OVCHINNIKOV, A., kandidat arkhitektury.

Building a home. Tekh. mol. 25 no.5:11-13 My '57. (MLRA 10:6)
(Building)

OVCHINNIKOV, A., kandidat arkhitektury.

Simple and beautiful. Tekh.mol. 25 no.6:34-35 Je '57. (MLRA 10:7
(Architecture--Designs and plans)

Ovchinnikov, A.

OVCHINNIKOV, A., kand. arkhitektury.

We must enjoy our dwellings. Tekh. mol. 26 no.1:23-25 '58.
(House furnishings) (MIRA 11:1)

ACCESSION NR: AP4041962 S/0280/64/000/003/0077/0083

AUTHOR: Ovchinnikov, A. A. (Moscow); Puginskiy, V.A. (Moscow)

TITLE: Application of the methods of logical diagrams to the planning and organization of a teaching process

SOURCE: AN SSSR. Izv. Tekhnicheskaya kibernetika, no. 3, 1964, 77-83

TOPIC TAGS: logical diagram, teaching theory, curriculum planning, education, flow chart, information flow chart

ABSTRACT: A mathematical theory of teaching which takes into account the optimum methods of planning, organization and administration of a course or a subject does not exist at the present time. The authors have investigated the possibility of the application of logical diagrams, used widely in operations research, to the planning and control of a college curriculum. Planning of a course can be represented by means of a logical flow chart in which all topics of the course, properly labeled, are placed in the center of the graph as a horizontal line of nodal points, all topics of prerequisite courses are placed in the upper left corner and all topics in subsequent courses which are based on the course being evaluated are placed in the lower right corner. When all topics are connected by lines with arrows indicating the flow of information, the resulting flow chart permits a

ACCESSION NR: AP4041962

rapid evaluation of the proper logical sequence of topics, and elimination of duplication and of topics for which there is no theoretical background. A curriculum plan can be constructed as a flow chart which determines the timing of all courses and assures a logical sequence of learning. It is convenient to place the topic nodes of each course on a horizontal line, starting with the basic course, so that the related topics of all courses are on a vertical line. The information flow within the course is toward the right and between the courses it is downward. Changes and corrections can be introduced by following the normal rules of sink and source displacement in a logical graph. A curriculum plan can also be formed with the help of a linear graph whose abscissa is the length of semesters in weeks and whose ordinate is the intensity of studies in hours per week. The area of the linear graph of each subject is proportional to the time allowed for its study. Basic subjects, which are required by all colleges, are placed at the top and are followed by specialization courses. Information flow boundaries, i.e., times at which a particular topic from one subject is required in another subject, are marked off by vertical lines. Total student work load is plotted at the bottom of the graph by summing areas of all subjects in a vertical direction. If this load is nonuniform, the intensity of separate subjects is readjusted to make the load uniform. Linear graphs can also be utilized by students to assist them in their planning. A conjecture is made that a curriculum flow chart can be used to derive mathematical algorithms of teaching planning and that computer techniques

Card 2/3

ARENDT,A.A., prof.; A.TARYAN,A.A., kand.med.nauk; BAIKOV,G.A.,prof.; VOLKOV,M.V., prof.; VARSHAVSKAYA, L.Ya., kand. med. nauk; VOROKHOBOV, L.A.; GERASIMOV, A.I., kand. med. nauk; DANIYEL'BEK, K.V., kand. med. nauk; DERZHAVIN, V.M., kand. med. nauk; DOLETSKIY, S.Ya., prof.; YERMOLIN, V.N.; ZATSEPIN, S.T., kand. med. nauk; ZVYAGINTSEV, A.Ye., dots.; ISAKOV,Yu.F., doktor med. nauk; KOZYREV, V.A., kand. med. nauk; KONOVALOV, A.N.; KORNYANSKIY, G.I., prof.; KLIMANSKIY, V.A., kand. med. nauk; KLIMKOVICH, I.S., dots.; KOLESNIKOV, N.I., kand. med. nauk LEVIT, G.Ya., kand. med. nauk; LEVYUSHKIN, A.I., kand. med. nauk; LEYBZON, N.B., doktor med. nauk, MALININA, L.I., doktor med. nauk, MAREYEVA, T.G., kandidat meditsinskikh nauk; NEKRASOV, S.I., kand. med. nauk; OVCHINNIKOV, A.A.; OGLEZNEV, K.Ya., kand. med. nauk; ROSTOTSKAYA, V.I., kand, med. nauk; STEPANOV, E.A., kand. med. nauk; EPSHTEYN, P.V.; OSTROVERKHOV, G.Ye., prof., glav. red.; DOMBROVSKAYA, Yu.F., prof., otv. red.

[Multivolume manual on pediatrics]Mnogotomnoe rukovodstvo po pediatrii. Moskva, Meditsina. Vol.9.[Pediatric surgery] Khirurgiia detskogo vozrasta. Red.toma S.IA.Doletskii. 1964. 654 p. (MIRA 17:9)

1. Deystvitel'nyy chlen AMN SSSR (for Dombrovskaya). 2. Chlen-korrespondent AMN SSSR (for Bairov, Volkov).

MISURKIN, I.A.; OVCHINNIKOV, A.A.

Calculation of molecular vibration frequencies by the molecular orbital method taking the benzene molecule as a model. Opt. i spektr. 16 no.2:228-233 F '64. (MIRA 17:4)

DOLETSKIY, S.Ya.; OVCHINNIKOV, A.A.

Progressive lobar emphysema and tension cysts of the lung in infants. Pediatriia 41 [i.e. 42] no.2:55-64 F '63.
(MIRA 16:4)

1. Iz kliniki detskoy khirurgii (zav. - prof. S.Ya.Doletskiy) TSentral'nogo instituta usovershenstvovaniya vrachey (rektor M.D. Kovrigina).

(EMPHYSEMA, PULMONARY) (CYSTS) (INFANTS--DISEASES)

USSR/ Engineering - Plant equipment

Card 1/1 Pub. 128 - 16/25

Authors : Komarnitskiy, M. A.; Ovchinnikov, A. A., Engineers; Poplavskiy, V. A.; and Khlopushin, N. A.

Title : Plant equipment and devices

Periodical : Vest. mash. 35/4, 65-70, Apr 1955

Abstract : Announcements are made by the Tool Manufacturing Plant im. Voskov about the manufacture of a new hexa-spindle, multicenter semiautomatic milling machine 6V-1 M-24, by the Novomoscow Sheet Iron Rolling Mill about the design of a washing-drying machine for tinned and pickled thin steel. A new arrangement for the drying of enamel paint coatings with the aid of industrial frequency currents is also described. Tables; graphs; drawings; illustrations.

Institution : .....

Submitted : .....

OVCHINNIKOV, A.A., inzhener

Washing-drying machine for sheet iron and pickled sheet steel.
Vest. mash. 35 no.4:67-68 Ap '55. (MLRA 8:6)
(Sheet metal) (Rolling-mill machinery)

L 56011-65 EWT(1) IJP(c)
ACCESSION NR: AP5012830 UR/0379/65/001/001/0071/0079

11
10
B

AUTHOR: Ovchinnikov, A. A.

TITLE: Transfer of electron excitation energy to vibrational degrees of freedom in complex molecules. I.

