SOV/139-58-4-25/30

AUTHOR: Yevseyev, Z. Ya.

TITLE: Influence of the Magnetic Field on the Conductivity of Metals (Vliyaniye magnitnogo polya na teploprovodnost' metallov)

PERIODICAL: Izvestiya Vysshikh Uchebnykh Zavedeniy, Fizika, 1958, Nr 4, pp 152-157 (USSR)

ABSTRACT: A modified form of the electron kinetic equations of V. P. Shabanskiy (Ref 1) is proposed in order to investigate the mutual interaction of three-dimensional electromagnetic and temperature gradients in a metal. No special orientations of the gradients are assumed so that in general they would have finite mutually orthogonal components. The basic kinetic equations are:-

$$\left.\begin{aligned} &\frac{\partial f_0}{\partial t} + \frac{v}{3}\,\mathrm{div}\,\vec{f}_1 + \frac{e}{p^2}\cdot\frac{\partial}{\partial p}\left(p^2\vec{E}\vec{f}_1\right) + \frac{1}{p^2}\,\frac{\partial}{\partial p}\left(p^2 S'\right)=0, \\ &\frac{\partial \vec{f}_1}{\partial t} + v\,\mathrm{grad}\,f_0 + e\vec{E}\,\frac{\partial f_0}{\partial p} + \frac{e}{mc}\left[\vec{H},\vec{f}_1\right] + \frac{v}{L}\,\vec{f}_1 = 0 \end{aligned}\right\} \quad (1)$$

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Influence of the Magnetic Field on the Conductivity of Metals

In these equations f_0 and $\vec{f}_1$ represent the scalar and vector parts respectively of the electron distribution function:

$$f = f_0(\kappa) + \frac{\vec{\kappa}}{\kappa} \vec{f}_1(\kappa) - \qquad (2)$$

$\vec{\kappa}$ is the wave vector;
v,e,m are respectively the electronic velocity, charge and mass;
$\vec{E}$, $\vec{H}$ are respectively the electric and magnetic fields;
$\vec{p}$ is the electronic momentum, related to the wave vector by $\vec{p} = \frac{h}{2\pi}\vec{\kappa}$;
S' is an operator defined by Eq.(3) of the text, namely:

$$S' = -\frac{p^2 v^2}{\ell \kappa T} f_0(1 - f_0) - \frac{m p v_s^2}{\ell} \cdot \frac{\partial f_0}{\partial p} \qquad (3)$$

v_s is the velocity of sound in the metal lattice;
L, ℓ are linear parameters of the lattice;
all other symbols have their standard meanings.

Card2/4

Influence of the Magnetic Field on the Conductivity of Metals

It is seen that the temperature variable enters into Eqs.(1) via the operator S' and the distribution function. These equations are solved for the postulated (arbitrary) field and temperature gradients and a Fermi electron law. From these solutions and the standard heat-flow equations it follows that the thermal conductivity k may be represented as follows:

$$k = k_0\left(\gamma + \frac{\delta}{P} + \frac{\lambda}{P^2}\right)\left(\frac{\partial T}{\partial x}\right)^2 \qquad (23)$$

Here $k_0 = \frac{\eta^2 n \kappa^2 TL}{3 mv}$ and is the classical Sommerfeld thermal conductivity in standard notation; the coefficients γ, δ, λ stand for rather complicated statistical mechanical functions of the electron gas; P is essentially a measure of the field strength. From Eq.(23) it is seen that for weak fields the conductivity behaves essentially as the inverse square of the field and for strong fields it behaves essentially as the inverse of the field itself.

SOV/139-58-4-25/30

Influence of the Magnetic Field on the Conductivity of Metals

There are 2 references, both of which are Soviet.

ASSOCIATION: Donetskiy industrial'nyy institut
(Donets Industrial Institute)

SUBMITTED: December 18, 1957

Card 4/4

81641
S/181/60/002/06/30/050
B006/B056

24.7700

AUTHOR: Yevseyev, Z. Ya.

TITLE: The Band Structure of the Polaron Energy Spectrum

PERIODICAL: Fizika tverdogo tela, 1960, Vol. 2, No. 6, pp. 1222 - 1223

TEXT: M. Sh. Giterman and K. B. Tolpygo (Ref. 1) made the attempt of calculating polaron band widths for the crystals NaCl, KCl, KBr, and KI. They arrived at the conclusion that for polarons of a large radius the band structure of the energy spectrum is insignificant as the forbidden bands are very narrow and, besides, the allowed bands overlap. It was the aim of the present paper to improve and extend the results obtained in Ref. 1. Whereas the investigations in Ref. 1 are restricted to the cutoff frequency of longitudinal optical oscillations of ions, the present paper takes the dispersion of these oscillations into account. Moreover, contrary to Ref. 1, the quadratic dependence of the coefficients of the Fourier expansion of the dipole moments (occurring at the lattice points under the action of the polaron field) upon the wave-vector modulus is taken into account. Also the accuracy of calculations is higher; it is assumed, like

Card 1/2

The Band Structure of the Polaron Energy Spectrum

in Ref. 1, that at low energies, the electron moves only toward positive ions. The results obtained by calculations are given in Table 2. For the half-widths of the forbidden bands the following is obtained (in 10^{-4} ev): NaCl:-148.867871, KCl:-1.26875915, KBr:-0.98985333. For KCl and KBr, the results of the present paper, as shown by a comparison, deviate only little from those of Ref. 1. This shows that consideration of the dispersion and the inclusion of more terms of the Fourier expansion is unimportant. The author finally thanks K. B. Tolpygo, at whose suggestion and under whose supervision the investigation was carried out. There are 2 tables and 2 Soviet references.

ASSOCIATION: Donetskiy industrial'nyy institut, Stalino (Donets Industrial Institute, Stalino)

SUBMITTED: December 26, 1959

X

Card 2/2

S/181/62/004/012/041/052
B125/B102

AUTHORS: Yevseyev, Z. Ya., and Tolpygo, K. B.

TITLE: The wave function and the energy of a NaCl crystal incorporating an excess electron

PERIODICAL: Fizika tverdogo tela, v. 4, no. 12, 1962, 3644-3653

TEXT: The method developed by K. B. Tolpygo (UFZh, 2, 242, 1957; FTT, 4, 3644, 1962) for the investigation of crystals incorporating an excess electron is extended to NaCl crystals in the many-electron variant with orthogonalized functions λ_s. Here differing from K. B. Tolpyo (FTT, 4, 3644, 1962), the polarization energy is taken into account in the diagonal matrix elements only. All exchange integrals are calculated directly from the wave functions obtained by D. R. Hartree, W. Hartree (Proc. Roy. Soc. A., 193, 299, 1948). The functions λ_s (which describe the motion of the excess electron in the vicinity of the s-th crystal site) can be completely orthogonalized using the ψ-functions of the inner electrons of the

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The wave function and the ...

