

S/0058/64/000/006/0005/0005

ACCESSION NR: AR4043995

SOURCE: Ref. zh. Fizika, Abs. 6D35

AUTHOR: Gurchumeliya, A. D.

TITLE: A radial second-order density matrix and its use for deriving the exchange potential

CITED SOURCE: Tr. Gruz. politekhn. in-t, No. 8(93), 1963, 217-223

TOPIC TAGS: density matrix, second order density matrix, radial density matrix, exchange potential, simplified exchange operator, radial equation, self consistent field

TRANSLATION: Using a second-order radial density matrix, gives an approximate expression for the exchange potential. Establishes the connection between the Slater and Fock simplified exchange operators. By the method of successive approximations there is solved the single-electron radial equation of a simplified self-consistent field. Specific calculation done for the

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ACCESSION NR: AR4043995

ground state of the Ge atom. Initial functions were found using Hartree functions. As a result of solving the equation for the Ge atom it was concluded that the simplified exchange operator qualitatively exerts the same influence on the behavior of wave functions as does the precise Fock exchange operator. Calculation results cannot be obtained with the same accuracy as with the Fock method. However, the simplified method of the self-consistent field increases the accuracy of the Hartree method and is a considerable improvement over the latter.

SUB CODE: MA, NP

ENCL: 00

Card 2/2

GRUCHENIYA, A.I.

Calculation of the path lengths of electrons scattered by atoms.
Sov. AN Grav. SSP 32 no.3:549-554 D 1961.

(MIRA 17:11)

I. Gruzinskiy politekhnicheskii institut imeni I. G. Predstavlane
chlenom-korrespondentom AN GruzSSR I. N. Grucheniya.

L 42399-65 EMA(k)/EHT(1)/EEC(t) LHB

ACCESSION NR: AP5008470

S/0070/65/010/002/0245/0246

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11
B

AUTHOR: Gurchumeliya, A. D.

TITLE: On calculating the atomic scattering factor of x-rays

SOURCE: Kristallografiya, v. 10, no. 2, 1965, 245-246

TOPIC TAGS: atomic scattering factor, x-ray scattering, Thomas-Fermi method, Hartree-Fock method, self consistent field

ABSTRACT: In determining the intensity of x-rays scattered at some angle θ , it is necessary to know as accurately as possible the atomic scattering factor $f_p(k)$ which is given by the formula

$$f_p(k) = \int_0^{\infty} P(r) \frac{\sin kr}{kr} dr, \quad (1)$$

in the case of spherical electron distribution, where $k = 4\pi \sin\theta/\lambda$, λ is the x-ray wavelength and $P(r)$ is the radial density of the electron charge which may be determined only approximately. The Thomas-Fermi method is considered a satisfactory approximation for heavy atoms. More accurate results may be obtained in the general case by using the Hartree-Fock self-consistent field method for calculating the

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L 42399-65

ACCESSION NR: AP5008470

electron density. This method gives radial wave functions which may be used to calculate $P(r)$. Tables of the $f_p(k)$ for various atoms have been calculated. In this article the atomic scattering factor is calculated using the analytic expression for the Hartree-Fock potential

$$V_{\text{H-F}}(r) = \frac{Z}{r} \sum_A C_A \exp(-b_A r), \quad (2)$$

where $\alpha = 1.13\sqrt{Z} \cdot r$. Poisson's equation gives the electron density as

$$\rho(r) = \frac{1}{r} \frac{d^2 Y(r)}{dr^2}, \quad (3)$$

where $Y(r) = Z \cdot \sum_A C_A \exp(-\alpha_A \cdot r)$, $\alpha_A = 1.13\sqrt{Z} \cdot b_A$. The atomic scattering factor calculated

from (3) ($D(r) = \rho(r) \cdot r^2$) is given by the simple formula

$$f^A = Z \cdot \Gamma(n+2) \cdot \sum_A \frac{C_A}{\alpha_A^n}, \quad (4)$$

A comparison of the results from this formula with the data given in the 3d volume of the *International Tables for X-Ray Crystallography* shows a divergence of no more

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ACCESSION NR: AP5008470

than 5%. Orig. art. has: 6 formulas.

ASSOCIATION: Gruzinskiy politekhnicheskiy institut im. V. I. Lenina (Georgian
Polytechnic Institute)

SUBMITTED: 20Nov63

ENCL: 00.

SUB CODE: NP

NO REF SOV: 003

OTHER: 006

ll
Card 3/3

NANOVIC, Risto; GURCILOV, Tome

Pulmonary tuberculosis Strumica before and after mass radiography. Tuberkuloza 16 no.5:481-487 S-D '64

1. Institut za tuberkulozu SR Makedonije, Antituberkulozni dispanzer, Strumica.

KOBIELA, Jan; GROCHOWSKI, Jan; GURDA, Marian

Studies on the Hp group (haptoglobin) in patients. Pol. tyg. lek. 16
no.51:1961-1963 18 D '61.

1. Z Zakładu Medycyny Sadowej A.M. w Krakowie; kierownik: prof. dr Jan
Olbrycht, z II Kliniki Chirurgicznej A.M. w Krakowie; kierownik: prof.
dr Jan Oszacki, z III Kliniki Chorob Wewnętrznych A.M. w Krakowie;
kierownik: prof. dr Julian Aleksandrowicz)

(MUCOPROTEINS)

PLANNED

Marion GURDA and Wlodek OSTERCZY, Third Internal Medicine Clinic
(III Klinika Chorob Wewnętrznych) Head (Kierownik) Prof Dr J.
ALEKSANDROWICZ, Krakow.

"Plasmocytoma Reticulema with Skin Infiltrations."

Krakow, Przegląd Lekarski, Vol 18/Ser 2, No 11, 1962; pp 447-449.

Abstract [English summary modified]: Case report in man aged 57, comprehensive clinical and laboratory details. Symptoms were mainly systemic with few objective findings except for painless purplish plasmocytic infiltrations on palms of hands. Photograph, 7 Polish, 2 Western references.

1/1

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OZARZECKI, Jozef and GURDA, Marion; Third Internal Medicine Clinic (III Klinika Chorob Wewnętrznych), III Akademia Medyczna, Medical Academy] in Krakow (Director: Prof. Dr. J. ALEXANDROWICZ)

"Treatment of Acute Pancreatitis."

Warsaw-Krakow, Przegląd Lekarski, Vol 19, Ser II, No 7, 31 Jul 63, pp 313-315

Abstract: [Authors' English summary] The authors discuss conservative methods of treating acute pancreatitis, with special attention to the role and significance of trasyol, an inactivator of the pancreatic enzymes. There are 31 references: 17 Polish, 12 German, and 7 Western.

1/1

JANICKI, Kazimierz; GURDA, Marian

Studies on the seasonal character of the morbidity of leukemia,
I. General survey of the subject. Pol. tyg. lek. 20 no.9:304-306
1 Mr'65.

1. Z III Kliniki Chorob Wewnętrznych Akademii Medycznej w
Krakowie (kierownik: prof. dr. med. Julian Aleksandrowicz).

JANICKI, Kazimierz; GURDA, Marian

Considerations on seasonal variation in leukemias. Acta med. pol.
6 no.3:359-378 '65.

