

KITNYV, V.

Following the example of Kolomna Locomotive Plant workers.  
MTO no.9:22 8 '59. (MIRA 13:1)

1. Glavnyy inshener Sverdlovskogo podshipnikovogo zavoda.  
(Sverdlovsk--Bearing industry)

JELEN, P.; KITHIEROVA, E.; PALOUNKOVA, E.; BOKOS, J., M.D.

The morphogenesis of developmental malformations of the central nervous system. Cesk. morf. 12 no.4:430-442 '64.

1. Research Institute of Natural Medicine, Kocarevice and Department of Pathology, District Institute of National Health Kolin.

KAKHNIASHVILI, A.I.; OLONTI, G.Sh.; BAGRATISHVILI, G.D.; KITIASHVILI, D.G.;  
ABKHAZAVA, I.I.

Structure of the condensation products of o- and m-cresols with  
some substituted vinyl carbinols in the presence of phosphoric  
acid. Soob. AN Grus. SSR 36 no.3:565-572 D '64.

(MIRA 18:3)

1. Tbilisakiy gosudarstvennyy universitet. Submitted April 15, 1964.

~~KITIC~~, Dobrila; MILINKOVIC, Milinko

Laboratory control of our BCG vaccine. Glasn. hig. inst., Beogr.  
4 no.3-4:49-52 July-Dec 1955.

(BCG VACCINATION,  
in Yugosl., laboratory control (Ser))

DOLENKO, O.N. [Dolenko, H.N.]; KITIK, V.I. [Kityk, V.I.]

Some remarks concerning the origin of oil pools in the Ukraine.  
Pratsi Inst. geol. kor. kop. AN URSR 4331-37 '61. (MIRA 16:7)

(Ukraine--Petroleum geology)

KITIK, V.I. [Kityk, V.I.]

Some problems of kinematic processes of salt tectonics. Pratsi  
Inst. geol. kor. kop. AN URSS 4:83-111 '61. (MIRA 16:7)

(Salt deposits)

KITIKAR', F. M., Candidate Med Sci (diss) -- "The problem of the effectiveness of hemotherapy in pneumonia of young children". Kishinev, 1959. 14 pp (Min Health Moldavian SSR, Kishinev State Med Inst, Chair of Children's Diseases), 250 copies (KL, No 24, 1959, 150)

KITIKAR', P.M.; CHERTOVA, Ye.I.; AYZENBERG, L.M.

Pneumonia in infants; based on data of the First Pediatric  
Clinical Hospital in Kishinev. Zdravookhranenie 5 no.3:17-19  
My-Je '62. (MIRA 16:1)

1. Is kafedry detskikh bolesney (ispolnyayushchiy obyasannosti  
sveduyushchego - kand.med.nauk P.M.Kitikar') Kishinevskogo  
meditsinskogo instituta i I Detskoy klinicheskoy bol'nitsy  
(glavnyy vrach K.S.Lokhvinskaya).

(PNEUMONIA) (INFANTS--DISEASES)



KITILLOV, V. D.

849) 001/001

International Conference on the Physical Basis of Ionospheric Scattering, St. George, 1978  
including available abstracts, Institute of Space and Astronautical Sciences (NASDA) Report, Tsukuba, 1978. 58 p. (Science For Study, Vol. 12)  
Many copies printed.

Kitilov, V. D., and V. D. Kitilov, *Amplitude Scattering of Radio Waves from the Ionosphere*, Moscow, 1978. 100 p. (Radio i Svyaz, No. 12).  
Kitilov, V. D., and V. D. Kitilov, *Amplitude Scattering of Radio Waves from the Ionosphere*, Moscow, 1978. 100 p. (Radio i Svyaz, No. 12).

This collection of articles is intended for specialists working in the field of ionospheric scattering. The volume contains 12 papers presented at the International Conference on the Physical Basis of Ionospheric Scattering, held in St. George in September 1978.

It is divided into two parts. Part I contains 12 papers dealing with the physical basis of ionospheric scattering, and Part II contains 12 papers on ionospheric scattering from the point of view of practical applications. The first part is devoted to the physical basis of ionospheric scattering, and the second part is devoted to the practical applications of ionospheric scattering.

Part I deals with the physical basis of ionospheric scattering. The first part of this part is devoted to the physical basis of ionospheric scattering, and the second part is devoted to the practical applications of ionospheric scattering.

Part II deals with the practical applications of ionospheric scattering. The first part of this part is devoted to the practical applications of ionospheric scattering, and the second part is devoted to the practical applications of ionospheric scattering.

Part III deals with the practical applications of ionospheric scattering. The first part of this part is devoted to the practical applications of ionospheric scattering, and the second part is devoted to the practical applications of ionospheric scattering.

Part IV deals with the practical applications of ionospheric scattering. The first part of this part is devoted to the practical applications of ionospheric scattering, and the second part is devoted to the practical applications of ionospheric scattering.

Report of Soviet Scientists (Book) 001/001

Kitilov, V. D., and V. D. Kitilov, *Amplitude Scattering of Radio Waves from the Ionosphere*, Moscow, 1978. 100 p. (Radio i Svyaz, No. 12).

Kitilov, V. D., and V. D. Kitilov, *Amplitude Scattering of Radio Waves from the Ionosphere*, Moscow, 1978. 100 p. (Radio i Svyaz, No. 12).

Kitilov, V. D., and V. D. Kitilov, *Amplitude Scattering of Radio Waves from the Ionosphere*, Moscow, 1978. 100 p. (Radio i Svyaz, No. 12).

Kitilov, V. D., and V. D. Kitilov, *Amplitude Scattering of Radio Waves from the Ionosphere*, Moscow, 1978. 100 p. (Radio i Svyaz, No. 12).

Kitilov, V. D., and V. D. Kitilov, *Amplitude Scattering of Radio Waves from the Ionosphere*, Moscow, 1978. 100 p. (Radio i Svyaz, No. 12).

KITINSKI, R.

Tests and researches on the prototypes of new devices for servicing and repairing automobiles. p. IX

(MOTORYZACJA Vol. 12, No. 5, May 1957, Warsaw, Poland)

SO: Monthly List of East European Accessions (EFAL) 18, Vol. 6, No. 9, Sept. 1957, Uncl.

KITIROV, A.

"New methods of fertilizing plants" (p.77) PRIRODA  
(Bulgarska Akademia Na Naukite) Sofiya Vol 2 No 5 Sept/Oct 1953

SO: East European Accessions List Vol 2 No 8 Aug1954

BULGARIA/Soil Science, Mineral Fertilizers

J-5

Abs Jour : Ref Zhur - Biol., No 20, 1958, No 91450

Author : Lovonson E., Kitipov A.  
Inst : Soil Inst. of the AS Bulgaria  
Title : Experiments with Phosphates.

Orig Pub : Izv. Pochv. in-t D"lg. AN, 1957, 421-446

Abstract : Vegetative experiments have been made on sand and chernozem soil with perennial lupines, winter vetch, peas and millet to investigate the possible utilization of phosphorites from Western Bulgaria. The results of the experiments and of soil analyses showed that on chernozem soil the perennial lupines and the winter vetch will assimilate phosphorus from the local  $P_{ph}$ , the ability of lupine to assimilate being higher than that of vetch and peas. The speed of growth of the vegetative mass was considerably higher for vetch than for lupine.

Card : 1/2

ATANASOV, An.; DEHINOV, Al.; KITIPOV, Ant.; LEVENSON, Evg.; MILCHEV, M.;  
NIKOLOV, S.

Tests in fertilising the eroded forest maroon soils.  
Isv Inst "Nikola Pashkarov" no.5:101-124 '62.

KITKOVA, I.

Central testing panel in the laboratory of the Stefan Kiradzhiev  
Thermoelectric-Power Plant. p. 29.

Spravochnik po tsvetni metali i splavi. Sofia, Bulgaria. Vol. 10,  
no. 7, July 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 9, No. 2,  
February, 1960, Uncl.

KITIS, B.V.

Rare case of severe penicillin idiosyncrasy. Sov.med. 22 no.11  
151-152 N'58 (MIRA 11:11)  
(PENICILLIN--TOXICITY)





KITITSIN, Ye. N., Cand of Agric Sci -- (diss) "Toxicity of sugar beet sprouts as a method for controlling sugar beet pests." Moscow, 1957, 16 pp (Moscow Agricultural Academy im K. A. Timiryazev), 110 copies (KL, 37-57, 103)

*KITITSYN Ye. N.*

USSR / General and Special Zoology. Insects. P

Abs Jour: Ref. Zhur-Biol., No 4, 1958, 16485

Author : Kititsyn E.N.