neighbors. For the matrix elements $H_s = H_{ss}^{11} = \int \bar{\Phi}_s^1 \hat{H} \bar{\Phi}_s^1 \, d\tau$ one obtains

$$H_s = A_s^2 \Big\{ \int \chi_s^l(\rho) \hat{H}_s^l(\rho) \chi_{s'}^{l'}(\rho) \, d\tau - \sum_{s'l'k} |a_{ss'k}^{ll'}|^2 \varepsilon_{s'k} + \int \chi_s^l(\rho) \Big[V_{sM}^l(\rho) - \frac{1}{2} \tilde{V}_{ssGm}^l(\rho) \Big] \chi_s^l(\rho) \, d\tau + \int \chi_s^l(\rho) \Big[V_{s'M}^{l'}(\rho) - \frac{1}{2} \tilde{V}_{s'sGm}^{l'}(\rho) \Big] \psi_{s'k}^{l'} a_{ss'k}^{ll'} \, d\tau + 2 \sum_{s'l'k} \int \chi_s^l(\rho) \Big[V_{s'M}^{l'}(\rho) - \frac{1}{2} \tilde{V}_{s'sGm}^{l'}(\rho) \Big] \psi_{s'k}^{l'} \, d\tau + V_{ssAsp} + \sum_{s'l'k} \int \psi_{s'k}^{l'} \Big[V_{sM}(\rho) - \frac{1}{2} \tilde{V}_{ssGm}(\rho) \Big] \quad (13).$$

using

$$\left. \begin{aligned} \int \chi_s^l \hat{H}_s^{l'} \psi_{s'k}^{l'} \, d\tau &= -\varepsilon_{s'k} a_{ss'k}^{ll'}, \\ \int \psi_{s''k'}^{l''} \hat{H}_s^{l'} \psi_{s'k}^{l'} \, d\tau &= \varepsilon_{s'k} \delta_{kk'} \delta_{l'l''} \delta_{s's''}. \end{aligned} \right\} \quad (14)$$

Card 2/4

The wave function and the

After a lengthy calculation $\int \chi_1 \hat{H}_1^1 \chi_1 \, d\tau = 0.1534$ follows from (14) and $H = 0.2322$ when all the components are taken into account. After numerical calculations in elliptic coordinates the values $H_{1,1}^{a\sqrt{2}} = 0.000299$; $H_{22}^{a\sqrt{2}} = -0.005976$ and $H_{12}^{a} = 0.036613$ are obtained from the general formula

$$H_{ss'}^{ll'} = A_s A_{s'} \left\{ \int \chi_s^l \hat{H} \chi_{s'}^{l'} d\tau + \sum_{s''l''k} a_{ss''}^{ll''k} \int \chi_{s'}^{l'} \hat{H} \psi_{s''k}^{l''} d\tau + \right.$$
$$\left. + \sum_{s''l''k} a_{s's''}^{l'l''k} \int \chi_s^l \hat{H} \psi_{s''k}^{l''} d\tau + \sum_{s''l''k} a_{ss''}^{ll''k} a_{s's''}^{l'l''k} \int \psi_{s''k}^{l''} \hat{H} \psi_{s''k}^{l''} d\tau \right\}, \quad (18)$$

for the nondiagonal elements (in this formula it is sufficient to sum up over the most adjacent neighbors of the ions at l_s and $l'_{s'}$). V_{sM}^{l} denotes the Madelung potential. By calculating the nonorthogonality integrals

$$C_{11}^{a\sqrt{2}} = 0.02236; \quad C_{11}^{2a} = 0.00816; \quad C_{22}^{a\sqrt{2}} = 0.00638,$$
$$C_{12}^{a} = -0.16454; \quad C_{12}^{a\sqrt{3}} = 0.001006. \quad (25)$$

Card 3/4

The wave function and the ...

is obtained. After simplifying the formula for the Hamiltonian

$$\hat{H}=\int \Psi^{*}\hat{H}\Psi d\tau=\sum_{\alpha''\alpha'} H^{\alpha''}_{\alpha'} b^{+}_{\alpha'} b^{\alpha''} \qquad (4),$$

the coefficients A(k), B(k) and C(k) are expanded in a power series of k (up to k^2 inclusively). The result is $E(k) = 0.04799 + 0.042117\ k^2$. The energy minimum lies in the center of the band E(C) = 1.30 ev and the effective mass $\mu/m = 0.42$ follows from the quadratic term $E(k) = 0.04799 + 0.042117\ k^2$. The band width is found to be ~5.6 ev and the function E(k) is strongly anisotropic. There are 1 figure and 2 tables.

ASSOCIATION: Kiyevskiy gosudarstvennyy universitet im. T. G. Shevchenko (Kiyev State University imeni T. G. Shevchenko)

SUBMITTED: July 16, 1962

Card 4/4

YEVSEYEV, Z.Ya.

Wave function and energy of NaCl crystals with excess (bnad) electrons. Fiz. tver. tela 5 no.8:2345-2351 Ag '63. (MIRA 16:9)

1. Donetskiy politekhnicheskiy institut.
(Wave mechanics) (Crystallography)

SOURCE CODE: UR/0181/67/009/001/0003/0009

ACC NR: AP7005315

AUTHOR: Yevseyev, Z. Ya.; Tolpygo, K. B.

ORG: Donets Polytechnic Institute (Donetskiy politekhnicheskiy institut)

TITLE: Microscopic theory of F centers in an NaCl crystal

SOURCE: Fizika tverdogo tela, v. 9, no. 1, 1967, 3-9

TOPIC TAGS: color center, sodium chloride, wave function, ground state, crystal vacancy, polaron, electron paramagnetic resonance

ABSTRACT: The authors calculate the energy of the ground state of the F-center electron in an NaCl crystal and the values of the wave functions $|\psi(0)|^2$ at the first three coordination spheres, using a procedure described by one of the authors earlier (Tolpygo, UFZh v. 2, 242, 1957), but with a better choice of bases quasiatomic functions, obtained in an earlier paper by the other author (Yevseyev, FTT v. 5, 2345, 1963). The wave function of excess electron is sought in the form of a linear combination of quasiatomic functions centered relative to the lattice points and orthogonal to the wave functions of the internal electrons and to the wave functions of the surroundings. A value of -5.1 ev is obtained for the energy of the ground state and is used to calculate the energy of thermal dissociation of the F center into a vacancy and a polaron. The value obtained for the dissociation energy (1.915 ev) agrees well with published experimental data. The calculated values of $|\psi(0)|^2$ also agree with the experimental data on the hyperfine splitting of the parmagnetic reso-

Card 1/2

ACC NR: AP7005315

nance line, with the exception of the first coordination sphere. The authors thank A. B. Roytsin for consultation on experimental methods for determining $|\psi(0)|^2$. Orig. art. has: 17 formulas and 4 tables.

SUB CODE: 20/ SUBM DATE: 28Mar66/ ORIG REF: 013/ OTH REF: 010

Card 2/2

YEVSEYEV-SIDOROV, A.I.

Aerofotos'yemka. (Aerial Photography), by A. I. Yevseyev-Sidorov and Ya. L. Ziman, Moscow, Geodezizdat, 1956, 251 pp

This is a new textbook for a course in aerial surveying for the training of navigator-aerial surveyors, for use in the curriculum of special educational institutions. It embraces the basic theories of air pilotage in aerial surveying and, in addition, presents a description of navigational and surveying equipment used in this work.

SUM 7305

SIDOROV, Aleksandr Ivanovich; ZIMAN, Yan L'vovich; STRUKOV, V.V. redaktor; VASIL'EVA, V.I., redaktor izdatelstva; KUZ'MIN, G.M., tekhnicheskiy redaktor

[Aerial photography] Aerofotos"emka. Moskva, Izd-vo geodez. lit-ry, 1956. 258 p. (MLRA 10:5)
(Photography, Aerial)

YEVSEYEVA, A., TRUSHKINA, A., VAS'KINA, P., MIKHEYEVA, T.

