

PRIVOL'NEV, T.I.

Reaction of fish to light. Vop. ikht. no. 6:3-20 '56. (MLBA 9:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut ozernogo i  
rechnogo rybnogo khozyaystva.  
(Light--Physiological effect) (Fishes)

PRIVOL'NEV, T.I., doktor biol.nauk

Reaction to different intensity of light in fishes. Trudy sov.Ikht.  
kom. no.8:93-96 ' 58. (MIRA 11:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut ozernogo i rechnogo  
rybnogo khozyaystva.  
(Fishes--Habits and behavior) (Light--Physiological effect)  
(Conditioned response)

PRIVOL'NEV, T.I.; STREL'TSOVA, S.V.; BRIZINOVA, P.N.; OSTROJMOVA, I.N.;  
KOROLEVA, N.V.

Prevention of lipoid liver degeneration of the rainbow trout  
by adding phosphatides to its diet. Dokl. AN SSSR 156 no. 5:  
1241-1243 Je '64. (MIRA 17:6)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut ozernogo  
i rechnogo rybnogo khozyaystva, Leningrad.

PRIVOL'NEV, T.I.

Threshold of the oxygen concentration in water for fishes at various temperatures. Dokl. AN SSSR 151 no.2:439-440 J1 '63. (MIRA 16:7)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut ozernogo i rechnogo rybnogo khozyaystva, Leningrad. Predstavleno akademikom Ye.N.Pavlovskim.

(Water--Oxygen content) (Fishes)

PRIVOL'NEV, T.I.; STREL'TSOVA, S.V.; BRIZINOVA, P.M.; OSTROUMOVA, I.N.;  
KOROLEVA, N.V.

Adaptation of fishes to new conditions of the environment. Vop.  
skol. 5:180-181 '62. (MIRA 16:6)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut ozerogo  
i rechnogo rybnogo khozyaystva, Leningrad.  
(Fishes--Physiology) (Adaptation (Biology))

PRIVORA, M.; SYNEK, J.

On the disinfectant value of soap with hexachlorophene. Cesk.  
epidem. 12 no.4:249-253 JI '63.

1. Ustav epidemiologie a mikrobiologie v Praze.  
(SOAPS) (HEXACHLOROPHENE) (ANTISEPTICS)

POKORNY, J.; ZASTERA, M.; PRIVORA, M.; HUBNER, J.; JELEN, P.

Experiments on recovery of a breed of laboratory rats infected with *Leptospira icterohemorrhagica*. *Cesk. epidem.* 11 no.2:109-114 Mr '62.

1. Ustav epidemiologie a mikrobiologie v Praze, Vyzkumny ustav prirod-  
nich leziv v Praze.

(LEPTOSPIROSIS experimental)  
(OXYTETRACYCLINE pharmacol)  
(CHLORTETRACYCLINE pharmacol)

CERNY, E, MUDr.; HAVLIK, O. RNDr. [deceased]; CHLADEK, V, MVDr.; NOVOTNY, J, MUDr.;  
PECENKA, J.; MUDr.; PRIVORA, M., MUDr.; SYMON, K, MUDr.; SYRUCEK, L,  
MUDr.; VYMOLA, E, MUDr.; WEISER, J, RNDr.; WOLF, A. MUDr., doc.; RASKA, K.,  
prof., MUDr, redaktor.

Medical protection against biological warfare. Zdrav.  
aktuality 122:1-150 '63.

\*



POKORNY, J.; PRIVORA, M.; BUCHNA, J.

Results with disinfecting mixture of chlorine with syntapons  
and neokal. Cesk. epidem. mikrob. imun. 5 no.2:83-86 Apr 56.

I. Z Ustavu epidemiologie a mikrobiologie, Praha, red. prof.  
MUDr. K. Raska.

(ANTISEPTICS, HALOGEN,  
chlorinated alcohol sulfonates (Cz))

(DETERGENTS,  
alcohol sulfonates, antiseptic properties of  
chlorinated prep. (Cz))

PRIVORA, M.

PRIVORA, M., Dr.

Hexachlorocyclohexane as a non-toxic preparation. Cesk. epidem.  
mikrob. imun. 5 no.6:313-314 Nov 56.

1. Ustav epidemiologie a mikrobiologie Praha, red. prof. Dr.  
Karel Raska.

(BENZENE HEXACHLORIDE,  
non-tox. (Cz))

PRIVORA, M.

Spreading of parasitic intestinal diseases in children in  
Kosice. Cas. lek. cesk. 90 no.31:933-936 3 Aug 1951.  
(CIML 21:1)

1. Of the Institute of Medical Microbiology of the Medical  
Faculty of Slovak University Branch (Head -- L. Dubay, M.D.)  
and of the Microbiological Department of the State District  
Hospital, Kosice.

MISAR, Z.; NOVAK, V.; BERANOVA, I.; PRIVORA M.

Report on the mass incidence of *Odagmia ornata* in the Czechoslovakian SSR. *Cesk. epidem.* 13 no.4:253-254 J1 '64.

1. Okresni veterinarni zarizeni, Tachov; Entomologicky ustav Ceskoslovenskej akademie ved, Praha; Krajskejs hygienicko-epidemiologickej stanicy, Plzen; Ustav epidemiologie a mikrobiologie, Praha.

L 24731-65

11  
B+1 G/

AM1043712

BOOK EXPLOITATION

Raska, K. (Professor, Doctor of medical science); Havlik, O. (Doctor of natural science);  
Chladek, V. (Doctor of veterinary medicine); Novotny, J. (Doctor of medical science);  
Privora, M. (Doctor of medical science); Symon, K. (Doctor of medical science);  
Weiser, J. (Doctor of natural science); Wolf, A. (Doctor of medical science), comps.

Health protection in biological warfare (Der gesundheitsschutz im biologischen Krieg)  
Berlin, VEB VVG, 1962. 163 p. illus., biblio. No. of copies printed not given.  
Rev. translation of Zdravotnicka obrana proti biologické válce. Prague, S7dN,  
1958. Not in LC.

TOPIC TAGS: biological warfare, civil defense, military medicine

PURPOSE AND COVERAGE: This book is intended for physicians, medical personnel, and  
general readers to acquaint them with biological warfare. Methods of protection

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AMLOH3712

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Improvised installation for drink water procurement -- 158

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SUB CODE: CB

SUBMITTED: 0000058

NO REF SOV: 004

OTHER: CL6

Card 7/7

PRIVORA, M.; SAMSINAK, K.

Studies on ectoparasites in rodents in Czechoslovakia.  
Cesk. epidem. mikrob. imun. 5 no.1:34-36 Mar 56.

1. Z Ustavu epidemiologie a mikrobiologie a z Biologickeho  
ustavu CSAV, laboratore pathologie hmyzu v Praze.

(PARASITES,

ectoparasites in rats in Czech. (Cz))

(RATS,

ectoparasites in Czech. (Cz))

*PR* PRIVORA, M.

RASKA, K.; SYRUCEK, L.; SOBESLAVSKY, O.; POKORNY, J.; PRIVORA, M.; HAVLIK, O.;  
LIM, D.; ZASTERA, M.

