\frac{Q_{1}(y-a)}{a_{y}}} u_{y}^{2} du_{y} - \int_{a_{T_{1}}}^{\infty} F_{1}(u_{y}) e^{-\frac{Q_{1}(y-a)+Q_{2}x}{a_{y}}} u_{y}^{2} du_{y} + \frac{1}{\sqrt{\pi}} \left(\int_{a_{T_{1}}}^{\infty} F_{1}(u_{y}) e^{-\frac{Q_{1}(y-a)}{a_{y}}} du_{y} - \int_{a_{T_{1}}}^{\infty} F_{1}(u_{y}) e^{-\frac{Q_{1}(y-a)+Q_{2}x}{a_{y}}} du_{y} \right)$$

$$n(y, t) = n_{2} - \frac{1}{\sqrt{\pi}} \left(\int_{a_{T_{1}}}^{\infty} F_{1}(u_{y}) e^{-\frac{Q_{1}(x-y)}{a_{y}}} du_{y} + \int_{a_{T_{1}}}^{\infty} F_{1}(u_{y}) e^{-\frac{Q_{1}(x-y)}{a_{y}}} du_{y} \right)$$

$$nV_{e} = n_{1}V_{a} - \frac{1}{\sqrt{\pi}} \left(\int_{a_{T_{1}}}^{\infty} F_{1}(u_{y}) e^{-\frac{Q_{1}(x-y)}{a_{y}}} u_{y} du_{y} - \int_{a_{T_{1}}}^{\infty} F_{1}(u_{y}) e^{-\frac{Q_{1}(x-y)}{a_{y}}} u_{y} du_{y} \right)$$

$$nV_{g} = \frac{1}{\sqrt{\pi}} \left(\int_{a_{T_{1}}}^{\infty} F_{1}(u_{y}) e^{-\frac{Q_{1}(x-y)}{a_{y}}} u_{y} du_{y} - \int_{a_{T_{1}}}^{\infty} F_{1}(u_{y}) e^{-\frac{Q_{1}(x-y)}{a_{y}}} u_{y} du_{y} \right)$$

$$Card 5/7$$

L 31351-65

ACCESSION NR: AP4044457 $n(3RT+V^{2}) = n_{2}(3RT_{3}+V_{2}^{2}) - \frac{1}{\sqrt{\pi}} \left(\int_{-x_{f_{0}}}^{x} F_{1}(u_{y}) e^{-\frac{Q_{1}(a-y)}{u_{y}}} u_{y}^{2} du_{y} + \int_{-x_{f_{0}}}^{x} F_{1}(u_{y}) e^{-\frac{Q_{1}(a+y)}{u_{y}}} du_{y} \right) - \frac{1}{\sqrt{\pi}} \left(\int_{-u_{f_{0}}}^{x} F_{2}(u_{y}) e^{-\frac{Q_{1}(a-y)}{u_{y}}} du_{y} + \int_{-x_{f_{0}}}^{x} F_{2}(u_{y}) e^{-\frac{Q_{1}(a+y)}{u_{y}}} du_{y} \right)$ where $F_{k}(u_{y}) = a_{2}^{(a)} e^{-a_{1}a_{2}^{2}} - a_{1}^{(a)} e^{-a_{1}a_{2}^{2}}, \quad (k=1, 2, 3) \qquad (18)$ and $a_{1}^{(1)} = n_{1} \sqrt{h_{1}}, \quad a_{1}^{(2)} = n_{1} \sqrt{h_{1}} \sqrt{h_{1}}, \quad a_{1}^{(4)} = n_{1} \sqrt{h_{1}} \left(\frac{1}{h_{1}} + V_{1}^{2} \right), \quad (i=1, 2).$ These formulas are then applied in several special cases, for which the author

These formulas are then applied in several special cases, for which the author gives numerical results. It is concluded that the approximation under discussion provides a good description for the development of the process at its beginning, although the solution provides only a qualitative description of the flow pattern later on. The author presents a method for using his approximations to solve several problems on nonstationary dissipation in the case of one or more regions of gas moving in parallel. Orig. art. has: 18 equations and 2 figures

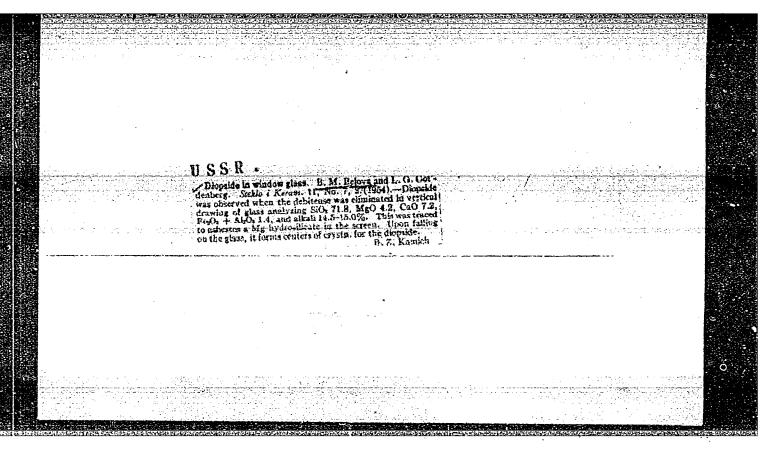
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BELOVA, A.V.; MAKSIMOVA, G.G.

Nonstationary problem of the dissipation of a jet. Vest. LGU 19 no.13:75-84 '64 (MIRA 17:8)

Microgrystalloscopic detection of some barbituric acid do in forensic chemical investigations. Sudmed. ekspert. 45 hp-Je 160.		
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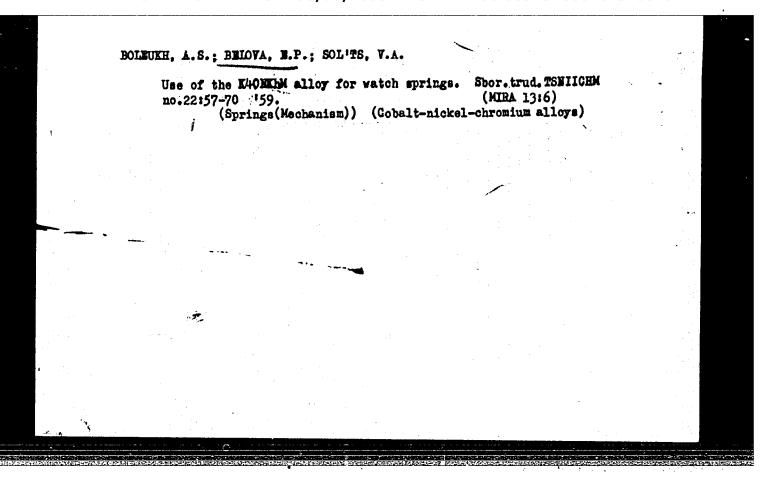


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Cerebral rheumatism; case in a child. Suvrem. med., Sofia 6 no.11: 79-83 1955.