Here's what collective farm women of Ryazan Province say.
Zdrav.Ros. Fed. 2 no.10:18-19 O '58 (MIRA 11:10)

1. Kolkhoz "Den' 9 yanvarya" Karablinskogo rayona (for Yevseyeva). 2. Kolkhoz imeni V.I. Lenina (for Trushkina). 3. Kolkhoz "Krasnoye znamya" Spasskogo rayona (for Vas'kina). 4. Kolkhoz "Progress" Sasovskogo rayona (for Mikheyeva).
(RYAZAN PROVINCE--DAY NURSERIES)

DUDENKOV, S.; LIVSHITS, A.; PASHOVKIN, A.; YEVSEYEVA, A.; BARLAUKHOV, M.; VARTANYANTS, S.; RABINOVICH, M.

Results of the industrial tests of the OPSB frother at the Kadzharan ore-dressing plant. Prom.Arm. 5 no.9:41-45 S '62. (MIRA 15:9)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut tsvetnykh metallov (for Dudenkov, Livshits). 2. Nauchno-issledovatel'skiy gornometallurgicheskiy institut Soveta narodnogo khozyaystva Armyanskoy SSR (for Pashovkin). 3. Kadzharanskiy kombinat Soveta narodnogo khozyaystva Armyanskoy SSR (for Yevseyeva, Barlaukhov, Vartanyants, Rabinovich).

(Kadzharan--Ore dressing--Equipment and supplies)

SHILOV, B.M.; KARMANOV, V.V.: BAGRAMOV, E.S.; YEVSEYEVA, A.M.; LUKOMSKIY, I.K.; ROTOVA, M.N.; BELOVA, L.G.; MARTYNOV, V.I.; obshchiy red.; SHILOV, P.D., red.; VENGERSKAYA, S.R., tekhn.red.

[Economy of Daghestan A.S.S.R.; statistical collection] Narodnoe khoziaistvo Dagestanskoi ASSR; statisticheskii sbornik. Makhachkala, Dagstatizdat, 1958. 119 p. (MIRA 12:12)

1. Daghestan A.S.S.R. Statisticheskoye upravleniye. 2. Statisticheskoye upravleniye Dagestanskoy ASSR (for B.M.Shilov, Karmanov, Bagramov, Yevseyeva, Lukomskiy, Rotova, Belova). 3. Nachal'nik Statisticheskogo upravleniya Dagestanskoy ASSR (for Martynov).
(Daghestan--Statistics)

MARTYNOV, V.I.; SHILOV, B.M.; KARMANOV, V.V.; YEVSEYEVA, A.M.; LUKOMSKIY, I.K.; MIKHAYLOVA, T.N.; CHEKMAREVA, M.M.; VENGERSKAYA, S., tekhn.red.

[Soviet Daghestan in 40 years; statistical collection] Sovetskii Dagestan za 40 let; statisticheskii sbornik. Makhachkala, Gosstatizdat, 1960. 157 p. (MIRA 13:8)

1. Daghestan A.S.S.R. Statisticheskoye upravleniye. 2. Nachal'nik Statisticheskogo Upravleniya Dagestanskoy ASSR (for Martynov).
(Daghestan--Statistics)

SHCHERBATENKO, V.V.; GOGOBERIDZE, N.I.; GOLUBEV, N.A.; FIRSOVA, A.V.; NIKOLAYEVA, N.N.; YEVSEYEVA, A.M.; KONTORSKAYA, Z.D.

Development of optimum systems for baking different wheat bread varieties in order to improve their taste and flavor characteristics. Trudy TSNIIKHP no.10:43-52 '62. (MIRA 18:2)

YEVSEYEVA, A.P.

S/024/60/000/04/011/013
E140/E463

AUTHORS: Yevseyeva, A.P. and Karybskiy, V.V. (Moscow)

TITLE: On Choice of Segments for Linear Interpolation in a Digital Machine-Tool Control

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Energetika i avtomatika, 1960, No.4, pp.179-183

TEXT: For contour machining with the contour given by mathematical curves passing through given points, the contour may be divided into segments over which a linear interpolation will produce a polygonal contour with deviation from the prescribed contour less than a prescribed error. The object of the present paper is to find the optimal segmentation, i.e. one with the least number of segments. An exact solution is first found, which is however too cumbersome for practical use. An approximate solution is then found which comes within 20% of the exact solution. The flow diagram of the programme is given in Fig.2. For a contour involving 36 third degree curves the interpolation points were found on the URAL computer during 30 min. There are 4 figures and 2 Soviet references.

SUBMITTED: February 9, 1960
Card 1/1

YEVSEYEVA, A.P. (Moskva); KARIBSKIY, V.V. (Moskva)

Selection of segments for linear interpolation in the digital program control of a machine tool. Izv. AN SSSR. Otd. tekh.nauk. Energ. i avtom. no.4:179-183 Jl-Ag '60. (MIRA 13:8)
(Machine tools—Numerical control)
(Automatic control)

55

YEVSEYEVA, A. P.

PHASE I BOOK EXPLOITATION SOV/6012

Akademiya nauk SSSR. Institut avtomatiki i telemekhaniki.

Avtomaticheskoye regulirovaniye i upravleniye (Automatic Regulation and Control) Moscow, Izd-vo AN SSSR, 1962. 526 p. Errata slip inserted. 9000 copies printed.

Resp. Ed.: Ya. Z. Tsypkin, Professor, Doctor of Technical Sciences; Ed. of Publishing House: Ye. N. Grigor'yev; Tech. Ed.: I. N. Dorokhina.

PURPOSE: This book is intended for scientific research workers and engineers concerned with automation.

COVERAGE: The book is a collection of articles consisting of papers delivered at the 7th Conference of Junior Scientists of the Institute of Automation and Telemechanics, Academy of Sciences USSR, held in March 1960. A wide range of scientific and technical questions relating to automatic regulation and control is covered.

Card 1/12

Automatic Regulation (Cont.) SOV/6012

The articles are organized in seven sections, including automatic control systems, automatic process control, computing and decision-making devices, automation components and devices, statistical methods in automation, theory of relay circuits and finite automatic systems, and automated electric drives. No personalities are mentioned. References are given at the end of each article.

TABLE OF CONTENTS:

Card 2/12

L 12713-63 EWP(q)/EWT(m)/BDS AFFTC/ASD JW/JD

ACCESSION NR: AP3002[illegible] S/0[illegible]/63/027/006/1411/1412

57

AUTHOR: Yevseyeva, G. V.; Yevseyev, A. M.

TITLE: [illegible] the manganese-copper system

SOURCE: [illegible] Fizicheskaya, v. 27, no. [illegible], 1963, 1411-1412

TOPIC TAGS: alloy thermodynamic property, manganese-copper system, alloy property

ABSTRACT: The first dynamic properties of alloys of the manganese-copper system were studied in the temperature interval [illegible]°K by measuring the pressure of saturated vapor. The volatile component was manganese. The instrument and [illegible] were similar to that described by Yevseyev and [illegible]. Phase diagrams were [illegible] tables and formulas.

Yevseyev (Zhurn. fiz. khimii, 33, 1959, 2247). Phase diagrams were
for various temperatures. Orig. art. has: 2 tables and 2 formulas.