Inst : Institute of Entomology and Phytopathology of the Academy of Sciences of the Ukrainian Soviet Socialist Republic.

Title : To the Problem of Increasing the Effectiveness of the Treatment with Hexachlorane of Beet-sugar Seeds prior to Planting. (Kvoprosu o povyshenii effektivnosti predposevnoi obrabotki semyan sakharnoi svekly heksakloranom).

Orig Pub: Nauch. tr. In-ta entomol, i fitopatol., An UkSSR, 1956, 7, 68-82

Abstract: The effectiveness of the treatment of beet seeds with HCCH [hexachlorane] depended on the Y-isomer content. The optimum dose of the latter in plot and field experiments was 300 g/centner when

Card

44

USSR / General and Special Zoology. Insects.

"APPROVED FOR RELEASE: 09/17/2001" CIA-RDP86-00513R000722920009-0

Abs Jour: Ref Zhur-Biol., No 4, 1958, 16485

Abstract: tion eliminated the harmful effect of HCCH on young sprouts and stimulated the growth and development of the beets.

Card 3/3

45

MYAGCHENKOV, V.A.; IUZNETSOV, Ye.V.; KITKEVICH, V.Ya.

Concentration effect in the degradation of a series of polymers in dimethylformamide. Vysokom.soed. 6 no.8:1366-1370 Ag '64.

(MIRA 17:10)

1. Kazanskiy khimiko-tekhnologicheskiy institut imeni S.M.Kirova.

KITKIN, P. A.

"Wind Fluctuations of the Level of Landlocked River Basins of Small Water Volume"  
(Works of the GOIN, No 2 (14), 1947)

SO: U-2392, 22 Sep 52

KITKIN, P. A.

21506

KITKIN, P. A.

Poperechnaya tsirkulyatsiya v vetrovom techenii i trubina  
peremeshivaniya v ustoychivo stratifitsirovannom more.  
Trudy Gos. Okeanorg. in--ta, Vyp. 11, 1949, s. 37 - 42.  
Bibliogr: 5, NAZV.

SO: Letopis' Zhurnal'nykh Statoy, No. 29, Moskva, 1949

KITKIN, P. A.

21507

KITKIN, P. A.

Ustanovivshiesya vetrovaya techeniya v ustoychivo  
stratifikirovannom more.

Trudy Gos. Okeanogr. in-ta, Vyp. 11, 1949, s. 53 - 60.

SO: Letopis' Zhurnal'nykh Statey, No. 29, Moskva, 1949

KITKIN, P. A.

Kitkin, P. A. On the profile of the free surface and of the surfaces of separation, in a sea of variable density. *Izvestiya Akad. Nauk SSSR. Ser. Geofiz.* 1953, 526-545 (1953). (Russian)

L'auteur étudie la variation de la surface libre de la mer en supposant deux surfaces de discontinuité de densité. Ce cas correspond au cas réel: en été et en automne on observe dans la mer deux couches homogènes séparées par une couche de densité différente. L'auteur calcule les échanges des quantités de mouvement dans les deux directions horizontale et verticale, par suite de la turbulence et de l'introduction de la force de Coriolis. L'auteur étudie ensuite l'influence du vent non uniforme ainsi que les oscillations d'inertie. L'auteur applique la théorie à quelques exemples numériques. *M. Kisilovitch (Paris).*

KITKIN, P. A.

Kitkin, P. A. On the circulation generated by the wind in a sea of variable density. *Izvestiya Akad. Nauk SSSR, Ser. Geofiz.* 1953, 252-251 (1953). (Russian)

L'auteur étudie l'influence du vent sur un liquide à densité croissante qui remplit un bassin de forme circulaire. Pour résoudre le problème l'auteur utilise les équations linéarisées du mouvement, en supposant que la composante verticale de l'accélération est nulle. L'auteur forme l'équation d'incompressibilité en supposant qu'en chaque point donné la densité varie seulement par suite du déplacement du liquide à densité variable, tandis que la particule liquide reste invariable. On suppose en outre que la densité peut être représentée sous la forme  $\rho(r, z, t) = \rho_0(z) + \rho_1(r, z, t)$  où  $\rho_0$  est la valeur de la densité au repos et  $\rho_1$  est une quantité supplémentaire fonction du rayon, de l'altitude et du temps, et peut être représentée sous la forme:  $\rho_1 = h(r, t)e^{z/\sigma}$ . D'après l'auteur ces hypothèses s'accordent assez bien avec les modèles théoriques des perturbations atmosphériques de N. E. Kotchine [voir *Trudy Glavn. Geofiz. Observ.* 4, 21-45 (1935)].

L'auteur commence à résoudre le cas simple d'un mouvement permanent d'un liquide composé de deux couches: l'une supérieure à densité constante et une autre inférieure à densité croissante avec la profondeur. En introduisant les conditions aux limites et en décomposant les fonctions inconnues: vitesse du courant, l'élévation de la surface libre et l'intensité tangentielle du vent, en séries suivant les fonctions de Bessel, on obtient une solution générale du problème. L'auteur applique ces résultats à un exemple

*Marine Hydrophysics Inst., AS USSR*

Mathematical Reviews  
Vol. 15 No. 4  
Apr. 1954  
Mechanics



numérique pour un système des vents cycloniques. Par une méthode analogue, l'auteur étudie le cas d'un mouvement non permanent et applique le résultat au même exemple numérique.

*M. Kholodovitch (Paris)*

KITKIN, P. A.

Mathematical Reviews  
Vol. 15 No. 4  
Apr. 1954  
Mechanics

①  
Kitkin, P. A. Increase of the amplitude of tides in the depths of closed seas. Doklady Akad. Nauk SSSR (N.S.) 91, 237-240 (1953). (Russian) .

L'auteur étudie les particularités du mouvement d'un fluide à densité variable dans un bassin cylindrique tournant sous l'influence d'une force massique radiale ( $f$ ), qui varie avec le temps suivant une loi harmonique. L'auteur montre qu'il est possible de déterminer les composantes de la vitesse, la pression et la densité, si l'on connaît d'avance  $E = -(1/\rho_0)(d\rho_0/ds)$ , où  $\rho_0(s)$  est la valeur statique de la densité, et  $s$  est l'altitude. En posant  $E = \epsilon s^2$  on en déduit que l'amplitude des oscillations verticales augmente sous l'influence de la force  $f$  dans l'épaisseur de l'eau à densité croissante. On constate, en outre, la formation d'une circulation horizontale, qui compense les grands déplacements verticaux que l'on observe dans les profondeurs intermédiaires.

*M. Kiselevitch (Paris).*

KITKIN, P. A.

USSR/Geophysics - Water Currents 21 Aug 53

"The Action of Wind on a Layer of Water in a Small Enclosed Basin," P. A. Kitkin, Marine Hydrophysics Inst, Acad Sci USSR

DAN SSSR, Vol 91, No 6, pp 1325-1328

Studies the development of water's motion in a closed basin whose depth arbitrarily varies from maximum value  $H_0$  in the center to zero near the shores. Accounts for the turbulent exchange of motion in force of the Earth's rotation. Presented by Acad V. V. Shuleykin 27 Jun 53.

27563

KITKIN, P. A.

USSR/Geophysics - Dynamics, Sea

11 Sep 53

"Dynamics of Sea and Ocean Currents," P. A. Kitkin,  
Marine Hydrophysic Inst, Acad Sci USSR

DAN SSSR, Vol 92, No 2, pp 293-296

Derives system of eqs of sea dynamics by relating  
velocity vector to volume of liquid. Finds that  
intensity of pulse motion characterizes turbulent  
exchange of momentum. Presented by Acad S. V.  
Shuleykin 15 Jul 53.

269763

*KITAIN, S. T.*

USSR/Solid State Physics - Diffusion, Sintering, E-6

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 34753

Author: Bokshteyn, S. Z., Gudkova, T. I., Kitkin, S. T., Moroz, L. M.