Rodents of epizootology of Q rickettsiosis. Cesk. epidem. mikrob.  
immn. 5 no.5:246-250 Sept 56.

1. Ustav epidemiologie a mikrobiologie, Praha, red. prof. Dr.  
K. Raska.

(Q FEVER, epidemiol.  
in Czech., role of rodents in epizootology (Cz))  
(RODENTS  
role in epizootology of Q fever in Czech. (Cz))

PRIVORA, M.: SAMSINAK, K.

~~PRIVORA, M.~~  
Mites as a plague of the mankind. J. Hyg. Epidem., Praha 1 no.4:423-430 1957.

1. Institut für Epidemiologie und Mikrobiologie, Prag. Biologisches Institut der Akademie der Wissenschaften, Prag.

(MITES,  
distribution & control in Czech. (Ger))

PRIVORA, Miroslav

Epidemiological significance of synanthropic rodents. Cesk. epidem.  
mikrob. imun. 7 no.5:326-330 Sept 58.

1. Ministerstvo zdravotnictvi, hyg. a protiepid odbor.  
(RATS,  
transm. of commun. dis. (Cz))  
(COMMUNICABLE DISEASES, transm.  
by rats (Cz))

PRIVORA, M.; VYCHODIL, J.

Field insect control by means of hot oil aerosols. Effect on ticks  
*Ixodes ricinus* L. *Cesk.epidem.mikrob.imun.* 9 no.1:30-33 Ja '60.

1. Ministerstvo zdravotnictvi, Krajska hygienicko-epidemiologicka  
stanice v Ceskych Budejovicich.

(TICKS)

(INSECT CONTROL)



PRIVORA, M.; RADOVA, E.

Study on insecticide resistance of flies in Czechoslovakia. J hyg.  
epidem. 6 no.3:265-270 '62.

1. Institute of Epidemiology and Microbiology, Prague.  
(INSECTICIDES) (DIPTERA)

PRIVORAA, M.; VYCHODIL, J.

Field use of hot oil aerosols. I. Mosquito control. Cesk. epidem.  
mikrob. imun. 8 no.3:208-211 May 59.

1. Ministerstvo zdravotnictvi-----Krajska hygienicko-epidemiologicka  
stanice v Ceskych Budejovicich.

(MOSQUITOS,  
eradication with hot oil aerosols (Cz))

(OILS,  
hot oil aerosols in mosquito control (Cz))

PESCHANSKIY, V.G.; PRIVOROTSKIY, I.A.

Absorption of ultrasonic waves by metals in electric and  
magnetic fields. Fiz. met. i metalloved. 12 no.3:327-330  
S '61. (MIRA 14:9)

1. Khar'kovskiy gosudarstvennyy universitet imeni A.M.  
Gor'kogo.  
(Ultrasonic waves) (Absorption)

89216

S/056/61/040/001/022/037  
B102/B212

24,7500 (1136,1143,1160)

AUTHORS: Kaner, E. A., Peschanskiy, V. G., Privorotakiy, I. A.

TITLE: Theory of magnetoacoustic resonance in metals

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 40,  
no. 1, 1961, 214-226

TEXT: Sound waves generate a field in metals which is spatially periodic; if there is an outer magnetic field  $\vec{H}(0,0,H)$ , this periodicity will lead to a non-monotonic dependence of the ultrasonic absorption coefficient  $\alpha$  on  $H$ . This effect has been first explained by Pippard. V. L. Gurevich has developed a theory of this phenomenon for closed Fermi surfaces, and he has shown that there can exist two types of periodicity of  $\alpha$  as a function of  $H^{-1}$ : Harmonic oscillations (here called non-resonance oscillations), and smooth periodic decreases. The effect of resonance absorption of ultrasonics in metals studied here is of a novel type as to its nature. In many respects the mechanism of this magnetoacoustic resonance is in many respects analogous to that of a cyclotron resonance in metals; it is, however, not a

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Theory of magnetoacoustic resonance...

function of the time periodicity but a function of the spatial periodicity of the field in metals. A magnetoacoustic resonance will take place if the electron velocity in the direction of the wave vector  $\vec{k}$ , averaged over the period  $T$  of motion in the magnetic field, is not zero. For closed electron trajectories this will occur only if  $\vec{k}$  and  $\vec{H}$  are not at right angles; for open trajectories resonance can be found even if  $\vec{k} \perp \vec{H}$  provided  $\vec{k}$  is not parallel to the trajectory. Calculations have been done both for open and closed electron trajectories. At first a general formula for the absorption coefficient is derived by using results of Gurevich, A. I. Akhiezer, M. I. Kaganov, and G. Ya. Lyubarskiy; the resonance absorption of ultrasonics is then examined. Position, width, and height of resonance peaks are determined as functions of frequency, magnetic field strength, Fermi surface structure, field orientation, and direction of sound propagation relative to the crystallographic axes. A distinct dependence between angle and absorption coefficient has been determined. The magnetoacoustic resonance is very well suited to determine topology and shape of Fermi surfaces in metals.

a) The resonance oscillations of the non-resonance type for  $\vec{k} \perp \vec{H}$ , are related to the existence of open periodic trajectories with a given  $\vec{H}$

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S/056/61/040/001/022/037  
B102/B212

Theory of magnetoacoustic resonance...

direction. Resonance at  $\vec{k}\vec{H} \neq 0$  points to a non-convexity of the Fermi surface; i.e., the law of dispersion deviates considerably from a quadratic form. b) If there are open periodic trajectories for a given direction of  $\vec{H}$  then a distinct maximum will be observed on the rotational diagram of  $\vec{k}$  in the plane  $\vec{k} \perp \vec{H}$ , if  $\vec{k}$  is parallel to the open periodic trajectory. The maximum in question is a principal maximum, and its position is not a function of  $|\vec{H}|$ ; the position of the secondary maxima is shifted as  $|\vec{H}|$  changes. For closed trajectories, if  $\vec{k} \perp \vec{H}$ , the absorption is nearly isotropic, and no resonance oscillation will occur. c) In order to determine the shape of the Fermi surfaces, the non-resonance oscillation of the harmonic type can be used and its period is determined by the extremal dimensions of the Fermi surface in the  $[\vec{k}\vec{H}]$  direction. A strong anisotropy in the angular dependence of the amplitudes of the non-resonance oscillations, due to open periodic trajectories, permits the determination of the extremal dimensions of open and closed trajectories separately. Experimental results (e.g. of A. A. Galkin and A. P. Korolyuk) agree well with theoretical predictions. The authors thank L. D. Landau, I. M. Lifshits, M. I. Kaganov, and V. L. Gurevich for discussions. There are 4 figures, 1 table and 12

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89216

Theory of magnetoacoustic resonance...

S/056/61/040/001/022/037  
B102/B212

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references: 10 Soviet-bloc and 2 non-Soviet-bloc.