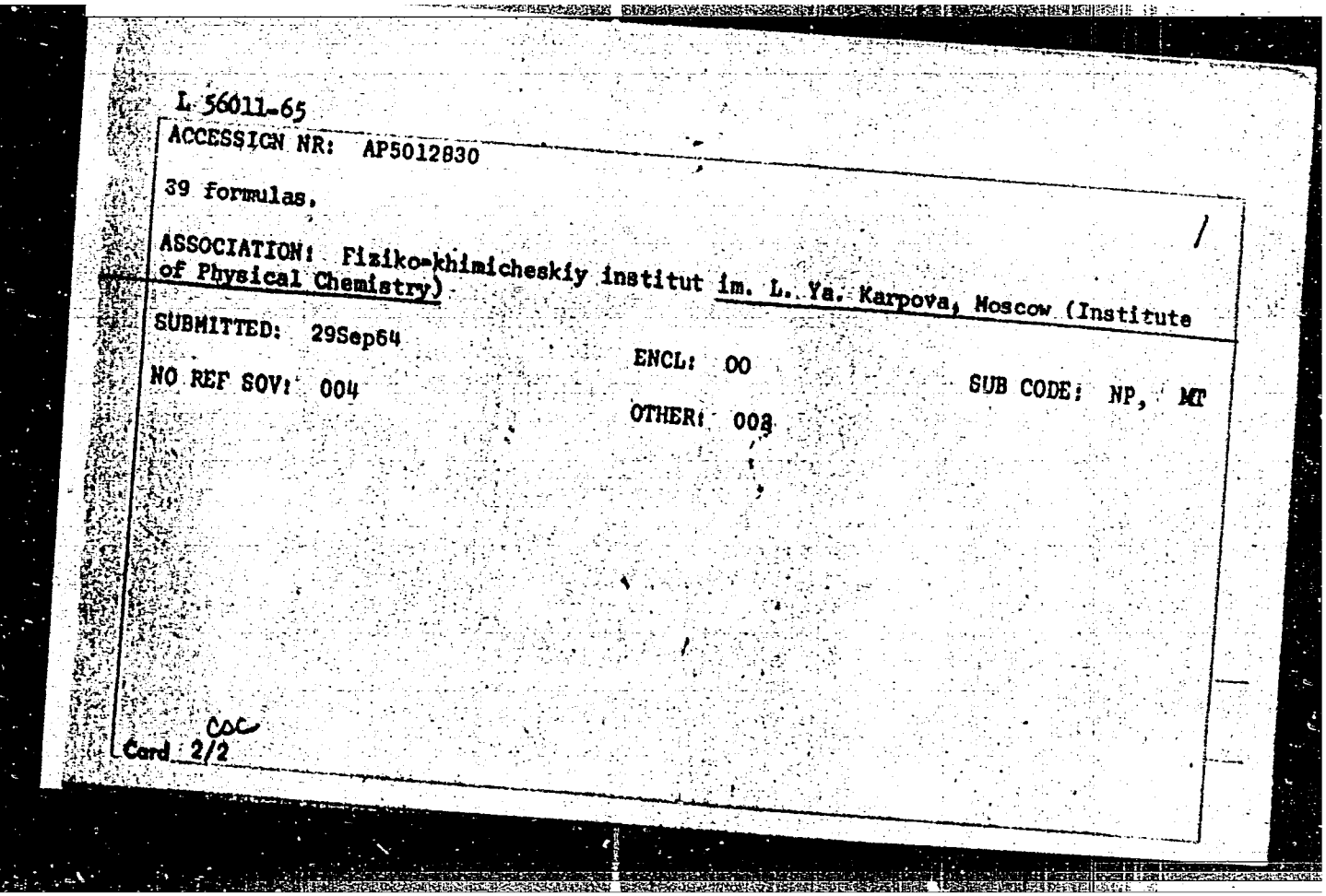
21

SOURCE: Teoreticheskaya i eksperimental'naya khimiya, v. 1, no. 1, 1965, 71-79

TOPIC TAGS: molecular orbital method, paraffin

ABSTRACT: Quantum mechanical treatment is given to the transfer of electron excitation energy to vibrational degrees of freedom in gaseous paraffins irradiated with 100 ev electrons. The electron structure of paraffins is treated from the molecular orbital theory standpoint. It was found that the energy transfer mechanism is analogous to the Landau-Zinerovskiy mechanism for the transfer of energy from electron excitation to nuclear motion at the point of intersection of the terms in reactions involving small molecules [L. Landau and Ye. Lifshits, *Kvantovaya mekhanika*, 1963, GIFML, p. 380]. A nonstationary nonadiobatic wave function was found for a positive ion of a long molecule. The distribution of vibrational energy along the chain length is studied using this wave function. Orig. art. has:

Card 1/2



L 56011-65
ACCESSION NR: AP5012830

39 formulas.

ASSOCIATION: Fiziko-khimicheskiy institut im. L. Ya. Karpova, Moscow (Institute of Physical Chemistry)

SUBMITTED: 29Sep64 ENCL: 00 SUB CODE: NP, MT

NO REF SOV: 004 OTHER: 003

Card 2/2 cac

OVCHINNIKOV, A.A.

Characteristics of the phonon spectrum of one dimensional [illegible]
Fiz. tver. tela [illegible] no.3:832-837 Mr '65.
(MIRA 18:4)

1. Nauchno-issledovatel'skiy fiziko-khimicheskiy institut imeni Karpova, Moskva.

DOLETSKIY, S.Ya., prof.; OVCHINNIKOV, A.A.; DRACHEVA, Ye.I.

Tension syndrome in the thoracic cavity in newborn infants and very young children. Vest. rent. i rad. 40 no.6:11-16 N-D '65. (MIRA 19:1)

1. Klinika detskoy khirurgii (zav. - prof. S.Ya. Doletskiy TSentral'nogo instituta usovershenstvovaniya vrachey i Detskaya gorodskaya klinicheskaya bol'nitsa No.2 imeni I.V. Rusakova, Moskva.

ACC NR: AP6034268 SOURCE CODE: UR/0386/66/004/007/0248/0252

AUTHOR: Misurkin, I. A.; Ovchinnikov, A. A.

ORG: Physicochemical Scientific Research Institute im. L. Ya. Karpov (Nauchno-issledovatel'skiy fiziko-khimicheskiy institut)

TITLE: Electronic structure of long molecules with conjugated bonds

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniye, v. 4, No. 7, 1966, 248-252

TOPIC TAGS: molecular electronics, complex molecule, metal property, chain polymer, conjugated bond system

ABSTRACT: The authors show, with polyene ($(CH_2)_N$) as an example, that when the length (N) of a molecule with conjugated bonds increases the molecules does not become a one-dimensional metal, as is customarily assumed, since the experimental data show, to the contrary, that with increase in the length of the polyene chain the magnitude of the first electronic transition tends to a finite value ~2.24 ev. The gap in the spectrum that might be attributed to the transition of the molecule into a state with alternating bond lengths as $N \to \infty$ is one order of magnitude smaller than the experimental value. Furthermore, Langmuir oscillations in a one-dimensional system have an acoustic character, and consequently cannot explain the observed spectrum. The authors therefore propose an explanation of the experimental facts on the basis of an allowance for the electron repulsion. The wave function of the electrons of the chain is calculated

Card 1/2

OVCHINNIKOV, A.

Economic effectiveness of capital investment in irrigation projects. (MIRA 10:7)
Vop.ekon. no.6:65-73 Je '57.
(Irrigation) (Agriculture--Economic aspects)

AUTHOR: Ovchinnikov A.A., Engineer

99-58 5-3/12

TITLE: On Increasing the Efficiency of Irrigation in the Rostov Oblast (O povyshenii ekonomicheskoy effektivnosti orosheniya zemel' v Rostovskoy Oblasti)

PERIODICAL: Gidrotekhnika i Melioratsiya Nr 5, pp 19-29 (USSR), 1958

ABSTRACT: The author describes the increased output of various agricultural products in the Rostov Oblast', reviewing the production figures of each product and advising how to further increase this output.
There are 7 tables.

AVAILABLE: Library of Congress

Card 1/1 1. Irrigation systems-Operation 2. Agriculture-USSR 3. Water supplies-USSR

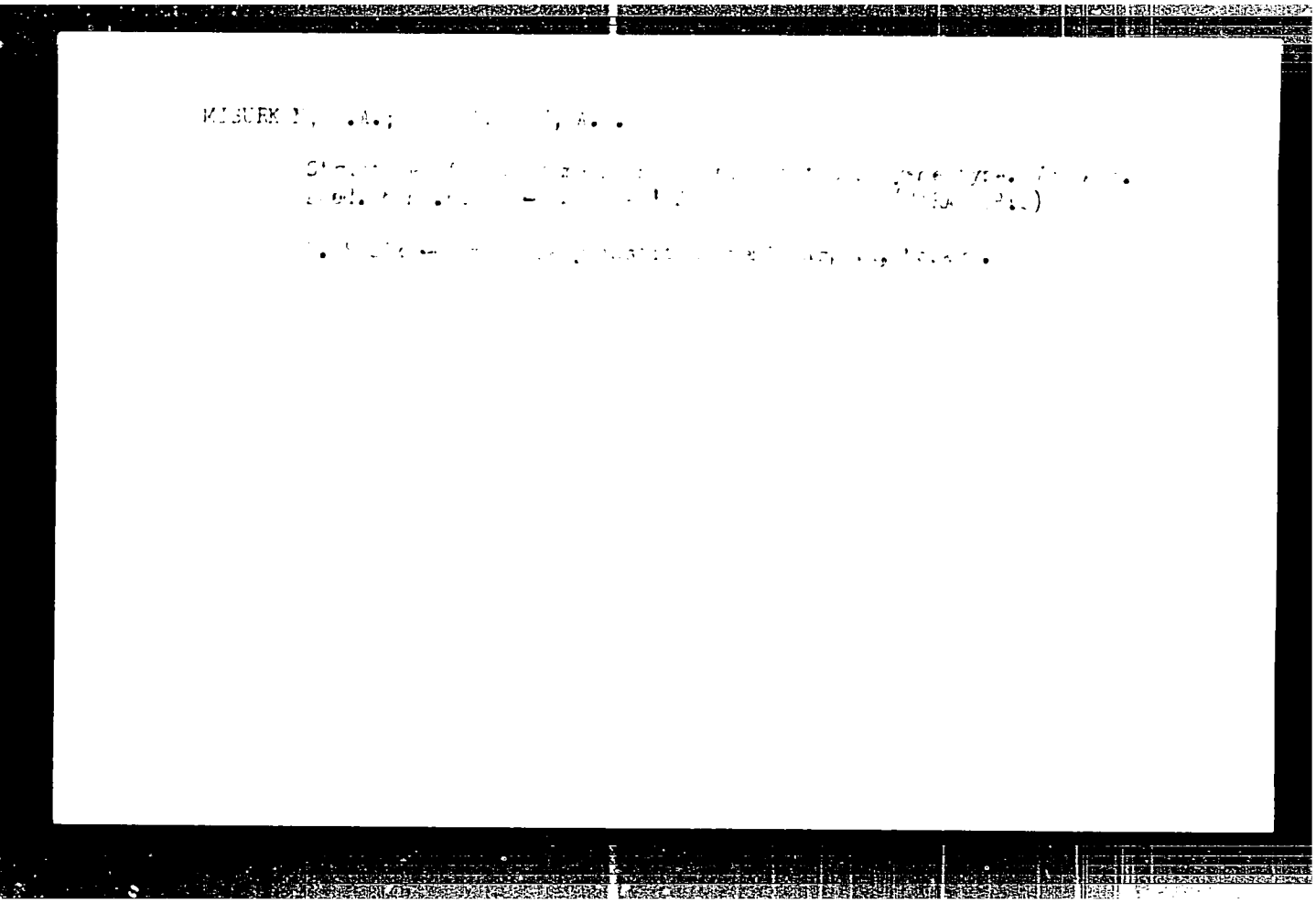
OVCHINNIKOV, A.A.

Irrigation and cultivation of winter wheat. Zemledelie 6 no.6: 15-18 Je '58. (MIRA 11:6)
(Rostov Province--Wheat)
(Soil moisture)

OVCHINNIKOV, A.A.

Utilization of water and land resources in the Volga-Akhtuba zone.
Gidr. i mel. 12 no. 12:3-14 D '60. (MIRA 14:1)

1. Yushgiprovodkhoz.
(Volga-Akhtuba Flood Plain--Water resources development)
(Volga-Akhtuba Flood Plain--Agriculture)



OVCHINNIKOV, A.A.; SUKHANOV, A.D.

Wave functions and electron terms of a molecular hydrogen ion. Dokl. AN SSSR 157 no.5:1092-1095 Ag '64.
(MIRA 17:9)

1. Fiziko-khimicheskiy institut im. Karpova. Predstavleno akademikom N.N. Bogolyubovym.

OVCHINNIKOV, A.A.

Energy transfer of electron excitation to vibrational degrees of freedom in complex molecules. Part 1. Teoret. i eksper. khim. 1 no.1:71-79 Ja-F '65. (MIRA 18:7)

1. Fiziko-khimicheskiy institut imeni Karpova, Moskva.

OVCHINNIKOV, A.A.

State of the self-trapped holes in paraffinic hydrocarbons. Zhur. strukt. khim. 6 no.2:291-294 Mr-Ap '65. (MIRA 18:7)

1. Fiziko-khimicheskiy institut imeni Karpova.

L 49046-65 EPF(c)/EWP(j)/EWT(m)/T Pc-4/Pr-4 RM

ACCESSION NR: AP5006890 S/0181/65/007/003/0832/0836

AUTHOR: Ovchinnikov, A. A.

TITLE: Singularities in the phonon spectrum of one-dimensional chains

SOURCE: Fizika tverdogo tela, v. 7, no. 3, 1965, 832-836

TOPIC TAGS: hydrocarbon polymer, phonon spectrum, electron spectrum, one dimensional chain, adiabatic approximation, conduction electron, lattice structure, lattice property

ABSTRACT: The author considers the effect of delocalization of the electrons on the dynamic properties of a one-dimensional lattice, using a hydrocarbon polymer $(CH)_{2N+2}$ as an example. The vibrational spectrum is calculated for such molecules in the adiabatic approximation, and the electronic spectrum is calculated in the strong-coupling approximation. The calculation technique was developed by A. B. Migdal (ZhETF v. 34, 1438, 1958) and some of the parameters were taken from an earlier paper by the author (with I. Misurkin, Opt. i spektr. v. 16, 228, 1964). It is shown that a long polymer chain of the type considered should have essential non-monotonicities on the edge of the phonon spectrum. It is noted that the phonon

Card 1/2

L 49046-65 2
ACCESSION NR: AP5006890

spectrum has a slope inversely proportional to the gap at the edge of the band. Allowance for the non-adiabaticity does not change the conclusions concerning the phonon spectrum. "We thank Yu. Kagan for reading the article and making critical remarks." Orig. art. has: 1 figure and 10 formulas.

ASSOCIATION: Nauchno-issledovatel'skiy fiziko-khimicheskiy institut im. L. Ya. Karpova, Moscow (Physicochemical Scientific Research Institute)

SUBMITTED: 19Sep64 ENCL: 00 SUB CODE: SS,OC

NR REF SOV: 002 OTHER: 003

Card 2/2 CC

L 52789-65 EWT(1)/EWT(m)/EWP(t)/EWP(b) IJP(c) JD

ACCESSION NR: AP5010731 UR/0181/65/007/004/1183/1186

14
12
B

AUTHOR: Ovchinnikov, A. A.

TITLE: Singularities in the phonon spectrum of metals of the bismuth type

SOURCE: Fizika tverdogo tela, v. 7, no. 4, 1965, 1183-1186

TOPIC TAGS: group V element, phonon spectrum, Brillouin zone, spectrum singularity, lattice vibration

ABSTRACT: The variation of the phonon spectrum is studied by determining the change in energy of the metal during the course of the oscillations of its lattice, using the adiabatic approximation. It is shown that the phonon spectrum of substances in which the valence band and the conduction band are degenerate over the entire Fermi surface in the undistorted structure, will have singularities on the edge of the Brillouin zone in a direction perpendicular to some crystallographic planes, on which the initial electron energy experienced no discontinuity. The qualitative aspects of this phenomenon are analyzed for the case of metals of group V (Bi, Sb, and others) and it is shown that for these metals the phonon

Card 1/2

L 52789-65
ACCESSION NR: AP5010731

spectrum has singularities in the [100] direction. "In conclusion I thank Yu. Kagan for reviewing the article and for critical remarks." Orig. art. has: 1 figure and 8 formulas.

ASSOCIATION: Nauchno-issledovatel'skiy fiziko-khimicheskiy institut im. L. Ya. Karpova, Moscow (Physicochemical Scientific Research Institute)

SUBMITTED: 19Sep64 ENCL: 00 SUB CODE: SS

NO REF SOV: 003 OTHER: 005

Card 2/2 BAB

ACCESSION NR: AT4041498 S/2910/63/003/01-/0073/0077

AUTHOR: Ovchinnikov, A. A., Khomskiy, D. I.

TITLE: Expression of atomic effects by means of Green's function

SOURCE: AN LitSSR. Litovskiy fizicheskiy sbornik, v. 3, no. 1-2, 1964, 73-77

TOPIC TAGS: Green function, atomic theory, quantum mechanics, wave function, electron scattering, photon absorption, photon emission, electron transition, electron paramagnetic resonance, Born approximation

ABSTRACT: One-particle and two-particle Green functions, $G_{\alpha\beta}(xt|x't')$ and $G_{\alpha\beta}(xt, y\tau|x't', y'\tau')$, can be expressed in terms of second-quantized wave functions, $\Psi(xt)$. Using the Born approximation for interaction between the atom and the outside perturbations and exact expressions for interaction between the electrons within the atom, and using the unit system $\hbar = c = 1$, the author derives the following expressions in terms of Green functions: Differential cross-section of electron scattering with transition of the atom from state $|\alpha\rangle$ to state $|\beta\rangle$, $d\sigma_{\alpha\to\beta}(p')$, and the amplitude of this scattering, $f_{\alpha\to\beta}(q)$. ($q = p - p'$ = transmitted momentum, p = momentum of approaching electron) for elastic and inelastic scattering. Performing all possible commutations in $f_{\alpha\to\beta}$.

1/2

Card

MISURKIN, I.A.; CVCHINNIKOV, A.A.

Calculation of bond distances and angles in molecules with conjugate bonds. Zhur. strukt. khim. 5 no.6:888-891 N-D '64. (MIRA 18:4)

1. Fiziko-khimicheskiy institut imeni Karpova.

ACCESSION NR: AP4043834 S/0020/64/157/005/1092/1095

AUTHORS: Ovchinnikov, A. A.; Sukhanov, A. D.

TITLE: Concerning the wave functions and electronic terms of the molecular hydrogen ion

SOURCE: AN SSSR. Doklady*, v. 157, no. 5, 1964, 1092-1095

TOPIC TAGS: Schrodinger equation, wave function, Stark effect, hydrogen ionization, molecular ion, Coulomb repulsive force

ABSTRACT: After pointing out that the previously given wave function of an electron in the field of two stationary Coulomb centers is incorrect, the authors solve the Schrodinger equation for the H_2^+ ion with the variables separated, in elliptical coordinates, in the form of an expansion in large R (R -- distance between the nuclei). The solution takes into account the Stark effect for the hydrogen atom in the field of another nucleus, which leads to the usual multipole

Card 1/2

OVCHINNIKOV, A. G.

Ovchinnikov, A. G. - "Theoretical study of the spring hammer," [illegible] nauch.-tekh. o-va (Moscow technical college im. Bauman), 1, [illegible]

SO: U-4355, 14 August [illegible]3, (Letopis 'Zhurnal 'nyk' Statey, No. 1[illegible], 19[illegible]9,

Dissertation: "Determination of Deformations, Stresses, and Displacements [illegible] Iron Frames of Open Inclined **Crankshaft** Presses." Cand Tech Sci, Moscow Order of Labor Red Banner Higher Technical [illegible], [illegible].
Vechernyaya Moskva, Moscow, [illegible].

SO: [illegible] 284, 26 Nov 1954

OVCHINNIKOV, A.G., kandidat tekhnicheskikh nauk.

Strength and rigidity calculations in designing cast iron frames for tilting crank presses. [Trudy] MVTU no.40:22-36 '55.(MLRA 9:8)
(Power presses)

OVCHINNIKOV, A.G., kandidat tekhnicheskikh nauk.

Determining the diameter of clamp bolts for tiltable crank presses. [Trudy] MVTU no.42:68-70 '55. (MLRA 9:5)
(Power presses) (Strains and stresses)

OVCHINNIKOV, A.G., kand.tekhn.nauk, dotsent

Forming pipes by internal and external pressure. Trudy MVTU no.111 153-156 '64.

Analysis of the stressed state in the center of deformation of a blank. Ibid.:157-161 (MIRA 17:9)

ZAKHAROV, A.T.; OVCHINNIKOV, A.G., kand. tekhn. nauk, red.

[Flow lines during deep drawing] Polosy tekuchesti pri shtampovke-vytiazhke. Moskva, Mashinostroenie, 1965. 68 p. (MIRA 18:5)

VORONOV, Yu.V.; OVCHINNIKOV, A.G.

Attachment to an electron-optical device for studying the luminescence of cathodoluminophors. Prib. i tekh. eksp. 8 no.3:190-191 My-Je '63. (MIRA 16:9)

1. Fizicheskiy institut AN SSSR.
(Electron optics) (Luminescence)

OVCHINNIKOV, A.G.

Selection of a crankshaft press for drawing. Kuz.-shtam. proizv. 3 no.1:30-33 Ja '61. (MIRA 14:1)
(Deep drawing (Metalwork)) (Power presses)

Ovchinnikov, A. G.

PHASE I BOOK EXPLOITATION SOV/3955

Moscow. Vyssheye tekhnicheskoye uchilishche

Mashiny i tekhnologiya obrabotki metallov davleniyem; sbornik statey (Machinery and Processes for the Pressworking of Metals; Collection of Articles) Moscow, Mashgiz, 1960. 246 p. (Series: Its: Trudy, vyp. 98) Errata slip inserted. 3,500 copies printed.

Ed.: A.I. Zimin, Doctor of Technical Sciences, Professor; Ed. of Publishing House: O.V. Chernyak; Tech. Ed.: T.F. Sokolova; Managing Ed. for Literature on Heavy Machine Manufacturing (Mashgiz): S.Ya. Golovin, Engineer.

PURPOSE: This collection of articles is intended for workers in scientific research institutions and in die-forging shops, and for engineering students.

COVERAGE: The book contains papers from the Department of Machines and Processes for the Pressworking of Metals of the MVTU (Moscow Higher Technical School imeni N.E. Bauman). The papers deal with theoretical and practical aspects of metal pressworking and with the theory and practice of forging machine and press design. These papers deal with machine hydraulics (selection of drives of presses, pressure in cylinders). A design of a hydraulic power-screw type "press-hammer", which can work as a percussion press or forging press, is presented. Problems of the theory of plastic deformation in forging, upsetting, and forming are also analyzed. 17 reference cards (Nos. 33 to 49) are appended to explain problems pertaining to the state of stress of plastically deformed metal. These cards are the continuation of cards presented in collection No. 79 of the MVTU, 1957. No personalities are mentioned. References accompany most of the articles.

TABLE OF CONTENTS:

137-58-6-12253

Translation from Referativnyy zhurnal Metallurgiya 1958 Nr 6 p 154 (USSR

AUTHOR Ovchinnikov A.G.

TITLE Use of Pressure Indicators in Testing Steam Hammers (Primeneniye datchikov davleniya dlya ispytaniy parovykh molotov)

PERIODICAL V sb. Mashiny i tekhnol. obrabotki metallov davleniyem (MVTU 79). Moscow Mashgiz, 1957, pp 17-21

ABSTRACT Presentation of the circuit and a photograph of a pneumatic pressure transducer that may be used to provide an oscillographic record of steam pressure in the cylinder in the steam chest and ahead of the throttle of a hammer. The ram stroke is recorded by means of a string hodograph. The procedure used in running experiments with pressure transducers on a steam hammer with dropping weights amounting to 2000 kg is described. Interpretation of the oscillogram is provided, and indicator diagrams are plotted.

M. Ts

[illegible] steam hammer [illegible] steam pressure [illegible] oscillograph --Ap[illegible]

Card 1/1

OVCHINNIKOV, A.G., kand.tekhn.nauk.

Using strain gauges in testing steam-powered hammers.
[Trudy] MVTU no.79:17-21 '57. (MIRA 11:1)
(Hammers) (Strain gauges)

CVCHINNIKOV M

PHASE I BOOK EXPLOITATION 252

Moscow. Vyssheye tekhnicheskoye uchilishche

Mashiny i tekhnologiya obrabotki metallov davleniyem; sbornik statey (Machines and Technology for Pressure Working of Metals; Collection of Articles) Moscow, Mashgiz, 1957. 127 p. (Its: [Trudy] vyp. 79) 5,000 copies printed.

Ed.: Zimin, A.I.; Ed. of Publishing House: Mezhova, V.A.; Tech. Ed.: Matveyeva, Ye.N; Chief Ed. of Literature on Heavy Machine Building [Mashgiz]: Golovin, S.Ya.

PURPOSE: This collection of articles is intended for workers in scientific research institutes and for others connected with forging and stamping.

COVERAGE: This book contains scientific transactions of the Moskovskoye vyssheye tekhnicheskoye uchilishche im. N.E. Baumana (Moscow Higher Technical School). Theoretical and experimental studies of problems in designing forging machines and in the technology of pressure working of metals are presented. The transactions

Card 1/5

AVAILABLE: Library of Congress

VK/lsb
4 June 1958

Card 5/5

STOROZHEV, Mikhail Vasil'yevich; POPOV, Yevgeniy Aleksandrovich; UNKSOV, Ye.P., doktor tekhn.nauk, prof., retsenzent; OVCHINNIKOV, A.G., red.; MODEL', B.I., tekhn.red.

[The theory of using pressure in metalwork] Teoriia obrabotki metallov davleniem. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1957. 423 p. (MIRA 11:1)
(Metalwork) (Forging)

SKURATOV, A.D., red.. V redaktirovanii prinimali uchastiye: SHKATOV, K.K.; FEDOROVA, M.A.; OVCHINNIKOV, A.I.; SIZOVA, A.I.; SIGEL', M.G.; KARVETSKIY, A.V.; KULICHKIN, A.V.; NIKOLAYEVA, Z.A.; STEPANOVA, V.P.; RYZHOVA, V.K.; MUZHIKOVA, V.N.. YEREMIN, N.I., red.; KHAKHAM, Ya.M., tekhn.red.

[Economy of Ul'yanovsk Province; a concise statistical manual] Narodnoe khoziaistvo Ul'ianovskoi oblasti; kratkii statisticheskii sbornik. Ul'ianovskoe knizhnoe izd-vo, 1958. 199 p. (MIRA 12:3)

1. Ulyanovsk (Province). Oblastnoye statisticheskoye upravleniye. 2. Nachal'nik Statisticheskogo upravleniya Ul'yanovskoy oblasti (for Skuratov).

(Ul'yanovsk Province--Statistics)

OVCHINNIKOV, A. I.

Ovchinnikov, A. I. an Maksimov, A. K. "The physico-chemical processes [illegible] in the butyrometer in determination of milk," Trudy Vses[illegible] issled. in-ta moloc. prom-sti Issue 11, 1[illegible], p. 4-18, - Bibliography: items

SO: U-4[illegible], 20 Oct 53, Letopis' Zhurnal'nykh Statey, No. 18, 1949.

OVCHINNIKOV, A I

A. I. OVCHINNIKOV

"Definin[illegible] the methods of determ[illegible] [illegible] tent in milk [illegible] [illegible]iry [illegible] establishing the value of [illegible] uni[illegible] [illegible]ation on the butyrom ter [illegible]," Report [illegible]; A. I. Ovchinnikov and A. [illegible]. Maksimova, "[illegible] [illegible]ete[illegible]ination of the f[illegible] [illegible] tent [illegible] low-fat milk and butter[illegible]," Trudy Vsesoyu[illegible]. nauch.-issled. in-ta molochn. prom-sti, [illegible] 11, 19[illegible]9, p. 19-63, - Biblio : [illegible] items

SO: U-[illegible], [illegible], (Letopis [illegible]hurnal [illegible] Statey, No. 1[illegible], 19[illegible]).

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

OVCHINNIKOV, A.I., dots.; ALYAMOVSKIY, I.G., inzh.

Formation of tartrate crystals in processed cheese. Trudy LTIKHP 5:102-104 '54. (MIRA 11:3)

(Cheese) (Tartrates)

GRISHCHENKO, A.D., kandidat tekhnicheskikh nauk; OVCHINNIKOV, A.I., kandidat khimicheskikh nauk; ZEN'KEVICH, V.V., inzhener.

Production of sour cream from reconstituted cream. Trudy MTIKHP no.36-41 '55. (MLRA 10:9)

1. Kafedra tekhnologii moloka i molochnykh produktov i kafedra biokhimii i mikrobiologii, Leningradskiy molochnyy zavod No.2. (Cream) (Milk)

Ovchinnikov, A. I.

Separation of tartrate crystals in processed cheese. A. I. Ovchinnikov and I. G. Alyamovskii. *Trudy Leningrad. Tekhnol. Inst. Kholodil'noi Prom.* 9, 102-4(1954); *Referat. Zhur., Khim.* 1955, No. 3128.—Use of tartrates in the production of processed cheese causes the formation of Ca tartrate which in time imparts to the cheese a "sandy" or gritty structure. If the initial material contains a large quantity of Ca it is unadvisable to add tartrates.

M. Hirsch

2

OVCHINNIKOV, A. I.

KORABEL'SHCHIKOV, Nikolay Ivanovich, kand.tekhn.nauk; KUT'IN, L.I., retsenzent; SHIMKO, K.N., retsenzent; OVCHINNIKOV, A.I., red.; SHLYKOVNIKOVA, Z.V., red.izd-va; YERMAKOVA, T.T., tekhn.red.

[Steam distribution in marine steam engines] Paroraspredelenie sudovykh parovykh mashin. Moskva, Izd-vo "Rechnoi transport," 1959. 284 p. (MIRA 13:2)
(Boilers, Marine) (Marine engines)

OVCHINNIKOV, Andrey Il'ich; GRIGOR'YEV, S.V., doktor geogr. nauk, kand. tekhn. nauk, nauchn. red.; TRUBIN, M.I., red.

[Water supply of hydroelectric power stations on the Suna and Vyg Rivers in Karelia] Opyt vodnogo khoziaistva sunskikh i vygskikh GES v Karelii. Petrozavodsk, Karel'skoe knizhnoe izd-vo, 1963. 97 p. (MIRA 18:7)

S/169/62/000/009/064/120
D228/D307

AUTHORS: Lyubavin, Yu. P. and Ovchinnikov, A. K.

TITLE: Gamma-radiation of uranium and its decay products in radioactive orebodies

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 9, 1962, 44, abstract 9A291 (In collection: Vopr. rudn. geofiz., no. 3, M., Gosgeoltekhizdat, 1961, 87-94)

TEXT: The relative portion of the γ-radiation intensity of various elements of the uranium series in the total γ-radiation was ascertained on the grounds of measuring integral and differential spectra of the γ-radiation of radioactive orebodies. The γ-radiation was measured on synthetic mixtures. These were prepared in the form of powdered samples of uranium oxide (in equilibrium with $ux_1 + ux_2$), radium (in equilibrium with Rn and its decay products), and RaD (in equilibrium with RaE) under conditions that were close to those of the natural occurrence of ores. Two models of "saturated volume" orebodies were used in the latter case; one was filled

OVCHINNIKOV, A.K.; IVASHCHENKO, T.F.; KHAYKOVICH, I.M.; ZOLOTNITSKIY, V.A.; ALIMOCHKIN, V.K.; ALEKSEYEV, V.V., otv. red.; BORUSHKO, T.I., red. izd-va; BYKOVA, V.V., tekhn. red.

[Instructions on gamma logging in prospecting for uranium deposits] Instruktsiia po gamma-karotazhu pri poiskakh i razvedke uranovykh mestorozhdenii. Moskva, Gosgeoltekhizdat, 1963. 133 p. (MIRA 16:8)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy geologicheskiy komitet.
(Uranium ores) (Radioactive prospecting)

LYUBAVIN, Yu.P.; OVCHINNIKOV, A.K.

Gamma radiation of uranium and of products of its failout in radioactive ore bodies. Vop.rud.geofiz. no.3:87-94 '61. (MIRA 15:8)

(Uranium—Isotopes) (Radioactive prospecting)

ALIMOCHKIN, V.K.; ZOLOTNITSKIY, V.A.; IVASHCHENKO, T.F.; KOLESOV, B.M.; LYUBAVIN, Yu.P.; OVCHINNIKOV, A.K.

Separate determination of the clarke of potassium and the total of heavy radioactive elements. Sbor. st. MGiON no.1:93-99 '62. (MIRA 16:3)

(Radioactive prospecting)

L 11049-63 EWT(1)/EWT(m)/BDS AFFTC/ASD TF/DM

ACCESSION NR: AP3001185 S/0089/63/014/005/0496/0499 56

AUTHOR: Kolesov, B. M.; Lyubavin, Yu. P.; Ovchinnikov, A. K.

TITLE: Gamma radiation spectra from radioactive ores under conditions of natural occurrence obtained with proportional counters

SOURCE: Atomnaya energiya, v. 14, no. 5, 1963, 496-499

TOPIC TAGS: Gamma radiation, xenon, gamma radiation of ores, proportional counter

ABSTRACT: The scintillation counters used until recently have a poor resolution for Gamma quanta of energy below 100 keV. Therefore, the authors have used a proportional counter. The counter of a 34 mm diameter and 200 mm length was filled with xenon at 2 atmospheres. The anode was a tungsten 0.1 mm wire. The cathode was a 1 mm thick steel cylinder. The counter was screened with aluminum. To simulate the ore in natural condition, 80 kgm of ore were used in iron containers of 330 mm in length and 430 mm in diameter. The apparent spectra were continuous with a maximum at about 25-30 keV. The authors explain this by the multiple scattering in the specimen and by a maximum efficiency of the scintillation counter in the mentioned region. The authors conclude that the proportional counter can be used in geological surveys because of their selective sensitivity. Equipped with a

Card 1/2

L 11049-63
ACCESSION NR: AP3001185 0

slitted screen, this counter is direction sensitive. Orig. art. has: 3 figures and 2 tables.

ASSOCIATION: none

SUBMITTED: 19May62 DATE ACQD: 21Jun63 ENCL: 00

SUB CODE: 00 NO REF SOV: 009 OTHER: 001

Card 2/2

KOLESOV, V.M., OVCHINNIKOV, A.K.; KHAYKOVICH, I.M.

Influence of uranium ore composition on the intensity of gamma radiation.
Vop.rud.geofiz. no.4:58-66 '64. (MIRA 18:1)

BONDAREV, V.M.; GUBANOV, V.G.; KOROVIN, P.K.; OVCHINNIKOV, A.K.; [illegible]; [illegible], A.I., red.

[Gamma-sampling of uranium ores in their natural occurrence] Gamma-opробovanie uranovykh rud v estestvennom zaleganii. Moskva, Izd-vo "Nedra," 1964. 204 p.
(GRA 17:7)

KOLESOV, B.M., LYUBAVIN, Yu.P., OVCHINNIKOV, A.K.

Gamma-ray spectra of radioactive ores in their natural beds recorded by proportional counters. Atom. energ. 14 no.5:496-499 My '63. (MIRA 16:6)

(Radioactive substances) (Gamma-ray spectrometry)

IVASHCHENKO, T.F.; KOLESOV, B.M.; LYUBAVIN, Yu.P.; OVCHINNIKOV, A.K.

Using gamma logging data to determine the limit of uranium and thorium in complex radioactive ores. Vop.rud.geofiz. no.3:99-101 '61. (MIRA 15:8)
(Radioactive prospecting) (Uranium ores) (Thorium)

ALIMOCHKIN, V.K.; IVASHCHENKO, T.F.; LYUBAVIN, Yu.P.; OVCHINNIKOV, A.A.; SHISHMOLIN, A.N.

Multiparameter, simultaneously recording, logging apparatus MAK for complex geophysical studies of holes in ore deposits. Vop.rud.geofiz. no.3:119-146 '61. (MIRA 15:5)
(Logging (Geology)—Equipment and supplies)

S/169/62/000/009/068/120
D228/D307

AUTHORS: Ivashchenko, T. F., Kolesov, B. M., Lyubavin, Yu. P. and Ovchinnikov, A. K.

TITLE: Question of separately determining uranium and thorium in complex radioactive ores from gamma-logging data

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 9, 1962, 48. abstract 9A318 (In collection: Vopr. rudn. geofiz., no. 3, M., Gosgeoltekhizdat, 1961, 99-101)

TEXT: On the grounds of the investigation of the integral spectra or uranium and thorium ores with the same effective atomic number the authors conclude that, in order to separate uranium and thorium components in radioactive ores, it is necessary to record γ-radiation with an energy above 1 Mev (the separation point). It is shown that, if this method is to be used under working conditions, the equipment's stability during the recording of radiation at the separation point must not be less than 1 - 2% for at least 3 - 4

Card 1/2

BRAMMAKOV, A.G.; OVCHINNIKOV, A.K.; LYUBAVIN, Yu.P.; OVCHINNIKOV, V.M.; SAZONOV, A.M.

Effect of the density of uranium ores and of the thickness of the iron absorbing layer on the gamma-ray spectrum of the ores as recorded by a scintillation counter. Atom. energ. 11 no.1: 69-71 Jl '61. (MIRA 14:7)
(Uranium ores) (Gamma rays--Spectra) (Scintillation counters)

GRAMMAKOV, A.G.; OVCHINNIKOV, A.K.; LYUBAVIN, Yu.P.; OVCHINNIKOV, V.M.; SAZONOV, A.M.

Effect of the composition of uranium ores on the gamma-ray spectrum as recorded by a scintillation spectrometer. Atom.energ. 10 no.6: 624-626 Je '61. (MIRA 14:6)

(Uranium ores) (Gamma rays)

ACC NR: AP6021442 SOURCE CODE: UR/0413/66/000/011/0049/0049

INVENTORS: Ovchinnikov, A. K.; Andreyev, P. F.; Alimochkin, V. K.; Gubanov, V. G.; Zolotnitskiy, V. A.; Kolesov, B. N.

ORG: none

TITLE: A method for geophysical investigation of drill holes. Class 21, No. 182255 [announced by All-Union Scientific Research Institute of Geophysical Exploration (Vsesoyuznyy nauchno-issledovatel'skiy institut razvedochnoy geofiziki)]

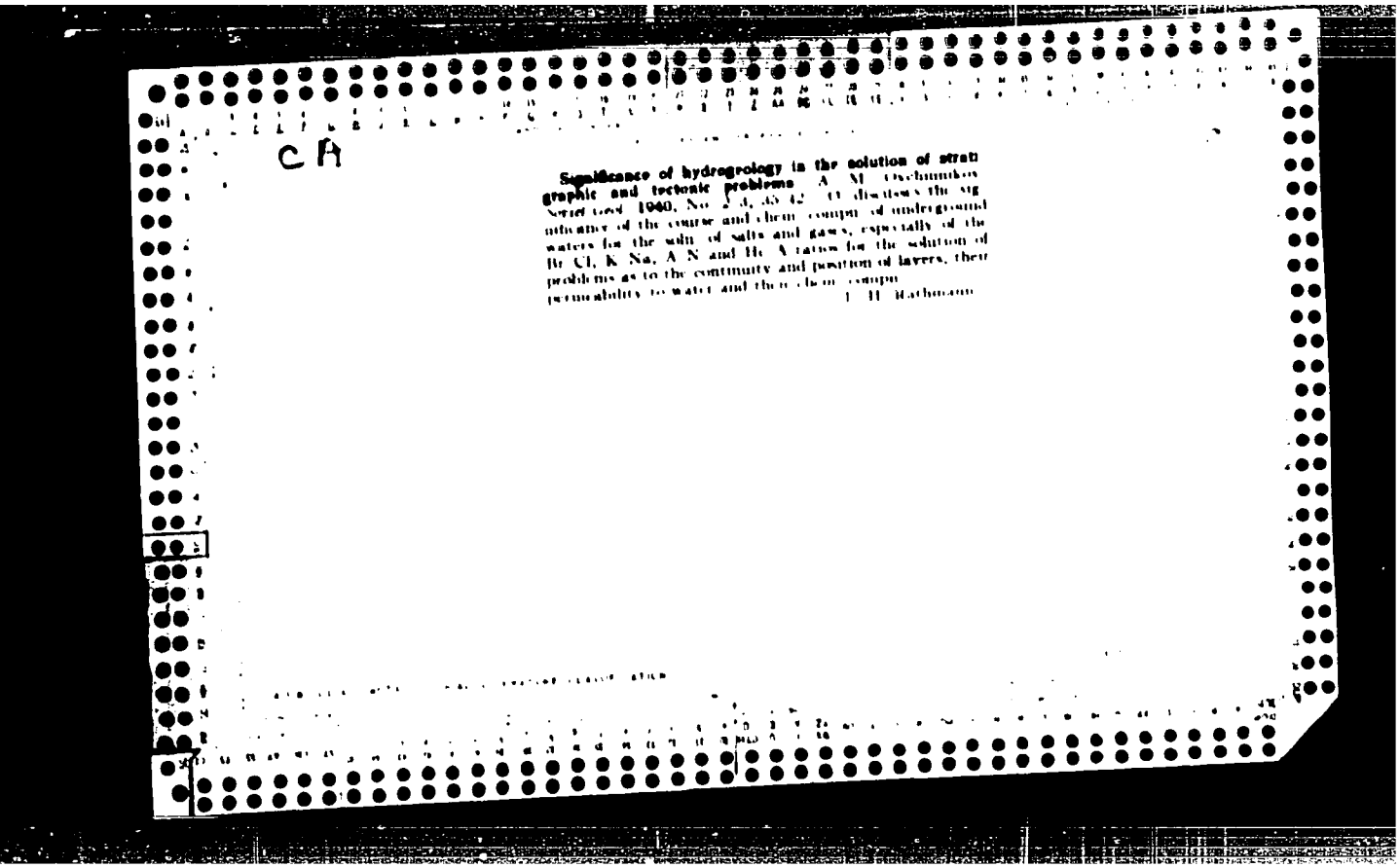
SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 11, 1966, 49

TOPIC TAGS: geologic exploration, geophysics, geochemistry

ABSTRACT: This Author Certificate presents a method for geophysical investigation of drill holes. The method is based on measuring the oxidizing-reducing potentials of rocks. To determine accurately the geological section of the drill hole, the walls of the hole are treated with a chemical reagent, such as hydrochloric acid, which intensifies the natural oxidizing-reducing potentials by changing the insoluble mineral forms of elements with variable valences into a soluble state. After a certain time, sufficient for dissolving the rocks, the artificially intensified oxidizing-reducing potentials are measured by the method of recording the potentials of the internal polarization.

SUB CODE: 08, 13/ SUBM DATE: 30Mar64

Card 1/1 UDC: 550.837:622.241



CA

Significance of hydrogeology in the solution of stratigraphic and tectonic problems A. M. Ovchinnikov. Sovet. Geol. 1940, No. 2-3, 45-62. (In Russian.) The significance of the course and chem. compn. of underground waters for the soln. of salts and gases, especially of the Br, Cl, K, Na, A, N and He, A ratios for the solution of problems as to the continuity and position of layers, their permeability to water and their chem. compn.

OVCHINNIKOV, A.N., redaktor

[Military geology] Voennaia geologiia. Moskva, Gos. izd-vo geol. lit-ry, 1945. 374 p. (MLRA 7:10)
(Geology) (Military engineering)

Ovchinnikov, A.M. PA [illegible]

USSR/Hydrology Sep 1946
Water, Underground

"On the Hydrothermal Conditions of the Earth's Crust," A.M. Ovchinnikov, Laboratory of Hydrogeological Problems, Academy of Sciences of the USSR, 3 pp

"Comptes Rendus (Doklady)" Vol LIII, No 7

The geothermal configuration with the earth is studied in its relation to the formation of underground waters. Recommendation is made for thermometric stations all over the globe for plotting isothermic profiles. It is mentioned how even small changes in temperature can lead to great changes in the gaseous and chemical composition of underground waters and minerals. 21758

OVCHINNIKOV, A. M.

"The Particularities of Hydrogeology in Mountainous Countries," Dokl. AN SSSR, 54, No.3, 1946

Lab. Hydrogeology Prob., AS USSR

1. OVCHINNIKOV, A. M.

2. USSR (600)

4. Geology

7. Mineral Waters, A. M. Ovchinnikov. (Moscow-Leningrad State Geological Press, 1947). Reviewed by M. Ye. Al'tovskiy and N. K. Ignatovich, Sov. Kniga, No 6, 1948.

9. [redacted] Report U-3081, 16 Jan. 1953, Unclassified.

OVCHINNIKOV, A. M.

"Fundamental Principles Governing the Application of Hydrogeological Criteria to Searches for the Locations of Mineral Resources," Voprosy Teoret. i Prikh. Geol., Sbor. 2, pp. 3-11, 1947

CA

14

Present status of the question concerning the formation of subterranean waters A. M. Ovchinnikov. *Trudy Lab. Gidrogeol. Problem im. F. P. Savarensskogo* 1, 36-51 (1948).—This is a general review of all phases of the subterranean water problem. A table is given for the hydrogeochemical interpretation of water analyses, which illustrates the utility of Kurlov's formula as a means of representing water analyses in a concise and efficient manner so as to make obvious at a glance under what characteristic type the water should be classified. V. H. Gottschalk

Lab; Hydrogeological Problems, AS [illegible]

OVCHINNIKOV, A.M.

Conditions responsible for the formation of hydrogen sulfide in the mineral waters of Matsesta. Trudy Lab. Gidrogeol. Problem im. F.P. Savarenskogo, Akad. Nauk S.S.S.R. 2, 64-71 '49. (MLRA 5:9)
(CA 47 no.15:7701 '53)

BINDEMAN, N.N.; SEMENOV, M.P., redaktor; KAMENSKIY, G.N., redaktor; OVCHINNIKOV, A.M., redaktor; PRIKLONSKIY, V.A., redaktor; ZOLOTAREV, G.S., redaktor.

[Methods of determining water permeability of rock by evacuation, filling and pressing] Metody opredeleniia vodopronitsaemosti gornykh porod otkachkami, nalivami n nagnetaniiami. Moskva, Ugletekhizdat, 1951. 51 p. (MLRA 7:7)
(Soil percolation) (Water, Underground)

KASHKAY, M.A.; OVCHINNIKOV, A.M., professor, doktor geologo-mineralogicheskikh nauk, redaktor

[Mineral resources of Azerbaijan] Mineral'nye istochniki Azerbaidzhana. Baku, Izd-vo Akademii nauk Azerbaidzhanskoi SSR, 1952. 503 p.
(Azerbaijan--Mines and mineral resources) (MLRA 10:1)

OVCHINNIKOV, A. M.

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

Name	Title of Work	Nominated by
Kamenskiy, G. N. Klimentov, P. P. Ovchinnikov, A. M.	"Hydrogeology of Deposits of Useful Minerals"	Moscow Geological Prospecting Institute imeni S. Ordzhonikidze

SO: W-30604, 7 July 1954

OVCHINNIKOV, A.M.

KAMENSKIY, G.N.; KLIMENTOV, P.P.; OVCHINNIKOV, A.M.

[Hydrogeology of mineral deposits] Gidrogeologiia mestorozhdenii poleznykh iskopaemykh. Pod red. G.N.Kamenskogo. Moskva, Gos. izd-vo geologicheskoi lit-ry, 1953. 354 p. (MLRA 7:7)
(Water, Underground) (Minewater)

OVCHINNIKOV, A.M.

Problem of "juvenile" waters. (In: Akademiia nauk SSSR. Voprosy petrografii i mineralogii. Moskva, 1953. Vol. 1, p.238-248)

(MLRA 7:4)

(Water, Underground) (Springs)

OVCHINNIKOV, A.M.

Principles of hydrogeochemical classification of underground waters. Biul. MOIP. Otd.geol. 28 no.2:86-87 '53. (MLRA 6:11)
(Water, Underground)

OVCHINNIKOV, A.M.

Systematisation of the composition of underground waters. Razved. i okh.nedr 20 no.5:37-40 S-O '54. (MLRA 10:1)
(Water, Underground)

KLIMENTOV, P.P.; OVCHINNIKOV, A.M., redaktor; ENTIN, M.L., redaktor; KISELEVA, A.A., tekhnicheskiy redaktor

[Hydrogeology; brief course of general and mine hydrogeology] Gidrogeologiia; kratkii kurs obshchei i rudnichnoi gidrogeologii. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geologii i okhrane nedr, 1955. 311 p. [Microfilm] (MLRA 8:3)
(Water, Underground) (Mine water)

OVCHINNIKOV, A.M.; KAMENSKIY, G.N., redaktor; KISELEVA, A.A., tekhnicheskiy redaktor

[General hydrogeology] Obshchaia gidrogeologiia. Izd. 2-e, ispr. i dop. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geologii i okhrane nedr, 1955. 382 p. [Microfilm] (MLRA 8:3)
(Water, Underground)

15-57-1-1005

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 1, p 159 (USSR)

AUTHOR: Ovchinnikov, A. M.

TITLE: The Role of Soviet Geologists in Developing the Study of Mineralized Water (O roli otechestvennykh geologov v razvitii ucheniya o mineral'nykh vodakh)

PERIODICAL: V sb: Vopr. izucheniya kurort. resursov SSSR. Moscow, Medgiz, 1955, pp 13-26.

ABSTRACT: The results of geological-hydrogeological investigations in different parts of the country form the groundwork for developing a study of mineral-water deposits. It is noted that this study is distinguished fundamentally from foreign presentations on mineral springs. The author discusses the role of Soviet geologists in developing the study of mineral waters. A. B. A.

Card 1/1

OVCHINNIKOV, A.M.

Mineral waters of Karlovy Vary in Czechoslovakia. Vop.kur., fizioter. i lech.fiz.kul't. no.4:66-71 O-D '55. (MLR 12:12)

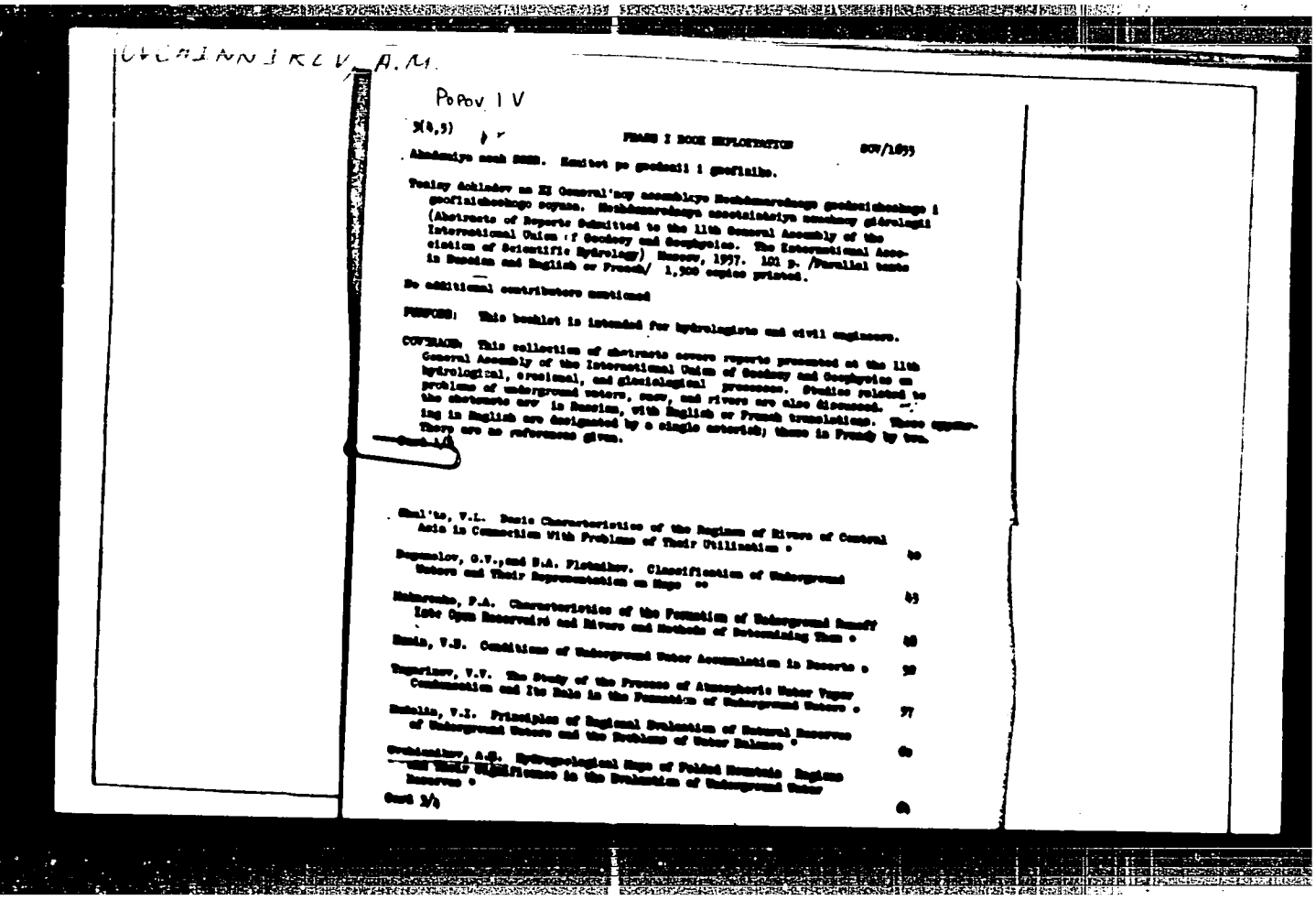
1. Iz TSentral'nogo instituta kurortologii (dir. - kand.med.nauk G.N. Pospelova).
(MINERAL WATER,
Karlovy Vary, Czech.)

OVCHINNIKOV, A.M.

Hydrogeological mapping in general geological exploratory and prospecting work. Sov.geol. no.42:116-127 '55. (MLRA 8:6)
(Geology--Maps)

BUNEYEV, Aleksandr Nikolayevich; OVCHINNIKOV, A.M., redaktor; YEVDOKIMOVA, Z.N., tekhnicheskiy redaktor

[Principles of the hydrogeochemistry of mineral waters in sedimentary deposits] Osnovy gidrogeokhimii mineral'nykh vod osadochnykh otlozhenii. Moskva, Gos.izd-vo med. lit-ry, 1956. 225 p. (Geochemistry) (Mineral waters) (MLRA 9:3)



UKRAINNIKOV, A.M.

Popov I V

5(4,5) PHASE I BOOK EXPLOITATION SOV/1893

Abstrakty soob SSSR. Komitet po geodezii i geofizike.

Tezisy dokladov na XI General'noy assamblyye Mezhdunarodnogo geodezicheskogo i geofizicheskogo soyuza. Mezhdunarodnaya assotsiatsiya nauchnoy gidrologii (Abstracts of Reports Submitted to the 11th General Assembly of the International Union of Geodesy and Geophysics. The International Association of Scientific Hydrology) Moscow, 1957. 101 p. /Parallel texts in Russian and English or French/ 1,500 copies printed.

No additional contributors mentioned

PURPOSE: This booklet is intended for hydrologists and civil engineers.

COVERAGE: This collection of abstracts covers reports presented at the 11th General Assembly of the International Union of Geodesy and Geophysics on hydrological, erosional, and glaciological processes. Studies related to problems of underground waters, seas, and rivers are also discussed. The abstracts are in Russian, with English or French translations. Those appearing in English are designated by a single asterisk; those in French by two. There are no references given.

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Card 2/4

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

OVCHINNIKOV, A.M.

AUTHOR: Ovchinnikov, A.M. 5-5-5/6

TITLE: Hydrogeologic Conditions of Hydrothermal Processes (Gidrogeologicheskiye usloviya gidrotermal'nykh protsessov)

PERIODICAL: Byulleten' Moskovskogo Obshchestva Ispytateley Prirody, Otdel Geologicheskiy, 1957, No 5, pp 126-142 (USSR)

ABSTRACT: The author develops a conception that the formation of hydrothermal deposits is determined to a considerable degree by the hydrogeological regime which existed in the intrusion zones. He comes to the following conclusions:
1. Hydrothermal processes which give rise to mineral deposits proceed under complicated hydrogeological conditions, in pressure-water systems of the artesian type, under conditions of metamorphism of the rocks during intrusions of magmatic masses. Hydrotherms represent ascending ionic-molecular solutions saturated with carbon dioxide. The study of these processes calls for the application of the method of paleohydrogeological analysis.
2. Judging from the hydrogeological point of view, hydrothermal processes are possible provided that certain conditions exist:
a. The presence of a water-pressure system with the pressure

Card 1/3

position of metals and in the formations of sulfide ore deposits is considerable.

6. Many hydrothermal deposits whose origin is supposed to be sedimentary, represent actually former water-bearing horizons of deep artesian basins. It is more correct to call them deposits of the "sedimentation-hydrogeological" type or hydrogenetic deposits following the term used by V.I. Vernadskiy.

The article contains 3 photos, 1 figure, 2 graphs, 1 map, 2 tables and 14 references, 10 of which are Russian and 4 are in English.

AVAILABLE: Library of Congress

Card 3/3

OVCHINNIKOV, A. M. (Dr., Prof.)

"Opiniones contemporales de origine aquarum mineralium respectu earum usus habito." paper submitted for the Intl. Balneological Congress, Czechoslovakia, 8-13 Sept 1958.

OVCHINNIKOV, A.M.

Principles in the study of the formation of underground waters. Izv. vys. ucheb. zav.; geol. i razv. no.1:61-70 Ja '58. (MIRA 11:6)

1. Moskovskiy geologo-razvedochnyy institut im. S. Ordzhonikidze, kafedra gidrogeologii.

(Water, Underground)

OVCHINNIKOV, A.M.; IVANOV, V.V.; YAROTSKIY, L.A.

Origin of carbonated mineral waters. Sov. geol. 1 no.1:145-149 Ja '58. (MIRA 11:4)

1. Moskovskiy geologorazvedochnyy institut im. S. Ordzhonikidze i TSentral'nyy nauchno-issledovatel'skiy institut kurortologii.
(Mineral waters) (Carbon dioxide)

OVCHINNIKOV, A. M.

24(8) PHASE I BOOK EXPLOITATION SOV/2768

Vsesoyuznoye soveshchaniye po geotermicheskim issledovaniyam. 1st, 1956.

Problemy geotermii i prakticheskogo ispol'zovaniya tepla zemli; trudy, t.1. (Geothermal Problems and the Practical Utilization of Terrestrial Heat; Transactions of the 1st All-Union Conference on Geothermal Investigations, Vol. 1) Moscow, Izd-vo AN SSSR, 1959. 254 p. Errata slip inserted. 1,300 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Otdeleniye geologo-geograficheskikh nauk.

Ed. of Publishing House: L. V. Gessen; Tech. Ed.: I. N. Guseva; Editorial Board: V. I. Vlodavets (Chairman), L. D. Dergunov (Deceased), V. V. Ivanov, F. A. Makarenko, and N. I. Khitarov.

PURPOSE: This book is intended for geologists, hydrogeologists, and geophysicists in general and petroleum and coal geologists in particular.

COVERAGE: This volume, one of two published on the subject, is a collection of 22 articles based on reports presented at the First All-Union Conference on Geothermal Studies held in March, 1956. The Conference was sponsored and organized by the Laboratory of Volcanology, the Laboratory of Hydro- geological Problems im. F. P. Savarinskiy, the Institute of Geochemistry and Analytical Chemistry, the Geophysical Institute, and was attended by representatives of more than 60 research organizations. The material presented in this volume may be divided into three general categories: (1) general geothermal problems of the Earth (2) current status and methods of geothermal research (3) regional geothermal problems. References accompany each article.

1/

KAMENSKIY, Grigoriy Nikolayevich [deceased]; TOLSTIKHINA, Matil'da Moiseyevna; TOLSTIKHIN, Nestor Ivanovich; MAKSIMOVICH, G.A., prof., retsenzent; SHAGOYANETS, A.M., prof., retsenzent; OVCHINNIKOV, A.M., prof., nauchnyy red.; FILIPPOVA, B.S., red.izd-va; GUROVA, O.A., tekhn.red.

[Hydrogeology of the U.S.S.R.] Gidrogeologiia SSSR. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr, 1959. 365 p. (MIRA 13:2)
(Water, Underground)

GARMONOV, I.V.; MAKARENKO, F.A.; OVCHINNIKOV, A.M.

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