5(4) SOV/76-33-1-11/45

AUTHORS: Yegorov, M. M., Kiselev, V. F., Krasil'nikov, K. G., Murina, T. T.

TITLE: The Effect of the Surface Nature of Silica Gel and Quartz on Their Adsorption Properties (Vliyaniye prirody poverkhnosti silikagelya i kvartsa na ikh adsorbtsionnyye svoystva) III. Heats of Wetting of Silicon Dioxide With Various Liquids (III. Teploty smachivaniya kremnezema razlichnymi zhidkostyami)

PERIODICAL: Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 1, pp 65-73 (USSR)

ABSTRACT: In connection with previous papers the effect of the hydration of the surface of silicon dioxide on the adsorption energy of water and methanol in the form of heat of wetting (HW) is investigated. HW was determined in several SiO_2 samples with water, methanol, n-propanol, and n-heptane in dependence on the hydration degree of the surface. Data on the HW of the silica gels KSK with water were taken from M. M. Yegorov's thesis (Ref 18). The HW was measured by means of a calorimeter with a temperature sensitivity of 5.10^{-5}°C. A table of the investigated silica gels with the HW obtained for water is given. An investigation of the effect of the glowing temperature on the HW

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The Effect of the Surface Nature of Silica Gel and Quartz on Their Adsorption Properties. III. Heats of Wetting of Silicon Dioxide With Various Liquids

(Fig 1) showed that a glowing temperature of 200-300°C the function curves pass through a maximum. An increase in the glowing temperature up to 1000°C resulted in a surface decrease, e. g. in silica gel K-2, of several m^2/g. A treatment at 300°C is considered the standard. Here, the dependence of the HW on the hydration of the surface is expressed by a straight line. A wetting of thermally dehydrated samples with water results in the formation of hydration heat. A hydrated quartz surface differs qualitatively from a corresponding silica gel surface which can be explained by the closer packing of the hydroxyl groups (in quartz); however, investigations have still to be carried out in this respect (e. g. according to the method of the core-paramagnetic resonance). The HW of methanol does not depend on the porosity of the silica gels, which is the case with n-propanol and n-heptane. In the case of partly dehydrated surfaces a greater HW is obtained by the use of methanol than by that of water which can be explained by the effect of the methyl group in the adsorption. The results of the investigations show that the HW

The Effect of the Surface Nature of Silica Gel and Quartz on Their Adsorption Properties. III. Heats of Wetting of Silicon Dioxide With Various Liquids

of the silica gel with water and methanol depends essentially on the hydration degree of the surface which is not the case with n-heptane. The authors thank B. V. Il'in and G. I. Aleksandrova. There are 3 figures, 1 table, and 22 references, 14 of which are Soviet.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University imeni M. V. Lomonosov)

05806

5(4) SOV/76-33-10-4/45

AUTHORS: Yegorov, M. M., Kiselev, V. F., Krasil'nikov, K. G.

TITLE: On the Problem of the Adsorptive Power of a Unit of the Quartz Surface

PERIODICAL: Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 10, pp 2141-2144 (USSR)

ABSTRACT: Since the quantity of adsorbed OH groups depends on the number of free corners of the SiO_4 tetrahedron which project into the surface of the silica-gel skeleton, it was assumed (Refs 2-4) that differences in the degree of hydration of silica gels (Refs 1-4) is connected with the manner in which the tetrahedron is packed (in dependence on the conditions of silica-gel preparation). The adsorptive properties of samples of amorphous silicon dioxide of various origin (silica gels and quartz glass) were therefore compared with those of quartz samples since the latter has the densest packing of SiO_4 tetrahedrons.