[illegible] Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University)

SUBMITTED: 25Nov62 DATE ACQ: 16Jul63 ENCL: 00

SUB CODE: 00 NO REF SOV: 001 OTHER: 00

Card 1/1

YEVSEYEVA, G.V.; YEVSEYEV, A.M.; ZENKEVICH, L.V.

Thermodynamic properties of alloys of the system cadmium - thallium. Zhur. fiz. khim. 38 no.3:801-802 Mr '64.
(MIRA 17:7)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.

L 24770-63 EWP(q)/EWT(m)/BDS AFFTC/ASD JW/JD

ACCESSION NR: AP3002945 S/0075/63/037/006/1411/1412

AUTHOR: Yevseyeva, G. V.; Yevseyev, A. M. 57

TITLE: Thermodynamic properties of alloys of the manganese-copper system

SOURCE: Zhurnal fizicheskoy khimii, v. 37, no. 6, 1963, 1411-1412

TOPIC TAGS: alloy thermodynamic property, manganese-copper system, alloy property

ABSTRACT: [illegible] properties of alloys of the manganese-copper system [illegible] by measuring the pressure of [illegible] vapor. The third component was manganese. The instrument and [illegible] were similar with that described by Yur'ev and [illegible] diagrams were [illegible]

ASSOCIATION: Moskovskiy gosudarstvenny*y universitet im. M. V. Lomonosova (Moscow State University)

SUBMITTED: 25Nov62 DATE ACQ: 16Jul63 ENCL: 00

SUB CODE: 00 NO REF SOV: 001 OTHER: 001

KOSTSOVA, A.G.; TKACHENKO, N.N.; YEVSEYEVA, I.I.

Alkanesulfonic acids. Part 24: Acetylation of some N-aryl amides of alkanesulfonic acids in the presence of aluminum chloride. Zhur.ob.khim. 31 no.7:2241-2246 Jl '61. (MIRA 14:7)

1. Voronezhskiy gosudarstvennyy universitet.
(Sulfonic acid) (Amides)

ZALUKAYEV, L.P.; YEVSEYEVA, I.I.

Oxidative hydrolytic leavage of 2-aryl-1,3-indandiones. Zhur.ob. khim. 33 no.12:4025-4026 D '63. (MIRA 17:3)

1. Voronezhskiy gosudarstvennyy universitet.

Yevseyeva I. V.

BIRYUKOVA, T.Ye.; YEVSEYEVA, I.V.; IVANOVA, V.V.; LEVANDO, Ye.P.
NEKRASOVA, O.I.

Using L.G. Berg's method for determining phase composition of carbonate rock; preliminary report. Mat. VSEGEI Litol. no.1:144-158 '56. (MIRA 11:2)

(Carbonates (Mineralogy--Analysis)

LEVANDO, Ye.P.; KRASIKOVA, V.M.; KISELEVA, Ye.V.; YEVSEYEVA, I.V.

Solubility of metapicrite and chlorite amphibole schist in carbonate solutions; experimental studies of bauxite formation. Inform. sbor. VSEGEI no. 20:99-109 '59. (MIRA 14:1)
(Picrite) (Schists) (Bauxite)

L 29890-66 EWT(1) GW

ACC NR: AP6020108 SOURCE CODE: UR/0387/65/000/008/0074/0076

AUTHOR: Drumya, A. V.; Yevseyeva, K. G.; Kriventsov, Yu. M.; Podymova, I.S.; Popov, V.M.

ORG: Division of Physicotechnical and Mathematical Sciences, AN MoldSSR (Otdeleniye fiziko-tekhnicheskikh i matematicheskikh nauk AN MoldSSR)

TITLE: Carpathian earthquake of 10 January 1965

SOURCE: AN SSSR. Izvestiya. Fizika zemli, no. 8, 1965, 74-76

TOPIC TAGS: earthquake, seismology

ABSTRACT: On 10 January 1965 at approximately 0553 hours Moscow time the "Kishinev" (Moldavian SSR) seismic station recorded an earthquake with the epicenter near Fokshan in the Rumanian People's Republic. The earthquake was felt throughout Moldavia, a large part of eastern Rumania and the southwestern part of Odesskaya Oblast. Instrumental data are given in a table. The information given includes data on focal depth; the area of occurrence of the earthquake is a single square degree (26.2°-26.8° E, 45.4°-46.0° N. Foci in this area are at depths of 80-160 km, sometimes 200 km. The earthquake mentioned had been preceded by four smaller shocks in the preceding ten months. Most of this article is a description of the physical sensations and phenomena accompanying the earthquake which were observed in various towns and villages visited by the authors for interviewing the local inhabitants. On the basis of both instrumental data and these interviews the authors constructed a map of the isoseists for this earthquake. Orig. art. has: 1 figure and 2 tables. [JPRS]

SUB CODE: 08 / SUBM DATE: 06Feb65 / ORIG REF: 004

UDC: 550.346

Card 1/1

YEVSEYEVA, L. I.

YEVSEYEVA, L. I. -- "Changes in the Activity of Acid Phosphatase and the Concentration of Orthophosphates in Neurons of the Vegetative Nervous System in Disturbances of Blood Circulation and Ileus." Min Higher Education USSR. Moscow Veterinary Acad. Moscow, 1955. (Dissertation for the Degree of Candidate of Biological Sciences.)

SO: Knizhnaya letopis', No. 4, Moscow, 1956

EL'BERT, M.E. (Donetsk, Donbass, 66, bul'var Pushkina 7/18); YEVSEYEVA, L.I. (Donetsk, Donbass, 48, ul. Bul'varnaya 7/3)

Changes in acid phosphatase activity in vegetative neurons after sectioning of their processes. Arkh. anat., gist. i embr. 47 no. 7:41-44 Jl '64.

1. Kafedra gistologii i embriologii (zav. - prof. V.A. Ravvin) Donetskogo meditsinskogo instituta imeni Gor'kogo. Submitted April 8, 1963.

YEVSEYEVA, L.I. (Stalino, 3, Alma-Atinskaya ul.7, kv.5)

Reactions of Dogel's neurons of the 2d type in Auerbach's plexus of the duodenum following vagotomy. Arkh. anat. gist. i embr. 40 no.3:16-21 Mr '61. (MIRA 14:5)

1. Kafedra gistologii (zav. - prof. V.A.Ravvin) Stalinskogo meditsinskogo instituta.

(DUODENUM--INNERVATION) (VAGUS NERVE--SURGERY)

OZERYANSKAYA, I.G.; YEVSEYEVA, L.M.; KIRSHENBAUM, I.M.

Clinical importance of some laboratory methods in the diagnosis of Botkin's disease. Trudy LPMI 30:150-159 '63. (MIRA 18:3)

1. Bol'nitsa imeni Botkina v Leningrade (glavnyy vrach M.M. Figurina, nauchnyy rukovoditel' prof. Ye.S.Gurevich).

YEVSEYEVA, L. P.

YEVSEYEVA, L. P. -- "Fattening Castrated Steers of the Kholmogory Breed on Succulent Fodders." Min Higher Education USSR. Moscow Veterinary Academy. Moscow, 1955. (Dissertation for the Degree of Candidate in Agricultural Sciences)

SO: Knizhnaya Letopis', No 1, 1956

PETROV, G.I.; KUTENKOV, M.V.; TENKNBAUM, I.M.; IEVSEYEVA, L.S.; KONSTANTINOV, M.M., nauchnyy red. [deceased]; SHASHKIN, V.L., nauchnyy red.; SURAZHSKIY, D.Ya., nauchnyy red.; ZAVODCHIKOVA, A.I., red.; MAZEL', Ye.I., tekhn.red.