ASSOCIATION: Institut radiofiziki i elektroniki Akademii nauk Ukrainskoy SSR (Institute of Radiophysics and Electronics, Academy of Sciences Ukrainskaya SSR). Khar'kovskiy gosudarstvennyy universitet (Khar'kov State University)

SUBMITTED: July 9, 1960

Card 4/4

S/056/62/042/002/023/05  
B108/B104

AUTHOR: Privorotskiy, I. A.  
TITLE: Anisotropy of ultrasonic absorption in superconductors  
PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 42,  
no. 2, 1962, 450 - 456

TEXT: The ultrasonic absorption coefficient of superconductors in the case of infinite electron path depends only on the minimum of the energy gap of the quasiparticles along the line  $\vec{k}\vec{v} = 0$  on the Fermi surface ( $\vec{k}$  is the wave vector of the sound,  $\vec{v}$  is the electron velocity). It is therefore possible to establish the temperature and angular dependences of the energy gap in the case of not too complex Fermi surfaces. For such a purpose it is convenient to study the absorption coefficient of a superconducting plate whose thickness is small as compared to the free path of the excitations. It is shown that the absorption coefficient is highly anisotropic at low temperatures. With the aid of the classical equation of motion, the absorption coefficient in the general case  $R \neq 1$  is derived as

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Anisotropy of ultrasonic ...

S/056/62/042/002/023/055  
B108/B104

$$\alpha_s = \frac{2}{h^3 W} \int v' |\chi|^2 n_0(\Delta) \frac{dS}{|\partial \epsilon / \partial \mathbf{p}|}, \quad (12)$$

which has to be integrated over the Fermi surface.  $W$  is the sound energy density,  $v' = v \sqrt{\epsilon} / \epsilon$  is the excitation-impurity collision frequency,  $v$  is the electron collision frequency,  $\xi(\vec{p})$  is the Fermi energy minus electron energy,  $\vec{p}$  is the quasimomentum,  $dS$  is the area element on an isoenergetic surface,  $\epsilon$  is the excitation energy,  $\Delta(\vec{p})$  is the gap, and  $R$  is the reflection factor. V. G. Peshanskiy and M. I. Kaganov are thanked for help and discussions. Mention is made of N. V. Zavaritskiy (ZhETF, 37, 1507, 1959; ZhETF, 39, 1193, 1960), P. A. Bezuglyy, A. A. Galkin, A. P. Korolyuk (ZhETF, 39, 7, 1960), A. I. Akhiezer, M. I. Kaganov, G. Ya. Lyubarskiy (ZhETF, 32, 837, 1957), V. L. Pokrovskiy (ZhETF, 40, 898, 1961), and I. M. Khalatnikov (ZhETF, 36, 1818, 1959). There are 12 references: 11 Soviet and 1 non-Soviet. The reference to the English-language publication reads as follows: J. Bardeen, L. N. Cooper, J. R. Schrieffer. Card 2/3

Anisotropy of ultrasonic...

S/056/62/012/002/023/055  
B108/B104

Phys. Rev., 108, 1175, 1957.

ASSOCIATION: Khar'kovskiy politekhnicheskii institut (Khar'kov Polytechnic  
Institute)

SUBMITTED: May 19, 1961

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Card 3/3

L 22838-66 EWT(m) DIAAP

ACC NR: AP6004941

SOURCE CODE: UR/0056/66/050/001/0232/0242

AUTHOR: Privorotskiy, I. A.; Chesnokov, S. V.

ORG: Physicotechnical Institute GKIAE SSSR (Fiziko-tehnicheskiy institute GKIAE SSSR)

TITLE: Concerning pairing with nonzero orbital angular momentum

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 50, no. 1, 1966, 232-242

TOPIC TAGS: superconductivity, superfluidity, excited state, forbidden band, anisotropic medium, spin orbit coupling

ABSTRACT: The authors investigated two-particle excitations in the case of pairing with angular momentum  $l = 2$ , a state that can possibly be realized in liquid  $He^3$ . The study was undertaken for the purpose of examining the stability of the anisotropic state of a system with Cooper pairing more thoroughly than in the past, and to obtain additional arguments in favor of the theory with anisotropic energy gap, discussed by one of the authors earlier (Privorotskiy, ZhETF v. 44, 1401, 1965), since stability against single- and two-particle excitations is proof that the state in question can be at least metastable. The analysis is confined to zero temperature and to weak interaction. It is shown that two-particle excitations

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ACC NR: AF6004941

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have no energy gap at all in such a system, and that the two-particle excitation spectrum satisfies the Landau superfluidity condition. The authors thank A. I. Larkin for numerous discussions of the problems touched upon and L. P. Pitayevskiy for a discussion of the results. Orig. art. has: 49 formulas.

SUB CODE: 20/    SUBM DATE: 02Aug65/    ORIG REF: 007/    OTH REF: 003

Card 2/2 W

PRIVOROTSKIY, I.A.

Breakdown of the superfluidity of He<sup>3</sup> in a magnetic field.  
Zhur. eksp. i teor. fiz. 48 no.2:723-730 F '65.  
(MIRA 18:11)

L 48583-65 EWT(l)/EWT(m)/EPF(o)/ENP(t)/ENP(b) Pr-4 IJP(o) JD/GG S/0056/65/048/002/0723/0730

ACCESSION NR: AP5006525

AUTHOR: Privorotskiy, I. A.

TITLE: Destruction of superfluidity of He<sup>3</sup> in a magnetic field

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 48, no. 2, 1965, 723-730

TOPIC TAGS: superfluid helium, superfluid destruction, magnetic superfluid destruction, superconductivity

ABSTRACT: It is shown that in a strong magnetic field (of the order of  $3-5 \times 10^4$  Oersted) superfluidity of liquid He<sup>3</sup> should be destroyed since formation of Cooper pairs becomes unfavorable. Destruction of superfluidity in the presence of the magnetic field of the order of  $3-5 \times 10^4$  Oersted is observed.

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superfluidity by a magnetic field

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ACCESSION NR: AP5006525

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conductors of the second kind. In this case  $H_{c2} < H_c < H_{c1}$  and for  $H > H_{c2}$  formation of normal phase layers becomes advantageous. Liquid  $He^3$  completely changes into the normal state in a field  $H > H_{c1}$ . "The author expresses gratitude to L. P. Gor'kov and L. P. Pitayevskiy for discussion of this work." Orig. art. has: 36

L 14832-65 EWT(l)/EWT(m)/T/EEC(b)-2/EWA(h) IJP(c)/AFWL/SSD/ASD(a)-5/AS(mp)-2/  
ESD(dp)/ESD(gs)/ESD(t)

ACCESSION NR: AP4047922

S/0056/64/047/004/1544/1549

AUTHOR: Privorotskiy, I. A.