1. Is II detska gradska bolnitsa pri SGNSDT (gl. lebar: P. Belopitov).

(HREUMATISM, in infant and child, cerebral. (Bul.))

(BRAIN, diseases, rheum. in child. (Bul.))
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BELOVA, E.P.

PHASE I BOOK EXPLOITATION SOV/5685

Pridlyander, I. N., Doctor of Technical Sciences, and B. I. Matveyev, Candidate of Technical Sciences, eds.

Teploprochnyy material iz spechennoy alyuminiyevoy pudry [SAP]; abornik statey (Heat-Resistant Material From Baked Aluminum Powder [SAP]; Collection of Articles) Moscow, Oborongiz, 1961. 122 p. Errata slip inserted. 3,550 copies printed.

Reviewers: M. P. Bazhenov, Engineer, and M. Yu. Bal'shin, Candidate of Technical Sciences; Ed.: M. A. Bochvar, Engineer; Ed. of Publishing House: S. I. Vinogradskaya; Tech. Ed.: V. I. Oreshkina; Managing Ed.: A. S. Zaymovskaya, Engineer.

PURPOSE: This collection of articles is intended for scientific workers and engineers in the institute and plant laboratories of the metallurgical and machine-building industry; it may also be useful to instructors and advanced students.

COVERAGE: The 12 articles contain the results of research on the structure, properties, and manufacture of semifinished products Card 1/5

Heat-Resistant Material Prom (Cont.)

from sintered aluminum powder. The technology for the manufacture of aluminum powder and briquets is described as are sintering processes, and pressing, rolling, drawing, and sheet-stamping methods. The dependence of the properties of semifinished products on the aluminum-oxide content of the nowder, on the degree of hot and cold deformation, and on the stresses of pressing is investigated. Also investigated are the mechanical and corrosive properties of semifinished products, the mechanism of hardening of sintered aluminum powder, recrystallization. Data on sintered aluminum alloys are included. No personalities are mentioned. References in the form of footnotes accompany the articles.

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		Heat-Resistant Material From (Cont.) SOV/5685	. 1 -	0	•
		Gorelik, S. S., A. I. Litvintsev, and E. P. Belova. Special Features of Recrystallization of Sintered Aluminum Powder (l SAP) 88		
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		Sintered Aluminum Alloys			
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L 10814-65 ENT(m)/EPR/T/ENP(k)/ENP(h) Pf-4/Ps-4 ASD(m)-3/SSD(a)/BSD ACCESSION NR: AT4043511 JD \$/3107/64/000/003/0159/0169 AUTHOR: Gorelik, S. S. (Doctor of technical sciences); Litvintsev, A. I. (Candidate of technical sciences); Belova, E. (Engineer) TITLE: Study of recrystallization of sintered aluminum powder (SAF) SOURCE: Nauchno-tekhnicheskoye obshchestvo mashinostroitelinoy promy*shlennosti. Sektsiya metallovedeniya i termicheskoy obrabotki. Metallovedeniye i termicheskaya obrabotka, no. 3, 1964, 159-169 TOPIC TAGS: aluminum powder, sintered aluminum powder, SAP, SAP cold rolling, SAP hot rolling, rolled recrystallization, SAP recrystallization ABSTRACT: The recrystallization mechanism of hot and cold rolled SAP with 4% Al203 was investigated. The hot extruded SAP billets were hot rolled in three steps at 450-480C with 12.5, 22, and 22% reduction, and then cold rolled with 65% reduction. The rolled specimens were annealed at 150-700C for 1 hr and air cooled. The formation of recrystallization centers in the cold-rolled specimens was found to Card 1/4

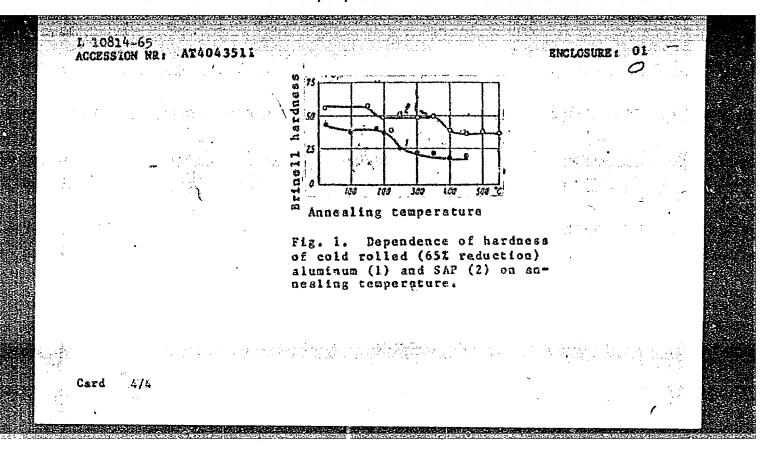
L 10814-65 ACCESSION NR: AT4043511

begin at the same temperature as in pure aluminum, i.e., at 200-225C, whereas the grain growth begins at 350-375C owing to the retarding action of Al203 particles. Accordingly, the hardness-annealing temperature curve shows hardness drops at 200-250C and at 350-400C (see Fig. 1 of the Enclosure). The x-ray diffraction patterns showed that heating of cold-rolled SAP to 250C is accompanied by a diminishing of scattering caused by texture. Heating to 4500 almost completely eliminates the texture maxima. The x-ray diffraction patterns of hot-rolled SAP are identical to those of extruded billets. Only at 625C, i.e., close to the melting point of sluminum, does the texture scattering increase, indicating what is apparently the beginning of grain growth. An interesting phenomenon observed during these experiments was a migration of insoluble oxide particles in a solid matrix under the effect of diffusion processes of nuclei growth. The phenomenon is brought about by a redistribution of vacancies occurring under the effect of surface tension. Orig. art. has: 8 figures.