Institution: None

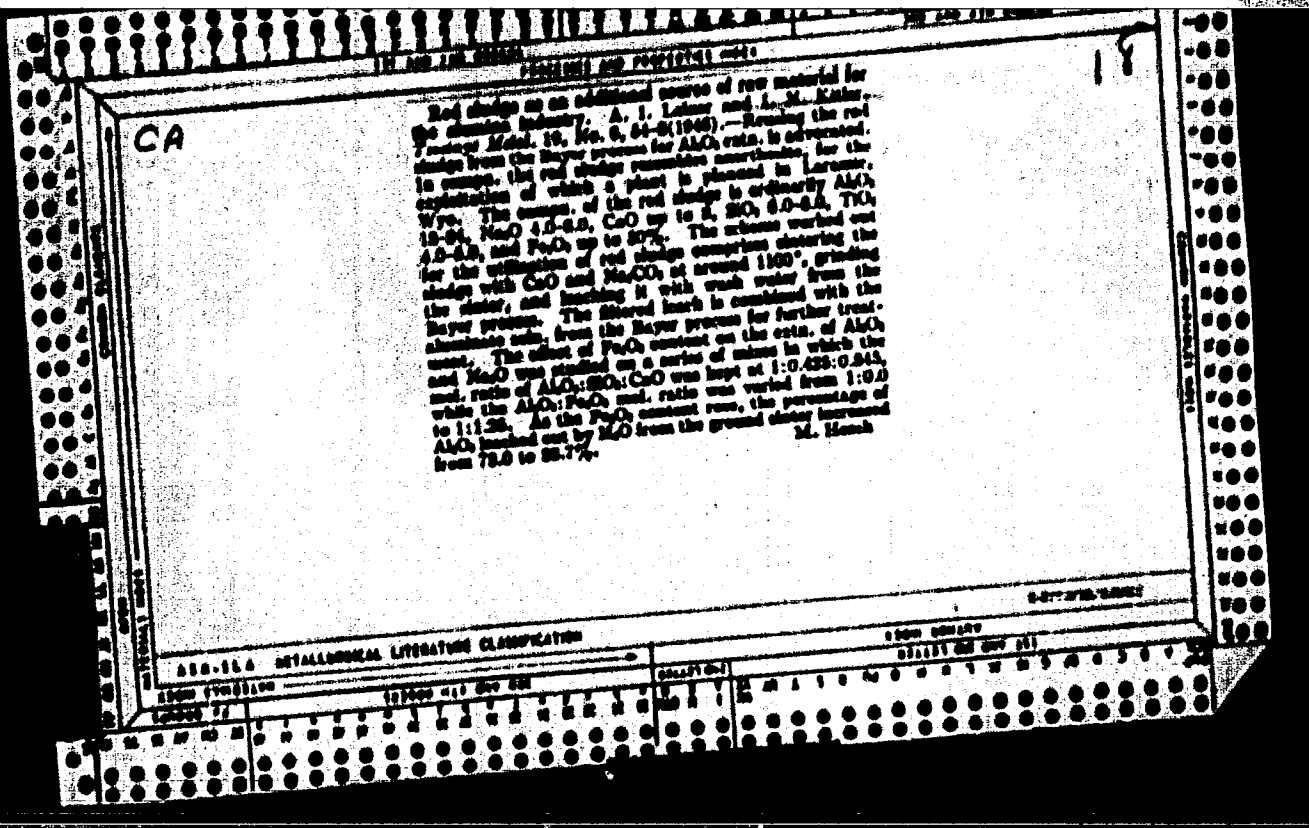
Title: Study of Uniformity of Alloys and Mobility on the Grain Boundaries Using  
Radioactive Isotopes

Original Periodical: Zavod. Laboratoriya, 1955, 21, No 4, 423-432

Abstract: None

1 of 1

- 1 -



*Kitler, I. N.*

137-1958-1-133

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 1, p 20 (USSR)

**AUTHORS:** Kitler, I. N., Chizhikov, D. M., Kovyakina, N. A.

**TITLE:** Pelletizing of Fusion Mixtures of Nepheline as a Method of Preparing Them for Sintering in a Boiling Layer (Granulyatsiya nefelinovykh shikht kak metod podgotovki ikh k spekaniyu v kipyashchem sloye)

**PERIODICAL:** Tr. Instituta metallurgii, AN SSSR, 1957, Nr 2, pp 20-36

**ABSTRACT:** Experiments in pelletizing (P) were run with two mixtures, comprising Uzhur or Kola nepheline concentrates and limestone of the Pikalevsk quarry. P was performed in equipment consisting of a stationary, flat-bottomed metal bowl, heated from beneath and equipped with a device for mechanical raking of the charge. Results in P without heating showed that in order to obtain pellets of optimum size (1-3 mm), the initial moisture content of the fusion mixture should be 16.5 percent. An increase in moisture content results in larger lumps. The optimum duration of the P process is 15 min. An increase to 30 min results in mechanical breakdown to smaller sizes of the pellets initially formed. The same result follows from an increase in

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137-1958-1-133

**Pelletizing of Fusion Mixtures of Nepheline (cont.)**

the stirrer rpm (> 45 rpm). The mechanical strength of the air-dried pellets also depends upon the degree to which the mixture is moistened on P, the maximum strength corresponding to the optimum moisture level. Heating of the pellets to 500° brings virtually no change in their strength. A considerable increase in the mechanical strength of the pellets occurs at 700-1100°. This is explained by the fact that along with the dissociation of the carbonate, there is a chemical reaction between the components of the mixtures to form compounds such as sodium and calcium aluminates, etc. Experiments in P with heating show that employment of heating and mechanical agitation makes possible P of material having an initial moisture content of up to 40 percent, which is brought down to approximately 10 percent in the process regardless of its initial level.

A. Sh.

1. Sintering 2. Pellets--Production

Card 2/2





CHIZHIKOV, D.M., ~~KITLER, I.N.~~; KOVYAKINA, N.A.

Experimental studies on the granulation of nepheline burdens  
and their sintering in a "fluidised bed." Trudy Vost.-Sib. fil.  
AN SSSR no.13:144-159 '58. (MIRA 12:12)

1. Institut metallurgii im. A.A. Baykova AN SSSR.  
(Nephelite) (Sintering)

KITLER, I.N.

Technological conference on improving the procedure for the  
production of alumina. Izv. vys. ucheb. zav.; tsvet. met. 4  
no.3:155-158 '61. (MIRA 15:1)  
(Alumina--Congresses)

KITLER, Igor' Nikolayevich; LAYNER, Yuriy Abramovich; MALYSHEV,  
M.F., kand. tekhn. nauk, retsenzent; BELYAYEV, A.I., red.;  
KL'KIND, L.M., red.isd-va; KARASEV, A.I., tekhn. red.

[Nepheline rocks are complex raw materials for the aluminum  
industry] Nefeliny - kompleksnoe syr'e aluminiovoi promysh-  
lennosti. Moskva, Metallurgizdat, 1962. 236 p. (MIRA 15:8)

1. Chlen-korrespondent Akademii nauk SSSR (for Belyayev).  
(Nepheline)

CHIZHIKOV, David Mikhaylovich; GULYANITSKAYA, Zoya Feodos'yevna;  
GUROVICH, Natal'ya Aleksandrovna; KITLER, Igor' Nikolayevich;  
KREYNGAUZ, Bella Pavlovna; NOVOSELOVA, Valentina Nikolayevna;  
PLIGINSKAYA, Lyubov' Vladimirovna; USTINOVSKIY, Boris  
Zinov'yevich; KLIMOV, V.A., red. izd-va; LAUT, V.G., tekhn. red.

[Hydro- and electrometallurgy of sulfide alloys and mattes]  
Gidroelektrometallurgiya sul'fidnykh splavov i shtainov. Mo-  
skva, Izd-vo Akad. nauk SSSR, 1962. 204 p. (MIRA 15:9)

1. Chlen-korrespondent Akademii nauk SSSR (for Chizhikov).  
(Sulfides--Metallurgy) (Hydrometallurgy)  
(Electrometallurgy)

KITLER, I.N.

"Production of alumina (from materials of a readers' conference)."  
by A.I.Lainer. Reviewed by I.N.Kitler. *Izv. vys. ucheb. zav.; teyzt.*  
*met.* 5 no.5:169-170 '62. (MIRA 15:10)  
(Alumina) (Lainer, A.I.)

CHIZHIKOV, D.M. (Moskva); KITLER, I.N. (Moskva); SHARKOV, A.I. (Moskva)

Reduction of sodium ferrite by solid carbon. Izv. AN SSSR. Otd.  
tekh. nauk. Mat. i gor. delo no.3:83-88 My-Je '63. (MIRA 16:7)  
(Sodium ferrate) (Oxidation-reduction reaction)

CHIZHIKOV, D.M.; KITLER, I.N.; LAYNER, Yu.A.