1. III Clinic of Internal Medicine, Medical Academy, Cracow
(Director: Prof. Dr. Julian Aleksandrowicz).

GURDA, Marian; JANIUKI, Kazimierz

Studies on the seasonal incidence of leukemia. Pt.2. Pol. tyg.
lek. 20 no.22:795-797 31 My '65.

1. Z III Kliniki Chorob Wewnętrznych AM w Krakowie (Kierownik:
prof. dr. med. Julian Aleksandrowicz).

GURDANOV, Todor, inzh.

Permissible minimal gradients in sewerage networks. Khidtotekh
i melior 8 no.7:199-200 '63.

GURDA, Marian; JANICKI, Kazimierz

Studies on the seasonal incidence of leukemia. Pt.2. Pol. tyg.
lek. 20 no.22:795-797 31 My '65.

1. Z III Kliniki Chorob Wewnętrznych AM w Krakowie (Kierownik:
prof. dr. med. Julian Aleksandrowicz).

GURDANOV, Todor, inzh.

Permissible minimal gradients in sewerage networks. Khidtotekh
i melior 8 no.7:199-200 '63.

GURDANOV, Todor, inzh.

Hydraulic dimensioning of horizontal settlers with round entrance orifices and reflecting gates. Khidrotekh i melior 7 no.2:56-57 '62.

SUEV, Sulu; TSOICHEV, Tsv.; GURDANOV, T.

Studies on the natural biologic purification of sewage water.
Khidro i meteorolog 13 no. 3:28-42 '64.

GURDZINIDZE, R.V.; BAKHUTASHVILI, V.I.

Effect of mechanical receptor stimulation of the normal and operated stomach on the number of leucocytes and leucocytal formula. Scob.AN Gruz.SSSR 16 no.3:243-248 '55. (MLRA 9:7)

1. Akademiya nauk Gruzinskey SSR, Institut eksperimental'noy i klinicheskey khirurgii i gematologii, Tbilisi. Predstavleno deystvitel'nyy chlenom Akademii K.D. Kristavi.
(STOMACH) (LEUCOCYTES)

GURDEV, B.

"Economic Problems for Organizing Experimental Shops and Bases in Industrial Enterprises." p. 6 (RATSIOMALNA SIIA. Vol. 4, No. 10, Oct. 1954; Sofiya, Bulgaria.)

So: Monthly List of East European Accessions, (HEAL), LC, Vol. 4, No. 4, April 1955, Uncl..

1955

Journal of the American Medical Association, 1955

Journal of the American Medical Association, vol. 9, no. 12, Dec. 1955

Sofira, Bulgaria

see: Journal of the American Medical Association, vol. 9, no. 12, July 1956

GURDEV, Borislav

Reserves for the increase of labor productivity in maize
irrigation. Trud tseni 5 no. 10:11-22 '63.

GURDEV, Borislav

Irrigation agriculture and labor productivity in farming.
Trud tseni 4 no.1:52-60 '62.

GURKIN, Borislav

Organization of observations, and statistical and mathematical data processing for determining labor standards in the irrigation of farm crops. *Selskoye nauka* 2 no.9:1059-1071 '64.

PEUCHEV, V.; GURDEVSKI, M.

A case of placenta increta. Akush. ginek. (Sofia) 3 no.1&71-73
'64.

*

Oncology

BULGARIA

KEMILEVA, Z., GURDEVSKI, M., and DEMIREVA, K., Chairs of Pathological Physiology (Head Docent Z. Kemileva) and Pathological Anatomy (Head Docent K. P. Popov), Advanced Medical Institute, Varna

"Effect of the Thymus on the Development of a Transplanted Tumor"

Sofia, Eksperimentalna Meditsina i Morfologiya, Vol 5, No 2, pp 82-85

Abstract: The effect of the thymus on the development of a transplanted Yoshida tumor in rats was studied. Increased thymus activity that was produced by thymus transplantation accelerated tumor growth. Figures, table, 10 references (9 Western, 1 Japanese). Manuscript received Feb 66. Russian and English summaries.

KELENHEGYI, M.dr.; UZVOLGYI, F.dr.; GURDON, J.dr.
APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000617410008-4"

Clinical experiences with a new Hungarian-made antibiotic primycin in urogenital tuberculosis. *Magy. sebeszet* 9 no.3:198-200 June 56.

1. A Debreceni Orvostudományi Egyetem I. sz. Sebészeti Klinikájának közleménye. *Mb. igazgató: Szelecsky Gyula dr. egyetemi docens. Magy. sebeszet* 9 no.3:198-200 June 56
(TUBERCULOSIS, UROGENITAL, ther.
primycin, local admin. (Hun))
(ANTIBIOTICS, ther. use
primycin, in urogenital tuberc., local admin. (Hun))

YUGOSLAVIA

GURDULIC-SVERKO, Anja and SVERKO, B.; Trolley-Car Administration of the City of Zagreb (Zagrebacki elektricni tramvaj,) and Section of Psychology of Faculty of Philosophy (Odsjek za psihologiju, Filozofski fakultet,) Zagreb.

"Prognostic Value of Some Aptitude Tests for Crane Operators."

Zagreb, Arhiv za Higijenu Rada i Toksikologiju, Vol 16, No 3, 1965; pp 293-300.

Abstract [English summary modified]: Study of validity of aptitude tests for the occupation of marine crane operator in 65 such workers, evaluating test results by comparison with bosses' evaluation of workers and history of advancement to more demanding types of cranes. Study indicates that fair amount of reliability can be placed on tests as presently performed. Table, manuscript received 16 Jan 65.

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GORDUS, *[illegible]*

Interdiffusion of the Annealing of Malleable Iron

Gordus and K. J. Kazan

1-1-2

[Handwritten initials]

L.F.H.

LEBEDEV, B.M., nauchnyy sotrudnik; GURDUS, O.M., vrach.

Protective and greasing substances for the prevention of skin diseases in the chemical industry. Gg. sanit. 28 no.2:74-76'63
(MIRA 17:2)

1. Iz otdela dermatologii Tsentral'nogo kozhno-venerologicheskogo instituta i iz Mediko-sanitarnoy chasti No.53 Otdela zdoravookhraneniya Moskovskogo gorenskogo Soveta deputatov trudyashchikhsya.

GEL'PERIN, N.I., prof.; ARTEM'YEV, V.I.; GURDZHI, A.Ya.; GRIGOR'YEVA, N.S.

Continuous nitration in the production of amber musk. Zhur. VKhO
5 no.4:438-442 '60. (MIRA 13:12)
(Nitration) (Musk)

GURDZHI, A.Ya.; ZALIS, V.M.; GOLOVIN, A.I.

Method of the continuous scrubbing of the nitration products of methyl ether of 4-tert-butyl-m-cresol in the production of musk ambrette. Trudy VNIISNDV no.6:156-158 '63. (MIRA 17:4)

L 56669-65 EWT(m)/EPF(c)/EPR/EMP(j)/T Pc-L/Pr-L/Ps-L WW/RM
ACCESSION NR: AP5017847 UR/0286/65/000/011/0080/0080
678.046.7

34
B

AUTHOR: Matveyev, M. A.; Rabukhin, A. I.; Gurdzhi, F. M.; Polikanin, N. A.;
Levitskiy, M. M.; Ankudinova, V. F.; Prutkov, L. K.