ASSOCIATION: Nauchno-tekhnicheskoye obshchestvo mash nostroitel noy promy shlennosti (Scientific Technical Society of the Machine Construction Industry)

Card 2/4

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ACC NR: AP6033047

SOURCE CODE: UR/0126/66/022/002/0204/0209

AUTHOR: Vaynblat, Yu. M.; Belova, E. P.; Sagalova, T. B.

ORG: None

TITLE: X-ray analysis of the fine structure of AK8 aluminum alloy after hot deformation and subsequent heating

SOURCE: Fizika metallov i metallovedeniye, v. 22, no. 2, 1966, 204-209

TOPIC TAGS: x ray analysis, aluminum alloy property, fine structure, thermal stability, metal deformation, metal recrystallization

ABSTRACT: The authors made a detailed study of the substructure of a hot pressed rod at various points of its cross section and substructure variation during heating. Data were also obtained on the thermal stability of the rod structure during hot deformation. The rod made from AK8 alloy was 50 mm in diameter and was pressed with a drawing factor of $\lambda=15$ at 430° C. The outer layer of the rod (3 to 5 mm thick) recrystallized during heating prior to quenching at 503° C for one hour. Under these conditions, a coarse crystalline annulus formed around the rod. The structure was studied at the center of the cross section, at the center of the recrystallized annulus and 0.5 mm from the surface. This included the original specimen, after heating at 200, 300, 400, 450, 480, 500, 510, 530 and 540°C with subsequent cooling in water. The

Card 1/2

UDC: 539.292:548.73+548.53

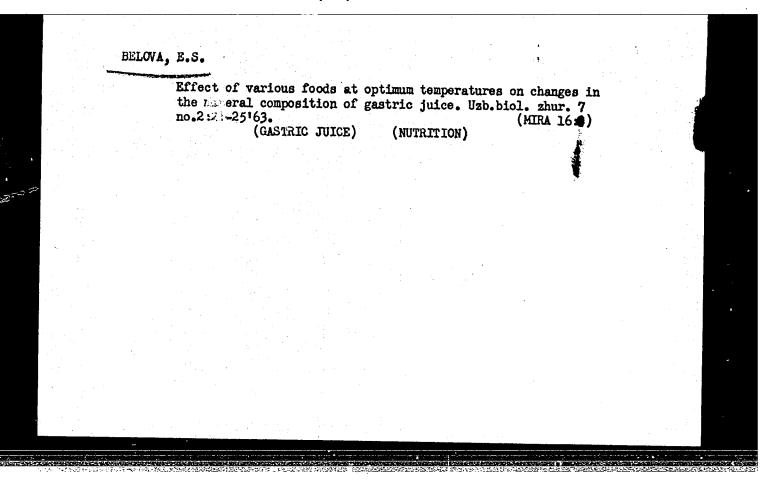
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TURSUNOV, Z.T.; POPOVA, N.G.; BELOVA, R.S.

Effect of various beverages on urine secretion at high temperatures. Izv.AN Uz.SSR.Ser.med. no.4:47-58 '58.

1. Institut krayevoy meditsiny AN UzSSR.

(URINE--SECRETION) (HEAT--PHYSIOLOGICAL EFFECT)

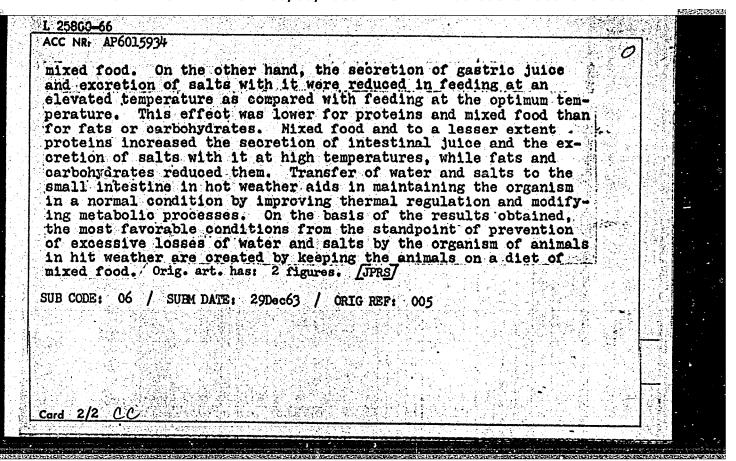


YUNUSOV, A.Yu.; BELOVA, E.S.

Participation of digestive organs in the regulation of waterelectrolyte metabolism under various thermal conditions. Fiziol. zhur. 51 no.3:378-383 Mr '65. (MIRA 18:5)

1. Otdel fiziologii Uzbekskogo instituta krayevoy meditsiny AMN SSSR, Tashkent.

<u>L 25800-66</u> ACC NR: AP601*5*934 SOURCE CODE: UR/0239/65/051/003/0378/0383 AUTHOR: Yunusov, A. Yu.; Belova, E. S. ORG: Department of Physiology, Uzbek Institute of Regional Medicine, AMN SSSR Tashkent (Otdel fiziologii Uzbekskogo instituta krayevoy meditsiny AMN SSSR) TITLE: Participation of organs of digestion in the regulation of the water-salt metabolism under various temperature conditions 20 SOURCE: Fiziologicheskiy zhurnal SSSR, v. 51, no. 3, 1965, 378-383 TOPIC TAGS: digestive system, biologic metabolism, dog, biologic secretion, protein, carbohydrate ARSTRACT: The secretion of saliva, gastric juice, and intestinal juice in the small intestine as well as the content of chlorides, Ca and Na in them were studied on dogs exposed to the effects of high temperatures by keeping them in the sun during hot weather. The secretion of saliva and the loss of Cl-, Ca++, and Na+ with it increased compared with the normal during feeding of the dogs exposed to high temperatures. The increase in the loss of water and salts by salivation as compared with that in connection with feeding at the optimum temperature varied with the type of food: it was greatest for fat, lower for proteins, and still lower for Card 1/2 UDC: 612.015.3+612.



TYUSHWYAKOVA, M.K.; FEDOROV, Yu.V.; ZAGROMOVA, M.S.; HKLOVA, F.S.