B

TITLE: Contribution to the theory of neutron scattering is dis-  
ordered crystals 21

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 47,  
no. 4, 1964, 1544-1549

TOPIC TAGS: phonon, neutron scattering, <sup>19</sup>inelastic scattering, mag-  
non, solid solution, differential cross section, spectral density,  
impurity band, spin wave

ABSTRACT: The inelastic single-phonon (or single-magnon) scattering  
of neutrons in disordered solid solutions is considered at low im-  
purity concentrations. This scattering is accompanied by excitation  
of oscillations having one of the impurity frequencies in the crys-  
tal. It is shown that the differential cross sections for these pro-

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L 14832-65  
ACCESSION NR: AP4047922

2

cesses are proportional to the spectral density in the impurity band. This deduction does not depend on the features of the systematics of the localized states. Consequently, the investigation of these phenomena can serve as a method of determining the spectral density in the impurity band near the natural frequencies, where the spectral density is of greatest interest since most of the integral intensity is concentrated in it. The inelastic scattering of the neutrons is accompanied by emission of a localized phonon or a spin wave. "I am grateful to I. M. Lifshits, and I. M. Kaganov for a discussion of the work." Orig. art. has: 21 formulas.

ASSOCIATION: None

SUBMITTED: 23 Apr 64

ENCL: 00

SUB CODE: SS

NR REF SOV: 005

OTHER: 007

Card 2/2

ACCESSION NR: AP4009119

S/0056/63/045/006/1960/1966

AUTHOR: Privorotskiy, I. A.

TITLE: Magnetic properties of superconductors in comparison with nonzero momentum. Knight shift theory.

SOURCE: Zhurnal eksper. i teoret. fiziki, v. 45, no. 6, 1963, 1960-1966

TOPIC TAGS: Superconductivity, superconductor, superconductor magnetic properties, Knight shift, Cooper pair, Cooper pair spin, nonzero angular momentum, paramagnetic susceptibility, triplet state

ABSTRACT: In view of the absence of experimental evidence to date that the spin of Cooper pairs is zero, since experiments that give information about the spin of the pairs can be explained by assuming them to be formed in the triplet state, the author develops a theory of the Knight shift in superconductors with formation of pairs with nonzero angular momentum taken into account. According

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ACCESSION NR: AP4009119

to this theory, the Knight shift, which is proportional to the spin paramagnetic susceptibility of the conduction electrons, does not vanish at zero temperature if the pairing is in the triplet state. The paramagnetic susceptibility of such a superconductor as calculated with this theory is shown to be in good agreement with the theory. It is pointed out that measurements of the anisotropy of the Knight shift in single crystal samples can yield not only information about the Cooper-pair spin but also about the properties of the interaction between the electrons. "I thank I. M. Lifshits, M. I. Kaganov, and L. P. Gor'kov for discussions of the results." Orig. art. has: 34 formulas.

ASSOCIATION: None

SUBMITTED: 28May63

DATE ACQ: 02Feb64

ENCL: 00

SUB CODE: PH

NO REF SOV: 009

OTHER: 009

Card 2/2

S/056/63/044/004/038/044  
B102/B186

AUTHOR: Privorotkiy, I. A.

TITLE: The problem of pairing with non-zero angular momentum in Fermi systems

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 44, no. 4, 1963, 1401 - 1408

TEXT: The properties of a Fermi system with interaction of pairs of non-zero angular momentum are investigated by a method based on the reduced Hamiltonian (Bardeen, Cooper, Schrieffer) and the technique of uncoupling the Green-function chain equations (ZhETF, 40, 1124, 1961; 34, 735, 1958). Solutions are obtained for the case of an isotropic as well as for that of an anisotropic gap, and are analyzed separately. These solutions were obtained on uncoupling a three-particle Green function, and a closed system for one- and two-particle Green functions is obtained. The solutions of the infinite equation chain are then analyzed in order to determine the asymptotic accuracy of the solutions for the reduced Hamiltonian. It can be shown that the solution with the anisotropic gap is asymptotically exact. The difficulties appearing in deriving the solutions with the isotropic gap

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The problem of pairing with...

S/056/63/044/004/038/044  
B102/B186

are also discussed.

ASSOCIATION: Fiziko-tehnicheskiy institut Akademii nauk Gruzinskoy SSR  
(Physicotechnical Institute of the Academy of Sciences  
Gruzinskaya SSR)

SUBMITTED: November 30, 1962

Card 2/2

PRIVOROTSKIY, I.A.

Theory of the absorption of ultrasound in superconductors.  
Zhur. eksp. i teor. fiz. 43 no.4:1331-1338 0 '62. (MIRA 15:11)  
(Absorption of sound)  
(Superconductivity)

44241

S/056/62/043/006/048/067  
B111/B102

BY 2140

AUTHOR: Privorotskiy, I. A.

TITLE: Possibility of superconductivity in antiferromagnetics

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 43,  
no. 6 (12), 1962, 2255 - 2260

TEXT: The superconductivity of antiferromagnetics (Ru) is assumed to be due to the exchange of spin waves between the conduction electrons. The interaction is found to be repulsive if the electron pair is in the singlet state and attractive if in the triplet state as the total spin projection vanishes. Attraction is greatest in the P-state. The calculations are based on a paper by L. P. Gor'kov and V. M. Galitskiy (ZhETF, 40, 1124, 1961) and by L. P. Gor'kov (ZhETF, 34, 735, 1958). By reference to the s-d-exchange model, the interaction between the conduction electrons and the lattice is described by:

$$H_{int} = \sum_{\alpha} \int d^3\vec{r} \psi_{\alpha}^{(+)}(\vec{r}) H(\vec{r}) \psi_{\alpha}(\vec{r}) -$$

Card 1/4

S/056/62/043/006/048/067

B111/B102

Possibility of superconductivity in ...

$$\begin{aligned}
 H_{int} = I \left( \frac{2\mu_0}{M_0 V} \right)^{1/2} \sum_{p,q} \frac{\sqrt{\omega_q}}{(A_q + \omega_q)^{1/2} + (A_q - \omega_q)^{1/2}} \times & \quad (11) \\
 \times \{ a_{p+q,-}^+ a_{p,+} (b_q^{(2)} + e^{2i\varphi_q} b_q^{(1)}) + a_{p+q,+}^+ a_{p,-} \times & \\
 \times (e^{-2i\varphi_q} b_q^{(2)} - b_q^{(1)}) + a_{p-q,+}^+ a_{p,-} (b_q^{(2)} + e^{-2i\varphi_q} b_q^{(1)}) + & \\
 + a_{p-q,-}^+ a_{p,+} (e^{2i\varphi_q} b_q^{(2)} - b_q^{(1)}) \}. &
 \end{aligned}$$

where  $\mu$  is the number of line splittings,  $I$  is the parameter of the sd-interaction,  $M_0$  is the maximum magnetization of the lattice,  $V$  is the crystal volume,  $\omega_q$  is the energy of the lattice vibrations,  $\vec{q}$  is the spin wave momentum,  $A_q = \mu M_0 (\delta + \beta + \alpha q^2)$ ;  $\alpha, \beta, \delta$  are positive constants,  $a_{\vec{p}}^+, a_{\vec{p}}^-$  are the production and annihilation operators of the electrons having the momentum  $\vec{p}$ . The indices  $+$  and  $-$  refer to the spin projection,  $b, b^+$  are the production and annihilation operators of the spin waves,  $\varphi_{\vec{q}}$  is the polarization angle of the vector  $\vec{q}$ . The indices (1), (2) indicate the two possible types of vibration. The direct interaction between those electrons whose directions of momenta are mutually opposed is described by Card 2/4



Possibility of superconductivity in ...