[Methods of geological and geophysical exploration and control in uranium mines] Metody geologo-geofizicheskogo obsluzhivaniia uranovykh rudnikov. Moskva, Izd-vo Gos.kom-ta Soveta Ministrov SSSR po ispol'zovaniiu atomnoi energii, 1960. 217 p. (MIRA 13:10)

(Mining geology) (Uranium ores)

YEVSEYEVA, Lyudmila Spiridonovna; PEREL'MAN, Aleksandr Il'ich; PANASENKOVA, Ye.I., red.; VLASOVA, N.A., tekhn. red.

[Geochemistry of uranium in a supergene zone] Geokhimiia urana v zone gipergeneza. Moskva, Gosatomizdat, 1962. 238 p. (MIRA 15:12)

(Uranium)

YEVSEYEVA, L.S.; IVANOV, K.Ye.; KOCHETKOV, V.I.

Some regularities in the formation of epigenetic uranium ores in sandstones as determined from experimental and radiochemical data. Atom. energ. 14 no.5:474-481 My '63. (MIRA 16:6)
(Geological modeling) (Uranium ores)

YEVSEYEVA, L.S.; FOMINA, N.P.; KARPOVA, T.V., red.

[Oxidation-reduction properties of uranium-bearing sedimentary rocks] Okislitel'no-vosstanovitel'nye svoistva osadochnykh uranonosnykh porod. Moskva, Atomizdat, 1965. 66 p. (MIRA 18:3)

KAN, K.D., kand.tekhn.nauk; MAK, L I., inzh.; MARSHAK, A.M., kand.khim.nauk; YEVSEYEVA, L.S., inzh.

Investigating the refrigeration compressor operated with Freon-143. Khol.tekh. 40 no.3:5-9 My-Je '63. (MIRA 16:9)

1. TSentral'noye konstruktorskoye byuro kholodil'nogo mashinostroyeniya (for Kan, Mak). 2. Gosudarstvennyy institut prikladnoy khimii (for Marshak, Yevtseyeva).
(Refrigerants) (Refrigeration and refrigerating machinery)

YEVSEYEVA, L.S.

Several problems of the Caspian Sea water vapor cycle. Vest. Mosk. un. Ser.5: Geog. 19 no.5:40-48 S-O '64. (MIRA 18:1)

1. Kafedra gidrologii Moskovskogo universiteta.

YEVSEYEVA, L.S.; YEVSEYEV, V.F.

Calculation of water-vapor transfer in the atmosphere. Meteor. i gidrol. no.5:41-46 My '65. (MIRA 18:4)

1. Moskovskiy gosudarstvennyy universitet i Moskovskiy inzhenerno-fizicheskiy institut.

YEVSEYEVA, L.S.; YEVSEYEV, V.F.; SHCHUKIN, B.A.

Probability method of calculating the transfer of water vapor.
Vest. Mosk. un. Ser. 5: Geog. 20 no.1:72-76 Ja-F '65.
(MIRA 18:3)

YEVSEYEVA, N.D.

List of publications based on research material collected by the Institute of Biology of Inland Waters of the Academy of Sciences of the U.S.S.R. in 1952-1964. Trudy Inst.biol. vnutr.vod. no.9:115-147 '63. (MIRA 19:1)

YEVSEYEVA, N.G.

Role of vision in the development of rheostatic reflexes in fishes.
Trudy sov.Ikht.kom. no.8:90-92 '58. (MIRA 11:11)

1. Moskovskiy oblastnoy pedagogicheskiy institut.
(Fishes--Habits and behavior) (Vision) (Reflexes)

GORIZONTOV, P.D.; MOROZ, B.B.; FEDOTOV, V.P.; BIBIKOVA, A.F.; YEVSEYEVA, N.K.

Significance of neuroendocrine changes in late aftereffects caused by ionizing radiation. Radiobiologiia 5 no.2:221-226 '65. (MIRA 18:12)

TIKHOMIROVA, M.V.; YEVSEYEVA, N.K.; SHISHAKOVA, I.A. (Moskva)

Amount of copper in the blood of animals during subacute radiation injury. Pat. fiziol. i eksp. terap. 5 no.4:69-70 Jl-Ag '61.
(MIRA 14:9)

(COPPER IN THE BODY) (RADIATION SICKNESS)

ROGOZKIN, Vladimir Dmitriyevich; BELOUSOV, Boris Pavlovich; YEVSEYEVA, Nadezhda Karpovna; GORIZONTOV, P.D., prof. red.; LANDAU-TYLKINA, S.P., red.

[Radiation-protective effect of cyanides; amydalin] Radiozashchitnoe deistvie tsianistykh soedinenii; amigdalin. Moskva, Medgiz, 1963. 131 p. (MIRA 17:5)

1. Deystvitel'nyy chlen AMN SSSR (for Gorizontov).

S/241/63/008/002/004/006
D243/D307

AUTHORS: Gruzdev, G.P., Yevseyeva, N.K., Rozhdestvenskiy, L.M., Fedotova, M.I. and Shcherbova, Ye.N.

TITLE: Disturbance of cell regeneration in the bone marrow [illegible] radiation

PERIODICAL: Meditsinskaya radiologiya, v. 8, no. 2, 1963, 35-41

The [illegible] was studied in view of lack of publications concerned with the effect of radiation on the bone marrow. The animals were exposed to whole-body γ-irradiation at 305 r/min, the total dose being 400 r. The rats were then decapitated on the 1st, 3rd, 5th, 7th, 9th, 15th, 20th and 30th day after irradiation and the mitotic index, the development of chromosome observations, the total content of myeloid cells and individual cellular regenerations in the bone marrow were measured. The mitotic index fell sharply on the 1st day and then rose rapidly to a maximum on the 7th day; a second shallow minimum on the 15th day was then followed by a gradual rise. The number of cells of the bone marrow

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was not however fully related to the above changes. Chromosome aberrations rose sharply on the 1st day after irradiation and then rapidly decreased, with a slight maximum on the 7th day. The mitotic activity of erithropoietic cells showed a sharp rise from the 3rd day after dosing, indicating regeneration of these cells. It is concluded that the myeloid cells of the bone marrow, which divided with manifestation of chromosome aberrations, gave rise to nonviable daughter cells and perished rapidly. There are 1 figure and 3 tables.

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

CA

7

X-ray investigation of the alloys of iron with manganese
and carbon. V. G. Kuznetsov and N. N. Evseeva. *J.*
Applied Chem. (U. S. S. R.) 12, 400–14 (in French, 414)
(1939); cf. preceding abstr.—X-ray investigation by
the Debye method of the alloys of Fe with 0–50% Mn
and the same alloys with 0.5 and 1.5 C showed an ε phase,
which was formed (reversibly) from the γ phase. The
equil. conditions varied under the influence of mech.
action and degree of deformation of alloys. Data are
tabulated. A. A. Podgorny

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

YEVSEYEVA, N. N.

"Formed Compounds and Exchange Reactions in Chloride-Sulfate Mutual Systems." Sub 20 Jun 51, Inst of General and Inorganic Chemistry, imeni N. S. Kurnakov, Acad Sci USSR. Cand. Chem Sci.