Specific properties of cerebral diagnosticum precipitated in methyl alcohol in tick-borne encephalitis. Trudy TomNIIVS 11: 66-71 '60. (MIRA 16:2)

1. Tomskiy nauchno-issledovatel skiy institut vaktsin i syvorotok i Klinika infektsionnykh bolezney Tomskogo meditsinskogo instituta.

(ENCEPHALITIS) (ANTIGENS AND ANTIBODIES)

(COMPLEMENT FIXATION)

MASTENITSA, M.A.; KOROLENKO, G.A.; BELOVA, F.S.

Materials on the study of the 1959 influenza outbreak in Tomsk. Trudy Tom NIIVS 12:101-10 (MIRA 16:11)

1. Tomskiv nauchno-issledovatel skiy institut vaktsin i syvorotok, i Tomskiy meditsinskiy institut.

TSELISHCHEV, A.M.; BELOVA, F.S.

Serum diagnosis and therapy for the acute period of tick-borne encephalitis. Trudy TomNIIVS 14:35-41 '63. (MIRA 17:&)

1. Klinika infektsionnykh bolezney Tomskogo meditsinakogo instituta.

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ZAIETAYEVA, R.P., kand.tekhn.nauk; Prinimala uchastiye: EELOVA, G.A., tekhnik

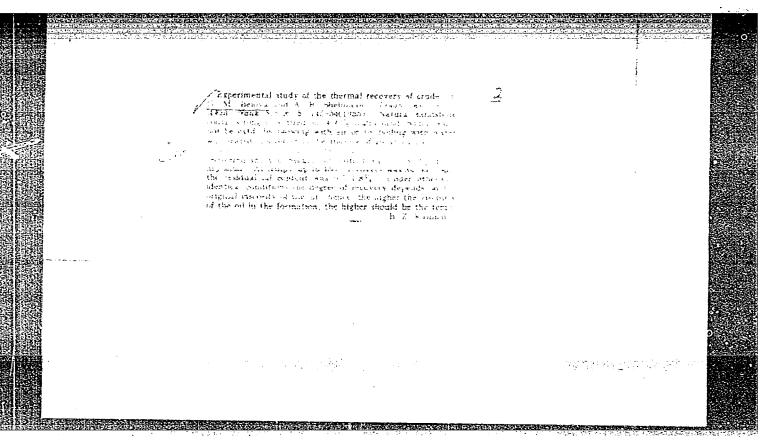
Properties of cast, nickel-base, heat-resistant alloys. [Trudy]
TENTITMASH 105:165-175 '62. (MIRA 15:8)

(Nickel alloys-Thermal properties)

ISAKOVA, N.A.; POLIKARPOVA, V.F.; MOGILEVSKAYA, R.A.; REMIZ, Z.K.; BELOVA, G.A.; FIKHTENGOL'TS, V.S.; GARMONOV, I.V., red.; MYASNIKOVA, L.B., red.

[Analysis of the products of the synthetic rubber industry]
Analiz produktov proizvodstva sinteticheskikh kauchukov.
Moskva, Khimiia, 1964. 315 p. (MIRA 17:12)

1. Leningrad. Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskogo kauchuka.



KATSOBASHVILI, Ya.R.; BELOVA, G.M.; CHURAYEVA, G.D.

Interaction of water vapor with coke deposits on catalysts for the process of destructive hydrogenation under low pressure. Zhur.-prikl.khim. 36 no.1:160-166 Ja '63. (MIRA 16:5) (Coke) (Catalysts) (Hydrogenation)

VINNIK, M.I.; RYABOVA, R.S.; BELOVA, G.V.

Kinetics and mechanism of reactions in concentrated solutions of strong acids. Part 4: Kinetics of dehydration of o-3',4'-dimethylbenzoylbenzoic acid in concentrated solutions of sulfuric acid.

Zhur.fiz.khim. 36 no.5:942-950 My '62. (MIRA 15:8)

1. Institut khimicheskoy fiziki, AN SSSR.

(Benzoic acid) (Dehydration (Chemistry))

L 24184-65 EWT(m)/EPF(c)/EWP(j)/T Pc-4/Pr-4 RPL RM

ACCESSION NR1 AP5003830

5/0190/65/007/001/0088/0093

AUTHOR: Berlin, A. A.; Sherle, A. I.; Belova, G. V.; Boreyev, O. H.

TITLE: Synthesis and investigation of polymeric complexes formed in B the reaction of tetracyanoethylene with powdered metals

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 7, no. 1, 1965, 88-93

TOPIC TAGS: coordination polymer, polytetracyanoethylene, terracyano-

ABSTRACT: Communication 58 of the series "Polymers with a Conjugated System" reports the preparation of copper, iron, and magnesium tetracyanoethylene (TCE) coordination polymers and metal-free polytetracyanoethylene. They were made by reacting TCE with copper, iron, magnesium, or bronze in a 2/1 molar ratio in nitrobenzene in a stream of argon at 210C for 10 hr. All the coordination polymers obtained were infusible black powders, insoluble in the common organic solvents but soluble in concd H2SO4. The copper-containing polymer was stable in H2SO4, but the magnesica-containing polymer lost the metal to form

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L 2/18/1-55

ACCESSION NR: AP5003830

a metal-free polytetracyanoethylene which behaves like polymerisation-prepared polytetracyanoethylene. Thermal-oxidative degradation curves assigned to the nolymers. A porphyrazine structure was a formulae. Orig. art. has: 3 figures. 1 table, and [SM]

A550CIAYION: Institut thimicheskoy fiziki AN SSSR (Institut of Chemical Physics, AN \$93E)