TITLE: A method for making transparent plastics

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 11, 1965, 80

TOPIC TAGS: transparent plastic, fiberglass

ABSTRACT: This Author's Certificate introduces a method for making transparent plastic based on Author's Certificate No. 128992. Plastics with improved properties are produced by treating a fiberglass filler with mixed epoxymetallosiloxanes which form a bond with the glass and contain furfuroxyl groups. A phosphate binder is then applied to the treated fiberglass.

ASSOCIATION: none

SUBMITTED: 20Jul62

ENCL: 00

SUB CODE: MT

NO REF SOV: 000

OTHER: 000

Card

282
1/1

GURDZHI, Ye.S.; BUNAREVA, Z.S.; FINODINA, K.V.; KHARITONOVA, L.G.;
LEVI, P.B.

Antistatic treatment of nitron staple fiber. Khim. volok.
no.4:29-31 '63. (MIRA 16:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusst-
vennogo volokna (for Gurdzhi, Bunareva, Finodina). 2. VNIIVS
(for Kharitonova). 3. Tsentral'nyy nauchno-issledovatel'skiy
institut khlopchatobumazhnoy promyshlennosti (for Levi).

GURDZHI, Ye.S.; ROZENBLYUM, N.I.; KOPYTINA, M.S.; KHARITONOVA, G.N.;
NIKONOVA, V.B.; SABUROVA, A.V.

The "PPK-1" preparation composition for the formation of
nylon fibers. K^hm. volok. no.2:60-61 '65. (MIRA 18:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo
volokna (for Gurdzhi, Rozenblyum, Kopytina). 2. Klinskiy kombinat
(for Kharitonova, Nikonova). 3. VNIISV (for Saburova).

MAKHNOVA V.I.; GURDZHIYAN, V.S.; TKACHEVA, G.G.

Creation of better economic relations between the supplying
enterprises and the consumers. Kozh.-obuv. prom. 4 no.7:7-
10 JI '62. (MIRA 17:1)

GURDZHIAN, V.S.; TRUSIKHIN, N.P.

Problems in improving the management organization in enterprises of the leather and shoe industry. Kozh.-otuv. prom.
2 no. 12:1-4 D '60. (MIRA 14:1)
(Leather industry--Management) (Shoe industry--Management)

GURDZHINYAN, L.D.

Rotary viscosimeter for determining rheological properties of clay suspensions. Iav.vys.ucheb.zav.; neft' i gaz. no.7:23-38 '58.
(MIRA 11:11)

1. Azerbaydzhanskiy industrial'nyy institut im. M. Azizbekova.
(Viscosimeter) (Clay)

ABDURASHITOV, S.A.; ABDULVAGABOV, A.I.; GURDZHINTAN, L.D.

Filtration of petroleum products through sawdust. Izv.vys.uceb.zav.;
neft' i gaz. no.7:91-93 '58. (MIRA 11:11)

1. Azerbaydzhanskiy institut im N. Azizbekoba.
(Filters and filtration)

GURDZHINYAN, L. D., Candidate of Tech Sci (diss) -- "Investigation of the structural-mechanical properties of clay solutions used for drilling oil and gas wells". Baku, 1959. 20 pp (Min Higher Educ USSR, Azerb Order of Labor Red Banner Industrial Inst im M. Azirbekov), 150 copies (KL, No 22, 1959, 114)

14(5)

SOV/152-59-2-11/32

AUTHOR:

Gurdzhinyan, L. D.

TITLE:

Factors Influencing the Performance of Viscosimeters of the Rotating Type (Faktoy, vliyayushchiye na rabotu viskozimetra rotatsionnogo tipa)

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy. Neft' i gaz, 1959, Nr 2, pp 41 - 46 (USSR)

ABSTRACT:

The purpose of the paper under review was to analyze the performance of rotating viscosimeters basing upon the principle of the movement of a liquid in the interspace between two concentric cylinders. The equipment, the measuring methods and the processing of the data were discussed before (Ref 5). In the analysis it was determined that the changes of the values η (viscosity) and τ_0 (dynamic tension) in the rotating viscosimeter with the increase of the speed gradient beyond a certain maximum depend on the effect of the centrifugal forces. The centrifugal forces effect the depositing of the clay mass in heterogeneous cylindrical layers that differ by their rheological qualities. Nothing of the kind occurs in homogeneous liquids. High-speed rotating viscosimeters cannot record any actual rheological current curves of heterogeneous

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Factors Influencing the Performance of Viscosimeters of the Rotating Type SOV/192-59-2-11/32

liquids because of the effects of centrifugal forces. In viscosimeters of the capillary type the effects of centrifugal forces are absent. For this reason, they can accurately record the rheological characteristics of the clay mass. The centrifugal forces, the dropping of the level in the space of the viscosimeter as well as the gliding along the walls contribute to the inaccuracy of the recordings of rotating viscosimeters. There are 4 figures, 1 table and 15 Soviet references.

ASSOCIATION: Azerbaydzhanskiy industrial'nyy institut im. M. Azizbekova (Azerbaydzhani Industrial Institute imeni M. Azizbekov)

SUBMITTED: December 12, 1958

Card 2/2

ABDURASHITOV, S.A.; TARTAKOVSKAYA, M.D.; ABDULVAGABOV, A.I.; GURDZHINYAN,
L.D.

Studying hydraulic parameters of oil rectifiers. Izv. vys.
ucheb. zav.; neft' i gaz 2 no.5:99-106 '59. (MIRA 12:8)

1.Azerbaydzhanskiy institut nefti i khimii im. M. Azizbekova.
(Filters and filtration)

GURDZHINYAN, L.D.

Effect of temperature on rheological properties of clay suspensions.
Izv. vys. ucheb. zav.; neft' i gaz 2 no.7:91-95 '59.
(MIRA 12:12)

1. Azerbaydzhanskiy institut nefti i khimii im. M. Azizbekova.
(Clay) (Colloids)

ABDURASHITOV, S.A.; ABDULVAGABOV, A.I.; GURDZHINYAN, L.D.; TARTAKOVSKAYA,
M.D.

Testing an industrial model of a fine purification filter.
Izv.vys.ucheb.zav.; neft' i gaz 2 no.9:89-91 '59.
(MIRA 13:2)

1. Azerbaydzhanskiy institut nefti i khimii im. M.Azizbekova.
(Filters and filtration)

5(4)

AUTHOR:

Gurdzhinyan, L. D.