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55

YEVSEYEVA, N. N.

Reciprocal system of sodium and zinc chlorides and sulfates. N. N. Evseyeva and A. G. Bergman (N. S. Kurnakov Inst. Gen. Inorg. Chem., Acad. Sci. U.S.S.R., Moscow). Izvest. Sektora Fiz.-Khim. Anal., Inst. Obshchei i Neorg. Khim., Akad. Nauk S.S.S.R. 21, 208-27(1952).—The purpose of this investigation was to study the effect of at. radii and generalized at. moments ($\mu = e/r$, where e is charge and r is radius of Na and Zn on the formation of kainite-type compds. in chloride-sulfate reciprocal systems. For Na the radius is 0.98 A. and the generalized moment is 1.02. For Zn it is 0.83 A. and 2.41, resp. Data obtained from studying the component systems, diagonal cuts, and internal cuts were used for constructing phase diagrams. Thermographic curves and photomicrographs were obtained for reaction products at various stages of the investigation. The assumed heat of the metathetic reaction in the system Na, Zn||Cl, SO_4 is very small (0.75 Cal. per 1 g. equiv.) so that the conditions are favorable for the formation of a hetero-ionic compd. of kainite type, e.g., $Na[ClZnSO_4]$, yet by expt. no such compd. was found. The liquidus surface consists of 10 crystn. fields of which 5 belong to compds. formed within this system: $ZnCl_2 \cdot 2NaCl$, $Na_2SO_4 \cdot ZnSO_4$, $Na_2SO_4 \cdot 3ZnSO_4$, $ZnCl_2 \cdot ZnSO_4$, and a triple hetero-compd. the compn. of which was not ascertained. $ZnCl_2 \cdot ZnSO_4$ could not be studied because of its hygroscopicity and its tendency to vitrify. The other compds. crystd. in low syngony and had double refraction and pos. extinction. The first 3 compds. were stable within wide temp. limits down to room temp.

M. Hoseh

YEVSEYEVA, N.N.

Fusibility diagram of the system Na_2SO_4- $ZnSo_4$. Izv.Sekt.fiz.-khim. anal. 22:162-169 '53. (MLRA 7:5)

1. Institut obshchey i neorganicheskoy khimii im. N.S.Kurnakova Akademii nauk SSSR. (Sulfates) (Systems (Chemistry))

YEVSEYEVA, N. N., LEPESHKOV, I. N. and SVESHNIKOVA, V. N.

"Phase Composition and Solubility of Carbonate Rocks Characteristic for Certain Deposits in the Volga Region"
Izv. sektora fiz.-khim. analiza IONKh AN SSSR, 23, 1953, 300-308

The investigated rocks from the deposits "Mogutov Mountain" and "Apple Gulch" are represented by the authors as principally dolomitized limestones and calcareous dolomites. They determined the solubility in water of dolomitized limestones and dolomites at 25°C and pressure of one atomosphere of CO_2. (RZhGeol, No 6, 1955)

SO: Sum-No 787, 12 Jan 56

YEVSEYEVA, M.N.

Dissertations presented in the N.S. Kurnakov's Institute of General and Inorganic Chemistry at the Academy of Sciences of the U.S.S.R. during the first half year of 1956. Zhur.neorg.khim. 1 no.10:2429-2430 O '56. (MIRA 10:1)

(Bibliography--Chemistry)

YEVSEYEVA, N. N.

USSR/Inorganic Chemistry. Complex Compounds. C

Abs Jour: Ref. Zhur-Khimiya, No 1, 1958, 664.

Author : Yevseyeva, N.N.
Inst :
Title : On Sulfate Monovalent and Trivalent Thallium.

Orig Pub: Zh. Neorgan. Khimii, 1957, 2, No 6, 1259-1262.

Abstract: During the electrolysis of a melt of 7% KCl and 93% TlCl, a partial oxidation of Tl takes place. When the melt from the anodic field is dissolved in 0.1 N H_2SO_4 and is heated to 70-80°, a yellow precipitate settles out after prolonged standing, the composition of which corresponds to the formula $Tl_2SO_4 \cdot 3Tl_2(SO_4)_3$(I). The crystals of I belong to cubic system $n_D > 2$, a primitive lattice with a 3.83 ± 0.01 A. At room temperature I dissolves in water with difficulty; during heating it dissolves slowly and beginning with 70° it hydrolyses with formation of

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-10-

VOSKRESENSKAYA, N.K.; YEVSEYEVA, N.N.; BERUL', S.I.; VERES/CHETINA, I.P.; TRAVIN, N.V., red. izd-va; BLEYKH, E.Yu., tekhn. red.

[Reference book on the fusibility of systems of anhydrous inorganic salts] Spravochnik po plavkosti sistem iz bezvodnykh neorganicheskikh solei. Sost. N.K.Voskresenskaia i dr. Moskva. Vol.2. [Ternary, ternary reciprocal, and multicomponent systems] Sistemy troinye, troinye vzaimnye i bolee slozhnye. 1961. 585 p. (MIRA 14:7)

1. Akademiya nauk SSSR. Institut obshchey i neorganicheskoy khimii. (Salts) (Systems (Chemistry)) (Melting points)

VOSKRESENSKAYA, N.K., doktor khim. nauk; YEVSEYEVA, N.N., kand. khim. nauk; BERUL', S.I.; VERESHCHETINA, I.P.; TRAVIN, N.V., red. izd-va; BLEYKH, E.Yu., tekhn. red.

[Manual on the fusibility of the systems consisting of anhydrous inorganic salts] Spravochnik po plavkosti sistem iz bezvodnykh neorganicheskikh solei. Sost. N.K.Voskresenskaia i dr. Moskva, Vol.1. [Binary systems] Dvoinye sistemy. 1961. 845 p. (MIRA 14:6)

1. Akademiya nauk SSSR. Institut obshchey i neorganicheskoy khimii. 2. Laboratoriya khimii i termodinamiki rasplavlennykh sred Instituta obshchey i neorganicheskoy khimii im. N.S.Kurnakov AN SSSR (for for all except Travin, Bleykh)
(Salts) (Systems (Chemistry))

3

On some semiconducting properties of alloys of the system Si-As-S.

N. N. Yevseyeva, I. S. Kovaleva, B. T. Kolomiyets, K. S. Kranchevich.

Report presented at the 3rd National Conference on Semiconductor Compounds, Kishinev, 16-21 Sept 1963

YEVSEYEVA, N.P. (Irkutsk)

Outpatient service for the population of the U.S.A.; survey of the literature. Sov. zdrav. 21 no.5:78-82 '62. (MIRA 15:5)
(UNITED STATES--HOSPITALS--OUTPATIENT SERVICES)

MISHARIN, A.P., dotsent; YEVSEYEVA, N.P.

Some characteristics of esophagoscopy in impacted foreign bodies. Zhur.ush., nos.i gorl.bol. 22 no.2:65-66 Mr-Ap '62. (MIRA 15:11)

1. Iz kliniki bolezney ukha, gorla i nosa (zav. - dotsent A.P. Misharin) Irkutskogo meditsinskogo instituta.
(ESOPHAGUS--EXPLORATION)
(ESOPHAGUS--FOREIGN BODIES)

IEVSEYEVA, N.P.