1. Nar64

A60C: 30 SUB CODE: OC, GC

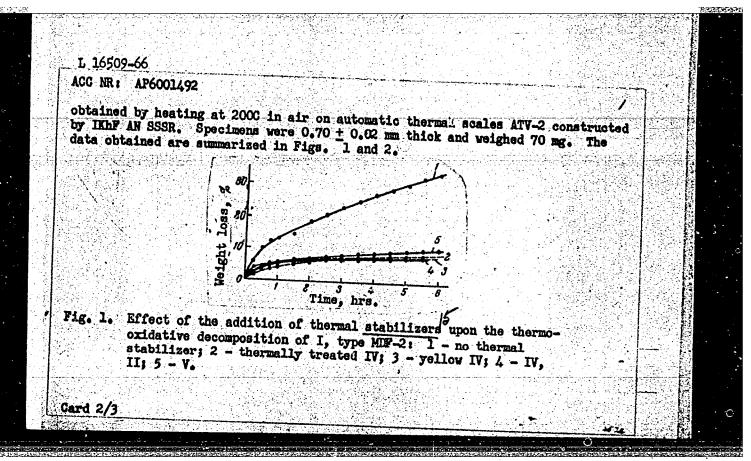
1. Nar64

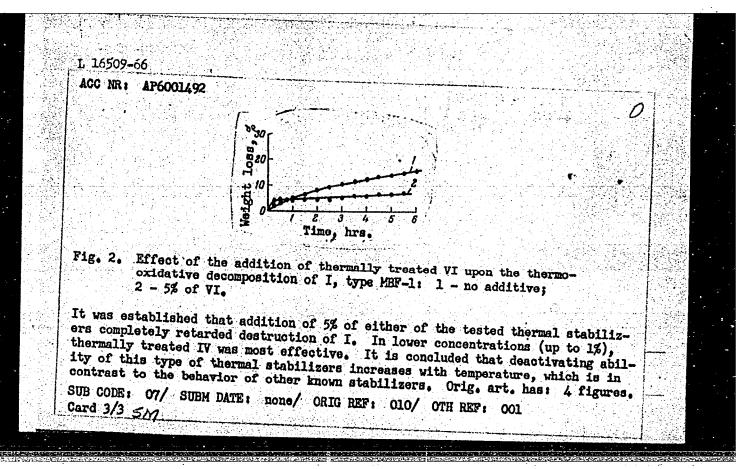
Card 2/2

	PR: AP5019562	G. V.; Sel'skaya	UR/0191/65/000/00 678.766.2.01:536	08/0003/0005 1495:543.872 48	
TITLE: Stu system	dy of the thermal-oxid	dative degradation	on of polymers with a c	onjugation 8	
SOURCE: P1	asticheskiye massy, no	o. 8, 1965, 3 - 5		1)
TOPIC TAGS:	المعارية فينطوري أوالمديري ودائع يحاري والمديدة		conductor; semiconduct	ing polymer,	
	thermogravimetric etu	idy has shaim th		e stability	
For example	the weight location	one borabuenate	ne and polyphenylvinyl	ene type.	
For example 5%. It is processes, por segments	, the weight loss in p postulated that on hea processes are also pos	olyphenylene hel ting these polym sible which invo	ne and polyphenylvinyl d for 9.5 hr at 400C d ers, in addition to de lve cross-linking and	ene type. id not exceed gradation the formation	
For example 5%. It is processes, pof segments mers. The s	, the weight loss in p postulated that on hea processes are also pos with condensed rings. authors express their	olyphenylene hel ting these polym sible which invo This increases	ne and polyphenylvinyl d for 9.5 hr at 4000 d	ene type. id not exceed gradation the formation f such poly-	

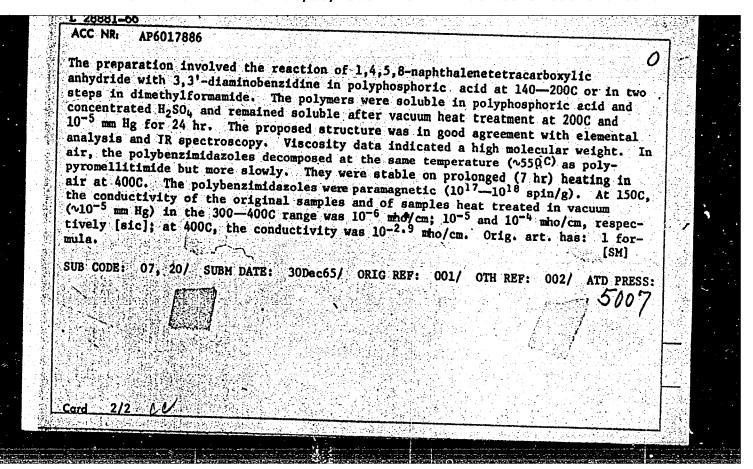
ACCESSION NR: AP5019562		
ASSOCIATION: none		0
SUBMITTED: 00	ENCL: 00	SUB CODE: OC.GC
NO REF SOV: 008	OTHER: 005	ATD PRESS:4069
Card 2/2 /9P		

L 16509-66 EWT(m)/EWP(j)/T/STG(m)-6, WW ACC NR: AP6001492 (A) SO		
목표가 하면 하면 가게 없다는 것이 모르고 있었다. 그렇게 살아왔다.	URCE CODE: UR/0191/65/000/012/0008/0010	
AUTHORS: Berlin, A. A.; Korolev, G. V.; Belova, G. V.	Makhonina, L. I.; Sel'skaya, O. G.;	
ORG: none	150 C 52	
TITLE: Effect of conjugated polymers upor and thermal stability of the produced polymers	n polymerization of oligoesteracrylates	
SOURCE: Plasticheskiye massy, no. 12, 190	하는 사람이 되는 사람들은 사람들이 가장 가장 하는 것이 되는 것이 없는 것이 없는 것이 없는 것이 없다. 그렇게 함께 함께 다른 사람들이 없는 것이 없는 것이 없는 것이다.	
TOPIC TAGS: oligomer, thermal decomposition polymer, polyester plastic, polymerization MDF-2 polyesteracryl	on stabilizer additive, conjugated	
BSTRACT: Thermal stability of three-dimentudied by using conjugated thermostabilizations (III)	nsional polyesteracrylate (I) was ers: polyphenylene (II), polyazo- polytolane (V), anthracene (VI), and	A STATE OF THE STA
ormed according to the method described b 1, 1963). Kinetic curves of the thermal-		