SOV/152-59-3-9/25

TITLE:

The Influence of Dynamic Effects on the Rheological Properties of Sound Suspensions (Vliyaniye dinamicheskikh vozdeystviy na reologicheskiye svoystva suspenziy gliny)

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy. Neft' i gaz, 1959, Nr 3, pp 43-49 (USSR)

ABSTRACT:

Sound suspensions are completely characterized by the values η - structural viscosity and τ_0 - shearing stress. The determination of these quantities differs according to the measuring apparatus used. Various hypotheses were set up by other authors with respect to this phenomenon of thixotropy. The present paper explains the true reasons. Measurements are carried out by means of a vibration viscosimeter. It was possible to vary the amplitude of the oscillations between 0-7 mm and the frequency from 0-3000/min. Curves were plotted describing the dependence of viscosity upon frequency and amplitude. With increasing frequency and amplitude, lower values are obtained for η and τ_0 . This is the explanation for this phenomenon:

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the suspension of sound in water shows a marked polydisperse

The Influence of Dynamic Effects on the
Rheological Properties of Sound Suspensions

SOV/152-59-3-9/25

system. In this connection the dispersity of particles fluctuates between the purely colloidal particle and the bigger microparticle. When vibration sets in, a reduction of the consistency of the spatial coagulation structure first occurs. Then, the remaining aggregates are destroyed. The sound particles which are not isodiametrical form layers while flowing and their long axes take the direction of flow. Shear takes place in the free dispersion medium, occupying the space between the sound particles. Finally, vibration acts upon the hydrate shells. Part of the bound water is released. The breaking of the water-shells reduces solvation and the surface of the micells. Part of the ions is separated from the shell, is distributed in the dispersion medium, and leads to a changed electric interaction between the micells. This stepwise process entails a reduction of consistency. Every suspension requires a certain time after which stable flowing conditions set in. There are 5 figures, 1 table, and 16 references, 15 of which are Soviet.

ASSOCIATION: Azerbaydzhanskiy industrial'nyy institut im. M. Azizbekova
Card 2/3 (Azerbaydza. Industrial Institute imeni M. Azizbekov)

SADYKHOV, I.D.; GURDZHINYAN, L.D.; MAMEDOVA, Z.G.; GEL'BURD, L.I.

Viscosity of cracking residues. Azerb.khim.zhur. no.2:57-61 '61.
(MIRA 14:8)

(Petroleum products--Testing) (Viscosity)

GURDZHINYAN, L.D.; SADYKHOV, I.D.; GUREVICH, V.R.; GRABOVSKIY, Yu.P.; GEL'BURD,
L.I.;

Viscosimeter for polyolefin solutions. Azerb. khim. zhur. no.1:23-27 '65.
(MIRA 18:7)

1. Nauchno-issledovatel'skiy i proyektnyy institut po kompleksnoy
avtomatizatsii proizvodstvennykh protsessov v neftyanoy i khimi-
cheskoy promyshlennosti i VNIIOlefin.

GURDZHIYAN, M.D.

Discharge of ether through the surgical wound in ether and oxygen
anesthesia. Eksper. khir. i anest. 9 no.1:75-77 Ja-F '64.

(MIRA 17:12)

1. Kafedra normal'noy fiziologii (zav. - prof. P.M.Starkov) i kafedra
obshchey khirurgii (zav. - prof. I.V.Shmelev [deceased]) Kubanskogo
meditsinskogo instituta, Krasnodar.

FRIAUF, V.A.; GURDZHIYANTS, E.M.; GUSHCHINA, V.P.

Bacteriological diagnosis of whooping cough using casein-carbon
agar and some biological properties of local Hemophilus pertussis
strains. Zdrav.Turk. 6 no.6:7-11 N-D '62. (MIRA 16:3)

1. Iz Ashkhabadskogo instituta epidemiologii i gigiyeny (dir. -
dotsent Ye.S. Popova) i kafedry mikrobiologii (zav. - prof.
Ye.Ya. Gleyberman) Turkmenskogo gosudarstvennogo meditsinskogo
instituta.

(HEMOPHILUS)

(WHOOPING COUGH)

GURDZHIYEV, R.A.; TSIMARKINA, G.Ye.

Apparatus for convection electrophoresis. Bikhimiia 26 no.4:581-585
Jl-Ag '61. (MIRA 15:6)

1. Spetsial'noye konstruktorskoye byuro biofizicheskoy apparatury
i elektronnykh mashin, Moskva.
(ELECTROPHORESIS--EQUIPMENT AND SUPPLIES)

GURENEV, M. N. Cand Agr Sci -- (diss) "Agricultural engineering in the cultivation
of annual lupine for seed under conditions of the southwestern part of Permskaya
~~Permskaya~~ Oblast." Perm', 1957. 16 pp (Min of Agriculture USSR. Perm'
Agr Inst im D. N. Pryanishnikov), 120 copies (KL, 4-58, 84)

GURENEV, M.N.

Vernalization of annual lupine in connection with its introduction
to new regions. Agrobiologia no.4:635-638 J1-Ag '59.
(MIRA 12:10)

1. Sel'skokhozyaystvennyy institut imeni D.N. Pryanishnikova,
g. Perm'.

(Lupine) (Vernalization)

ACC NR: AR7000860

SOURCE CODE: UR/0058/66/000/009/E026/E026

AUTHOR: Gurenishvili, G. Ye. ; Khutsishvili, G. R.

TITLE: Magnetic relaxation of nuclei in semiconductors and semimetals in a quantizing magnetic field

SOURCE: Ref. zh. Fizika, Abs. 9E205

REF SOURCE: Sb. Elektron. i ion. protsessy v tverd. telakh. No. 2. Tbilisi, Metsniyereba, 1965, 72-81

TOPIC TAGS: magnetic field, quantum electronics, nuclear magnetic relaxation

ABSTRACT: The relaxation time of nuclei in semiconductors or semimetals in a magnetic field of such intensity that the quantization of electron space motion becomes essential, is calculated. Cases of nondegenerate and strongly degenerate carrier gas are studied. Relaxation is presumed to occur at the expense of contact interaction of nuclear spins with conduction electrons. It is supposed that the energy zones possess the isotropic quadratic law of dispersion. The presence of peaks in transition probability is established. These peaks are more strongly

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ACC NR: AR7000860

expressed when a small quantity of Landau subzones is populated. In a number of cases these peaks form two series. E. Nagayev. [Translation of abstract]

[DW]

SUB CODE: 20/

Card 2/2

GURENKO, A. F. Cand Med Sci -- (diss) "On ~~the~~ peculiarities of the incidence
of dysentery^g and the organization of ^{means}~~means~~ for controlling it in rural
communities." Khar'kov, 1959. 13 pp (Min of Health UkSSR. Khar'kov State
Med Inst), 200 copies (KL, 46-59, 140)

MANUKOVSKIY, N.F., Geroy Sotsialisticheskogo Truda, brigadir; LEBEDEVA, A.T., zven'ev. Geroy Sotsialisticheskogo Truda; KOLYADINA, A.A.; GUSEVA, N.F.; GUBANOVA, M.T.; GURENKO, A.G., svinar'; SVIRIDOV, I.G., svinar'; SHERSHOVA, M.V., zootekhnik; GORIN, D.P.; TAMBOVTSEV, P.K.; ULIN, I.; SAYTANIDI, L.D., tekhn. red.