Crystallisation of aluminates from solutions with a high  
caustic relation, Trudy Inst. met. no.12:59-65 '63.  
(MIRA 16:6)

(Aluminates) (Crystallisation)



CHIZHIKOV, D.M.; KITLER, I.N.; KARYAZINA, I.W.

Kinetics of dissociation and reduction of sodium ferrite,  
Trudy Inst. met. no.12:66-71 '63. (MIRA 16:6)

(Sodium ferrate)

CHIZHIKOV, D.M.; KITLER, I.N.; SHARKOV, A.I.

Carbonisation of alkali during sodium ferrite reduction  
by carbon monoxide. Dokl. AN SSSR 154 no.4:936-939 F '64.  
(MIRA 17:3)

1. Institut metallurgii im. A.A. Baykova. 2. Chlen-korres-  
pondent AN SSSR (for Chizhikov).

CHIZHIKOV, D.M. (Moskva); SHARKOV, A.I. (Moskva); KITLER, I.N. (Moskva)

Interaction during the sintering of aluminum oxide and soda in  
the presence of reducing agents. Izv. AN SSSR. Met. i gor. delo  
no.1:51-57 Ja-F '64. (MIRA 17:4)

SHAROV, A.I. (Moskva); KITLER, I.N. (Moskva); BLOKHINA, L.I. (Moskva)

Reduction of sodium oxide by graphite. Izv. AN SSSR. Met. i gor. delo  
no.5:79-83 8-0 '64. (MIRA 18:1)

L 8939-66 EWT(1)/EWT(a)/EWA(d)/EWE(t)/EWP(b) LP(a) JN  
ACC NR: AP5026855 SOURCE CODE: UR/0170/65/009/004/0527/0532

AUTHOR: Kessel'man, P. M.; Kitlyarevskiy, P. A.; Afanas'yev, M. M. 46  
44, 55 44, 55 44, 55 Q3

ORG: Industrial Institute im. M. V. Lomonosov, Odessa (Tekhnologicheskiy institut)  
44, 55

TITLE: The equation of state for carbon dioxide<sup>2</sup> in the temperature interval from 273 to 400 K and at pressures up to  $1000 \times 10^5$  newtons/m<sup>2</sup>

SOURCE: Inzhenerno-fizicheskiy zhurnal, v. 9, no. 4, 1965, 527-532

TOPIC TAGS: thermodynamic state equation, carbon dioxide, virial coefficient  
21, 44, 55

ABSTRACT: The authors attempt to correlate all existing experimental material and to set up an equation of state which reflects the experimental thermal and calorific data on carbon dioxide with a high degree of accuracy. For temperatures from 273 to 800 K and pressures from 1 to  $1000 \times 10^5$  newtons/m<sup>2</sup>, the equation consists of elementary functions of the form:

$$\frac{P_0}{RT_0} = a_1(\theta) + a_2(\theta)\tau + \beta(\theta)\psi + \gamma(\theta)\psi^2 + \delta(\theta)\psi^3 + \lambda(\theta)\psi^4. \quad (1)$$

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UDC: 638.71

L 8939-66

ACC NR. AP5026855

The elementary functions  $\alpha_0, \alpha_2, \beta, \dots$  have the form

$$A(\omega) = \sum a_i \omega^i, \quad \psi = \sum b_i \frac{1}{\omega^i}$$

Values of the coefficients in this equation are given in a table. Analysis shows that, starting with  $T=770$  K, at  $P=(1-600) \times 10^5$  newtons/m<sup>2</sup>, two virial coefficients,  $B(T)$  and  $C(T)$  are sufficient to set up the equation of state. The virial coefficients are determined from existing experimental data. For the region of parameters  $T=770$  to  $4000$  K and  $P=(1-600) \times 10^5$  newtons/m<sup>2</sup>, the equation of state was set up in the virial form:

$$\frac{P_0}{RT_0} = \tau + A_1(\tau) \omega + A_2(\tau) \omega^2 \tag{2}$$

where  $A_1 = B_2 \tau$ ;  $A_2 = C_2 \tau^2$ . The coefficients  $A_1$  and  $A_2$  were determined analytically. Results of computer calculations according to Equations 1 and 2 are shown to agree well with existing experimental data. Orig. art. has 2 formulas, 3 figures, and 1 table

SUB CODE: TD, GC/ SUBM DATA: 05Apr65/ ORIG REF: 008/ OTH REF: 012

CC  
Card 2/2

KITYK, V.I. [Kityk, V.I.]

Outlook for petroleum in Cretaceous sediments of the southeastern  
Black Sea region. Pratsi Inst. geol. kor. kop. AN URSR 2:89-99 '60.  
(MIRA 14:5)

(Black Sea region—Petroleum geology)

KITIPOV, O.

Doctor Georgi Konstantinov Khakanov. The 1st surgical operation in  
Kasanluk - 1875 (On the 110th anniversary of his birthday).  
Khirurgia, Sofia 14 no.9:848-852 '61.

(BIOGRAPHIES) (SURGERY history)



KITIYA, T. D., KORDZAKHIYA, T. P., KUNCHULIYA, V. G., PRUIDZE, T. V., TSULEYSKIRI, O. V.,  
PICHKHAYA, T. P., ASATIANI, V. S., ANASHVILI, A. Ts., AGEYEVA, A. K., KEKELIDZE, O. V.,  
(USSR).

The Effect of the Mountainous Climate on Biochemical Aspects of Human Blood.

report presented at the 5th Int'l.  
Biochemistry Congress, Moscow, 10-16 Aug. 1961.

... ..

The increase of the period between regeneration  
... ..  
... ..

011

KITMAKHER, I.S.

Corrosion resistant coating for metal vessels. Spirt. prom. 24  
no. 4:28 '58. (MIRA 11:7)

(Protective coatings)  
(Propane)

KITMAKHER, I.S.

Anticorrosive coating of metallic vessels for liquid foodstuffs.  
Spart.prom. 27 no.144-45 '61. (MIRA 14:2)  
(Veronesh—Liquor industry)  
(Protective coatings)

KITNAR, E.; VLASAK, Z.; WEBERSCHINKE, J.

Demonstration of specific antibodies against *Treponema pallidum* in an animal test. *J. hyg. epidem., Praha* 5 no.2:241-247 '61.

1. Institute of Sera and Vaccines, Prague Military Institute of Hygiene, Epidemiology and Microbiology, Prague.

(TREPONEMAL INFECTIONS immunol)

L 46259-66 EST(a)/T/ENT(1) LJP(o) WM/RM/JWD  
ACC NR: AP6030603 (A,N) SOURCE CODE: UR/0413/66/000/016/0092/0092

INVENTOR: Golubeva, A. V.; Yaremina, Ye. N.; Sivograkova, K. A.;  
Besborodko, G. L.; KISHAF, I. P.; SHASHINA, V. F.

ORG: none

TITLE: Preparative method for styrene-acrylonitrile copolymers  
Class 39, No. 185055

SOURCE: Isobreteniya, promyshlennyye obrastcy, tovarnyya znaki, no. 16,  
1966, 92

TOPIC TAGS: styrene; acrylonitrile; copolymer; suspension copolymerisa-  
tion; nitrile rubber; impact resistant material

ABSTRACT: An Author Certificate has been issued for a method for  
preparing styrene-acrylonitrile copolymers. To impart impact resistance  
to the plasticized product, the monomers are copolymerized in suspension  
in the presence of 3-10% nitrile rubber. (20)

SUB CODE: 11/ SUBM DATE: 13Apr62/

Card 1/1

UDC: 678.746.22-139

L 01804-67 ENT(m)/ENP(j) IJP(c) RM

2

ACC NR: AP6030604 (AN) SOURCE CODE: UR/0413/66/000/016/0092/0093

3/  
B

INVENTOR: Golubeva, A. V.; Yeremina, Ye. N.; Sivograkova, K. A.;  
Bezborodko, G. M.; Kitner, I. P.; Shishina, V. P.

ORG: none

TITLE: Method of obtaining shock-resistant plasticized rubber. Class 39,  
No. 185058

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 16, 1966,  
02-93

TOPIC TAGS: butadiene styrene rubber, copolymerization. rubber, plasticized  
rubber

ABSTRACT: An Author Certificate has been issued for a method of obtaining a  
shock-resistant plasticized rubber from a styrene copolymer, acrylonitrile, and  
butadieneacrylonitrile rubber by means of suspension copolymerization of the proper  
monomers and rubber. To increase the light stability and heat resistance of  
plasticized rubber, the process is carried out in the presence of butylacrylate  
rubber, which is taken in amounts of 2-5%. [Translation] [NT]

1/1 SUB CODE: 11/ SUBM DATE: 13Apr62/ UDC: 678.746.22-139

KITORAGA, N.F. (Odessa, D-57, Meditsinskiy per., d.2, kv.19)

Hemangioma of the large intestine causing profuse hemorrhage.  
Vest.khir. no.3:125-126 '62. (MIRA 15:3)

1. Iz gospi'tal'noy khirurgicheskoy kliniki (sav. - prof. K.G. Tagibakov) lechelnogo fakul'teta Odesskogo meditsinskogo instituta im. N.I. Pirogova (rektor - prof. I.Ya. Deyneka).  
(INTESTINES—TUMORS) (ANGIOMA) (GASTROINTESTINAL HEMORRHAGE)



KITOSHVILI, Sh., podpolkovnik

March and meeting engagement. Voen. vest. 42 no. 3:115-119  
Mr '63. (MIRA 17:1)

NADJAKOV, G. [Hadzhakov, G.], akad.; BALABANOV, S.; KITOV, A.

Influence of the relief of the support on the work support of  
thin metallic layers. Doklady BAN 17 no.6:545-548 '64.

*Kitov, A.I.*

44-1-9

TRANSLATION FROM: Referativnyi zhurnal, Matematika, 1957, Nr 1, p. 1 (USSR)

AUTHORS: Sobolev, S.L., Kitov, A.I., Lyapunov, A.A.

TITLE: The Principal Features of Cybernetics (Osnovnyye cherty kibernetiki)

PERIODICAL: Vopr. Filosofii, 1955, Nr 4, pp 136-148

ABSTRACT: The article represents the first attempt at a serious study of the scientific content of cybernetics. Cybernetics is defined as a new scientific trend, created by N. Wiener, which is not, however, a sufficiently well-developed and complete scientific discipline. The main divisions of cybernetics, according to the authors, are: (1) information theory; (2) theory of computing machines, as a theory of self-organizing logical processes similar to human thinking; and (3) theory of automatic control systems, which includes the study, from the functional point of view, of the working processes of the nervous system, the sensory organs and other organs of living organisms. Attention is given to the mathematical apparatus of cybernetics, in particular to the study of information, with reference to the work of K. Shannon (collection of translations, "Transmission of Electrical Signals in the Presence of Interference", Moscow, 1953) and A. Ya. Khinchin (Math., 1954, 3771). The necessity of combating foreign reactionary

Card 1/2

KITOV, Anatoliy Ivanovich; ALEXANDROVA, A.A., redaktor; KORUZEV, N.N.,  
tekhnicheskii redaktor

[Electronic calculating machines] Elektronnye tsifrovye mashiny.  
Moskva, Izd-vo "Sovetskoe radio," 1956. 275 p. (MLBA 9:10)  
(Electronic calculating machines)

KITOV, A. I., LYAPUNOV, A. A., YABLONSKIY, S. V. and POLETAYEV, I. A.

"On Cybernetics," Trudy tret'yego Vsesoyuznogo matematicheskogo s'ezda  
Proceedings of the Third All-Union Mathematics Congress, Vol. II. Brief  
outline of survey and sectional papers, Publishing House of the Academy of  
Sciences USSR, Moscow, 1956, Pages 76 - 77.

*Kitov, A.*

TRANSLATION FROM: Referativnyy zhurnal, Matematika, 1957, Nr 1, p 2 (USSR) <sup>44-1-11</sup>  
AUTHOR: - Kitov, A. 1.  
TITLE: Technical Cybernetics (Tekhnicheskaya kibernetika)  
PERIODICAL: Radio, 1955, Nr 11, pp 42-44  
ABSTRACT: Bibliographic entry

*Cond. Tech. Sci.*

Card 1/1

28(2)

PHASE I BOOK EXPLOITATION

SOV/1915

Kitov, Anatoliy Ivanovich, and Nikolay Andreyevich Krinitskiy

Elektronnyye vychislitel'nyye mashiny (Electronic Computers) Moscow, Isd-vo AN SSSR, 1958. 130 p. (Series: Akademiya nauk SSSR. Nauchnopol'yarnaya seriya) Errata slip inserted. 25,000 copies printed.

Resp. Ed.: A.A. Dorodnitsyn, Academician; Ed. of Publishing House: N.B. Prokof'yeva; Tech. Ed.: T.V. Polyakova

**PURPOSE:** The book introduces nonspecialized readers to the field of electronic computers,

**COVERAGE:** The authors discuss the principle of construction and operation of electronic digital computers. They also describe the use of computers in solving various mathematical and logical problems and in automatic control systems. No personalities are mentioned. There are no references.

**TABLE OF CONTENTS:**

Ch. I. Some Information on Cybernetics  
Card 1/3

3

REF ID: A667

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**SOV/1915**

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Some examples of the application of information theory	13
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Card 2/3



28(2)

PHASE I BOOK EXPLOITATION

SOV/1821

Kitov, Anateliy Ivanovich

**Elektronnyye vychislitel'nyye mashiny (Electronic Computers) Moscow, Izd-vo "Znaniye," 1958. 30 p. (Series: Vsesoyuznoye obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znaniy. Seriya VIII, 1958; vyp. II, Nr. 23) 42,000 copies printed.**

**Sponsoring Agency: Vsesoyuznoye obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znaniy.**

**Ed.: T.F. Islankina; Tech. Ed.: Ye.V. Savchenko.**

**PURPOSE:** The book may be useful to technical personnel working with computers.

**COVERAGE:** The author presents a general discussion of electronic analog and digital computers. He also describes the use of computers in management and for automatic control of industrial processes. No personalities are mentioned. There are no references.

Card 1/2

**PHASE I BOOK EXPLOITATION**

SOV/3861

Kitov, Anatoliy Ivanovich, and Nikolay Andreyevich Krinitskiy

**Elektronnyye tsifrovyye mashiny i programmirovaniye (Electronic Digital Computers and Programming)** Moscow, Fizmatgiz, 1959. 572 p. 25,000 copies printed.

Ed.: M.M. Goryachaya; Tech. Ed.: S.S. Gevrilov.

**PURPOSE:** This book is intended for students of universities and higher technical institutes, and also for people working in various fields of science and industry, who can usefully apply new computational and control techniques. The book can also be used as a textbook by potential programmers.

**COVERAGE:** The book discusses the arithmetic, logical, and technical principles underlying electronic digital computers. The book covers in detail the theory and concepts of digital computer programming and gives many examples in the programming of the Soviet computer "Strela." Much information is also given on the programming of the Soviet computers "Ural" and M-3. Although intended as a second edition of the book *Elementy programmirovaniya* by A. Kitov, N.A. Krinitskiy, and P.N. Komolov, published in 1956, additions and revisions make

Card 7/19

## PHASE I BOOK EXPLOITATION

BR  
SOV/5875

Kitov, Anatoly Ivanovich, and Nikolay Andreyevich Krinitskiy

Elektronyye tsifrovyye mashiny i programmirovaniye (Electronic digital computers and programming) 2d ed., unrev. Moscow, Fizmatgiz, 1961. 572 p. 40,000 copies printed.

Ed.: M. M. Goryachaya; Tech. Ed.: S. S. Gavrillov.

**PURPOSE:** The book is approved by the Ministry of Higher and Secondary Specialized Education RSFSR for textbook use by students at universities and schools of higher education. It is also intended for personnel in scientific and industrial fields in which the new computing and control techniques are being put into use, and may serve as a textbook in training programmer cadres.

**COVERAGE:** The arithmetical, logical, and technical fundamentals underlying the construction of high-speed computers are described, and modern programmer training methods are presented in detail and copiously illustrated

Card 1/●

Electronic Digital Computers (Cont.)

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722920009-0

with examples of programming for the Soviet "Strela" computer. The special features of programming for the Soviet "Ural" and "M -3" computers are discussed extensively, and programming examples are given for these machines. In addition, some information and programming examples are given for the "BESM" computer. The book is based partly on materials drawn from A. I. Kotov's book Electronic Digital Computers (Sovetskoye radio, 1956), and on other Soviet and non-Soviet contemporary sources. The introduction, Chs II through IV, and Ch. XI were written by A. I. Kitov, while Ch. I and Chs. V through X are the work of N. A. Krinitskiy. The authors thank Academician S. L. Sobolev and all the personnel of the Department of Computer Mathematics of the Moscow State University imeni Lomonosov; and V. D. Rozenknop, Yu. I. Yanov, V. B. Orlov, and M. M. Goryachaya for their help. There are 46 references: 39 Soviet, 6 English, and 1 German.

Card 2/ 21

BERG, A.I. (Moskva); KITOV, A.I. (Moskva); LYAPUBOV, A.A. (Moskva)

Possibilities of automating the management of the national economy.  
Probl. kib. no.6:83-100 '61. (MIRA 15:1)  
(Economics, Mathematical) (Electronic calculating machines)

S/044/62/000/005/055/072  
C111/0444

**AUTHORS:** Lyapunov, A. A., Kitov, A. I.  
**TITLE:** Cybernetic in technics and economics  
**PERIODICAL:** Referativnyy zhurnal, Matematika, no. 5, 1962, 55-56,  
abstract 5V300. ("Vopr. filosofii," 1961, no. 9, 79-80,  
185)

**TEXT:** One points to two domains of application of the cybernetic in technics: the automation of controlling machines and of their complexes the carrying-out of complicated calculations and modellings of dynamic and logical systems and processes. The significance of bionic is explained. Two types of economic problems are mentioned for the solution of which electronic computing machines can be used: the developing of models of economic systems and the solution of planing economic problems of optimization. At last one discusses the question of a uniform system of public computing centres and the problem of a rational use of the electronic technic of computing. ✓

[Abstracter's note: Complete translation.]

Card 1/1

KITOV, A.I.

BERG, A.I., glav. red.; TRAPEZNIKOV, V.A., glav. red.; BERKOVICH, D.M.,  
 zaml glav. red.; LEISNER, A.Ya., doktor tekhn. nauk, prof.,  
 zam. glav. red.; AVEH, O.I., red.; AGEYKIN, D.I., red.; kand.  
 tekhn. nauk, dots., red.; AYZERMAN, M.A., red.; VENIKOV, V.A.,  
 doktor tekhn. nauk, prof., red.; VORONOV, A.A., doktor tekhn.  
 nauk, prof., red.; GAVRILOV, M.A., doktor tekhn. nauk, prof.,  
 red.; ZERNOV, D.V., red.; IL'IN, V.A., doktor tekhn. nauk,  
 prof., red.; KITOV, A.I., kand. tekhn. nauk, red.; KOGAN, B.Ya.,  
 doktor tekhn. nauk, red.; KOSTOUSOV, A.I., red.; KRINITSKIY,  
 N.A., kand. fiz.-mat. nauk red.; LEVIN, O.A., prof. red.;  
 LOZINSKIY, M.G., doktor tekhn. nauk, red.; LUSHIYEVSKIY, V.I.,  
 red.; MAKSAREV, Yu.Ye., red.; MASLOV, A.A., dots., red.; POPKOV, A.A., red.;  
 RAKOVSKIY, M.Ye., red.; ROZENBERG, L.D., doktor tekhn. nauk,  
 prof., red.; SOTSKOV, B.S., red.; TIMOFEYEV, P.V., red.;  
 USHAKOV, V.B., doktor tekhn. nauk, red.; FEL'DBAUM, A.A.,  
 doktor tekhn. nauk, prof., red.; FROLOV, V.S., red.;  
 KHARKEVICH, A.A., red.; KHRAMOV, A.V., kand. tekhn. nauk, red.;  
 TSYPKIN, Ya.Z., doktor tekhn. nauk, prof., red.; CHELYUSTKIN,  
 A.B., kand. tekhn. nauk, red.; SHREYDER, Yu.A., kand. fiz.-  
 mat. nauk, dots., red.; BOCHAROVA, M.D., kand. tekhn. nauk,  
 starshiy nauchnyy red.; DELONE, N.N., inzh., nauchnyy red.;  
 BARANOV, V.I., nauchnyy red.; PAVLOVA, T.I., tekhn. red.

(Continued on next card)

BERG, A.I.— (continued). Card 2.

[Industrial electronics and automation of production processes] Avtomatizatsiia proizvodstva i promyshlennaia elektronika. Glav. red. A.I.Berg i V.A.Trapeznikov. Moskva, Gos.nauchn. izd-vo "Sovetskaia Entsiklopediia." Vol.1. A - I. 1962. 524 p. (MIRA 15:10)

1. Chlen-korrespondent Akademii nauk SSSR (for Sotskov, Kharkovich, Zernov, Timofeyev, Popkov).  
(Automatic control) (Electronic control)

KITOV, Anatoliy Ivanovich

[Electronic computing machines and programming] Elektronnyye  
tsifrovyye mashiny i programirovaniye. Moskva, Isd-vo fiziko-  
matem.lit-ry, 1962. 572 p. (MIRA 16:3)  
(Electronic computers)



KITOV, Anatoliy Ivanovich

Electronic computers, by A.I. Kitev and N.A. Krinitkiy.

New York, Macmillan, 1962.

112 p. illus. tables (International Series of Monographs on Electronics and Instrumentation, v. 13)

A Pergamon Press Book

Translated from the original Russian: Elektronnyye vychislitel'nyye mashiny.  
Moscow, 1958.

KLYAMKO, E.I.; KITOV, A.I., red.; KUKOLEVA, T.V., red.; GUTCHINA,  
N.Ya., red.; BELYAYEVA, V.V., tekhn. red.

[Network and test control in automatic digital computers]  
Skhemy i testovyi kontrol' avtomaticheskikh tsifrovyykh vy-  
chislitel'nykh mashin. Moskva, "Sovetskoe radio," 1963. 191 p.  
(MIRA 16:12)

(Electronic digital computers)

BERG, A.I., glav. red.; TRAPEZNIKOV, V.A., glav. red.; TSYPKIN, Ya.Z., doktor tekhn. nauk, prof., red.; VORONOV, A.A., doktor tekhn. nauk, prof., red.; SOTSKOV, B.S., doktor tekhn. nauk, red.; AGEYKIN, D.I., doktor tekhn. nauk, red.; GAVRILOV, M.A., red.; VENIKOV, V.A., doktor tekhn. nauk, prof., red.; CHELYUSTKIN, A.B., doktor tekhn. nauk, red.; PROKOP'YEV, V.N., doktor tekhn. nauk, prof., red.; IL'IN, V.A., doktor tekhn. nauk, prof., red.; KITOV, A.I., doktor tekhn. nauk, red.; KRINITSKIY, N.A., kand. fiz.-matem. nauk, red.; KOGAN, B.Ya., doktor tekhn. nauk, red.; USHAKOV, V.B., doktor tekhn. nauk, red.; LEVIN, Yu.A., doktor tekhn. nauk, prof., red.; FEL'DBAUM, A.A., prof., doktor tekhn. nauk, red.; SHREYDER, Yu.A., kand. fiz.-mat. nauk, dots., red.; KHARKEVICH, A.A., akad., red.; TIMOFEYEV, P.V., red.; MASLOV, A.A., dots., red.; LEVIN, G.A., prof., red.; LOZINSKIY, M.G., doktor tekhn. nauk, red.; NETUSHIL, A.V., doktor tekhn. nauk, prof., red.; POPKOV, V.I., red.; ROZENBERG, L.D., doktor tekhn. nauk, prof., red.; LIVSHITS, A.L., kand. tekhn. nauk, red.;

[Automation of production and industrial electronics] Avtomatizatsiya proizvodstva i promyshlennaya elektronika; entsiklopediya sovremennoy tekhniki. Moskva, Sovetskaya Entsiklopediya. Vol. 3. Pogreshnost' resheniya - Teleizmeritel'naya sistema chastotnaya. 1964. 487 p. (MIRA 17:10)

1. Chlen-korrespondent AN SSSR (for Sotskov, Gavrilov, Timofeyev, Popkov).

YEFIMOVA, Margarita Nikolayevna; KITOV, A.I., *rei.*; LYUBIMOVA,  
T.M., *red.*

[Algorithmic languages; surv. y of foreign papers] Algo-  
ritmicheskie iazyki; obzor zarubezhnykh robot. Moskva,  
Sovetskoe radio, 1965. 84 p. (MIRA 18:7)

KITOV, Anatoliy Ivanovich; KRINITSKIY, Nikolay Andreyevich;  
DORODNITSYN, A.A., akademi

[Electronic computers] Elektronnyye vychislitel'nye ma-  
shiny. Izd.2., perer. i dop. Moskva, Nauka, 1965. 174 p.  
(MIRA 18:6)