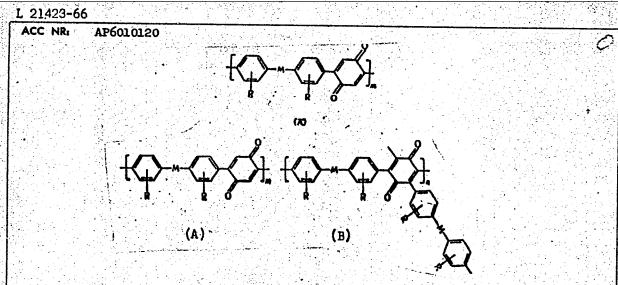




28881_66 EWP(j)/EWT(m)/T IJP(c) RM/WW ACC NR: AP6017886 SOURCE CODE: UR/0062/66/000/005/0945/0945 AUTHOR: Berlin, A. A.; Liogon'kiy, B. I.; Shamrayev, G. M.; Relova, G. V. ORG: Institute of Chemical Physics, Academy of Sciences SSSR (Institut khimicheskoy fiziki Akademii nauk SSSR) TITLE: New high-thermal-stability polymers with semiconducting properties: poly[aroylenebis(benzimidazoles) SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 5, 1966, 945 TOPIC TAGS: organic semiconductor, semiconducting polymer, heat resistant polymer, New high-thermal-stability polybenzimidazoles - poly[naphthoylenebis-(benzimidazoles)] - have been prepared which show high electrical conductivity at elevated temperatures: Card 1/2 UDC: 542.91+541.6+541.67



	AP6010120 (A) SOURCE CODE: UR/0190/66/008/003/0540/0543	
AUTHOR:	Berlin, A. A.; Ragimov, A. V.; Liogon'kiy, B. I.; Belova, G. V.	
ORG: <u>I</u>	nstitute of Chemical Physics, AN SSSR (Institut khimicheskoy fiziki AN SSSR)	
TITLE:	Synthesis and investigation of polyarylenequinones	が 127 7名
SOURCE:	Vysokomolekulyarnyye soyedineniya, v. 8, no. 3, 1966, 540-547	
TOPIC T	GS: organic semiconductor, semiconducting polymer, heat resistant polymer, lange resin, redox agent	
TOTAL DE	: New polyarylenequinones exhibiting redox and ion-exchange properties in prepared by the reaction of p-benzoquinone with various bisdiazotized	音
2,2'-b	diamines. The diamines used were <u>benzidine</u> 1(polymer I), o-tolidine (II), nzidinedisulfonic acid (III), and 4,4'-diamino-2,2'-stilbenedisulfonic). The polymer had linear (A) or network structures (AB):	
2,2'-b	mzidinedisulfonic acid (III), and h.h.diamino 2 21 ctilberation.	
2,2'-b	mzidinedisulfonic acid (III), and h.h.diamino 2 21 ctilberation.	
2,2'-b	mzidinedisulfonic acid (III), and h.h.diamino 2 21 ctilberation.	



where M is -CH=CH- or absent. Structures A were obtained in the case of equimolar benzoquinone/amine ratios, and structures AB, in the case of excess amine. The polymers were light- to dark-brown powders. I and II were partly soluble in acetone, dimethylformsmide, pyridine, nitrobenzene, quinoline, conc. H₂SO₄, and aqueous alkalies Sulfonic acids III and IV were scluble or swelled in water, ethyl alcohol, dimethylformsmide, and pyridine. Number-average molecular weights of the soluble fractions of I and II were 900-1500. It was shown that the reaction of benzoquinone with salts of aromatic or bisdiazo (as well as diazo) leads to the reduction of part of Cord 2/3

(SM) RESS: 21

BELOVA, I.F.; (Moskva); ZHELTOV, Yu.V. (Moskva); ZHELTOV, Yu.P. (Moskva)

Motion of suspensions in narrow horizontal cracks. PMTF no.2:136-140
Mr-Ap '65. (MIRA 18:7)

BELOVA, I.F., gornyy inzh.

Hydraulic fracturing of a coal seam with a radius of the extent of cracks of more than 100 meters. Ugol' 40 no.2:59-60 F '65. (MIRA 18:4)

BELOVA, I. M.

"An Experimental Investigation of the Effectiveness of Biological Elimination of Eacteria Which Cause Intestinal Infections From Sewage." Cand Med Sci, Central Inst for the Advanced Training of Physicians, 7 Dec 54. (VM, 24 Nov 54)

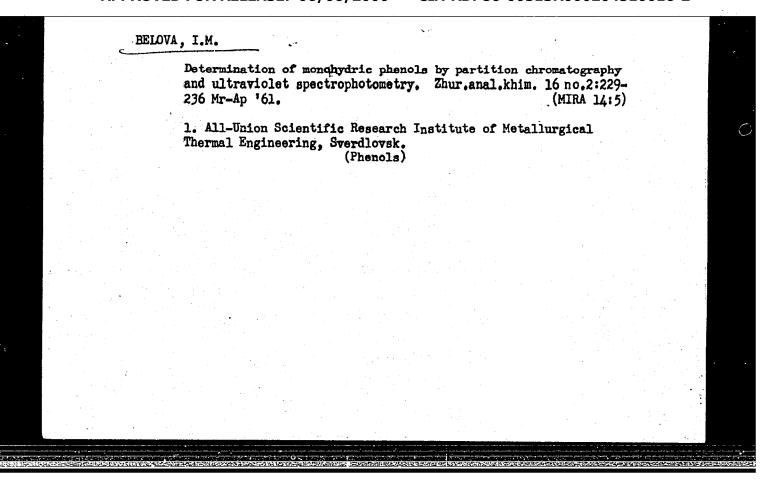
Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No. 521, 2 Jun 55

KIBAL'CHICH, I.A.; BELOVA, I.M.; BRUK, Ye.S.; SOSUNOVA, I.N.; GUTKOVSKAYA, A.I.; ZHAKOV, Yu.A.; TIMOFEYEVA, T.Z.

Sanitary evaluation of the consequences of flooding tree plantations during the construction of reservoirs. Gig.i san. 25 no.1: 15-20 Ja '60. (MIRA 13:5)

1. Iz Moskovskogo nauchno-issledovatel skogo instituta sanitarii i gigiyeny imeni F.F. Erismana Ministerstva ziravookhraneniya RSFSR. (WATER RESOURCES DEVELOPMENT--HYGIENIC ASPECTS)



ALIYEVA, G.S.; TRUZHENIKOVA, L.G.; BELOVA, I.N.

Synthesis of an isopropylidene and benzylidene derivative of glycerol monochlorohydrin. Zhur.ob.khim. 32 no.11:3634-3635 N '62. (MIRA 15:11)

1. Leningradskiy tekhnologicheskiy institut imeni Lensoveta.

(Propanediol)

GINZBURG, Vera Moiseyevna; BELOVA, Inessa Nikolayevna; ALEKSANDROVA, A.A., red.; SMUROV, B.V., tekhn.red.