Treatment of pharyngomycosis by lavage of tonsils with 60° alcohol. Vest.oto-rin. 15 no.4:91 Jl-Ag '53. (MLRA 6:9)

1. Poliklinika Irkutska.
(Pharynx--Diseases) (Alcohol--Therapeutic use) (Medical mycology)

YEVSEYEVA, N.P. (Irkutsk).

State of specialized medical aid in the U.S.A. Sov.med. 17 no.8:31-35 Ag '53. (MLRA 6:8)

(United States--Medicine)

YEVSEYEVA, N.P. (Irkutsk)

Higher medical education in the United States in the service of capitalism. Sov.med. 18 no.5:15-17 My '54. (MLRA 7:5)
(United States--Medicine--Study and teaching)

YEVSEYEVA, N.P. (Irkutsk).

American scientists on contemporary problems of public health in the United States. Sov.med. 22 no.7:103-109 Jl '58 (MIRA 11:10)
(PUBLIC HEALTH, in U.S. (Rus))

YEVSEYEVA, N.P.

Problem of adenoids and tonsillitis in the USA; survey of the literature. (MIRA 12:4)
Vest. otorin. 21 no.2:103-108 Mr-Ap '59.
(ADENOIDS,
review of Amer. literature (Rus))
(TONSILLITIS,
same)

YEVSEYEVA, N.P.

Treatment of malignant neoplasms of the larynx and pharynx; survey of foreign literature. Vop. onk. 6 no. 10:104-111 0 '60. (MIRA 14:1)

(LARYNX--CANCER) (PHARYNX--CANCER)

YEVSEYEVA, N.P. (Irkutsk)

Charlatanism and quackery in the U.S.A. under the label of scientific theories. Zdrav.Ros.Feder. 7 no.3:37-40 Mr '63. (MIRA 16:3)

(UNITED STATES--QUACKS AND QUACKERY)

ZEMLYAKOV, Ivan Petrovich; ZAVGORODNYI, V.K., inzh., retsenzent; YEVSTAF'YEVA, N.P., red.; DOBRITSINA, R.I., tekhn. red.

[Machine parts made of capron] Kapron - material dlia detalei machiny. Moskva, Mashgiz, 1961. 97 p. (MIRA 15:1)
(Nylon) (Machinery--Construction)

YEVSEYEVA, O. P.

YEVSEYEVA, O. P.: " The blood supply to the muscles to the upper extremities". Kazan', 1955. Kazan' State Medical Inst. (Dissertations for the degree of Candidate of Medical Science.)

SO: Knizhnaya Letopis' No. 50 10 December 1955. Moscow.

S-4

USSR/Human and Animal Morphology. Circulatory System.

Abs Jour: Ref Zhur - Biol., No 19, 1958, 88457

Author : Yavseyeva, O. P.

Inst : Kazan Medical Institute

Title : The Blood Supply of the Muscles of the Arm and Forearm.

Orig Pub: Sb. nauchn. rabot. Kazansk. med. in-t, 1957, vyp. 4, 308-315

Abstract: It was demonstrated in man, by the method of preparation of 25 upper extremities and, roentgenographically, in 25 extremities, that each muscle (M) of the arm and forearm has from 1 to 10 sources of blood supply, the muscles of one functional group having the same basic sources. The number of muscular "area" is between 2-73, depending upon the size of the M and the caliber of the blood vessels. The total number and summary

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YEVSEYEVA, O.P.

Data on the afferent innervation of the cerebral dura mater in some mammals (rodents). Nauch. trudy Kaz. gos. med. inst. 14:163-164 '64. (MIRA 18:9)

1. Kafedra anatomii cheloveka (zav. prof. A.G.Korotkov) Kazanskogo meditsinskogo instituta.

surrended by plasma

S/2966/62/000/000/0100/0102

ACCESSION NO: AT3012846

AUTHORS: Mikhalevskiy V. S.; Yevseyeva, R. Ya.

TITLE: Asymmetric waves in single spiral retarding line surrounding a plasma

SOURCE: Voprosy* elektroniki i elektrodinamiki sverkhvy*sokikh chastot. Taganrog, 1962, 100-102

TOPIC TAGS: plasma, asymmetric wave, electric field, dispersion equation, wave propagation

ABSTRACT: The dispersion characteristics of a spiral ZS surrounding a plasma has been considered analytically for the case of an axially asymmetric wave, with azimuthal component of magnetic and electric fields. The dispersion equation is obtained from L. A. Vaynshteyn (Elektromagnitny*ye volny*, "Sov. radio", 1957) under the assumption $\gamma \approx \gamma_1 = i\beta\sqrt{\ldots}$ where k = wave number and β = phase constant of wave propagation along the spiral. The result is represented graphically with v/c (phase velocity of wave over speed of light in vacuum) versus wave length for various plasma frequencies. It is concluded that plasma control of frequency in the first spatial resonance inconveniently requires working with low retardations

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ACCESSION NO: AT3012846

and high plasma frequencies. Orig. art. has: 1 equation and 1 figure.

ASSOCIATION: none

SUBMITTED: 00 DATE ACQ: 07Oct63 ENCL: 00

SUB CODE: PH NO REF SOV: 002 OTHER: 000

2/2

ACCESSION NR: AR3009[illegible]

SOURCE: RZh. Fizika, Abs. 5 Zh167

AUTHORS: Mikhalevskiy, V. S.; Kevseyeva, R. Ya.

TITLE: Asymmetrical waves in single-helix slow-wave line surrounded by plasma

CITED SOURCE: Vopr. elektroniki i elektrodinamiki sverkhvysokikh chastot. Tamanrog, 1962, 130-143

TOPIC TAGS: slo. wave structure, plasma electron, backward wave oscillator

TRANSLATION: Using the approximation of the helically conducting cylinder, the dispersion of a helix surrounded by a plasma is calculated. The dispersion equation is valid for spatial resonance of any order, m. Plots of the slowing-down are presented for the cases m = 0, 1. It is shown that upon introduction of the plasma each dispersion curve [illegible]. The shift of the wavelength for a specified slowing down depends on the plasma concentration. It is noted that [illegible] wave oscillator, using a wave with [illegible] obtained [illegible] plasma

plasma control ...
m = ± 1 in the helix is made different ...
... I Beloos. ... CE SP ENCL: 00

DUNSKIY, V.F.; YEVSEYEVA, S.A.

Fluctuation of aerosol precipitation. Izv. AN SSSR. Fiz. atm. i okeana 1 no.5:501-508 My '65. (MIRA 18:8)

5(2) SOV/32-25-5-8/56

AUTHORS: Vinogradov, A. V., Yevseyeva, T. I.