[Leaders of socialist competition from Voronezh tell their stories]
Rasskazyvaiut peredoviki-voronezhtsy. Moskva, Izd-vo M-va sel'khoz.
RSFSR, 1960. 54 p. (MIRA 14:11)

1. Brigada kompleksnoy mekhanizatsii kolkhoza imeni Kirova Voronezhskoy oblasti (for Mamukovskiy).
 2. Kolkhoz "Rossiya" Voronezhskoy oblasti (for Lebedeva, Shershova).
 3. Ryadovyye zvana vysokoy proizvoditel'nosti kolkhoza imeni Stalina Voronezhskoy oblasti (for Kolyadina, Guseva).
 4. Zven'yevaya kolkhoza imeni S.M.Kirova Voronezhskoy oblasti (for Gubanova).
 5. Sovkhoz "Vorob'yevskiy" Voronezhskoy oblasti (for Gurenko).
 6. Sovkhoz "Maslovskiy" Voronezhskoy oblasti (for Sviridov).
 7. Predsedatel' kolkhoza "Podgornoye" Voronezhskoy oblasti (for Gorin).
 8. Direktor sovkhoza "Vtoraya pyatiletka" Voronezhskoy oblasti (for Tambovtsev).
- (Voronezh Province--Stock and stockbreeding)
(Socialist competition)

GURENKO, A.S.

Proportioning pump for the production of viscose staple fiber.
Khim.volok. no.6:62 '61. (MIRA 14:12)

1. Kamenskiy mashinostroitel'nyy zavod.
(Rayon spinning)

GURENEV, M.N., kand. sel'skokhozyayotvennykh nauk; BELYAYEV, L.I., aspirant

Cultivation of light soils. Zemledelie 27 no.8:43-44 Ag '65.
(MIRA 18:11)

1. Permskiy sel'skokhozyaystvennyy institut.

SEVERILOV, V.S., inzh.; GURENKO, S.I., inzh.

Manufacture and use of high-module welded hobbing and disk cutters. Mashinostroenie no.4:18-19 JI-Ag. '63. (MIRA 17:2)

1. Donetskii mashinostroitel'nyy zavod im. 15-letiya Leninskogo kommunisticheskogo soyuza molodezhi Ukrainy.

GURENKO, S. F.

25608 GURENKO, S. F. Yubiley Prof O. A. Konstantinova (Ekonomogeograf. K. 24-Letiya Nauch. Pel. 1 Obshchestv Deyatel' Nosti). Izvestiya Vsesoyuz Geogr. O-va, 1949, Vyp. 4, s 430-32

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KIYAK, Grigoriy Stepanovich [Kyiak, H.S.], prof.; SAVITSKIY, K.A.
[Savyts'kyi, K.A.], kand.sel'skokhoz.nauk, glavnyy red.;
LUCHKO, O.S., otv. za vypusk; GURENKO, V.A. [Hurenko, V.A.],
red.

[Experience in the cultivation of corn in the western regions
of the Ukrainian S.S.R.] Dosvid vyroshchuvannia kukurudzy;
v zakhidnykh raionakh URSR. Kyiv, 1959. 31 p. (Tovarystvo
dlya poshyrennia politychnykh i naukovykh znan' Ukrain's'koi
RSR. Ser.6, no.19). (MIRA 13:1)

1. Chlen-korrespondent AN USSR (for Kiyak). 2. Referent Tova-
ristva dlya poshyrennya politichnykh i naukovykh znan' Ukra-
ins'koi RSR (for Luchko).
(Ukraine, Western--Corn (Maize))

MARTYNIENKO, Ivan Ivanovich, kand.tekhn.nauk; BONDARENKO, S.P.,
kand.tekhn.nauk, otv.red.; GURENKO, V.A. [Hurenko, V.A.],
red.

[Operating electric equipment on collective and state farms]
Eksploatatsiia elektrohospodarstva v kolhospakh i radhospakh.
Kyiv, 1960. 31 p. (Tovarystvo dlia poshyrennia politychnykh i
naukovykh znan' Ukrain's'koi RSR. Ser.6, no.22).

(MIRA 14:2)

(Electricity in agriculture)

VYSHINSKIY, Aleksandr Mikhaylovich [Vyshyns'kyi, O.M.], kand.sel'skokhoz.
nauk; MINEVICH, S.M., kand.sel'skokhoz.nauk, otv.red.; GURENKO,
V.A. [Hurenko, V.A.], red.

[Organic fertilizers, their accumulation and effective utilization]
Organichni dobryva, ikh nahromadzhennia ta efektyvne zastosuvannia.
Kyiv, 1960. 39 p. (Tovarystvo dlia poshyrennia polutychnykh i
naukovykh snan' Ukrain's'koi RSR. Ser. [6 or 7], no.5.

(MIRA 13:6)

(Organiculture)

KOLONIY, Vladimir Panteleymonovich, kand.biolog.nauk; KLITSENKO, G.T.
[Klytsenko, H.T.], otv.red.; GURENKO, V.A. [Hurenko, V.A.], red.

[Ways of increasing livestock production; practices of the
"Pamiat' Lenina" Collective Farm, Cherkassy District, Cherkassy
Province] Na shliakhtu zbil'shennia vyrobnytstva produktiv
tvarynnytstva; z dosvidu kolhospu "Pam'iat' Lenina" Cherkas'koho
raionu Cherkas'koi oblasti. Kyiv, 1960. 39 p. (Tovarystvo dlia
poshyrennia politychaykh i naukovykh snan' Ukrain'skoi RSR. Ser.6,
no.5). (MIRA 13:6)

(Cherkassy District--Stock and stockbreeding)

TKACHENKO, Aleksey Yefimovich [Tkachenko, O.IU.], inzh.; NATANZON, I.I.,
kand.tekhn.nauk, otv.red.; GURENKO, V.A. [Hurenko, V.A.], red.

[Mechanization and electrification of agriculture in the
Ukraine during the seven-year plan] Mekhanizatsiia i elektry-
fikatsiia sil's'koho hospodarstva Ukrainy v seymrichchi. Kyiv,
1960. 39 p. (Tovarystvo dlia poshyrennia politychnykh i nauko-
vykh znan' Ukrain's'koi RSR. Ser.6, no.8). (MIRA 13:7)
(Ukraine--Electricity in agriculture)
(Ukraine--Farm mechanization)

SHMATOK, Yefim Gerasimovich [Shmatok, IU.H.], kand.sel'skokhoz.nauk;
KOLESNIK, M.M., doktor biolog.nauk, otv.red.; GURENKO, V.A.
[Hurenko, V.A.], red.

[New developments in the care and maintenance of farm animals]
Nove v dohliadi i utrymanni sil's'kohospodars'kykh tvaryn.
Kyiv, 1960. 39 p. (Tovarystvo dlia poshyrennia politychnykh
i naukovykh znan' Ukrain's'koi RSR. Ser.6, no.9).

(MIRA 13:8)

(Stock and stockbreeding)

NEREZOV, Timofey Alekseyevich [Neriezov, T.O.]; KONSEVICH, A.I. [Konsievych, A.I., kand.ekonoz.nauk, otv.red.]; GURENKO, V.A. [Hurenko, V.A.], red.

[Militant program for developing agriculture] Boiova programa rozvytku sil's'koho hospodarstva. Kyiv, 1960. 39 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukraini'koi RSR. Ser.6, no.10). (MIRA 13:9)

(Agriculture)

KONSEVICH, Anton Ivanovich [Konsievych, A.I.], kand.ekonom.nauk; ZHEREBKIN,
G.P. [Zharebkin, H.P.], kand.ekonom.nauk, otv.red.; GURENKO, V.A.
[Hurenko, V.A.], red.