BERG, A.I., glav. red.; TRAPEZNIKOV, V.A., glav. red.; TSYPKIN, Ya.Z., doktor tekhn. nauk, prof., red.; VORONOV A.A., prof., red.; AGEYKIN, D.I., doktor tekhn. nauk red.; GAVRILOV, M.A., red.; VENIKOV, V.A., doktor tekhn. nauk, prof., red.; SOTSKOV, B.S., red.; CHELYUSTKIN, A.B., doktor tekhn. nauk, red.; PROKOF'YEV, V.N., doktor tekhn. nauk, prof., red.; IL'IN, V.A., doktor tekhn. nauk, prof., red.; KITOV, A.I., doktor tekhn. nauk, red.; KRINITSKIY, N.A., kand. fiz. mat. nauk, red.; KOGAN, B.Ya., doktor tekhn. nauk, red.; USHAROV, V.B., doktor tekhn. nauk, red.; LERNEIT, A.Ya., doktor tekhn. nauk, prof., red.; FEL'DBAUM, A.A., doktor tekhn. nauk, prof., red.; SHREYDER, Yu.A., kand. fiz.-mat. nauk, red.; KHARKEVICH, A.A., akademik, red. [deceased]; TIMOFEYEV, P.V., red.; MASLOV, A.A., dots., red.; TRUTKO, A.F., inzh., red.; LEVIN, G.A., prof., red.; LOZINSKIY, M.G., doktor tekhn. nauk, red.; NETUSHIL, A.V., doktor tekhn. nauk, prof., red.; POPKOV, V.I., red.; ROZENBERG, L.D., doktor tekhn. nauk, prof., red.; LIFSHITS, A.L., kand. tekhn. nauk, red.; AVEN, O.I., kand. tekhn. nauk, red.; BLANN, O.M. [Blunn, O.M.], red.; BROYDA, V., inzh., prof., red.; BREKKL', L. [brockl, L.] inzh., knad. nauk, red.; VAYKHARDT, Kh. [Weichardt, H.], inzh., red.; BOCHAROVA, M.D., kand. tekhn. nauk, st. nauchn. red.

[Automation of production processes and industrial electronics]  
 Avtomatizatsiia proizvodstva i promyshlennaya elektronika; entsiklopediia sovremennoi tekhniki. Moskva, Sovetskaya entsiklopediia.  
 Vol.4. 1965. 543 p. (TRA 18:6)

KOMAROV, S.G.; KITOV, A.N., insh.; DOROFYEV, V.G.; SHEREMET'YEV,  
M.A.; FOMIN, A.A.; KOSAREV, A.A.; SARAFSEV, Yu.S., red.;  
VERINA, G.P., tekhn.red.

[Handbook for the repair of passenger cars] Spravochnik po  
remontu passazhirskikh vagonov. Moskva, Vsesoyuznoye izdatel'sko-  
poligr.ob'edineniye N-va puti soobshcheniya, 1960. 631 p.  
(MIRA 13:6)  
(Railroads--Passenger cars--Maintenance and repair)

DOROFYEV, V.G.; KITOV, A.M.; KRAVCHENKO, A.A., inzh., retsenzent;  
BRAYLOVSKIY, N.G., inzh., red.; KHITROVA, N.A., tekhn.red.

[Servicing of passenger cars] Ekipirovka passashirakikh  
vagonov. Moskva, Izd-vo "Transport," 1964. 135 p.  
(MIRA 17:3)



**KITOV, D.; MODEV, A.; MANDULOVA, E.**

Diagnostic importance of pain-inducing methods in patients with sciatica. *Suvr. med.* 16 no.6:352-355 ' 65.

1. Katedra po nervni bolesti i nevrokhirurgija (rukovoditel - prof. Tr. Zaprianov), Vissh meditsinski institut, Floudiv.

KITOV, D.

Migrating lumbal disk hernia. Folia med. (Plovdiv) 7 no.3:  
221-225 '65.

1. Institut de Hautes Etudes Medicales "I.P. Pavlov", Plovdiv,  
Bulgarie, Chaire des Maladies Nerveuses et de Neurochirurgie  
(Directeur: prof. T. Zaprjanov).

KITOV, D.

Primary tumors of bones of the skull and spinal column with involvement of the nervous system. Khirurgia, Sofia 14 no.2/3:307-310 '61.

1. Katedra po nervni bolesti i nevrokhirurgia pri Vissh meditsinski institut "I. P. Pavlov", Plovdiv.

(SKULL neopl) (SPINE neopl) NEUROLOGICAL MANIFESTATIONS)

KITOV, D.; NAMITCHEV, Y. [Namichev, I.]

Giant spiral meningioma of the spinal cord. Folia med. Plovdiv] 6 no.2:128-132 '64

1. Institut de Hautes Etudes Medicales "I.P.Pavlov" de Plovdiv, Bulgarie; Chaire des Maladies Nerveuses et de Neurochirurgie. (Directeurs: prof. Tr. Zapryanov [Tr. Zaprianov]).

**Oncology**

**BULGARIA**

ZAPRYANOV, T., Prof, Director, and KITOV, D., Chair of Neurological Diseases and Neurosurgery, Higher Medical Institute (Katedra po nervni bolesti i nevrokhirurgii, VMI), Plovdiv

"Spinal Cord Angiomata"

Sofia, Nevrologiya, Psikhatriya i Nevrokhirurgiya, Vol 5, No 3, 1966, pp 161-165.

Abstract [Authors' Russian and English summaries, modified]:  
The article describes two cases of epidural and one case of subdural angiomata in 70 patients treated surgically for spinal tumors. The rarity of this condition is pointed out: In two patients the tumor had lumbar localization and in one thoracic. In one patient the disease had an acute course; in the other two a gradual one with phases of remission (to the degree of full recovery). The three patients had radicular largely dissociated symptoms. The clinical and laboratory

1/2

1/1

PA 240716

KITOV, DIM. I.

Wallerberg-Zakharchenko Syndrome

A Case of a Wallenberg-Zakharchenko Syndrome, Occurring as a Result of the Affection of the Cerebellar Inferior Posterior Artery," Dr. Dim I. Kitov, Dr. Al. Bagov, Assistants, Neuropsychiatric Clinic, Clinic of Ear, Nose, and Throat Diseases and Acad. T. P. Pavlov, "Plovdiv"

"Doklady" Vol 5, No 3, 4, pp 159-167

According to the authors this is the first description of a Wallenberg-Zakharchenko syndrome in the Bulgarian medical literature. The authors state that only 60 descriptions of this syndrome have so far appeared in the world's medical journals. The condition described in this article deals with a thrombosis of the cerebellar inferior posterior artery causing the syndrome. An almost complete recovery was observed in this case.

240716

KITOV, D.

FILIPOV, F.; VASILYEV, N.; SAVOV, G.; KITOV, D.

Present state and application of neurosurgery in Bulgaria.  
Khirurgia, Sofia 8 no.9:769-772 1955.  
(NEUROSURGERY,  
in Bulgaria)

KITOV, D.

Clinical observations on echinococcosis of the cerebellum.  
Kirurgia, Sofia 8 no.9:840-842 1955.

(CEREBELLUM, diseases,  
echinococcosis (Bul))  
(ECHINOCOCCOSIS,  
cerebellum (Bul))



EXCERPTA MEDICA Sec 8 Vol 12/9 Neurology Sept 59

4382. **CONDITIONED-REFLEX MIGRAINE** (Bulgarian text) - Kitov D. and  
Kilimov N. Clin. des Maladies Nerv., Inst. Sup. de Méd., 'I. P. Pavlov',  
Plovdiv - REC. TRAV. INST. SUP.-MED. 'I. P. PAVLOV' 1955, 10 (223-  
227).

Reference is made to the case of a patient who suffered from attacks of migraine of conditioned-reflex origin, followed by a concise discussion of the question of diseases manifesting themselves in attacks, in the pathogenesis of which conditioned-reflex mechanisms are concerned. The patient in question had suffered from attacks of migraine at the time of her puberty, when she was living in her parents' home. Later, when she was married, the migraine reappeared each time she visited her former home. In an attempt to explain the aetiopathogenesis of these attacks of migraine, consideration is given to the possibility of an allergic cause for the migraine in this case; this is rejected as being improbable. It is believed that this migraine was of conditioned-reflex nature. The first attacks appeared on a conditioned-reflex basis. After the marriage, in the new environment, the action of the conditioned-reflex stimulus was interrupted and the attacks of migraine ceased to occur. On the assumption that conditioned-reflex mechanisms play a part in the aetiopathogenesis of migraines, it is recommended that they be treated, like all attack-diseases, by a therapy which aims at suppressing the attacks until the pathological reflex has been completely eradicated.

EXCERPTA MEDICA SER 8 Vol 12/2 Neurology Feb 59

1014. ON THE QUESTION OF TREATING TRIGEMINUS NEURALGIA WITH TISSUE THERAPY (Bulgarian text) - Kitov D. J. and Marinov V. S. Neurol. Clin., Sup. Med. Inst. 'I. P. Pavlov', Plovdiv - SAVH. MED. 1957, 8/10 (88-93) Tables 2

The treatment of trigeminal neuralgia by grafting fragments of the patient's skin is considered with reference to the theory of biogenic stimulants. This form of treatment was administered to 22 patients who had suffered from essential trigeminal neuralgia for periods varying from one week to 20 years. These patients received one to 4 grafts, depending on the nature of the case. A good effect was recently obtained in 4 young patients. A transient abatement of the pain was noted in 9 other patients; in the others, the treatment was without effect. No correlation could be demonstrated between the number of grafts and the final curative effect.

Jordanov - Plovdiv

**KITOV, D.; MARINOV, P.**

Treatment of ischialgia by high infiltrations with procaine penicillin.  
Suvrem. med., Sofia 9 no.9:55-61 1958.

1. Is Klinikata po nervni bolesti pro VMI I. P. Pavlov—Plovdiv (Zav.  
katedrata: prof. Tr. Zaprianov).

(BACKACHE, ther.

procaine penicillin high infiltrations in low back pain  
(Bul))

(PENICILLIN, related opds.

procaine penicillin high infiltrations in ther. of low  
back pain (Bul))

~~KITOV, D. I.~~

Diagnosis of intervertebral disk protrusion in lumboschialgia by means of a peridural test. *Suvrem. med.*, Sofia 9 no.6:48-56 1958.

1. In Katedrata po narvii bolesti pri VMI I. P. Pavlov -Plovdiv (Zav. Katedrata: prof. T. Zaprianov).

(INTERVERTEBRAL DISK DISPLACEMENT, compl.

sciatica, diag., peridural test, technic (Bul))

(SCIATICA, etiol. & pathogen.

intervertebral disk displacement, diag., peridural. test, technic (Bul))

KITOV, G.

factory credit union. Sov. profsoiuzy 7 no.13:55 JI '59.  
(MIRA 12:10)

1. Predsedatel' pravleniya kassy vzaimopomoshchi Gor'kovskogo  
avtozavoda.  
(Gorkiy--Mutual benefit associations)

*RITOV P.*

GRIGOR'YEV, V. (Rostovskaya obl.); LESNICHENKO, P. (L'vovskaya obl.);  
YAKUBEN', M. (Moskovskaya obl.); KITOV, P. (Khar'kovskaya obl.);  
KORNEV, V. (Mytishchinskiy radiousel); BRATANOVSKIY, B. (Pavlo-  
vo-Posadskiy radiousel).

Our complaints against the radio industry. Radio no. 9:9 B '54.  
(MLRA 7:9)

1. Nachal'niki DRTS (for Grigor'yev, Lesnichenko, Yakuben', Kitov)
2. Nachal'niki radiousov Vorskovskoy oblasti (for Kornev & Bratanovskiy)  
(Radio industry)

KITOV, P.V.

The way we go about providing radio service in rural areas. Vest.  
sviasi 15 no.7:22-23 J1 '55. (MIRA 8:8)

1. Nachal'nik Khar'kovskoy DRTS. (Radio)

IVANOV, D.A.; KUZNETSOV, O.I.; ZAKHAROV, A.N., inzh.; KLYUCHEV, V.M.;  
KITOV, P.Y.

Replies to S.M.Iakushev's article "What we expect from industry."  
Vest. svyazi 22 no.10:25-26 0 '62. (MIRA 15:11)

1. Nachal'nik Leningradskoy oblastnoy direktzii radiotranslyatsionnoy seti (for Ivanov).
2. Starshiy inzh. vnutrirayonnoy svyazi Tomskoy kontory svyazi (for Kuznetsov).
3. Nachal'nik laboratorii Gor'kovskoy oblastnoy direktzii radiotranslyatsionnoy seti (for Klyuchev).
4. Nachal'nik Khar'kovskoy direktzii radiotranslyatsionnoy seti (for Kitov).

(Electric equipment industry)  
(Radio—Equipment and supplies)  
(Iakushev, S.M.)



L 54800-65

EWT(1)/EWT(m)/EPF(c)/EPF(n)-2/ENG(m)/EPR/ENP(j) Pc-A/Pr-A/Pe-A/

Pu-4 JD/WA/RM

ACCESSION NR: AR4049250

8/0196/64/000/008/0010/0011

536.24

SOURCE: Ref. zh. Elektrotehnika i energetika, Abs. 8060

AUTHOR: Kudryashev, L. I.; Kitov, R. N.

TITLE: Reduced heat-transfer coefficient under the conditions of an external problem and with an allowance for chemical transformations ↑

CITED SOURCE: Tr. Kuybyshevsk. aviats. in-t, vyp. 15, ch. 2, 1963, 191-196

TOPIC TAGS: heat transfer, heat transfer coefficient, chemical process

<sup>21</sup>  
TRANSLATION: In some chemical-engineering processes associated with the heating of particles, under external circumfluency conditions (e. g., in a suspension state), the heat-transfer coefficient to the particles may be high as compared with the constants which determine the rate of reaction. In this connection, the time of existence of the material in the chemical transformation zone is largely determined by the time of completion of the reaction, and the problem of heat exchange in such processes becomes an internal problem primarily determined by the rate of reaction within the particles. A calculation of the reaction time is presented for the process of dissociation of limestone and for the process of sintering

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clinker; a concept of the reduced heat-transfer coefficient dependent on the chemical-transformation process is introduced. Formulas are derived for the correction to the above coefficient determined from the external-circumfluency conditions of the particles. Bibliography: 4 titles.

SUB CODE: GC

ENCL: 00

Card 2/2

L 39622-66 ~~Eni(1)/Eni(m)/Eni(n)-2/Eno(m)~~ ~~nn/jd/vvt-7~~

ACC NR: AT6003086

SOURCE CODE: UR/3181/63/000/015/0191/0196 14

AUTHOR: Kudryashev, L.I. (Professor, Doctor of technical sciences); Kitov, R.N. (B+)

ORG: None

TITLE: The reduced heat transfer coefficient under the conditions of the external problem, taking chemical transformations into account

SOURCE: Kuybyshev. Aviatsionnyy institut. Trudy, no. 15, pt. 2, 1963.  
Doklady kustovoy nauchno-tekhnicheskoy konferentsii po voprosam mekhaniki zhidkosti i gaza (Reports of the Joint scientific-technical conference on problems of the mechanics of liquid and gas), 191-196

TOPIC TAGS: convective heat transfer, chemical reaction, heat of dissociation, heat transfer coefficient, lime

ABSTRACT: The article is an attempt to determine the reduced heat transfer coefficient for the process of the dissociation of limestone and for the process of sintering clinker minerals. Following a mathematical development, the article arrives at the following expression for the reduced heat transfer coefficient for the dissociation of limestone:

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ACC NR: AT6003086

$$\alpha_n = \frac{q \cdot d \cdot T_m \cdot K}{18 \Delta t \sqrt{\frac{q_0}{r}}} \quad (12)$$

where  $\alpha_n$  is the reduced heat transfer coefficient (taking into account the mechanism of dissociation), kcal/m<sup>2</sup>-hr-°C; q is the total amount of heat expended in heating the material and in the dissociation; d is the mean particle diameter of the material, m; M is the density of the material, kg/m<sup>3</sup>; K is a reaction rate constant;  $\Delta t$  is the mean logarithmic temperature difference; q<sub>0</sub> is the amount of heat necessary for completion of the dissociation reaction, kcal; and, r is the heat of dissociation of limestone, kcal/kg. Further calculation yields an expression for the desired correction, that is, the coefficient taking into account the dissociation of the limestone:

$$\alpha = \frac{q \cdot d \cdot T_m \cdot K}{18 \alpha_n \Delta t \sqrt{\frac{q_0}{r}}} \quad (16)$$

A similar calculation is carried through for the sintering of clinker materials. It is concluded that chemical transformations basically change the heat transfer problem. Calculation of heat transfer in this case must take into account the reduced heat transfer coefficient,

Cord 2/3