TITLE: Accelerated Determination of Molybdenum in Molybdenum Concentrates (Uskorennyy metod opredeleniya molibdena v molibdenovykh kontsentratakh)

PERIODICAL: Zavodskaya Laboratoriya, 1959, Vol 25, Nr 5, pp 550-552 (USSR)

ABSTRACT: A new method was devised, which is based on the separation of molybdenum as oxyquinolate (I) and on its gravimetric determination. In the paper (Ref 4) it was pointed out that a quantitative separation of molybdenum from uranium may take place by a precipitation of Mo as (I) from 0.25 - 0.5 % sulphuric acid - acid medium. Since this possibility had hitherto practically not been exploited, the authors of the paper under review investigated the solubility and extractability of (I) with chloroform in dependence of pH and an excess of precipitant. A quantitative precipitation of (I) may take place from 0.1 n sulphuric acid, in which case only tungsten and small quantities of vanadium are co-precipitated, while an iron precipitation may be prevented by an addition of "complexon". Thus, a prior separation of Fe and other elements can be avoided. The method suggested

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Accelerated Determination of Molybdenum in Molybdenum Concentrates SOV/32-25-5-8/56

was tested on a concentration preliminarily annealed according to GOST 2082-51, and analytical results (Mo 47.88 - 47,61%, Mo 47.78 - 47.20% respectively) with limits of the absolute error of up to ± 0.09 %, or ± 0.13%, were obtained. Molybdenum determinations in the presence of tungsten were made under addition of oxalic acid, in which tungsten oxyquinolate dissolves (Table). In this way, 46.49% Mo were determined in a molybdenum concentration with a content of 46.44% Mo and 1.04% W (according to Gintsvetmet). A course of analysis is described as well as the coefficient for the determination for Mo. The method allows 10 analyses in 8 hours. There are 1 table and 5 references, 2 of which are Soviet.

Card 2/2

BOKOVA, V.V., GORR, Z.T., YEVSEYEVA, T.Ye., LISICHKINA, L.I.

Middlebrook-Dubos reaction as a new serological diagnostic method in tuberculosis. Trudy LSGMI 45:95-98 '58 (MIRA 11:11)

1. Kafedra mikrobiologii Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav. kafedroy prof. M.N. Fisher).
(BLOOD--AGGLUTINATION)
(TUBERCULOSIS--DIAGNOSIS)

YEVSEYEVA, V.A.; LOGINOV, V.N.

Practices in using the Minsk-11 Electronic Computer for traction calculations. Transp. stroi. 15 no.5:41-43 My '65. (MIRA 18:7)

1. Starshiy inzh. Moskovskogo gosudarstvennogo proyektno-izyskatel'skogo instituta Gosudarstvennogo proizvodstvennogo komiteta po transportnomu stroitel'stvu SSSR (for Yevseyeva). 2. Glavnyy spetsialist po vychislitel'noy tekhnike Moskovskogo gosudarstvennogo proyektno-izyskatel'skogo instituta Gosudarstvennogo proizvodstvennogo komiteta po transportnomu stroitel'stvu SSSR (for Loginov).

NIKONOV, A.G.; YEVSEYEVA, V.L.; BIBIKOVA, P.D.; BICHUL', K.G.

Cultivation of Vibrio comma in the small intestine of guinea pigs. Zhur. mikrobiol. epid. i immun. 29 no.12:51-53 D '58. (MIRA 12:1)

1. Iz Rostovskogo-na Donu nauchno-issledovatel'skogo protivochumnogo instituta Ministerstva zdravookhraneniya SSSR.

(VIBRIO COMMA, cultures,
an isolated loops of guinea pig small intestine (Rus))
(INTESTINE, SMALL,
cultivation of Vibrio comma in isolated loops of intestine from guinea pigs (Rus))

YEVSEYEVA, V. Ye.

Determination of deutonymphs of 5 types of Gamasoidea ticks from the family Haemogamasidae (Parasitiformes gamasoidea) by the transparent appendix of the immovable finger of the chelicerae. Med. paraz. i paraz. bol. no.6:718-721 '61. (MIRA 15:6)

1. Iz entomologicheskogo otdela Instituta meditsinskoy parazitologii i tropicheskoy meditsiny imeni Ye. I. Martsinovskogo (dir. - prof. P. G. Sergiyev, zav. otdelom - prof. V. N. Beklemishev) Ministerstva zdravookhraneniya SSSR.

(TICKS)

YEVSEYEVA, V.Ye.

On R.E.Shul'man's description of the new mite species Haemolaelaps dogieli(Laelaptidae, Gmasides) from the birch mouse. Zool. zhur. 43 no.7:1076-1077 '64. (MIRA 17:12)

1. Institute of Medical Parasitology and Tropical Medicine, Moscow.

GERSHKOVICH, N.L.; YEVSEYEVA, V.Ye.; BABENKO, L.V.

Ectoparasites; fauna; biology and its practical importance; annotation. Med. paraz. i paraz. bol. 33 no.6:752 N-D '64. (MIRA 18:6)

BOGDANOV, N.S.; Prinimala uchastiye YEVSEYEVA, Ye.P., nauchnyy sotrudnik

Vineyard regions and geographical distribution of wineries for the first-stage treatment of grapes (Experience in the Crimea Province of the Ukrainian U.SSR.). Trudy VNIIViV "Magarach" 9:3-32 '60. (MIRA 13:11)

1. Otdel ekonomiki Vsesoyuznogo nauchno-issledovatel'skogo instituta vinodeliya i vinogradarstva "Magarach".
(Crimea--Wine and wine making)

YEVSEYEVA, Z. I.

YEVSEYEVA, Z. I. -- "Dynamics of Pancreatic Secretion and the General Progress of Digestion in the Area of the Duodenum in Pigs While They Are Fed Various Rations." Sub 6 Mar 52, Moscow Oblast Pedagogical Inst. (Dissertation for the Degree of Candidate in Biological Sciences).

SO: Vechernaya Moskva January-December 1952

YEVSHCHIK, I.I.

First months of work according to the new system. Transp. stroi. 10 no.9:6-7 S '60. (MIRA 13:9)

1. Starshiy inzhener tresta Ufimtransstroy.
(Bashkiria--Transportation--Buildings and structures)
(Hours of labor)

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26(4) PHASE I BOOK EXPLOITATION SOV/1898

Yevsikov, Anatoliy Vasil'yevich and Viktor Yakovlevich Popov, Candidate of Technical Sciences

Tekhnologiya proizvodstva i remonta toplivnoy apparatury dizeley (Methods of Manufacture and Repair of Diesel Engine Fuel Equipment) Moscow, Mashgiz, 1958. 308 p. Errata slip inserted. 5,000 copies printed.

Reviewer: V.V. Shiganov, Engineer; Ed.: N.N. Voskresenskiy, Engineer; Ed. of Publishing House: Ye. Ya. Savel'yev; Tech. Ed.: A. Ya. Tikhanov; Managing Ed. for Literature on General Technical and Transport Machine Building: K.A. Ponomareva, Engineer.

PURPOSE: This book is intended for foremen, mechanics, engineers, and technicians engaged in the manufacture, repair, and operation of Diesel engines.

COVERAGE: The authors discuss the process of manufacturing and reconditioning Diesel engine fuel injection pumps, injection nozzles, unit injectors, fuel supply pumps, and filters. They describe manufacturing techniques from blank making to finishing operations and parts testing, the use of multispindle

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automatic machines and composite machine tools, electrical methods of machining certain parts, conveyor assembly installation and apparatus for testing assembled units, and intricate composite machines for manufacturing and repairing fuel-injection equipment in Diesel engines. In the section on the reconditioning of fuel-injection equipment the latest achievements in carbon deposit removal and the restoration of wornout parts are described. The assembly and testing of the fuel-injection pumps and accessories of the NK-10, KKAZ, DT-54, KD-35, KDM, B2-300, D12A, D6, S-80, and YaAZ-204 Diesel engines are described in detail. High accuracy in dimensions, fineness of surface and perfect alignement of conjugated units of parts are emphasized. No personalities are mentioned. There are 23 references, all Soviet.

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