The authors investigated powder samples obtained by grinding (carried out by L. A. Feygin), crystalline quartz and transparent quartz glass. The samples were ground in dry state as well as under the addition of water. The adsorptive properties of the samples are listed (Table: quartz, Kv-1, -2, -3 samples, quartz glass, sample KS-1 and the silica gels KSK-1

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On the Problem of the Adsorptive Power of a Unit of the Quartz Surface

and K-2). Comparison of the adsorption isothermal lines (Fig) shows that the adsorptive power of quartz depends on the conditions under which the samples were pulverized. The adsorption isothermal lines of the samples which were ground in dry state or with a small addition of water attain considerably higher values than those of samples ground in wet state. The isothermal lines of water vapor adsorption of samples (ground under the same conditions) obtained from crystalline quartz Kv-3 and quartz glass KS-1 (Fig 1) indicate that the isothermal line of isotropic quartz glass attains higher values than that of crystalline quartz. Accordingly, results do not confirm the view of A. V. Kiselev (Refs 11, 12) as to the same adsorptive properties of crystalline and amorphous silicon dioxide. In conclusion, the authors thank K. V. Chmutov. There are 2 figures, 1 table, and 12 references, 9 of which are Soviet.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University imeni M. V. Lomonosov)

SUBMITTED: February 26, 1958

YEGOROV, M.M.; KISELEV, V.F.; KRASIL'NIKOV, K.G.

Effect of the nature of silica gel and quartz on their adsorptive capacities. Part 5: Structure of the surface of crystalline and amorphous modifications of silica. Zhur. fiz.khim. 35 no.9:2031-2038 '61. (MIRA 14:10)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.
(Silica) (Adsorption)

YEGOROV, M.M.; KISELEV, V.F.; KRASIL'NIKOV, K.G. (Moscow)

Effect of the nature of silica gel and quartz surfaces on their adsorption properties. Part 5: Adsorption of water vapor on the surface of crystalline and amorphous modifications of silica. Zhur.fiz.khim. 35 no.10:2234-2240 O '61. (MIRA 14:11)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.
(Adsorption) (Silica)

YEGOROV, M.M.

Characteristics of the surface of catalytically active aluminum oxide. Dokl. AN SSSR 140 no.2:401-404 S '61. (MIRA 14:9)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova. Predstavleno akademikom M.M.Dubininym.
(Aluminum oxide) (Surface chemistry)

YEGOROV, M.M.; IGNAT'YEVA, L.A.; KISELEV, V.F.; KRASIL'NIKOV, K.G.; TOPCHIYEVA, K.V.

Surface properties of catalytically active aluminum oxide. Zhur. fiz. khim. 36 no.9:1882-1889 S '62. (MIRA 17:6)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova, fizicheskiy fakul'tet i khimicheskiy fakul'tet.

YEGOROV, M.M.

Introducing automatic submerged-arc welding of lens compensators for gas-turbine units. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst. nauch.i tekh.inform. 18 no.5:24-25 My '65. (MIRA 18:6)

L 35325-66 EWT(m)/EWP(t)/ETI IJP(c) JD

ACC NR: AP6026838 SOURCE CODE: UR/0020/66/166/002/0395/0398

AUTHOR: Prudnikov, R.V.; Kiselev, V.F.; Yegorov, M.M.

ORG: Moscow State University (Moskovskiy gosudarstvennyy universi tet)

TITLE: Investigation of the adsorption properties of a germanium dioxide surface

SOURCE: AN SSSR. Doklady, v. 166, no. 2, 1966, 395-398

TOPIC TAGS: germanium compound, adsorption, hydrolysis, dehydration, molecular structure, chemical stability, reaction temperature

ABSTRACT: The authors studied the adsorption properties of germanium dioxide specimens produced by hydrolysis of germanium tetrachloride. Water was used as the adsorbate since it is highly sensitive to the state of the oxide surface. Curves are given showing the specific surface, content of structural water calculated per gram and per square meter of the surface, and irreversible adsorption of water as functions of temperature. The greatest losses of water take place when the specimen is heated to 300°. Dehydration takes place without any noticeable change in the specific surface. Calculation of the structural water content per unit area shows an unusually high value at low temperatures, much greater than that for silicon and titanium oxides. Apparently a part of the water at low temperatures is located in structural defects in deformed GeO_2 particles produced by partial transition from the

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ACC NR: AP6026838

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dense tetragonal form in which the germanium atom is surrounded by six coordination linked atoms of oxygen to a looser hexagonal form with tetrahedrally located oxygen atoms. An increase in the solubility of the hexagonal form would facilitate the introduction of water molecules. This introduction of water may be one of the reasons for instability of germanium devices. Measurements show that the specific primary adsorption of specimens increases when the heat treatment temperature is raised from 20 to 300°. Specimens annealed at 300° show maximum adsorption activity. Adsorption drops sharply when the heat treatment temperature is raised further. Irreversible adsorption increases with temperature up to 400-500° and then decreases. The article was presented by Academician M.M. Dubinin on 4 June 1965. The authors thank L.N. Kurbatov for his support of the work and K.G. Krasil'nikov for his valuable discussion of the results. [JPRS: 36,455]

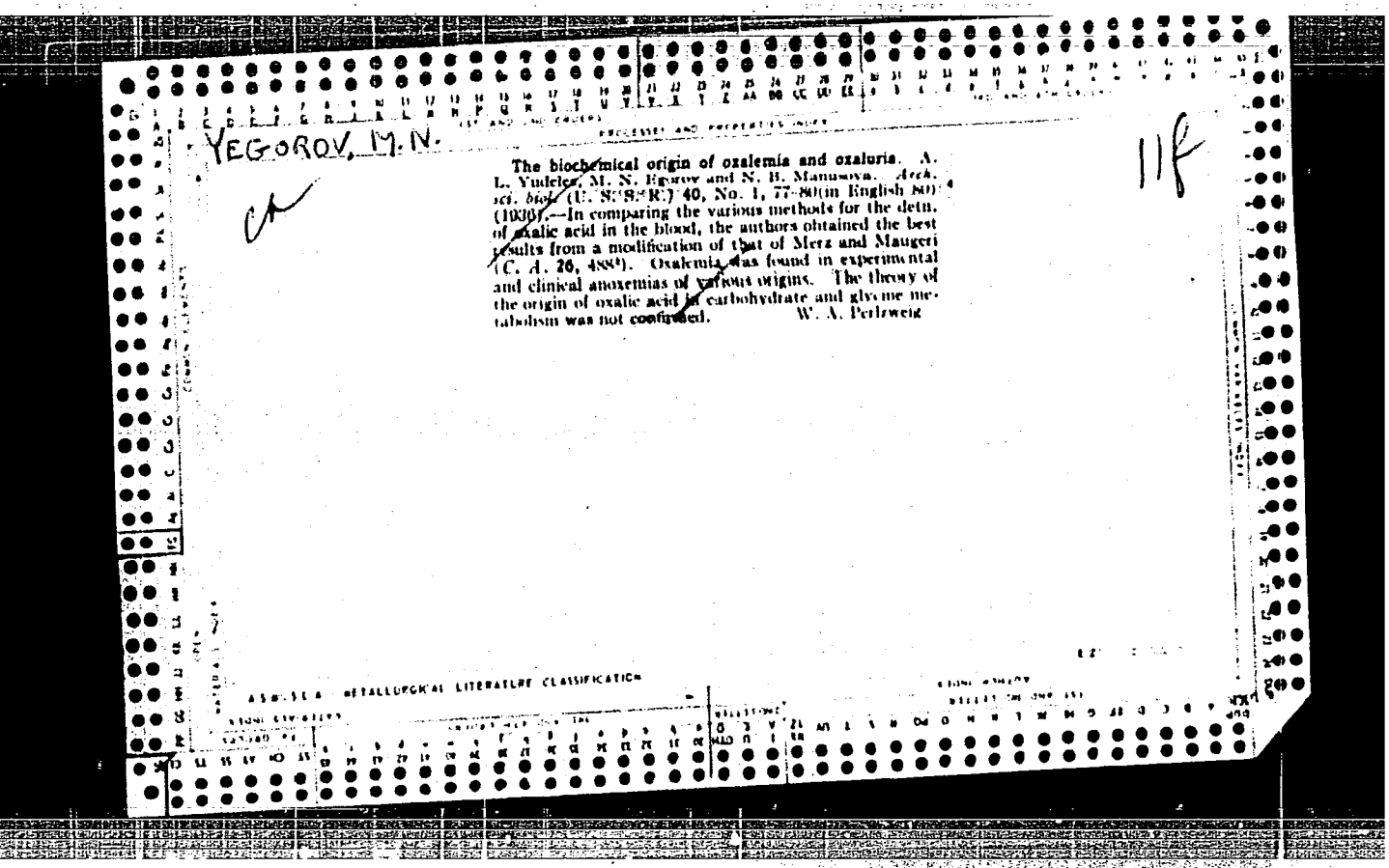
SUB CODE: 07 / SUBM DATE: 02Jun65 / ORIG REF: 010 / OTH REF: 004

Card 2/2 bdk

KOZIN, Ya.D., YEGOROV, M.N., red.

[Problems of karst in the southern part of the European U.S.S.R.] Voprosy karsta na iuge Evropeiskoi chasti SSSR. Kiev, Izd-vo Akademii nauk USSR, 1956. 191 p. (MIRA 11:10)

1. Akademiya nauk URSR, Kiev. Krymskiy filial.
(Karst)

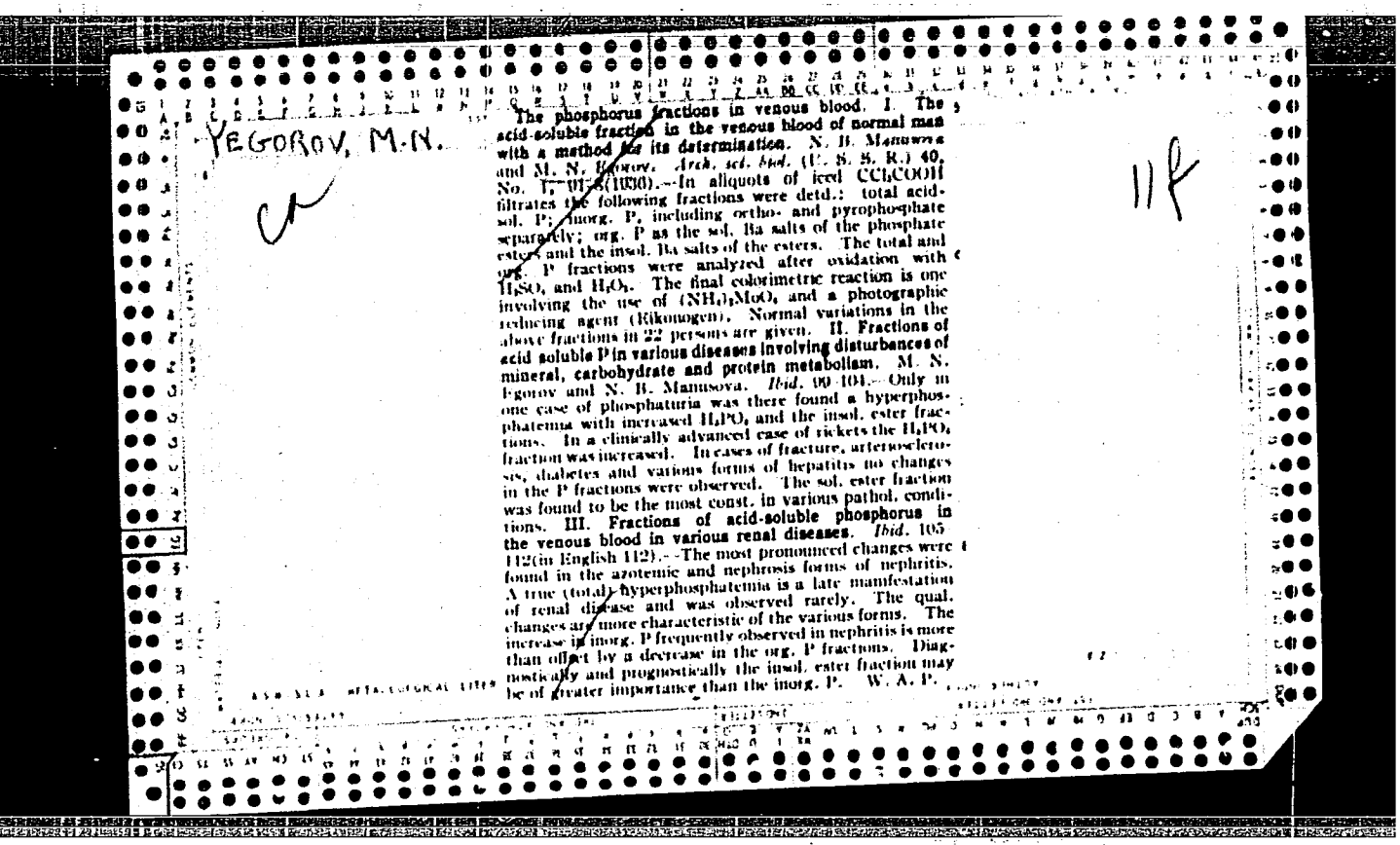


YEGOROV, M. N.

11f

The biochemical origin of oxalemia and oxaluria. A. L. Yudelev, M. N. Egorov and N. B. Manusova. *Arch. sci. biol.* (U. S. S. R.) 40, No. 1, 77–80 (in English 80) (1938).—In comparing the various methods for the detn. of oxalic acid in the blood, the authors obtained the best results from a modification of that of Merz and Maugeri (*C. A.* **26**, 4884). Oxalemia was found in experimental and clinical anoxemias of various origins. The theory of the origin of oxalic acid in carbohydrate and glycine metabolism was not confirmed. W. A. Perlzweig

ASM/SLA METALLURGICAL LITERATURE CLASSIFICATION



YEGOROV, M.N.

11f

The phosphorus fractions in venous blood. I. The acid-soluble fraction in the venous blood of normal man with a method for its determination. N. B. Manusova and M. N. Egorov. *Arch. sci. biol.* (U. S. S. R.) 40, No. 1, 91-8(1936).—In aliquots of iced CCl_3COOH filtrates the following fractions were detd.: total acid-sol. P; inorg. P, including ortho- and pyrophosphate separately; org. P as the sol. Ba salts of the phosphate esters and the insol. Ba salts of the esters. The total and org. P fractions were analyzed after oxidation with H_2SO_4 and H_2O_2. The final colorimetric reaction is one involving the use of $(NH_4)_2MoO_4$ and a photographic reducing agent (Rikonogen). Normal variations in the above fractions in 22 persons are given. **II. Fractions of acid soluble P in various diseases involving disturbances of mineral, carbohydrate and protein metabolism.