[Calculation of parabolic antennas] Raschet parabolicheskikh antenn: Izd-vo "Sovetskoe radio," 1959. 249 p. (MIRA 13:2) (Antennas (Electronics))

BELOVA, I. N.

V. M. Ginzburg, I. N. BELOVA: "Computation of the directivity pattern of image antennas." Scientific Session Devoted to "Radio Day", May, 1958, Trudrezervizdat, Moscow, 9 Sep. 58

A method is proposed to compute the directivity pattern of image antennas with beam hunting on an electronic digital computer.

Results are presented of a computation of the BESM of the spatial amplitudes and phases of the directivity pattern of parabolic antennas for the main and cross-polarization field components. The results of the computation of the amplitude patterns for the main polarization are confirmed experimentally to hunting angles of 30° for a beam width of about 1.

Universal dependences of the direction of the fundamental maximum, the side lobe levels, beam width, drop in gain, phase at the maximum and width of the vector directivity patterns on the displacement of the emitter from the focus are constructed for various antenna parameters for hunting angles which do not

exceed ten times the beam width.

Activities of galenical and pharmaceutical plants. Apt. delo 10 no.4:
46-50 Jl-Ag '61. (DRUG INDUSTRY)

(DRUG INDUSTRY)

MURAVEYSKAYA, V.S.: BELOVA, I.P.

Histopathological changes in animal organs following the administration of crystallomycin. Antibiotiki 4 no.1: 87-92 Jauf '59. (MIRA 12:5)

1. Institut po izyskaniyu novykh antibiotikov ANN SSSR.

(ANTIBIOTICS, eff.

crystallomycin, histopathol. aspects (Rus))

BELOVA, I.P.

Histopathological changes in the gastrointestinal mucosa following peroral administration of colimycin. Antibiotiki 4 no.5:72-74 S-0 159. (MIRA 13:2)

J

1. Laboratoriya eksperimental'nogo izucheniya lechebnykh svoystv novykh antibiotikov Instituta po izyskaniyu novykh antibiotikov AMN SSSR.

(ANTIBIOTICS pharmacol.)
(GASTROINTESTINAL SYSTEM pharmacol.)

Histochemical investigation of the thyroid gland during its destruction by radioactive iodine [with summary in English]. Arkh. anat.gist. 1 embr. 36 no.2:22-29 F '59.

1. Laboratoriya endokrinologii (zav. - prof. Ya.M. Kabak) Moskovskogo Universiteta ineni M.V. Lononosova.

(THIROID GLAND, eff. of radiation, radioiodine, histochem. changes during destructive processes (Rus))

(IODINE, radioactive, thyroid gland, destruction, histochem. aspects (Rus))

BELOVA		T	Ð
DELUVA	•	1.	. F.

Histological changes in animal organs following the administrations of monomycin. Antibiotiki 5 no.4:29-33 J1-Ag '60. (MIRA 13:9)

1. Laboratoriya eksperimental'nogo izucheniya lechebnykh svoystv novykh antibiotikov (zav. prof. V.A. Shorin) Instituta po izyskaniyu novykh antibiotikov AMN SSSR.

(ANTIOBIOTICS)

SHORIN, V.A.; GOL'DBERG, L.Ye.; MURAVEYSKAYA, V.S.; PEVZNER, N.S.; SHAPOVALOVA, S.P.; KUNRAT, I.A.; BELOVA, I.P.; KREMER, V.Ye.; FILIPPOS'YAN, S.T.

Study of the antibacterial activity, toxicity and medicinal properties of methanesulfonates of monomycin and colimycin. Antibiotiki 6 no.10:897-904 0 '61. (MINA 14:12)

1. Institut po izyskaniyu novykh antibiotikov AMN SSSR. (ANTIBIOTICS) (METHANESULFONIC ACID)

GOL'DHERG, L.Ye.; VERTOGRADOVA, T.P.; KUNRAT, I.A.; KREMER, V.Ye.; BELOVA, I.P.

Effect of antibiotic 6613 on the bodics of laboratory animals.

Antibiotiki 7 no.2:168-174 F *62. (MIRA 15:2)

1. Laboratoriya eksperimental'nogo izucheniya lechebnykh svoystv novykh antibiotikov (zav. - prof. V.A.Shorin) Instituta po izyskaniyu novykh antibiotikov AMN SSSR.

(ANTIBIOTICS)

BELOVA, I.P.; MURAVEYSKAYA, V.S.

Histopathological changes in animal organs following the administration of the antibiotic olivomycin. Antibiotiki 7 no.3:57-59 Mr '62. (MIRA 15:3)

l. Laboratoriya eksperimental'nogo izucheniya lechebnykh svoystv novykh antibiotikov (zav. - prof. V.A. Shorin)
Instituta po izyskaniyu novykh antibiotikov AMN SSSR.

(ANTIBIOTICS—TOXICOLOGY)

GOL'DBERG, L. Ye; ROSSOLIMO, O.K.; STANISLAVSKAYA, M.S.; VERTOGRADOVA, T.P.; BLYUMBERG, N.A.; KREMER, V.Ye.; BELOVA, I.P.

Experimental study of the antitumor activity and effect on the body of antibiotic 323/58. Antibiotiki y no. 10:884-888 0 '62. (MIRA 16:12)

l. Laboratoriya eksperimental'nogo izucheniya lechebnykh svoystv novykh antibiotikov (zav. -- prof. V.A.Shorin) Instituta po izyskaniyu novykh antibiotikov AMN SSSR.

BELOVA, I.P.

Histopathological changes in animal organs and tissues following the administration of ristomycin. Antibiotiki 8 no.52414-417 My*63 (MIRA 17:3)

1. Laboratoriya eksperimental nogo izucheniya lechebnykh svoystv novykh antibiotikov (zav. - prof. V.A. Shorin) Instituta po izyskaniyu novykh antibiotikov AMN SSSR.

BELOVA, I.P.; VERTOGRADOVA, T.P.; STANISLAVSKAYA, M.S.

Effect of kanamycin on various animal organs and peripheral blood. Antibiotiki 9 no.7:610 613 Jl 164.

(MIRA 18:3)

l. Iaboratoriya eksperimental'nogo izucheniya lechebnykh svoystv novykh antibiotikov (zav. - prof. V.A. Shorin) Instituta po izyskaniyu novykh antibiotikov AMN SSSR, Moskva.