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$$H_{red} = \frac{1}{2V} \sum_{p, p', q} V(p, p') a_{p', q}^{\dagger} a_{-p, q}^{\dagger} a_{p, q} a_{-p', q} \quad (14)$$

$$V(p, p') = \frac{4\pi^2 \mu \omega_q^2}{M_0 A_q + B_q} \frac{1}{\omega_q^2 - (\xi_p - \xi_{p'})^2}, \quad q = p + p' \quad (15)$$

where  $B_q = \sqrt{A_q^2 - \omega_q^2}$  and  $\xi_p$  are the electron energy (referred to the Fermi energy). The author's further development of (14), (15) is based on the works mentioned above. The change in energy caused by interaction satisfies the equation:  $\Delta(p) = \frac{1}{(2\pi)^2} \int V_1(p, p') \frac{\Delta(p')}{\xi(p')} p'^2 dp'$ , where

$V(\vec{p}, \vec{p}') = \sum_l (2l + 1) V_l(p, p') P_l(\cos \hat{p}\hat{p}')$  and  $\xi(p) = \sqrt{\Delta^2(p) + \xi_p^2}$  are excitation energies. For  $V_l$  the following equations hold

$$V_l = (-1)^{l+1} \frac{1}{2^l} \frac{p^2}{bM_0^2} \int_{-1}^{+1} \frac{(1-x^2)^l}{(x+a/b)^{l+1}} dx, \quad (23)$$

Card 3/4

$$a = \delta + (\alpha + \alpha_{12}) p_0^2, \quad b = (\alpha + \alpha_{12}) p_0^2. \quad (24)$$

Possibility of superconductivity in ...

S/056/62/043/006/048/067  
B111/B102

Since  $V_l$  is positive for  $l = 2n + 1$  and negative for  $l = 2n$ , the interaction causes the electrons to be attractive in the triplet state and repulsive in the singlet state, and since  $|V_{l+1}| < |V_l|$ , the maximum attraction occurs in the P-state ( $l = 1$ ).

$V_1 = \frac{I^2}{\mu_0 b} \left[ \frac{a}{b} \ln \frac{a+b}{a-b} - 2 \right]$ . Finally, the "potential" of phonon interaction between the electrons is given:  $V_{ph} = g^2 \omega_q^2 / [\omega_q^2 - (\epsilon_p - \epsilon_{p'})^2]$ , where  $g$  is the phonon coupling constant,  $\vec{q} = \vec{p} - \vec{p}'$ ,  $\omega_q$  is the frequency of phonons having the momentum  $\vec{q}$ . For  $g^2 + V_0 > V_1$ , the formation of Cooper pairs in the S-state is possible.

SUBMITTED: July 5, 1962

Card 4/4

PRIVOROTSKIY, L.B.; PAVLOV, Yu.N.

Device for plotting graduation lines. Mashinostroitel' no.3:41  
Mr '62. (MIRA 15:3)

(Calibration)

CZECHOSLOVAKIA

R. PRYK and I. DVORACKOVA, Infectious Diseases Clinic (infekcni klinika,) Head (prednosta) Docent Dr J. GRUBACEK; and Department of Pathological Anatomy (Patologickoanatomicky ustav) Head Prof Dr A. FINGELAND, Dr Sc, Medical Faculty (Lekarska fakulta) KU [Karlova Univerzita, Charles University] Brno Kralove.

"Diagnosis of Acute Thallium Poisoning."

Prague, Casopis Lekaru Ceskych, Vol 152, No 2, 11 Jan 63; pp 46-51.

Abstract [English summary modified]: Description and discussion of two cases. The first was accidental ingestion of rat poison containing 2% Tl sulfate by woman aged 22 who then showed typical symptoms including alopecia and leukonychia so that it was diagnosed without difficulty, but still required 6 months' hospitalization with residual polymyocytic motor impairment. The second case, woman aged 63, had very perplexing polymyocytic symptoms (tentative diagnosis botulism) and died suddenly in respiratory paralysis and cardiovascular failure after receiving botulin antitoxin; spectrography of brain revealed Tl, eventual forensic decision suicide. 26 Western, 11 Czech, 1 Polish reference. 1/1

PRIX, R.; DVORACKOVA, I.

Contribution to the diagnosis of acute thallium poisoning. Cas. lek.  
cesk. 102 no.2:46-51 11 Ja '63.

1. Infekcni klinika lekarske fakulty KU v Hradci Kralove, prednosta  
doc. dr. J. Ondracek Patologickananatomicky ustav lekarske fakulty KU  
v Hradci Kralove, prednosta prof. dr. A. Fingerland, DrSc.  
(THALLIUM) (URINE) (FECES) (DIAGNOSIS)  
(POLYNEURITIS)

ONDRACEK, Jaroslav; DVORAK, Jaroslav; PRIX, Rudolf

On the problem of generalized candidiasis. Cas. lek. cesk. 99  
no.25:781-784 17 Je '60.

1. Klinika nemoci infekcnich, prednosta doc. MUDr. Jaroslav Ondracek  
a katedra mikrobiologie a epidemiologie Lekarske fakulty KU v Hradci.  
Kralove, prednosta doc. MUDr. Karle Makovicka.  
(MONILIASIS case reports)

PRIX, Rudolf; TURKOVA, Milada; PRIXOVA, Jitka

Contribution to the problem of influenza pneumonia. Sborn. ved.  
prac. lek. fak. Karlov. Univ. 8 no.5:563-574 '65

1. Infekční klinika (prednosta - prof. MUDr. J. Ondracek) a  
Katedra lékařské mikrobiologie (prednosta - MUDr. O. Vejbona)  
v Hradci Kralove.

PRIX, R.; KYNTERA, F.

Tularemia in the region of Hradec Kralove. Contribution to the diagnosis of internal forms of tularemia. Cas lek. cesk. 103 no.39:1065-1070 25 S '64.

1. Klinika nemoci infekcnich lekarske fakulty Karlovy University v Hradci Kralove (prednosta prof. dr. J. Ondracek) a Vojensky lekarsky vyzkumny a doskolovaci ustav University J.E. Purkyne v Hradci Kralove, katedra vojenske epidemiologie (nacelnik pplk. MUDr. F. Kyntera, CSc).



PRIX, Rudolf; TURKOVA, Milada; PRIXOVA, Jitka

Contribution to the problem of influenza pneumonia. Sborn. ved.  
prac. lek. fak. Karlov. Univ. 8 no.5:563-574 '65

1. Infekční klinika (prednosta - prof. MUDr. J. Ondracek) a  
Katedra lékařské mikrobiologie (prednosta - MUDr. O. Vejbona)  
v Hradci Kralove.

PRIYAMPOL'SKIY, P. K.

Priyampol'skiy, P. K.

"Jute in Odessa Oblast." Min Higher Education USSR. Odessa Agricultural  
Inst. Odessa, 1955 (Dissertation for the degree of Candidate in  
Agricultural Sciences)

SO: Knizhnaya letopis' No. 27, 2 July 1955

*PRIYATEL', I.*

PRIYATEL', I., inzhener.

Basic feeder for sheep. Sel'.stroj. 12 no.5:27 My '57. (MIRA 10:7)  
(Farm equipment)

PRIYATKIN, A.A.

Some problems of the geology and petrology of granitoids in  
the Greater Khingan Mountains (North China). Vest. LGU. 18  
no.18:57-67 '63. (MIRA 16:11)

PRIYATKIN, A.A.

Absolute temperature of the crystallization of granitoids as  
revealed by a study of granitoids in the Greater Khingan  
Mountains (Chinese People's Republic). Vop.magn.i metam. 2.21-39  
'64. (MIRA 18:3)

PRIYATKIN, A.A.

Criteria for the division of Paleozoic and Mesozoic acid volcanic formations in the central part of the eastern slope of the Greater Khingan Mountains. Vest. LGU 17 no.12:11-21 '62.

(MIRA 15:7)

(Khingian Mountains—Geology, Stratigraphic)

KAMENTSEV, I.Ye.; PRIYATKIN, A.A.

Change of the parameters of a unit cell in quartz depending on conditions governing its formation in various igneous rocks of the Greater Khingan. Rent.min.syr. no.3:44-54 '63. (MIRA 17:4)

1. Leningradskiy gosudarstvennyy universitet.

KOBUSHKIN, Viktor Kirillovich; KONDRAT'YEV, Aleksandr Sergeevich;  
PRIYATKIN, Nikolay Aleksandrovich; TSAR'KOVA, Z.I., red.

[Collection of problems in physics; in aid of persons  
enrolling in schools of higher learning] Sbornik zadach  
po fizike; v pomoshch' postupaiushchim v vysshie uchebnye  
zavedeniia. Leningrad, Izd-vo Leningr. univ., 1965. 84 p.  
(MIRA 19:1)



PRIYATKINA, L.A.

Stratigraphic position of the Poroszero metamorphic formation  
(Kola Peninsula). Trudy Lab. geol. dokem. no.11:27-42 '60.

(MIRA 14:1)

(Kola Peninsula--Geology, Stratigraphic)

PRIYATKINA, L.A.

Nonequilibrium mineral associations of garnet-biotite gneisses in  
the Kola Peninsula. Vest. LGU no. 24:150-152 '62. (MIRA 16:2)  
(Kola Peninsula—Gneiss)

PRIYATKINA, L.A.

Rhythmic lamination of Archean rocks on the Kola Peninsula.  
Trudy Lab.geol.dokem. no.12:156-165 '61. (MIRA 14:11)  
(Kola Peninsula--Rocks, crystalline and metamorphic)  
(Kola Peninsula--Geological time)

PRIYATKINA, I. A.

NIKOLAYEV, V.A.; GORLOV, N.V., kandidat geologo-mineralogicheskikh nauk;  
SHURKIN, K.A., kandidat geologo-mineralogicheskikh nauk; SUDOVNIKOV,  
N.G., doktor geologo-mineralogicheskikh nauk; MASLENIKOV, V.A.,  
kandidat geologo-mineralogicheskikh nauk; PRIYATKINA, L.A., geolog;  
POLKANOV, A.A., akademik, glavnyy redaktor; BABINTSEV, N.I., redaktor  
izdatel'stva; KRYNOCHKINA, K.V., tekhnicheskiiy redaktor

[Practical guide to geological mapping of metamorphic complexes]  
Metodicheskoe rukovodstvo po geologicheskomu kartirovaniu metamorfi-  
cheskikh kompleksov. Pod red. V.A.Nikolaeva. Moskva, Gos.nauchno-  
tekhn.izd-vo lit-ry po geol. i okhrane nedr, 1957. 450 p. (MLRA 10:9)

1. Akademiya nauk SSSR. Laboratoriya geologii dokembriya. 2. Chlen-  
korrespondent Akademii nauk SSSR (for Nikolayev). 3. Laboratoriya  
geologii decombriya Akademii nauk SSSR (for Nikolayev, Gorlov, Shurkin,  
Sudovnikov, Maslennikov, Priyatkina)  
(Geology--Maps)

ACCESSION NR: AT3013136

S/3018/63/000/000/0163/0173

AUTHOR: Sy\*tinskiy, I. A.; Avenirova, Ye. L.; Dement'yeva, S. P.;  
Ostretsova, I. B.; Priyatkina, T. N.

TITLE: Gamma aminobutyric acid in animal brains during radical  
acceleration and narcotic sleep

SOURCE: Tret'ya Vsesoyuznaya konferentsiya po biokhimi nervnoy  
sistemy\*. Sbornik dokladov. Yerevan, 1963, 163-173

TOPIC TAGS: gamma aminobutyric acid level, aminobutyric acid,  
glutamic acid decarboxylase activity, radial acceleration, cortex  
inhibition, amytal sodium, chromatography, electrophoresis,  
electroencephalogram, central nervous system, beta oxidation

ABSTRACT: In the first of two series of experiments the level of  
gamma aminobutyric acid and the activity of its enzyme, glutamic acid  
decarboxylase, were determined in rats in relation to functional  
activity of the central nervous system under conditions of strain.  
In the second series they were determined in relation to the  
functional state of the cortex inhibited by amytal sodium. For the  
first series animals were subjected to radial acceleration of 23, 33,

Card 1/3

ACCESSION NR: AT3013136

and over 39 g on a centrifuge and then frozen in liquid oxygen. After the brains were removed, they were divided into large hemispheres and cerebellum for extract preparation by Robert's method. Amino acids were separated by chromatography and electrophoresis. Glutamic acid decarboxylase activity in the large hemispheres was measured by Barburg's manometric method. For the second series animals were injected subcutaneously with amytal sodium to induce narcotic sleep and then were frozen in liquid oxygen. Electroencephalograms were made before and after injections. Findings show that gamma aminobutyric acid and its enzyme take part in the resistance processes of the organism under heavy strain. Increase in gamma aminobutyric acid level with radial acceleration of 33 g appears to be a protective reaction which contributes to inhibition of the central nervous system. In animals with induced inhibition of the cerebral cortex, gamma aminobutyric acid level is reduced when brain biopotentials are sharply depressed. To compensate for this reduction, beta oxidation of the gamma aminobutyric acid takes place and beta-oxygamma-aminobutyric acid forms. This is reduced when the animal awakens. Orig. art. has: 3 figures, 3 tables.

Card 2/3

ACCESSION NR: AT3013136

ASSOCIATION: Laboratoriya khimii belka fiziologicheskogo  
instituta im. A. A. Ukhomskogo Leningradskogo universiteta  
(Protein Chemistry Laboratory of the Physiological Institute,  
Leningrad University)

SUBMITTED: 00

DATE ACQ: 28Oct63

ENCL: 00

SUB CODE: AM

NO REF SOV: 012

OTHER: 029

Card 3/3

SYTINSKIY, I.A.; PRIYATKINA, T.N.

Effect of a number of pharmacological substances on the  $\gamma$ -butyric  
acid content of the central nervous system. Ukr. biokhim. zhur.  
35 no.2:202-206 '63. (MIRA 17:9)

1. A.A. Ukhtomsky Physiological Institute of Leningrad University.



PRIYATNOVA, Ye.A.

The good doctor Aibolit. Zdorov'ie 7 no. 5:32 My '61. (MIRA 14:4)

1. Zaveduyushchaya detskim sadom, Tashkent.  
(TASHKENT—CHILDREN—PREPARATION FOR DENTAL CARE)

~~PRIYEDE, G.~~ [Priede, G.] konstruktor, chempion Latvii po shosseyno-kol'tsevy  
gonkam v klasse 50 sm<sup>3</sup>

Organize races for motor scooters. Za rul. 20 no.9:28 S  
'62. (MIRA 15:9)

1. Zavod "Sarkana Zvaygzne", Riga.  
(Motor scooters)

PRIYEDITE, I.Yu.

Treatment of precancerous stage of breast cancer. Vop. onk. 2 no.1:  
35-38 '56 (MIRA 9:4)

(BREAST, neoplasms  
precancerous stage, ther.)

PRIYEDITIS, A. R. In Latvian

PRIYEDITIS, A. R. -- "Fresh-Water Fish of the Latvian SSR, Their Occurrence, and Paths of Migration." Latvian State U, 1950. In Latvian (Dissertation for the Degree of Candidate of Biological Sciences)

SO: Izvestiya Ak. Nauk Latvviyskov SSR, No. 9, Sept., 1955

SHIBSITS, A. [Priedoms, A.]

Effectiveness and methods of the application of trace elements,  
antibiotics and vitamins in the pond fish culture of the Latvian  
S.S.R. Izv. AN Latv. SSR no. 12/97-85 '63. (MIRA 17:3)

1. Latvyskiy nauchno-issledovatel'skiy institut zhivotnovodstva  
i veterinarii.

PRIYEDITIS, A. [Prieditis, A.]; KONDRATOVICH, E.

Significance of microelements, vitamins, and antibiotic substances  
in increasing productivity of the fish ponds in the Latvian S.S.R.  
Vestis Latv ak no.3:79-88 '62.

FRIYEDITIS, A.R. [Prieditis, A.]

Production of fish paste for feeding pond fishes. Trudy sov.  
Ikht. kom. no.14:48-52 '62. (MIRA 15:12)

1. Latviyskiy nauchno-issledovatel'skiy institut zivotnovodstva  
i veterinarii. (Latvia--Fishes--Food)

KLIMS, E.P.; LIBERMAN, L.M.; PRIYEDITIS, D.B.

Depositing powdered plastics in a vibrating fluidized bed.  
Plast.massy no.7:35-37 '62. (MIRA 15:7)  
(Protective coatings)



ACC NR: AN7004486

SOURCE CODE: UR/9012/67/000/043/0003/0003

AUTHOR: Priyeditis, Kh. (Pravda correspondent; Riga)

ORG: none

TITLE: Studies of Red Giants

SOURCE: Pravda, no. 43, 12 Feb 67, p. 3, cols. 2-3

TOPIC TAGS: ~~astronomy, academic institution~~ *astronomic observatory, geophysics*  
*research facility, astronomic telescope, interferometer, giant star*

ABSTRACT:  
According to the director of the astrophysical laboratory of the Latvian Academy of Sciences Ya. Ikaunlyek, the discovery of the secrets of red giants may be the key to understanding what occurs in the universe. In this connection, near Baldone a new city of astrophysicists and an observatory have been established. It has two 55-cm telescopes and a 120-cm telescope utilizing the Schmidt system, which was designed in the GDR. Also, a radio interferometer operating in the decimetric wavelength is being built to study cosmic dust and gas.

SUB CODE: 03/7/ SUBM DATE: none/ ATD PRESS: 5114

Card 1/1

UDC: none

L 16704-66 EPF(n)-2/EWT(1)/EWT(m)/ETC(m)-6/T-2/EWP(t) WW/DJ/JD/JG  
ACC NR: AP6003211 SOURCE CODE: UR/0382/65/000/004/0091/0098

AUTHOR: Kalnin', T. K.; Petrovicha, R. A.; Priyedniyeks, E. V.

87

ORG: none

B

TITLE: Pressure and electrical losses in a liquid metal layer of the salient pole induction pumps

SOURCE: Magnitnaya gidrodinamika, no. 4, 1965, 91-98

TOPIC TAGS: induction pump, liquid metal, MHD flow, magnetic field, magnetic reluctance, pressure measurement, pump, magnetic induction

ABSTRACT: Pressure growth in salient pole pumps is computed by taking account of the phase difference between the applied magnetic field of the poles and the field of the liquid metal. This difference in phase leads also to a modified, phase dependent, coefficient of magnetic reluctance. This coefficient has transverse and longitudinal values which are different and their ratio is plotted as a function of the separation of the neighboring magnetic poles. These coefficients are plotted for several values of a parameter which is a function of the conductivity and geometric characteristics. An expression for electrical losses is also derived. The

UDC: 538.4:621.689

2

Card 1/2

L 16704-66  
ACC NR: AP6003211

②

method used to calculate these quantities depends on several simplifying assumptions. The more important assumptions are the constant velocity of the liquid metal and absence of higher field harmonics. Orig. art. has: 5 figures, 22 formulas.

SUB CODE: 20,09,13/ SUBM DATE: 07Apr65/ ORIG REF: 005/ OTH REF: 000

Card 2/2 *ret*

PRIYEDNIYBK, E.Ya.

Significance of the original body state in phagocytosis affected by  
Luminal and caffeine; author's abstract. Zhur.mikrobiol.epid. i immun.  
29 no.2:140 F '58. (MIRA 11:4)

1. Iz kafedry mikrobiologii Rzhskogo meditsinskogo instituta.  
(PHAGOCYTOSIS) (CAFFEINE) (PHENOBARBITAL)

BERZIN', V.K. [Berzins, V.]; PRIYEDNIYEK, E.Ya. [Priednieks, E.]

Effect of nonspecific sensitization with various antigens on the intensity of the tuberculin reaction in guinea pigs. Zhur. mikrobiol., epid. i imm. 41 no. 2:102-107 F '64. (MIRA 17:9)

1. Rzhskiy meditsinskiy institut.

PRIYEDNIYEK, O.K. [Priednieks, O.]; STUKONozHENKO, P.I.

Development of veterinary medicine during the years of Soviet rule in Latvia. Veterinariia 37 no.12:10-14 D '60. (MIRA 15:4)

1. Nachal'nik Upravleniya veterinarii Latvyskoy SSR (for Priyedniyek). 2. Glavnyy veterinarnyy vrach Upravleniya veterinarii Latvyskoy SSR (for Stukonozhenko).  
(Latvia--Veterinary medicine)

PRIYEDNIYEK, O. K., STUKONozHENKO, P. I.

Head of the Administration of Veterinary  
Medicine of the [Latvian] Republic.

"The development of veterinary medicine in Latvia during the years of the Soviet regime,"  
Veterinariya, Vol. 37, No. 12, p. 10, 1960.