[Carrying out the resolutions on the development of stockbreeding
as directed by the December Plenum of the Central Committee of the
CPSU] Vykoniemo rishennia hrudnevoho Plenumu TsK KPRS v dal'shomu
pidnesenni tvarynnytstva. Kyiv, 1960. 39 p. (Tovarystvo dlia
poshyrennia politychnykh i naukovykh znan' Ukrain's'koi RSR. Ser.6.
no.12). (MIRA 13:9)

(Stock and stockbreeding)

PSHENICHNYI, Nikon Ivanovich, kand.sel'skokhoz.nauk; LITVIN, S.G. [Lytvyn, S.H.], kand.sel'skokhoz.nauk, otv.red.; GURENKO, V.A. [Hurenko, V.A.], red.

[Increase the production of protein-rich forage plants] Zbil'shymo vyrobnytstvo kormovykh bilkovykh roslyn. Kyiv, 1960. 39 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrain's'koi RSR. Ser.6, no.21). (MIRA 14:1)

(Legumes)

YUKHIMCHUK, Fedor Filippovich [Iukhymchuk, F.P.], kand.sel'skokhoz.nauk;
GURENKO, V.A. [Hurenko, V.A.], red.

[Lupine, an important forage crop] Liupyn - vazhlyva kormova
kul'tura. Kyiv, 1960. 40 p. (Tovarystvo dlia poshyrennia poly-
tychnykh i naukovykh znan' Ukrain's'koi RSR. Ser.6, no.13).
(MIRA 13:10)

(Lupine)

LUCHKO, Aleksandr Sergeevich [Luchko, O.S.], agronom; VLASYUK, P.A.,
akademik, red.; GURENKO, V.A. [Hurenko, V.A.], red.

[Growing peas in the Ukraine] Dosvid vyroshchuvannia horokhu
na Ukraini. Za red. R.A.Vlasiuka. Kyiv, 1960. 43 p. (Tovarystvo
dlia poshyrennia politychnykh i naukovykh znan' Ukraini'koi RSR.
Ser.6, no.11). (MIRA 13:9)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk im. V.I.
Lenina; AN USSR i Ukrainskaya akademiya sel'skokhozyaystvennykh
nauk (for Vlasyuk).
(Ukraine--Peas)

VARSHAVSKIY, Boris Yakovlevich [Varshavs'kyi, B.Ya.], kand. sel'khoz. nauk;
KUZ'MICH, Semen Iovlevich [Kuz'mych, S.I.], kand. sel'khoz. nauk;
USHAKOV, Aleksandr Fedorovich, kand. tekhn. nauk; DERKACH, T.V.,
zasluzhennyy agronom URSR, Geroy Sotsialisticheskogo Truda, otv. red.;
GURENKO, V.A. [Hurenko, V.A.] red.

[Practices of growing monospermous sugar beets] Dosvid vyroshchuvannia odnonasennykh tsukrovyykh buriakiv. Kyiv, 1961. 42 p. (Tovarystvo dlia poshyrennia polityc'nykh i naukovykh znan' Ukrain's'koi RSR. Ser.5, no.3) (MIRA 14:7)

(Sugar beets)

TEREKHOV, Yakov Fedorovich; DROGICHINSKIY, M.O. [Drohychyns'kyi, M.O.], otv.red.;
GURENKO, V.A. [Hurenko, V.A.], red.

[Wages and productivity of labor] Produktyvnist' pratsi ta zarobitna
plata. Kyiv, 1961. 43 p. (Tovarystvo dlia poshyrennia politychnykh
i naukovykh znan' Ukrain's'koi RSR. Ser. 3, no.4) (MIRA 14:7)
(Wages and labor productivity)

DEMIDYUK, Fedor Grigor'yevich [Demydyuk, F.H.]; KALACHIKOV, O.T. [Kalachykov, O.T.], kand. sel'skokhoz. nauk, otv. red.; GURENKO, V.A. [Hurenko, V.A.], red.; MATVIICHUK, O.A., tekhn. red.

[Let's carry out the decisions of the January 1961 plenary sessions of the Central Committees of the CPSU and the Communist Party of the Ukraine in an exemplary fashion] Zrazkovo vykonaiemo rishennia sichnevykh Plenumiv TsK KPRS i TsK KP Ukrainy 1961 r. Kyiv, 1961. 43 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrain'skoi RSR. Ser. 5, no.5) (MIRA 14:8)
(Ukraine--Agriculture)

LITVIN , Stepan Gavrilovich [Lytvyn, S.H.], kand. sel'khoz. nauk; SEVAST'YANOV, I.G. [Sevast'ianov, I.H.], kand. sel'khoz. nauk, ðtv. Fed.; GURENKO, V.A. [Hurenko, V.A.], red.; MATVIICHUK, O.A., tekhn. red.

[Cultivation of oilseed plants in the Ukraine] Oliini kul'tury na Ukraini. Kyiv, 1961. 49 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrain's'koi RSR. Ser.5, no.12) (MIRA 14:11)
(Ukraine--Oilseed plants)

SAVCHENKO, Ol'ga Semenovna, svinarka; BABICHEV, G.T. [Babychev, H.T.],
kand. sel'khoz. nauk, otv. red.; GURENKO, V.A. [Hurenko, V.A.],
red.; MATVIICHUK, O.A., tekhn. red.

[Initial successes] Pershi uspekhy. Kyiv, 1961. 44 p. (Tovarystvo
dlia poshyrennia politychnykh i naukovykh znan' Ukrain's'koi RSR.
Ser.5, no.7) (MIRA 14:9)

1. Kolhoz "Chervonny khliborob" Obukhovskogo raiona Kiyevskoy oblasti
(for Savchenko).

(Obukhov District—Swine breeding)

POPOVICH, Feodosiy Yakovlevich [Popovych, F.Ya.], kand. sel'skokhoz. nauk;
MARTINYUK, D.M. [Martynyuk, D.M.], agronom, otv. red.; GURENKO, V.A.
[Hurenko, V.A.], red.; MATVIICHUK, O.A., tekhn. red.

[Greenhouse management on collective and state farms] Parnykovo-
teplychne hospodarstvo v kolhospakh ta radhospakh. Kyiv, 1961.
47 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Uk-
rains'koi RSR. Ser. 5, no. 2) (MIRA 14:8)
(Greenhouse management)

KOLOBOV, Aleksey Nikolayevich [Kolobov, O.M.], doktor sel'khoz. nauk;
SAVITSKIY, K.A. [Savyts'kyi, K.A.], kand. sel'khoz. nauk, otv. red.;
GURENKO, V.A. [Hurenko, V.A.], red.; MATVIICHUK, O.A., tekhn. red.

[For 50 centners of shelled corn per hectare] Za 50 tsentneriv zerna kukurudzy z hektara. Kyiv, 1961. 47 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrain's'koi RSR. Ser.5, no.8)

(MIRA 14:9)

(Ukraine--Corn (Maize))

PSHENICHNYY, Nikon Ivanovich [Pshenychnyi, N.I.], kand.sel'skokhoz.nauk;
LIKHVAR, D.F., otv.red.; GURENKO, V.A. [Hurenko, V.A.], red.

[Increase the production of pulse crops] Zbil'shyty vyrobnytstvo
zernobobovykh kul'tur. Kyiv, 1961. 48 p. (Tovarystvo dlia
poshyrennia politychnykh i naukovykh znan' Ukrain's'koi RSR.
Ser.5, no.1).
(MIRA 14:6)

1. Chlen-korrespondent Ukrain's'koi Akademii sel'skokhozyaystvennykh
nauk (for Likhvar).

(Legumes)

GORBAN', Nikolay Ivanovich [Horban', M.I.], kand. vet. nauk; GURENKO, V.A.,
[Hurenko, V.A.], red.; MATVIICHUK, O.A., tekhn. red.

[Controlling communicable diseases in livestock] Borot'ba z infek-
tsiinymy zakhvoriuvanniam u tvarinnytstvi. Kyiv, 1961. 43 p.
(Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrain's'-
koi RSR. Ser.5, no.21) (MIRA 14:12)
(Stock and stockbreeding--Diseases and pests)

YUKHIMCHUK, Fedor Filippovich [Iukhymchuk, F.P.], kand. sel'khoz. nauk;
GURENKO, V.A. [Hurenko, V.A.], red.; MATVIICHUK, O.A., tekhn. red.

[Second and companion crops in Ukraine] Povtorni ta uschil'neni posivy na Ukraini. Kyiv, 1961. 47 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrain's'koi RSR. Ser.5, no.13)

(MIRA 14:11)

(Ukraine--Companion crops)

SHMATOK, Yefim Gerasimovich [Shmatok, IU.H.], kand. sel'khoz.nauk;
GURENKO, V.A. [Hurenko, V.A.], red.; ZELENKOVA, E.F. [Zelenkva,
IE.F.], tekhn. red.

[Let us secure high livestock production with correct feeding]
Pravyd'noiu hodivleiu zabezpechymo vysoku produktyvnist' tvaryn.
Kyiv, 1961. 49 p. (Tovarystvo dlia poshyrennia politychnykh i
naukovykh znan' Ukrain'skoi RSR. Ser.5, no.14) (MIRA 14:12)
(Stock and stockbreeding--Feeding and feeds)

VASIL'YEV, Vadim Petrovich [Vasyl'iev, V.P.], akademik; SHISHKOVA, M.I.,
[Shyshkova, M.I.], kand. sel'khoz. nauk; GURENKO, V.A. [Hurenko, V.A.],
red.; MATVIICHUK, O.A., tekhn. red.

[Pests and diseases of fruit and measures for their control] Shkid-
nyky ta khvoroby plodovykh kul'tur ta zakhody borot'by z nyky.
Kyiv, 1961. 47 p. (Tovarystvo dlia poshyrennia politychnykh i na-
ukovykh znan' Ukrain'skoi RSR. Ser.5, no.19) (MIRA 15:1)

1. Ukrainskaya akademiya sel'skokhozyaystvennykh nauk (for Vasil'yev).
(Fruit culture--Diseases and pests)

SOLTINSKIY, Vladimir Petrovich [Soltyns'kyi, V.P.], agronom; VATAGIN, S.V. [Vatahin, S.V.], agronom, otv. red.; GURENKO, V.A. [Hurenko, V.A.], red.; MATVIICHUK, O.A., tekhn. red.

[Strong wheats in the Ukraine] Syl'ni pshenytsi na Ukraini. Kyiv, 1961. 51 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrain's'koi RSR. Ser.5, no.10) (MIRA 14:11)
(Ukraine---Wheat)

LIKHVAR, Daniil Fedorovich [Lykhvar, D.F.]; CHEMERIS, Petr Klimovich [Chemerys, P.K.], aspirant; GURENKO, V.A. [Hurenko, V.A.], red.; VLASYUK, P.A., akademik, otv. red.; PATVIICHUK, O.A., tekhn. red.

[Companion cropping of corn with pulse for silage] Sumisne vyroshchuvannia kukurudzy z zernobobovymy na sylos. Kyiv, 1961. 45 p. (Tovarystvo dlia poshyrennia politychrykh i naukovykh znan' Ukrain's'koi RSR. Ser.5, no.24) (MIRA 15:2)

1. Chlen-korrespondent Ukrain's'koy akademii sel'skokhozyaystvennykh nauk (for Likhvar). 2. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk im. V.I.Lenina, Akademiya nauk USSR i Ukrain's'kaya akademiya sel'skokhozyaystvennykh nauk (for Vlasyuk). (Companion crops) (Ensilage)

RADCHEKNO, Andrey Akimovich, doktor ekon. nauk, prof.; SHEVCHENKO,
D.D., otv. red.; ~~GURENKO, V.A.~~ [Hurenko, V.A.], red.;
MATVIICHUK, O.A., tekhn. red.

[Economic law of distribution according to labor and the
stimulation of labor on collective farms] Ekonomichnyi za-
kon rozpodilu po pratsi i stymuliuвання pratsi v kolhos-
pakh. Kyiv, 1962. 46 p. (Tovarystvo dlia poshyrennia politych-
nykh i naukovykh znan' Ukrain's'koi RSR, Seria V, no.4)
(MIRA 16:8)

(Ukraine--Collective farms--Income distribution)

GURENKOV, A.V., inzh.

Assembling construction elements of precast reinforced concrete
bin trestles of blast-furnace plants. Mont. stroit. konstr.
no. 2/12:15-27 '59. (MIRA 14:2)

1. Proyektnyy institut Promstal'knostruktsiya.
(Precast concrete construction) (Blast furnaces)

BOLOBAN, N.A., kand.tekhn.nauk; GURENKOV, A.V., inzh.; PONOMAREV, I.P.,
inzh., nauchnyy red.; SHIROKOVA, G.M., red.izd-va; NAUMOVA, G.D.,
tekhn.red.

[Practice of erecting precast reinforced-concrete bunker trestles
at blast furnaces] Opyt montazha sbornykh zhelezobetonnykh
bunkernykh estakad domennykh tsekhov. Moskva, Gos.izd-vo lit-ry
po stroit., arkh. i stroit.materialam, 1960. 65 p.

(MIRA 14:6)

(Blast furnaces—Equipment and supplies)
(Precast concrete construction)

SMOL'SKAYA, A.Z.; GURENKOV, A.V.; TUBYANSKIY, G.M., inzh., nauchnyy
red.; SKVORTSOVA, I.P., red.izd-va; TEMKINA, Ye.L., tekhn.red.

[Efficient methods for assembling precast and precast-monolithic
shell roofs] Ratsional'nye metody montazha sbornykh i sborno-
monolitnykh svodov-obolochek. Moskva, Gos.izd-vo lit-ry po stroit.,
arkhit. i stroit.materialam, 1960. 72 p. (MIRA 13:6)
(Roofs, Shell)

GURENLU, B S

7

Adsorption potentials for concentrated hydrochloric acid.
 U.S. Geol. Surv. Bull. 1000 (1956).
 Zhar. Fiz. Khim. 30, 1846-4 (1954).—The adsorption
 potentials were measured for solns. of HCl, HBr, and
 H₂SO₄ both on their free surface as well as at an acid-Hg
 boundary. The acid concns. were varied from 0 to 15.8M.
 The measurements showed that the potentials on the
 free surface are of the same order of magnitude as those at
 the acid-Hg interface for concd. solns. The adsorption

1/4 E 4 j - 4

potential depends on the quantity of ions in the surface
 layer. L. Bardina-Lenchik

RM

GURENKOV, B.S.; MAKEYEVA, Ye.D.; NIKOLAYEVA, I.N.; NIKITIN, Yu.S.