PEVZNER, N.S.; SHAPOVALOVA, S.P.; BELOVA, I.P.

Experimental studies on biological properties of the antibiotic 14725 from the ostreogrycin group. Antibiotiki 9 no.9:828-832 S '64. (MIRA 19:1)

1. Laboratoriya po izucheniyu lechebnykh svoystv novykh antibiotikov (zav. - prof. V.A. Shorin) Instituta po izyskaniyu novykh antibiotikov AMN SSSR, Moskva.

KOSTRYUKOVA, L.I., kand. tekhn. nauk; DYN'KINA, M.A., neubnyy sotrudnik; BELOVA, I.S., nauchnyy sotrudnik

Investigating the proness of the drying of shoe cardboard. Nauch.-issl. trudy VNIIPIK no.14:25 48 '63. (MIRA 18:12)

SHLYAKHTENKO, L.I.; SKOVORODNIKOVA, Ye.S.; BUNTE, A.I.; GUREVICH, L.M.; BELOVA, I.V.; SHEINA, N.N.

Detection and dispensary care of dysentery patients for the improvement of sanitary conditions in a large residential area.

Trudy LSCHI 32:287-303 157. (MIRA 12:8)

1. Kafedra epidemiologii (zaw - prof. V.A.Bashenin), kafedra propedevtiki vnutrennikh bolezney (zaw. - prof. S.M.Ryss), kafedra mikrobiologii (zaw. - prof. M.N.Fisher) i kafedra kommunal noy gigiyeny (zaw. - prof. P.K.Ageyev) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.

(DYSENTERY, BACILLARY, prev. & control detection & dispensary serv. (Rus)) (OUTPATIENT SERVICES for dysentery (Rus))

BELOVA, I.V.

0

Indices of the blood coagulation process (fibrinogen, prothrombin, factor V and factory VII) in evaluating the functional state of the liver in Botkin's disease and cirrhosis. Trudy ISGMI no.69:45-51 '61. (MIRA 15:11)

1. Kafedra propedevtiki vnutrennikh sabolevaniy Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (sav. kafedroy - chlen-korrespondent AMN SSSR prof. S.M.Ryss).
(HEPATITIS, INFECTIOUS) (LIVER--CIRRHOSIS) (BLOOD-COAGULATION)

BFLOVA, M.D.; PERMINOV, T.A.; SHRIM; A.H.; BELOVA, K.D.; GOLIKOVA, A.I.

Pea-hydrolysate culture medium in the production of tuberculin.
Trudy Gos.nauch.-kont.inst.vet.prep. 4:98-100 '53. (MLRA 7:10)

1. Kurskaya biofabrika.

(Tuberculin) (Bacteriology--Culture and culture media)

USSR/Microbiology - General Microbiology.

F-l

Abs Jour

: Ref Zhur - Biol., No 15, 1958, 67057

Author

: Govorov, A.M., Ostashko, F.I., Shein, A.N., Belova, K.D.

Insc

: -

Title

: A Synthetic Culture Medium for Growing Tubercular Cultu-

res and for Preparing Tuberculin.

Orig Pub

: Inform. byul. biol. prom-sti, 1957, No 2, 13-14.

Abstract

; No abstract.

Card 1/1

- 3 -

BELOVA, K. /
BELOKOPYTOVA, Ye.V.; ZAYTSHVA, Ye.D.; IVANOVA, V.I.; KUCHERENKO, A.A.;

OVCHINNIKOVA, L.N.; ODINOKOVA, Ye.A.; SHCHUKIN, N.M.;

RHLOVA, K. M.; SOSKOVA, M.S.; DHMIN, P.M., red.; TYIKIN, M.N., red.;

PULIN, L.I., tekhn. red.

[Economy of Tula Province; a statistical manual] Narodnoe khoziaistvo Tul'skoi oblasti; statisticheskii sbornik. [Tula] Tul'skoe knizhnoe izd-vo, 1958. 215 p. (MIRA 11:8)

1. Tula (Province). Statisticheskoye upravleniye. (Tula Province--Statistics)

BRIOVA, K.P.; BOL'SHOVA, K.M.; YELKINA, T.A.

Study of magnetization of ferrite in the Curie point region. Izv. AN SSSR. Ser. fiz. 21 no.8:1047-1054 Ag '57. (MIRA 11:3)

1. Fixicheskiy fakul'tet Moskovskogo gosudarstvennogo universiteta im. M.V. Lomonosova. (Magnetic materials) (Ferromagnetism)

BELOVA, L., kand. tekhn. nauk

New technical equipment in the system of navigational signals for reservoirs. Rech. transp. 24 no. 10:46-47 '65.

(MIRA 18:12)

BEIOVA, L.A., inzh.; MAMIKONYANTS, L.G., doktor tekhn. nauk, prof.; TUTUBALIN, V.N., kand. fiziko-matematicheskikh nauk

Probability of insulation failure in turbogenerator stator windings dependent on the duration of the operation. Elektrichestvo no.4:42-47 Ap '65. (MIRA 18:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut elektroener-getiki.

UR/0413/66/000/013/0020/0020 ACC NR AP6025588 SOURCE CODE: Handel baum, Ya. A.; Belova, L. A.; Soyfer, R. S.; Hel nikov, INVENTOR: N. N. ORG: none TITLE: Preparation of alkylamino-0-alkyl-S-(N-alkylcarbamylmethyl)dithiophosphates, Class 12, No. 183205. [announced by the All-Union Scientific Research Institute of Chemical for Plant Protection (Vsesoyuznyy
nauchno-issledovatel'skiy institut khimicheskikh sredstv zashchity rasteniy)] Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 13, SOURCE: 1966, 20 pesticide, alkylaminodithiophosphate ester, mercapto-TOPIC TAGS: acetamide, phosphote ABSTRACT: |In the proposed method for preparing alkylamino-0-alkyl-S-(N-alkylcarbamylmethyl) dithiophosphates with pesticidal properties, an alkylaminodithiophosphate is treated with alcoholic mercaptoacetamide or with sodium methoxide or sodium ethoxide, in alcohol, with subsequent removal of NaCl by evaporation, washing, and rectification. [W.A. 50: CBE No. 10] 07.04/SUBM DATE: SUB CODE: 08Ju165/ 547.419.1.07 Card 1/1 UDC: