/05

Sherstkov, Yu. A.

PHASE I BOOK EXPLOITATION

SOV/6181

Ural'skoye soveshchaniye po spektroskopii. 3d, Sverdlovsk, 1960.
Materialy (Materials of the Third Ural Conference on Spectros-
copy) Sverdlovsk, Metallurgizdat, 1962. 197 p. Errata slip
inserted. 3000 copies printed.

Sponsoring Agencies: Institut fiziki metallov Akademii nauk SSSR.
Komissiya po spektroskopii; and Ural'skiy dom tekhniki VSNTO.

Eds. (Title page): G. P. Skornyakov, A. B. Shayevich, and S. G.
Bogomolov; Ed.: Gennadiy Pavlovich Skornyakov; Ed. of Publish-
ing House: M. L. Kryzhova; Tech. Ed.: N. T. Mal'kova.

PURPOSE: The book, a collection of articles, is intended for staff
members of spectral analysis laboratories in industry and scien-
tific research organizations, as well as for students of related
disciplines and for technologists utilizing analytical results.

Sherstkov, Yu. A., and L. F. Maksimovskiy. Investigation of
the dependence of the total intensity of spectral lines
on the concentration of elements in an arc-discharge plasma   4

L 26125-66   EWT(1)/EWP(e)/EWT(m)   IJP(c)   JD/AH/JG/GG/WH

ACC NR: AP6015803   SOURCE CODE: UR/0386/66/003/010/0401/0404

AUTHOR: Sherstkov, Yu. A.; Nepsha, V. I.; Nikiforov, A. Ye.; Cherepanov, V. I.

ORG: Ural State University (Ural'skiy gosudarstvennyy universitet)

TITLE: Influence of an external electric field on the EPR signals of pairs of exchange-coupled chromium ions in ruby

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniye, v. 3, no. 10, 1966, 401-404

TOPIC TAGS: electron paramagnetic resonance, line splitting, corundum, chromium, resonance absorption, exchange reaction

ABSTRACT: The use of an effect predicted theoretically by one of the authors (Nikiforov, Fiz. tverdogo tela v. 7, 1248, 1965), consisting in nonlinear splitting of EPR signals of pairs of exchange-coupled Cr^{3+} ions in corundum, is proposed for a unique interpretation of the many weaker supplementary EPR signals in corundum due to pairs of exchange-coupled chromium ions. The effect was used to investigate experimentally the spectral regions from 480 to 680 G and from 850 to 1200 G in a corundum crystal containing 0.05% chromium by weight. The RE 1301 apparatus was used for the measurement. For $H \parallel E \parallel C_3$ (H and E are the electric and magnetic field intensities and C_3 the corundum optical axis) the influence of the electric field was observed in five signals at 525, 590, 926, 994, and 1093 G. From plots of the derivative of the absorption signal and of the theoretical dependence of the splittings of the EPR signals

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on E for the transitions for which nonzero line splitting is possible, as well as from other experimental data, it is deduced that the signals are due to pairs and not to iron and manganese impurities. It is deduced that a combination of the method of measuring signal splitting in an electric field (which determines the type of transition) and methods involving temperature and angle measurements will make it possible to relate the observed signals to concrete pairs, and that investigations of the observed effect in magnetically dilute crystals, over a wide range of magnetic fields, will yield more complete information on the exchange interaction of paramagnetic ions. Orig. art. has: 2 figures and 1 formula.

SUB CODE: 20/   SUBM DATE: 18Mar66/   ORIG REF: 005/   OTH REF: 003

Card 2/2

SOLOV'YEV, A.L.; SHERSTNEV, A.E.; IVANOV, I.I.; PARSHIN, A.N.; GORYUKHINA,
T.A.

Some data and considerations on possible means of chemotherapy for
melanomas. Vop. onk. 6 no.6:88-89 Je '60.   (MIRA 14:3)
          (TUMORS)   (TYROSINE)   (CARBON—ISOTOPES)

CA SHERSTNEV, A-1.   14

Chemo-bacteriological characteristics of water-supply sources and city-water distribution systems. A. I. Sherstnev. *Gigiena i Sanit.* 1950, No. 2, 40.—Chem. analysis of lakes of the Murmansk region showed a low level of mineral salt content, explained by geographic location; extremely low hardness and the presence of much NH₃ are mentioned. The microflora in the water distribution system of Murmansk is usually limited to below 10 specimens per ml.   G. M. Kosolapoff

SHERSTNEV, A. I., Cand Biol Sci — (diss) "Sanitary condition and

sanitation of the Pregola River in the *region* of the City of Kalinin-

grad." Mos, 1958. 14 pp (Acad Med Sci USSR), 220 copies (KL, 15-58,

114)

-24-

SHERSTNEV, A. /,

Use of ethyl alcohol lacqueur for the inside painting of water
supply tanks. Mor.flot 18 no.3:14-15 Mr '58.   (MIRA 11:4)

1. Rukovoditel' sanitarno-promyshlennoy laboratorii Kaliningradskoy
sanepidstantsii.
          (Ships--Equipment and supplies) (Tanks--Corrosion)

MAMONT, V.S.; SHERSTNEV, A.K.

Rare case of multiple gouty arthritis. Vestn. rent. i rad,
38 no.3:69-70 My-Je '63. (MIRA 17:7)

1. Iz rentgenovskogo otdeleniya bol'nitsy "V pamyat' 25 oktyabrya"
(glavnyy vrach I.P. Yushmanov) Leningradskogo gorodskogo otdela
zdravookhraneniya i terapevticheskoy kliniki usovershenstvo-
vaniya vrachey (nachal'nik – prof. G.A. Smagin) Voyenno-medi-
tsinskoy ordena Lenina akademii imeni S.M. Kirova.

16.4600   16.2800

AUTHOR: Sherstnev, A. N.

TITLE: On the solution of equations in functional derivatives

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Matematika,
                no. 6, 1961, 155-168

TEXT: Let C be the space of the continuous functions on $I = [0,1]$
with the Wiener measure. Let $L_2(C)$ be the class of those functionals
which are square summable with respect to the Wiener measure:

$$\int_C |F[x]|^2 \, d_w x < \infty .$$

Let $H_n(u)$ be the Hermitian polynomials; let $\left\{ a_k(t) \right\}_1^\infty$ be a complete
orthonormal system of real functions on $[0,1]$; all $a_k(t) \in L_2[0,1]$.
Let be

$$\Psi_{m_1 \ldots m_N}[x] = \Psi_{m_1 \ldots m_N 0 \ldots 0}[x] = \prod_{1 \le k \le N} H_{m_k}\left[\int_0^1 a_k(t)\,dx(t) \right]$$

$$(1.1)$$

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where $m_1, \ldots, m_N$ are non-negative integers. The set of the functionals

(1.1) forms a complete orthonormal system in $L_2(C)$ such that to the

functional $F[x] \in L_2(C)$ the Fourier series

$$F[x] \sim \sum_{0 \le (m) \le N} A_{(m)} \Psi_{(m)}[x] = \sum_{\substack{0 \le m_1 \le N \\ \cdots \cdots \\ 0 \le m_N \le N}} A_{m_1 \ldots m_N} \Psi_{m_1 \ldots m_N}[x] \quad (1.2)$$

is corresponding.

The functional $F[x]$ is called functionally differentiable in $C \times I$,

if for all $x,y \in C$ there exists the first variation

$$\delta F = \delta F[x \mid y] = \frac{\partial}{\partial h} F[x + hy]\Big|_{h=0} \qquad (2.1)$$

which is representable in the form $\delta F = \int_0^1 A[x \mid t]\, y(t)\, dt.$

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On the solution of equations in . . .
$$S/31918/140/61/000/006/007/007$$
C111/C444

If $A\left[x \mid t\right]$ is measurable in $C \times I$, then it is called the functional derivative of $F\left[x\right]$ in $(x,t) \in C \times I$; in signs:

$$A\left[x \mid t\right] = \frac{\delta F}{\delta x(t)} \cdot$$

In the present paper one considers the solution of

$$\frac{\delta F}{\delta x(t)} = \phi\left[x \mid t\right] \qquad (2.2)$$

in the class $L_2(C)$. The method of the author consists of the following facts: he represents the searched functional by the Fourier series

$$F\left[x\right] \sim \sum A_{(m)} \Psi_{(m)}\left[x\right] \qquad (2.3)$$

as well as the functional $\phi\left[x \mid t\right]$ is represented by a Fourier series, and then he makes a comparison of the coefficients. His method is based on

Theorem 2: Let $F\left[x\right]$ be a functional of the class $L_2(C)$ which is

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functionally differentiable in $C \times I$, its functional derivative for every t also belonging to $L_2(C)$, and being summable for every $x \in C$ with respect to t. Besides let $\sup\limits_{t \in I} \left| \phi \left[x \middle| t \right] \right|$ be W-summable, If then

$$F[x] \sim \sum_{0 \leq (m) \leq N} A_{(m)} \Psi_{(m)} [x]$$

then

$$\frac{\delta F}{\delta x(t)} \underset{L_2}{\sim} \sum_{0 \leq (m) \leq N} \left\{ \sum_{1 \leq i \leq \infty} c_i(t) \sqrt{m_i + 1} \, A_{(m)+1_i} \right\} \Psi_{(m)} [x], \quad (3.8)$$

$\Psi_m [x]$ being the Fourier-Hermitian functionals, corresponding to the system

$$a_j(t) = \sqrt{2} \cos \frac{(2j-1)\pi t}{2}, \quad j = 1, 2, \ldots, \quad (1.5)$$

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The result of this investigation is summed up in Theorem 4.

Theorem 4: Let $\phi\,[x|\,t\,]$ be an arbitrary generally complex functional of the class $L_2(C)$ for every t; $\phi\,[x|t\,]$ be functionally differentiable with respect to x and summable with respect to t for every x $(\cdot)\in$ C with the property that $\|\phi\,[\cdot\,|\,t\,]\|\in L_2(0,1)$ and sup $|\phi\,[x|\,t\,]|$ are W-summable, and $\underset{s\,\in\,I}{\sup}\left|\dfrac{\delta\phi\,[x|\,t\,]}{\delta x\,(s)}\right|$ are W-summable, too, for every t.

Let further on be $\dfrac{\delta\phi\,[x|\,t\,]}{\delta x\,(s)}\in L_2(C)$ for arbitrary $(s,t)\in I\times II$ and summable with respect to s for every x, as well as for every $(s,t,x)\in$ $\in I\times I\times C$ holds

$$\frac{\delta\phi\,[x|t\,]}{\delta x(s)}\equiv\frac{\delta\phi\,[x|s\,]}{\delta x(t)}\ .$$

Then the equation

$$\frac{\delta F}{\delta x(t)}=\phi\,[x|\,t\,]$$

possesses a solution which is unique except for an additive constant
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in the class of the twice differentiable functionals of $L_2(C)$. Besides:
if the obtained functional is bounded: $|F[x]| < A$, and if

$\phi[x|t] \in L_2[0,1]$ for every $x \in C$ then the problem may be posed

with the initial condition $F[x_0] = f_0$, the constant term of the

expansion being calculated according to the following formula

$$A_0 = f_0 - \lim_{N \to \infty,\, \lambda \to 1-0} \sum_{\substack{0 \leq (m) \leq \infty \\ (m) \neq 0}} A_{(m)} \lambda^{m_1 + \ldots + m_N} \Psi_{(m)}[x_0]$$

where $\Psi_m[x]$ are the Fourier-Hermitian functionals corresponding to

(1.5). (The $A_{(m)}$ are the Fourier-Hermitian coefficients of $F[x]$).

There are 4 Soviet-bloc and 8 non-Soviet-bloc references. The four
most recent references to English-language publications read as
follows:

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S/140/61/000/006/007/007

On the solution of equations in . . .   C111/C444

J. Schwinger, Proc. Nat. Acad. Sci., 37, pp. 452, 1951; J. Schwinger, Proc. Nat. Acad. Sci., 37, pp. 455, 1951; R. H. Cameron, C. Hatfield, On the summability of certain ortogonal developments. Bull. Amer. Math. Soc. 55, pp. 131-145, 1949; R. H. Cameron, First variations of indefinite Wiener integrals. Proc. Amer. Math. Soc., 2, pp. 914-924, 1951.

ASSOCIATION: Kazanskiy gosudarstvennyy universitet im. V. J. Ul'yanova-Lenina (Kazan' State University im. V. J. Ul'yanov-Lenin)

SUBMITTED: March 7, 1960

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L 31062-65   EWT(d)/EWT(1)/EWG(v)/EEC(k)-2/EWA(d)/EEC-4/EEC(t)/EWA(h)
Pn-4/Pe-5/Pg-4/Pae-2/Pt-10/Peb/Pi-4/Pl-4   JHB/GW/WS

ACCESSION NR: AR5004880   S/0058/64/000/011/H063/H063

SOURCE: Ref. zh. Fizika, Abs. 11Zh393

AUTHORS: Bel'kovich, O. I.; Sherstnev, A. N; Volodin, I. N.

TITLE: Distribution of durations of meteoric radio echoes

CITED SOURCE: Sb. Meteorn. rasprostr. radiovoln. No. 1. Kazan',
Kazansk. un-t, 1963, 111-114

TOPIC TAGS: meteoric radio echo, meteor radar observation, meteoric
radio scatter

TRANSLATION: A formula is derived for the distribution of the dura-
tion of forward-reflected meteoric radio echoes from undercondensed
trails, with account of the change in the pressure at the point of
maximum ionization. By assuming the meteor mass distribution to
obey a power law, with a probability density

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ACCESSION NR: AR5004880

$$f(m) = \frac{s-1}{m_0}\left(\frac{m}{m_0}\right)^s.$$

where m -- mass of the meteor corresponding to the minimum registered amplitude A_0, the authors obtained for the probability p of the duration distribution of the meteoric radio echoes an expression (t ≥ α under the condition that $t \geq t_{min}$)

$$p = \left\{-\frac{3(s-1)}{2}\left(\sqrt{1+\frac{4\alpha}{3\tau_0}} - \sqrt{1+\frac{4t_{min}}{3\tau_0}}\right).\right.$$

where τ_0 -- value corresponding to m_0 and t_{min} -- minimum duration of the radio echo registered by the radio apparatus. The plots presented for the duration distribution density of the radio echoes, as well as the histograms of forward reflections from 150 undercondensed meteor trails, yield good agreement between the theoretical and experimental results. G. Osipov.

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L 31062-65

ACCESSION NR: AR5004880

SUB CODE: AA, EC   ENCL: 00

Card   3/3

S/020/63/149/003/006/028
B112/B180

AUTHOR: Sherstnev, A. N.

TITLE: Best approximation problems in random normed spaces

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 149, no. 3, 1963, 539 - 542

TEXT: The author generalizes the problem of minimizing the random norm

$$\left\| \varphi_0 - \sum_{k=1}^{n} c_k \varphi_k \right\| = P\left(\max_{0 \leqslant t \leqslant \tau} \left| \varphi_0 - \sum_{k=1}^{n} c_k \varphi_k \right| \geqslant x \right),$$ which is defined in the

space $C_{[0, \infty)}$. Theorems of existence and uniqueness of the solutions
are derived.

ASSOCIATION: Kazanskiy gosudarstvennyy universitet im. V. I. Ul'yanova-
              Lenina (Kazan' State University imeni V. I. Ul'yanov-Lenin)

PRESENTED: October 6, 1962, by A. N. Kolmogorov, Academician

SUBMITTED: October 5, 1962
Card 1/1

SHERSTNEV, A.N.   (Kazan')

    Some problems on optimum approximation in random normed
spaces. Rev math Roum 9 no.8:771-789 '64

SHERSTNEV, A.V.

Case of incrusted parasitic cyst of the transverse mesocolon. Vest.
rent. i rad. 36 no.4:81 Jl-Ag '61.   (MIRA 15:2)

1. Iz Zheleznorodozhnoy bol'nitsy stantsii Buzuluk (nachal'nik
S.I.Dudos').
                    (MESENTERY__HYDATIDS)

SHERSTNEV, A.V.; SHELEPOV, A.V.   (Buzuluk)

Clinicoroentgenological correlations in peptic ulcer in
elderly persons. Klin. med. 41 no.7:133-137 Jl'63
                                        (MIRA 16:12)

1. Iz Buzulukskoy mezhrayonnoy bol'nitsy (glavnyy vrach S.B.
Kosinskiy).

SHERSTNEV,A.V., inzhener; NAUMOV,A.G., inzhener

A new mechanized construction yard for making precast reinforced
concrete structural elements and components. Mekh.stroi.12 no.11:
3-7 N'55.   (MIRA 9;1)
                    (Precast concrete)

SHERSTNEV, A.V., inzhener.

Manufacture of reinforced concrete posts and pipes by the press method ("Press concrete")(from "Stavivo" no.7 '56). Mekh.stroi.13 no.12:26-27 D'56.   (MIRA 10:1)

(Czechoslovakia--Reinforced concrete)

SHERSTNEV, A., inzhener.

Reinforced concrete poles for street lighting. Stroitel'
no.1:12-13 Ja '57.   (MIRA 10:2)

(Electric lines--Poles)

SHERSTNEV, A.V.

Mechanized mass production of large wall blocks. Gor. khoz. Mosk. 31 no.3:7-11 Mr '57.   (MIRA 10:4)

1. Nachal'nik tekhnicheskogo otdela Glavmoszhelezobetona.
     (Moscow--Concrete plants)   (Building blocks)

SHERSTNEV, A.V., inzhener.

Production of large wall panels for housing construction in England.
Gor.khoz.Mosk. 31 no.6:36-39 Je '57.   (MLRA 10:7)
          (England--Precast concrete construction)

SHERSTNEV, A.V., inzh.

Assembly-line production of prestressed flooring panels. Gor. khoz.
Mosk. 32 no.4:28-32 Ap '58.   (MIRA 11:4)
                            (Prestressed concrete)

SHERSTNEV, A.V., inzh.

Production of wall panels in Czechoslovak plants. Gor. khoz. Mosk.
32 no.6:32-36 Je '58.   (MIRA 11:7)
                (Czechoslovakia—Concrete blocks)

SHERSTNEV, A.V.

Automatic curing of reinforced concrete products in steam
curing chambers. Bet.i zhel.-bet. no.1:11-15 Ja '60.
(MIRA 13:5)

1. Nachal'nik tekhnicheskogo otdela Upravleniya predpriyatiy
sbornogo zhelezobetona Glavmospromstroymaterialov.
          (Concrete--Curing)

SHERSTNEV, A.V., inzh.

Plants manufacturing precast reinforced concrete products in
England. Bet.1 zhel.-bet. no.7:333-336 Jl '60.   (MIRA 13:7)
(Great Britain--Precast concrete)

SHERSTNEV, A.V., inzh.

Plants manufacturing precast reinforced concrete in England.
Bet. i zhel.-bet. no.8:384-388 Ag '60.   (MIRA 13:8)
          (Great Britain—Precast concrete)

TSYGANKOV, TS.I., inzh., red.; SHERSTNEV, A.V., inzh., red.;
     STRASHNYKH, V.P., red. izd-va; KASIMOV, D.Ya., tekhn. red.

[Standards SN 220-62 for the technical design of enterprises
producing precast reinforced concrete elements in multiple
molds]Normy tekhnologicheskogo proektirovaniia predpriiatii
sbornykh zhelezobetonnykh izdelii s kassetnym sposobom proiz-
vodstva (SN 220-62). Moskva, Gosstroiizdat, 1962. 14 p.
                                        (MIRA 16:1)
1. Russia (1923- U.S.S.R.)Gosudarstvennyy komitet po delam
stroitel'stva.
               (Concrete plants—Standards)

SHEFSTNEV, A.V.

Postoperative pneumoperitoneum in an X-ray picture. Vest. rent.
i rad. 37 no.5:71 S-O '62.   (MIRA 17:12)

1. Iz zheleznodcrozhnoy bol'nitsy stantsii Buzuluk (nachal'nik
S.I. Dudos').

SHERSTNEV, B. F., Cand Med Sci -- (diss) "Colpoabdominal diaphano-
scopy in the diagnostics of disorders of extra-uterine pregnancy."
Sverdlovsk, 1960. 15 pp; (Sverdlovsk State Medical Inst); 260 copies;
price not given; (KL, 27-60, 160)

SHERSTNEV, Dmitriy Safronovich; FEDOROVO, Boris Dmitriyevich;
RASHKOVSKIY,Ya.Z., redaktor; SLAVOROSOV, A.Kh., redaktor;
NADEINSKAYA, A.A., tekhnicheskiy redaktor.

[Fundamentals of geodesy and mine surveying] Osnovy geodezii
i marksheiderskogo dela. Moskva, Ugletekhizdat, 1955. 203 p.
    (Surveying) (Mine surveying)   (MLRA 9:1)

SHERSTNEV, D.S., inzhener.

Motion picture "Preliminary training in safety engineering in coal mines."   Bezop.truda v prom. 1 no.7:39 Jl '57.   (MIRA 10:7)
(Coal mines and mining--Safety measures)
(Motion pictures in industry)

SUMIN, I.P.; ZOL'NIKOV, V.V.; BAYEV, G.G.; SHERSTNEV, D.M.; LITVIN, I.F.

Improving boring and blasting operations. Ugol' 39 no.12:32-35
D '64.   (MIRA 18:2)

1. VzryvPEU Kombinata Kuzbassugol' (for Sumin, Zol'nikov, Bayev).
2. Trest Belovugol' (for Sherstnev). 3. Bachatskiy ugol'nyy
kar'yev (for Litvin).

SHERSTNEV, D.S., inzh.; SHEVERDIN, P.G.

Preventing the breakthrough of water into a mine from abandoned
workings. Bezop. truda v prom. 5 no.8:3-4 Ag '61.   (MIRA 14:8)

1. Gosgortekhnadzor USSR.
           (Coal mines and mining--Safety measures)

KAZAKEVICH, T.I.; SHERSTNEV, I.Ya.

Machining uneven surfaces on planing machines. Stan.i instr. 24 no.11:
35-36 N '53. -
(MLRA 6:12)
(Planing machines)

AFONIN, Nikolay Semenovich; SHERSTNEV, I.Ya., red.; SAPAROVA, A.L., red.;
LARIONOV, G.Ye., tekhn. red.

[Reliability of electric service to industrial plants] Nadezhnost'
elektrosnabzheniia promyshlennykh predpriiatii. Moskva, Gos. energ.
izd-vo, 1958. 295 p.   (MIRA 11:9)
                    (Electric power distribution)

CHECHETKIN, Aleksandr Vasil'yevich; SKVORTSOV, S.A., kand. tekhn.
    nauk, retsenzent; SHERSTNEV, I.Ya., red.; FRIDKIN, L.M.,
    tekhn. red.

[High-temperature heat-transfer agents]Vysokotemperaturnye
teplonositeli. Izd.2., perer. i dop. Moskva, Gosenergo-
izdat, 1962. 423 p.   (MIRA 15:12)
                    (Heat--Transmission)

SHERSTNEV, K.M. (Kiyev)

The role of N.D.Strazhesko and his school in treating Soviet soldiers during the Great Patriotic War. Vrach.delo no.1:29-31 Ja '58.
(MIRA 11:3)

1. Ukrainskiy nauchno-issledovatel'skiy institut klinicheskoy meditsiny imeni akad. N.D.Strazhesko.
(WORLD WAR, 1939-1945--MEDICAL AND SANITARY AFFAIRS)

SHERSTNEV, K.M.

Organizational and methodological work of the Ukrainian Institute
of Clinical Medicine in the control of rheumatic fever and cardio-
vascular diseases in the Ukraine. Mat.po obm.nauch.inform. no.2:
177-180 '58.   (MIRA 13:6)

1. Iz organizatsionno-metodicheskogo otdela (zav. - K.M. Sherst-
nev) Ukrainskogo nauchno-issledovatel'skogo instituta kliniche-
skoy meditsiny, Kiyev.
    (UKRAINE--CARDIOVASCULAR SYSTEM--DISEASES)
    (RHEUMATIC FEVER)

SHERSTNEV, K.M.; GUSEVA, I.S., kand.med.nauk

Distribution of cardiovascular diseases in the Ukrainian S.S.R.
Mat.po obm.nauch.inform. no.2:173-176 '58.   (MIRA 13:6)

1. Iz organizatsionno-metodicheskogo otdela (zav. - K.M. Sherst-
nev) Ukrainskogo nauchno-issledovatel'skogo instituta klinicheskoy
meditsiny, Kiyev.
        (UKRAINE--CARDIOVASCULAR SYSTEM--DISEASES)

SHERSTNEV, K.M., (Kiyev)

> History of training for military medicine in medical institutes.
> Vrach.delo no.9:991-993 S'58   (MIRA 11:10)
>
> 1. Ukrainskiy institut klinicheskoy meditsiny imeni akademika
> N.D. Strazhesko.
> > (MEDICINE, MILITARY)
> > (MEDICINE.--STUDY AND TEACHING)

SHERSTNEV, K.M.; GUSEVA, I.S., kand.med.nauk (Kiyev)

Study of the incidence of cardiovascular diseases and rheumatic
fever in the urban population of Khmel'nitskiy Province in the
Ukraine in 1956. Vrach.delo no.12:1313-1317 D '59.   (MIRA 13:5)

1. Ukrainskiy nauchno-issledovatel'skiy institut klinicheskoy
medituiny im. akad. N.G. Strazhesko.
  (KHMEL'NITSKIY PROVINCE (UKRAINE)--CARDIOVASCULAR SYSTEM--DISEASES)
        (KHMEL'NITSKIY PROVINCE (UKRAINE)--RHEUMATIC FEVER)

SHERSTNEV, K.M. (Kiyev)

Links between the Institute and institutions of public health;
on the 25th anniversary of the Strazhesko Ukrainian Research
Institute of Clinical Medicine. Vrach. delo no.8:107-110 Ag '61.
(MIRA 15:3)

1. Ukrainskiy nauchno-issledovatel'skiy institut klinicheskoy
meditsiny imeni akademika N.D. Strazhesko.
(UKRAINE---MEDICAL COLLEGES)

32910
S/194/61/000/011/037/070
D256/D302

9.3/20 (1003, 1138, 1160)

AUTHOR: Sherstnev, L.G.

TITLE: Oxide-cathode surplus metal diffusion and the struc-
ture of the covering layer

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika,
no. 11, 1961, 3, abstract 11 G18 (Tr. Mosk. energ.
in-ta, 1961, no. 34, 307-314)

TEXT: The non-uniform density across the oxide layer and
its porous structure influence the reliability of experimental in-
vestigations of strontium and barium diffusion in oxide cathodes.
Diffusion investigation by means of evaporating a radioactive mater-
ial on the surface and tracing its diffusion inside the layer is un-
satisfactory and gives unreliable results. Accurate quantitative
investigation of the surplus metal diffusion is possible either by
controlling the layer density across its thickness or by fabricating
an artificial layer structure with a uniform density. 3 references.

Card 1/2

32911

S/194/61/000/011/038/070
D256/D302

$7,3120 (1103, 1138, 1160)$

AUTHOR: Yakinov, N.N. and Sherstnev, L.G.

TITLE: Investigation of diffusion processes in oxide cath-
               odes using radioactive tracers

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika,
               no. 11, 1961, 3, abstract 11 G19 (Tr. Mosk. energ.
               in-ta, 1961, no. 34, 315-322)

TEXT: Methods of investigating the surplus metal diffusion
in the cathode oxide layer are described, based upon the application
of radioactive tracers and using a modified medical microtome for
cutting thin slices of the oxide cover. Two layers of carbonate were
placed upon a flat surface of a nickel disc. The thin bottom layer
(5 to 10 μ) containing Ba^{140} or Sr^{89} was covered with a thick (~ 50
to 150 μ) layer of the usual oxide paste. In order to find condi-
tions for uniform density across the layer, covers were prepared
charged uniformly with Sr^{89}. The covers were pressed using 20, 40,

Card 1/2

32911
S/194/61/000/011/058/070
D256/D302

Investigation of diffusion...

80, 180 and 280 kg/cm^2 pressure. They were then cut into slices 5 and 10 μ thick and their activity was measured. Starting from a pressure of 80 kg/cm^2 the density becomes practically constant. The 2-layer cathodes were mounted into experimental vacuum tubes of a special construction with a number of anodes providing for the separate collection of the cathode evaporation products during the decomposition of the carbonate and the activation of the cathode, as well as during the following operation of the cathode at various temperatures from 800 to 1400°K. After opening the tube the cathode cover was soaked with paraffin and cut into 5 μ slices. By measuring the activity of the slices the amount of metal transported by diffusion was determined (up to $\sim 10^{-8}$). Examination of the method showed a good consistency of the results. 2 references. See also abstracts 11 G18 and 11 G20. $\big/$ Abstracter's note: Complete translation $\big/$

Card 2/2

32912

S/194/61/000/011/039/070
D256/D302

q, 3120 (1003, 1138, 1160)

AUTHOR: Sherstnev, L.G.

TITLE: Some results of an experimental investigation of
            barium and strontium diffusion in oxide cathodes

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika,
            no.11, 1961. 3, abstract 11 G20 (Tr. Mosk. energ.
            in-ta, no. 34, 323-334)

TEXT: The diffusion of Ba and Sr through the oxide layer
from the core of the cathode and layer surface was investigated,
taking into account the non-uniformity of the layer density and its
porous structure and using radioactive tracers and microtome slicing.
Investigation of the diffusion curves leads to a conclusion that at
least two processes are responsible for transportation of barium.
The first, a comparatively slow process, is responsible for trans-
portation of most of the metal by diffusion through the crystalline
structure of (BaSr)O. The second is a more rapid process connected

Card 1/2

KALIBERDA, V.M., kand. sel'skokhoz. nauk; SULIMOVSKIY, I.G., kand. sel'sko-
khoz. nauk; BUKHAN'KO, Ye.P.; LOGVINENKO, V.A., agronom; KOVALENKO,
A.P.; PODGORNYY, P.I., prof. zasluzhennyy deyatel' nauki Ukrainskoy
SSR; FEDOTOV, V.A., aspirant; KURBATOV, I.D., agronom; KOZEYEV, V.I.;
SHCHETININ, A.I.; KORCHAGIN, V.A., kand. sel'skokhoz. nauk;
SOGURENKO, V.P.; KOSTROV, K.A., kand. sel'skokhoz. nauk; DULYA, F.M.;
SHERSTNEV, N.F., aspirant

Crops preceding winter crops in various zones. Zemledelie 27 no.7:
26-45 Jl '65.   (MIRA 18:7)

1. Ukrainskaya sel'skokhozyaystvennaya akademiya (for Kaliberda).
2. Odesskiy sel'skokhozyaystvennyy institut (for Sulimovskiy).
3. Odesskaya oblastnaya sel'skokhozyaystvennaya opytnaya stantsiya
(for Bukhan'ko). 4. Kolkhoz imeni Kirova, Mar'inskogo rayona Do-
netskoy oblasti (for Logvinenko). 5. Donetskaya oblastnaya sel'sko-
khozyaystvennaya opytnaya stantsiya (for Kovalenko). 6. Voronezhskiy
sel'skokhozyaystvennyy institut (for Fedotov). 7. Alekseyevskoye
rayonnoye proizvodstvennoye upravleniye sel'skogo khozyaystva, Bel-
gorodskoy oblasti (for Kurbatov). 8. Bezenchukskaya sel'skokhozyayst-
vennaya opytnaya stantsiya (for Korchagin). 9. Direktor Bykovskoy
opytnoy stantsii bakhchevodstva (for Sogurenko). 10. Mordovskaya
sel'skokhozyaystvennaya opytnaya stantsiya (for Kostrov). 11. Direktor
sovkhoza "Khleborobnyy", Smolenskogo rayona, Altayskogo kraya (for
Dulya). 12. Altayskiy sel'skokhozyaystvennyy institut (for Sherstnev).

SHERSTNEV, N.M.

Studying causes of well cave-ins. Azerb.neft.khoz. 35 no.8:
6-8 Ag '56.   (MLRA 9:10)

(Oil well drilling) (Petroleum engineering)

PROTASOV, G.N., kand.tekhn.nauk; SHERSTNEV, N.M., inzh.

Study of causes of caving in wells and preventive methods. Trudy
AzNII DN no.5:7-23 '57.   (MIRA 12:4)
                        (Petroleum engineering)

PROTASOV, G.N., kand.tekhn.nauk; RUSTAMBEKOV, G.N., inzh.; BABAYEV, N.B., inzh.; SHERSTNEV, N.M., inzh.

Consolidated data on well sinking in the Kura Lowland and recommendations for increasing drilling rates and lowering the cost of drilling operations in the Kyurovdag field. Trudy AzNII DN no.5: 24-68 '57.   (MIRA 12:4)
        (Kura Lowland--Production methods)

SHERSTNEV, N.M., inzh.

Effect of the chemical treatment of clay-base fluids on the
peptization resistance of clay rocks. Trudy AzNII DN no.5:101-120
'57.   (MIRA 12:4)
                    (Oil well drilling fluids)
                        (Clay)

SHERSTNEV, M. ., C nd Tech Sci--(diss) "Analysis of drilling and

the study of landslide phenomena under geologic al/complicated conditions."

Baku, 1958. 11 pp (Min of Higher Education USSR. Azerbaydzhan Order

of Labor Red Banner Industrial Inst in M. Azizbekov), 100 copies

(KL,29-58,110)

14(5)   SOV/92-58-11-7/36

AUTHORS: Sherstnev, N.M., Engineer and Petrosyan N.M., Chief of the Pro-
               duction and Technical Section of a Drilling Office

TITLE: Selection and Consumption of Drill Bits (O podbore i raskhode
               burovykh dolot)

ABSTRACT: According to this article the drilling speed depends on the proper
              selection of the bit which is to be used for perforating a particu-
              lar formation. V.I. Tarasevich and N.N. Yadulayev devoted their
              study to the question of how much the depth at which wells are
              drilled at the Apsheron peninsula affected the per bit footage.
              Tarasevich came to the conclusion that the per bit footage changes
              with the drilling depth, and that this change has either a linear
              or a hyperbolic character. On the other hand, the analysis of
              Yadulayev led to the conclusion that this change has a parabolic
              character, and that the following equation can be used to determine
              how much the depth affects the per bit footage:

$$L = An^k \quad (1)$$

Card 1/3

Selection and Consumption of Drill Bits

Where L is the depth, n the number of bits, A - the coefficient, and k the exponent. The analysis of the used bits has confirmed the above-mentioned dependence and is shown by graphs in Fig. 1. It is based on the experience of using different bits in drilling the formations at the Prikurinsk depression. This dependence can be characterized as follows:

$$\text{for bit No } 10 \quad L = 418 \quad n^{.422} \quad (2)$$
$$12 \quad L = 297 \quad n^{.632} \quad (3)$$
$$14 \quad L = 150 \quad n^{.83} \quad (4)$$

Therefore in order to determine how much the drilling depth affects the per bit footage it is necessary to take into account, among other factors, the size of the bit. As a rule, the hardness of the rock increases with depth, but other factors also affect tectonics of formation as well. The authors analyzed the material relating to bits after they had been used for drilling wells at the Kyurovdag platform. The result of this analysis is shown in Table 1.

Card 2/3

14(5)

Selection and Consumption of Drill Bits

The parabolic dependence of curves in Fig. 2 and 3 is confirmed and can be indicated by the following equation:

$$n = 1.8 \cdot 10^{-6} \, L^{2.14} \quad (5)$$
$$n = 7.5 \cdot 10^{-6} \, L^{1.897} \quad (6)$$

In view of the varying hardness of rocks it is advisable to apply equations (5) and (6) for determining the number of bits needed to drill wells at the Kyurovdag platform. Moreover, the selection of bit cutters is also a factor of importance. In Table 2 the authors show the number of bits needed to drill a well as determined by the equation (6). In Table 3 the authors specify the percentage of sand and clay in formations of various horizons of the above-mentioned platform. There are 3 figures and 3 tables.

ASSOCIATION: Otdel bureniya AzNII i kontora bureniya tresta AzMNP (The AzNII Drilling Section, and the Production and Technical Section of the AzMNR Trust)

Card 3/3

SHAKUTIN, A. S.; SHERSTNEV, N. M.

Lowering of hydrostatic pressure in wells when drilling through highly absorptive horizons. Azerb. neft. khoz. 39 no.6:11-14 Je '60.   (MIRA 13:10)

(Hydrostatics)

SHERSTNEV, N.M.; PROTASOV, G.N.; ASKEROV, K.A.

Possibility of using weighting agents. Azerb. neft. khoz. 40
no.6:14-16 Je '61.   (MIRA 14:8)
             (Oil well drilling fliuds)

KASUM-ZADE, D.S.; YADULLAYEV, N.N.; SHERSTNEV, N.M.; ASKEROV, K.A.;
       DASHDAMIROV, F.A.; BAGIRYANTS, R.S.

Analysis of the performance of reduced-diameter bits and the
effectiveness of their use in the area of the Darwin-More Shoal.
Azerb.neft.khoz. 40 no.12:23-26 D '61.   (MIRA 15:8)
     (Apsheron Archipelogo—Oil well drilling, Submarine)

RUSTAMBEKOV, A.F.; KASUM-ZADE, D.S.; YADULLAYEV, N.N.; ASKEROV, A.G.;
        SHERSTNEV, N.M.

Practices in drilling wells of a simplified structure under
complex geological conditions in the Kyanizadag area. Azerb.
neft. khoz. 42 no.1:16-18 Ja '63.   (MIRA 16:10)

        (Azerbaijan—Oil well drilling)

SEID-RZA, M.K.; SHERSTNEV, N.M.; YADULLAYEV, N.M.; KHACHATUROV, A.A.

Effect of the magnetization of a drilling tool on the occurrence
of complications. Burenie no.11:12-14 '64.

(MIRA 18:5)

1. AzNIIburneft'.

KASUM-ZADE, D.S.; YADULLAYEV, N.N.; SHERSTNEV, N.M.; DZHALILOV, N.M.;
        TSYPIN, S.3.

        Analyzing the performance of bits and turbodrills in the
        Kyurovdag area. Sbor. nauch.-tekh. inform. Azerb. inst.
        nauch.-tekh. inform. Ser. Neft. prom. no.6:36-41 '63.
                                                        (MIRA 18:9)

SHERSTNEV, N.M.; ASKEROV, A.G.; RAGIMOV, N.A.

    Water permeability of clay coatings. Sbor. nauchl-tekh. inform.
    Azerb. inst. nauch.-tekh. inform. Ser. Neft. prom. no.6:86-94 '63.
                                              (MIRA 18:9)

SHERSTNEV, N.M.; DEDUSENKO, G.Ya.; PROTASOV, G.N.

Using hydrocyclones for removing sand and borings from light-weight muds. Sbor. nauch.-tekh. inform. Azerb. inst. nauch.-tekh. inform. Ser. Neft. prom. no.6:68-78 '63.   (MIRA 18:9)

SHERSTNEV, N.V.

New labor conditions in Pechora Basin mines. Ugol' 33 no.9:3-5
S '58.   (MIRA 12:1)

1.Deputat Verkhovnogo Soveta SSSR, nachal'nik kombinata Vorkutugol'
                (Pechora Basin—Coal mines and mining)

KHOKHLOV, Ivan Vasil'yevich, zasluzhennyy deyatel' nauki i tekhniki
Komi ASSR; SHERSTNEV, Nikolay Vasil'yevich, inzh.; FEDANOV,
Vladimir Petrovich, inzh., zasluzhennyy deyatel' nauki i
tekhniki Komi ASSR; ZAYTSEV, Sergey Ivanovich, inzh.;
SEREBRYANYY, A.G., otv.red.; OKHRIMENKO, V.A., red.izd-va;
SABITOV, A., tekhn.red.

[Mining of Pechora Basin coal deposits] Razrabotka ugol'nykh
mestorozhdenii Pechorskogo basseina. Moskva, Gos.nauchno-tekhn.
izd-vo lit-ry po gornomu delu, 1960.   289 p.

(MIRA 13:12)

(Pechora Basin--Coal mines and mining)

BUZHEVICH, G.A., kand.tekhn.nauk; SKRAMBAYEV, B.G., prof., red.;
CHERKINSKAYA, R.L., red.izd-va; SHERSTNEVA, N.V., tekhn.red.

[Studies of coarse-pored concrete based on porous aggregates]
Issledovaniia po krupnoporistomu betony na poristykh zapolniteliakh.
Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit. materialam,
1962. 129 p. (Akademiia stroitel'stva i arkhitektury SSSR.
Institut betona i zhelezobetona, Perovo, no.12).   (MIRA 15:8)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury
SSSR (for Skramtayev).
                    (Lightweight concrete)

DYRIN, T.Ye.; SHERSTNEV, V.P.; STARETS, R., red.; ANISIMOVA, R.,
        tekhn.red.

    [Machinery and electric industries of Tajikistan] Mashino-
    stroitel'naia i elektrotekhnicheskaia promyshlennost' Tadzhiki-
    stana. Stalinabad, Tadzhikgosizdat, 1961. 34 p.

                                            (MIRA 14:2)

        (Tajikistan--Machinery industry)
        (Tajikistan--Electric industries)

SHPAYER, A.M.; SHERSTNEV, V.Ye. (Moskva)

Speed up the introduction of practical widths in fabrics manufacture.
Shvein.prom. no.5:8-10 S-O '60.   (MIRA 13:12)
                              (Textile fabrics)

On the Influence Produced by Carnosin Upon
Phosphorylation Prosesses in Muscular Tissue

20-119-4-34/60

title in the case not only of healthy animals, but also
of animals suffering from tumors. He hoped to observe
any differences between the phosphorus-carbohydrate
exchange of the muscles of healthy and of ill animals.
This could be essential for the understanding of the
phenomena of malignant proliferation. Skeletal muscles
of healthy rabbits and of rabbits affected by a Broun-
-Pirs tumor (Brown-Pierce?), as well as of healthy rats
and of rats with an MOP tumor, furthermore the tissue
of the latter and the cardiac muscular tissue of rabbits
served as experimental material. The experiments of these
results (table 1) confirmed the data of Severin and others
(reference 3) that carnosin accelerates the estering of
inorganic phosphorus and the oxygen absorption by the
atheromatous muscle. The author obtained, however,
somewhat deviating results: 1) The fluctuations of the p_H-
-values between 7 and 8 cause considerable changes
of the last mentioned processes. 2) Carnosin does not
exercise immediate influence upon the intensity of respiration
and phosphorylation. The acceleration of these

Card 2/4

On the Influence Produced by Carnosin Upon   20-119-4-34/60
Phosphorylation Processes in Muscular Tissue

PRESENTED: December 2, 1957, by K. M. Bykov, Member, Academy of
                Sciences, USSR

SUBMITTED: April 20, 1957

Card 4/4

DERGACHEV, YE. L., BATURIN, L. H., PERYUSHINA, T. A., VOYVICHENKO, L. M. (USSR)

"The Site of Carnosine Synthesis in the Body."

Report presented at the 5th International Biochemistry Congress,
Moscow, 10-16 August 1961

COTROZHI , N.A.; JEMENTIEV, Ye.I.; VDOVICHENKO, L.M.

Carnosine formation in the liver and muscles of the frog.
Dokl, AN SSSR 141 no.1:232-235 N '61.   (MIRA 14:11)

          Inst onkologii Akademii meditsinskikh nauk SSSR.
          Predstavleno akademikom V.N.Chernigovskim.
                    (CARNOSINE)
                    (LIVER)
                    (MUSCLE)

SHERSTNEV, Ye.A.; KURILENOK, G.V.

Effect of boron on the content of free amino acids and on
the incorporation of C^{14}-tyrosine into the proteins of the
sunflower. Bot. zhur. 49 no.5:699-702 My '64.   (MIRA 17:8)

1. Botanicheskiy institut imeni V.L. Komarova AN SSSR, Leningrad.

MAMEDOVA, T.Kh.; SHERSTNEV, Ye.A.

Composition and biosynthesis of free ribonucleotides in
sunflower leaves. Fiziol.rast. 12 no.4:618-621 Jl-Ag '65.
(MIRA 18:12)

1. Botanicheskiy institut imeni V.L.Komarova AN SSSR, Leningrad.
Submitted October 15, 1964.

SHERSTNEV, Yu.V.

BUSHMANOV, B.N.; SHERSTNEV, Yu.V.

Using electronic zero-indicators for some laboratory experiments
in electricity. Trudy KAI 29:105-108 '55.   (MLRA 10:6)
                    (Electronic instruments)

SHERSTNEV, Ye.A.; KURILENOK, G.V.

Effect of boron on the incorporation of adnenine-C 14 into the
ribonucleic acid of sunflower leaves and roots. Dokl. AN SSSR
142 no.5:1201-1202 F '62.   (MIRA 15:2)

1. Botanicheskiy institut im. V.L.Komarova AN SSSR. Predstavleno
akademikom A.I.Oparinym.
                      (Plants, Effect of boron on)
                      (Nucleic acid metabolism)

SHERSTNEVA, A.

Kola Valley - Fur Farming

On the shores of the Kola. Sov. zhen.
No. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1952 1953, Uncl.

SHERSTNEVA, D.T., arkhitektor

In the northern district of Novyye Cheremushki. Gor.khoz.Mosk. 35
no.7:15-19 Jl '61.   (MIRA 14:7)
            (Moscow—City planning)

KUDRYAVITSKIY, G.Ya.; LINCHEVSKAYA, A.P.; ALEKSEYENKO, Z.N.; ANTSIFEROV,
D.P.; SVECHKAREVA, L.I.; DMITRIYEVA, V.I.; SHERSTNEVA, N.A.;
POPOVA, Ye.V.; TSOGOYEV, N.V., red.; GRISHNYAYEV, B.G., tekhn.red.

[Economy of Stavropol Territory; a statistical manual] Narodnoe
khoziaistvo Stavropol'skogo kraia; statisticheskii sbornik.
Krasnodar, Gosstatizdat, 1959. 310 p.   (MIRA 13:6)

1. Stavropol'skiy kray. Statisticheskoye upravleniye. 2. Sta-
tisticheskoye upravleniye Stavropol'skogo kraya (for Kudryavitskiy,
Linchevskaya, Alekseyenko, Antsiferov, Svechkareva, Dmitriyeva,
Sherstneva, Popova). 3. Nachal'nik Statisticheskogo upravleniya
Stavropol'skogo kraya (for TSogoyev).
            (Stavropol Territory--Statistics)

STRASHLYKH, V.P., red.izd-va; SHERSTNEVA, N.V.

[Instruction for the use of silicate paints in construction]
Instruktsiia po primeneniiu silikatnykh krasok v stroitel'-
stve. Moskva, Gosstroiizdat, 1963. 8 p.   (MIRA 17:1)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam
stroitel'stva.
     (Painting, Industrial--Equipment and supplies)

Phagocytosis

Effect of chemical and electric narcosis on phagocytosis, Arkhiv pat., 14, No. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, October 1952, Unclassified.

SHERSTNEVA, O.S.

Relation of the phagocytic reaction of leukocytes to their carbohydrate metabolism. [with summary in English]. Biul.eksp. biol. i med. 45 no.3:67-69 Mr'58   (MIRA 11:5)

1. Iz kafedry normal'noy fiziologii (zav. prof. A.A. Zubkov) Kishinesvkogo meditsinskogo instituta. Predstavlena deystvitel'nym chlenom AMN SSSR V.N. Chernigovskim.
      (PHAGOCYTOSIS, effect of drugs on,
          glucose & insulin (Rus))
      (GLUCOSE, effects
          on phagocytosis (Rus))
      (INSULIN, effect
          same)

SHERSTNEVA, O.S.

Phagocytic activity of leukocytes in experimental diabetes and
radiation sickness. Biul. eksp. biol. med. 47 no.5:56-60 My '59.
(MIRA 12:7)

1. Iz kafedry normal'noy fiziologii (zav. - prof. A.A. Zubkov)
Kishinevskogo meditsinskogo instituta. Predstavlena deystvitel'nym
chlenom AMN SSSR V. N. Chernigovskim).
        (DIABETES MELLITUS, exper.
            phagocytosis in irradiated animals (Rus))
        (RADIATIONs, eff.
            phagocytosis in diabetic irradiated animals (Rus))
        (PHAGOCYTOSIS,
            in diabetic irradiated animals (Rus))

SHERSTNEVA, O.S.

Dependence of the phagocytic activity of leukocytes on their respiratory phosphorylation. Biul. eksp. biol. i med. 50 no.7:64-66 Jl '60.

(MIRA 14:5)

1. Iz kafedry normal'noy fiziologii (zav. - prof. A.A.Zubkov) Kishinevskogo meditsinskogo instituta. Predstavlena deystvitel'nym chlenom AMN SSSR V.V. Parinym.

(PHAGOCYTOSIS)   (LEUKOCYTES)

SHERSTNEVA, O.S.

Effect of continuous lowering of metabolic energy in the focus
of the inflammation on the course and morphological picture of
experimental aseptic inflammation. Zdravookhranenie 4 no.5:38-
42 S-O '61.   (MIRA 14:11)

1. Iz kafedry normal'noy fiziologii (zav. prof. A.A.Zubkov)
Kishinevskogo meditsinskogo instituta.
              (INFLAMMATION)   (METABOLISM)

ALFEROVA, L.A., kand.tekhn.nauk; BONDAREVA, T.N.; SHERSTNEVA, V.A., inzh.;
IVANSKAYA, L.N., inzh.; GUSHCHINA, L.I.

Amount of acid waters formed in the manufacture of fatty acids.
Masl.-zhir.prom. 29 no.11:40-43 N '63.   (MIRA 16:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut vodosnabzheniya,
kanalizatsii, gidrotekhnicheskikh sooruzheniy i inzhenernoy gidro-
logii Akademii stroitel'stva i arkhitektury SSSR (for Alferova,
Bondareva). 2. Volgodonskoy filial Vsesoyuznogo nauchno-issledova-
tel'skogo i proyektnogo instituta sinteticheskikh zhirozameniteley
(for Sherstneva, Ivanskaya, Gushchina).

CHERFPAKHIN, N.A.; SHERSTNYAKOV, V.F.

Possible errors in determining some exploitation indices field
studies. Neft. khoz. 39 no.2:51-54 F '61.   (MIRA 17:2)

SHERSTNYAKOV, V.F.; KARPOV, V.P.

Two methods for solving the equations of the flow of bubble
point oil. Nauch.-tekh. sbor. po dob. nefti no.16:8-13 '62.
(MIRA 15:9)

1. Vsesoyuznyy neftegazovyy nauchno-issledovatel'skiy institut.
(Oil reservoir engineering)

SHERSTNYAKOV, V.F.; KHARCHENKO, V.M.

Investigating the flooding of live crude. Nauch.-tekh.
sbor.po dob.nefti no. 18:42-48 '62.   (MIRA 17:6)

SHERSTNYAKOV, V.F.; BOKSERMAN, A.A.

Volumetric elasticity of bubble-point oil. Nauch.-tekh.
sbor. po dob. nefti no.21:30-33 '63.   (MIRA 17:5)

1. Vsesoyuznyy neftegazovyy nauchno-issledovatel'skiy
institut.

KARPOV, V.P., SHERSTNYAKOV, V.F.

Determining phase permeabilities from field data. Nauch.-tekh.sbor.po dob.nefti no. 18:36-42 '62.   (MIRA 17:6)

SHERSTNYAKOV, V.F.

Equations for the development of oil fields under composite
conditions. Nauch.-tekh. sbor. po. dob. nefti no.24:74-79 '64.
(MIRA 17:10)

1. Vsesoyuznyy neftegazovyy nauchno-issledovatel'skiy institut.

SHERSTNYAKOV, V.F.

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1. Vsesoyuznyy neftegazovyy nauchno-issledovatel'skiy institut.

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