Lubricating greases obtained by the thickening of lubricating
oils with silica gel and silica alumina gel. Trudy VNII NP
no.7:389-403 '58. (MIRA 12:10)
(Lubrication and lubricants)

PLATE I BOOK EXPLANATION 807/392

Abstracts meet 85th. Institute Fizicheskii Khimii

Problems Kinetics & Catalysis. [v. 10] Felix I Galois-Bunalya Institute
(Problems of Kinetics and Catalysis. [vol. 10] Physics and Physical-
Chemistry of Catalysis) Moscow, Izdato AN SSSR, 1960. 101 p. French
slip inserted. 2,600 copies printed.

Vol. 1: S.Z. Engel'nyy, Corresponding Member of the Academy of Sciences USSR,
and O.Y. Etylov, Candidate of Chemistry Ed. of Publishing House: A.L.
Molodtsov; Techn. Ed.: G.M. Akov'yan.

REPORT: This collection of articles is addressed to physicists and chemists
newcomers to the community of scientists in general interested in recent
research on the physics and physical chemistry of catalysis.

CONTENTS: The articles in this collection were read at the conference on the
Physics and Physical Chemistry of Catalysis organized by the USSR Ministry
of Higher Education and Science, Academy of Sciences (USSR) and by
the AN SSSR (Section of Chemical Sciences, Academy of Sciences USSR) and by
the Academic Council on the problem of the scientific bases for the selection
of catalysis. The conference took place at the Institute Fizicheskii Khimii AN
USSR (Institute of Physical Chemistry of the AN USSR) in Moscow (March 20-23, 1960.
The program of material presented at the conference, only papers not
of the general character were included in this collection.

III. SOME GENERAL PROBLEMS OF CATALYSIS

Yurkin, A.I. Spectroscopy of Single Processes on the Surfaces of Oxide
Catalysts 214

Grig'ko, I.M. Types of Active Complexes and Their Role in Homogeneous
Catalysis 225

Blahozhny, I.A. [Institute Institute Judzhanskyi Khimicheskii
Institute of Transpiration Technology] Some Problems of Organic Catalysis 230

IV. ACID - BASE CATALYSIS

Topolovskiy, E.V. [Department of Chemistry of Moscow State University].
Nature of the Activity of Aluminosilicate Cracking Catalysts 247

Galitskiy, E.M. [Institute of Chemical Physics of the AN USSR]. Mechanism
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GURENKOV, B.S.

Acidic properties and cracking capacity of catalysts. Probl. kin. i
kat. 10:310-313 '60. (MIRA 14:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke
nefti i gaza i polucheniyu iskusstvennogo zhidkogo topliva.
(Catalysts)

GURENKOV, V.N.

TEMKIN, Boris Semenovich; GURENKOV, V.N., nauchnyy red.; GRIBNAG, S.M.,
red.; GILSON, F.G., tekhn.red.

[Designing processes for assembly-line grinding and polishing
of sheet glass] Raschety protsessov konveiernogo shlifovaniia
i polirovaniia listovogo stekla. Moskva, Gos. izd-vo lit-ry po
stroit.materialam, 1957. 61 p. (MIRA 11:6)
(Grinding and polishing) (Glass)

GURENOVA, Y. I.; YAKOVLEVSKAYA, T. A.

Powellite from the Iceland spar deposit in the Lower Tunguska
Valley. Trudy Min. muz. no. 134169-171 '62. (MIRA 16:2)
(Lower Tunguska Valley--Powellite)
(Lower Tunguska Valley--Iceland spar)

Z/O11/61/018/001/012/0i4
E112/E453

AUTHORS: Andreyev, P.A., Kreshkov, A.P. and Gureskiy, I. Ya.

TITLE: Some properties of silicone-modified nitrocellulose surface coatings

PERIODICAL: Chemie a chemická technologie, 1961, Vol.18, No.1, p.33, abstract Ch 61-451 (Lakokras. Materialy, 1960, No.1, pp.13-17)

TEXT: The reaction of nitrocellulose with organic silicone derivatives leads partly to a replacement of OH- by OSi-groups, and partly to transesterification of the nitric esters, with the production of high-molecular nitrocellulose derivatives and containing Si in linear or cross-linked structures. The physical and mechanical properties of coatings prepared from these polymers are listed. The modification, by means of organic silicones, improves the heat and water resistance of the coatings and increases their strength, adhesion and impact strength. 1 diagram, 1 table, 19 literature references.

[Abstractor's note: Complete translation.]

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KOSTRYUKOVA, K.Yu.; GURETSKAYA, F.S. [deceased]

So-called somatic fertilization in plants. Zhur.ob.biol. 17 no.1:
23-31 Ja-F '56. (MIRA 9:6)

1. Kafedra biologii Kiyevskogo meditsinskogo Ordena Trudovogo
Krasnogo Znameni insituta.
(FERTILIZATION OF PLANTS)

GURETSKAYA, V., prepodavatel'

What does the cook gain from a knowledge of chemistry?
Obshchestv. pit. no.3:35-36 Mr '63. (MIRA 16:6)

1. Leningradskiy tekhnikum obshchestvennogo pitaniya.
(Restaurants, lunchrooms, etc.—Vocational
guidance)

GURETSKAYA, V. L.

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

L 26491-66 EWT(m)/EWP(t)/ETI IJP(c) JD

ACC NR: AP6013070

SOURCE CODE: UR/0048/66/030/004/0637/0643

AUTHOR: Bundel, A.A.; Vishnyakov, A.V.; Galaktionov, S.S.; Guretskaya, E.I.; Zhukov, G.V.; Kamenskaya, S.A.; Kreytser, K.A.; Oranovskaya, T.V.; Chashchin, V.A.

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B

ORG: None

TITLE: On the effect of the preparation conditions on the formation of traps in ZnS and ZnO base phosphors and the influence of predecomposition phenomena in solid solutions of Cu_2O in ZnS on their luminescence /Report, Fourteenth Conference on Luminescence Held in Riga, 16-23 September 1965/

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 30, no. 4, 1966, 637-643

TOPIC TAGS: luminescence, crystal phosphor, zinc sulfide, current carrier, *luminophor*

ABSTRACT: Introduction of new experimental methods has increased rather than reduced the disagreement among different investigators regarding the structure of zinc sulfide luminophors. On the basis of previous investigations of glow curves and the polarity of the photocurrent carriers the authors showed that for the most part the discrepancies are due to inadequate control of the synthesis conditions, i.e., that the phosphors studied by different groups differed as regards structure owing to unintentional variations of the preparation conditions. Experiments show, for example, that truly self-activated ZnS exhibits only one glow curve peak, but that if the compound

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