PRIYEMCHENKO, A., polkovnik; KOVALEV, A., polkovnik; YANISHEVSKIY,  
N., general-mayor voysk svyazi

New problems and obsolete methods. Voen. vest. 42 no.11:  
60-62 N '62. (MIRA 16:10)

(Military educations)



PRIYEMCHENKO, A., polkovnik; KALINCHUK, M., podpolkovnik

Gadets learn to fight a battle. Voen.vest. 42 no.5:66-69  
My '62. (MIRA 15:11)  
(Attack and defense (Military science))

MUKHARINSKAYA, I.A.; PRIYEMKO, A.F.

Oil saturation factor of the producing sediments of the Kachanovo  
field. Nefteprom.delo no.11:16-21 '63. (MIRA 17:3)

1. Ukrainskiy filial Vsesoyuznogo nauchno-issledovatel'skogo insti-  
tuta prirodnogo gaza.

PRIYEMYSHEV, G. A.

Feeding and Feeding Stuffs

Mineral supplement for cattle. S ts zhiv. 14, No. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, June 1955, 2 uncl.

PRIYEMSKIY, G. N.

PRIYEMSKIY, G. N. I GUREVICH, K. N.

36151 Spetsializirovannyye stanki v transportnom mashinostroeni. V sb: Spetsializir.  
stanki v mashinostroyeni. M-L, 1949, S. 142-58.

SO: Letopis' Zhurnal' nykh Statey, No. 49, 1949

ACC NR: 1.46058-66 EWT(m) GD SOURCE CODE: UR/0000/66/000  
AUTHOR: Priyev, A. M. (A)

ORG: None

TITLE: Concrete setting and hardening under hot climatic conditions

SOURCE: Moscow. Nauchno-issledovatel'skiy institut stroitel'noy fiziki. Prakticheskiye zadachi stroitel'noy teplofiziki krupnopanel'nykh zdaniy (Practical problems in structural thermophysics of large-panel buildings). Moscow, Stroyizdat, 1966, 112-115

TOPIC TAGS: concrete, evaporation, ~~hardening~~, compressive strength, thermal strength

ABSTRACT: The author studies concrete setting and hardening under hot climatic conditions. The hardening of concrete which sets during summer without any maintenance depends on the intensity of moisture evaporation from the concrete and relative humidity of the air and the evaporation surface modulus of the concrete (the ratio between the evaporation surface and concrete volume). The evaporation surface modulus is not the same for all structures. Structures with large evaporation surface moduli such as plates, small cross section beams, etc. may lose much of their moisture within 4-5 days after production if they are left out in the sun to dry, and thus lose a part of their strength. Tests show that concrete blocks stored in the sun are very weak

su  
cre.  
a full  
setting  
exchange

SUB CODE: 1)

...s re- If  
...on charac-  
...now that con-  
...crete set much  
...peratures as a re-  
...through the  
...The author suggests  
...a result of nonuniform  
...only if heat and moisture  
...2 tables.

Card 2/2 gd

PRIYEV, I. G.

COUNTRY : USSR  
CATEGORY : Pharmacology and Toxicology. Toxicology. V  
Poisonous Plants  
ABST. JOUR. : RZhBiol., No. 5 1957, No. 23395  
AUTHOR : Priyev, I. G.  
INST. : Samarkand Medical Institute  
TITLE : Copper Metabolism in Alimentary Toxicosis  
ORIG. PUB. : Nauchn. tr. Samarkandsk. med. in-t. 1957, 15,  
163-165  
ABSTRACT : The copper content in the internal organs of  
individuals affected with alimentary toxicosis  
lies in the upper levels of the norm. The copper  
content in the cerebral tissue considerably ex-  
ceeds the norm.

Card: 1/1

PRIYEV, I.G.

LAPIN, L.N.; PRIYEV, I.G.

Copper content of food products, canned food and cooked dishes  
[With summary in English]. Vop.pit. 16 no.1:62-65 Ja-F '57.

(MLRA 10:3)

1. Iz kafedry biokhimiï (zaveduyushchiy - professor L.N.Lapin)  
Samarkandskogo meditsinskogo institutua imeni akademika I.P.  
Pavlova.

(COPPER, determ.

in raw, canned & cooked food (Rus))

(FOOD

copper content of raw, canned & cooked food (Rus))

1. The concentration of lead in the organs and tissues of adult females

in different periods of toxic intrauterine development. (Minsk, 1981-1982)

2. The concentration of lead in food concentrates and products. (Minsk, 1981-1985)

3. The concentration of lead in the organs and tissues of adult females. (Minsk, 1981-1985)



PRIYEV, I.G.

Preoperative X-ray therapy of breast cancer. Med. rad. 3 no.9:  
78-82 5'63. (MIRA 17:4)

1. Iz kafedry rentgenologii i radiologii (zav. -- prof. L.D.  
Lindenbraten) I Moskovskogo ordena Lenina meditsinskogo instituta  
Imeni Sechenova.

USSR/Human and Animal Physiology - (Normal and Pathological). T  
Metabolism. Water-Salt Metabolism.

Abs Jour : Ref Zhur Biol., No 4, 1959, 17171

Author : Khamrakulov, B.Yu., Priyev, I.G.

Inst : Uzbek University

Title : The Change of the Amount of Copper in the Blood of  
Animals in Stimulation and Inhibition of Central Nervous  
System.

Orig Pub : Tr. Uzb. un-ta, 1957, vyp. 67, 85-91

Abstract : The influence of a conditioned defensive reflex (conditio-  
ned signal - metronome, unconditioned reinforcement-strong  
induction current) and of external inhibition (electric  
bell) on the content of Cu in the venous blood of two  
dogs was studied. Before application of the indicated in-  
fluences, under conditions of rest, the Cu content in the

Card 1/2

USSR/ Human and Animal Physiology - (Normal and Pathological). T  
Metabolism. Water-Salt Metabolism.

Abs Jour : Ref Zhur Biol., No 4, 1959, 17171

blood of the animals was 76-80 gamma%. The application of conditioned and unconditioned stimuli induced a sharp increase of Cu concentration (up to 172.5 gamma%) with the maximum on the 20th minute and a gradual decrease toward initial values towards the 40th minute. In application of an inhibitory stimulus at the time of realization of conditioned reaction, a conditioned-reflex increase in the content of Cu was not noted. -- B.M. Gekht

Card 2/2

- 10 -

PRIYEV, I.G.

LAPIN, L.N.; PRIYEV, I.G. (Samarkand)

Use of diphenylcarbazone in colorimetric microdetermination of copper in food products and in cooked food [with summary in English]. Vopr.pit. 17 no.1:68-72 Ja-F '58. (MIRA 11:4)

1. Iz kafedry biologicheskoy khimii (zav. - prof. L.N.Lapin) Samarkandskogo meditsinskogo instituta imeni akad. I.P.Pavlova.

(COPPER, determination,  
in food, colorimetric micromethod with diphenylcarbazone  
(Rus))

(FOOD,  
copper, colorimetric microdeterm. with diphenylcarbazone  
(Rus))