** M. N. Egorov and N. B. Manusova. *Ibid.* 90-104.—Only in one case of phosphaturia was there found a hyperphosphatemia with increased H_3PO_4 and the insol. ester fractions. In a clinically advanced case of rickets the H_3PO_4 fraction was increased. In cases of fracture, arteriosclerosis, diabetes and various forms of hepatitis no changes in the P fractions were observed. The sol. ester fraction was found to be the most const. in various pathol. conditions. **III. Fractions of acid-soluble phosphorus in the venous blood in various renal diseases.** *Ibid.* 105-112(in English 112).—The most pronounced changes were found in the azotemic and nephrosis forms of nephritis. A true (total) hyperphosphatemia is a late manifestation of renal disease and was observed rarely. The qual. changes are more characteristic of the various forms. The increase in inorg. P frequently observed in nephritis is more than offset by a decrease in the org. P fractions. Diagnostically and prognostically the insol. ester fraction may be of greater importance than the inorg. P. W. A. P.

YEGOROV, M.N.; LARIKOVA, V.I.

Complex inflation method of gastric function test in certain gastro-intestinal diseases. Ter. arkh., Moskva 24 no.1:22-36 Jan-Feb 52.
(CIML 21:4)

1. Professor for Yegorov. 2. Of the Therapeutic Sanitary Administration of the Kremlin (Head--P.I. Yegorov, Corresponding Member of the Academy of Medical Sciences USSR).

YEGOROV, M.N.

YEGOROV, M.N., professor; LARIKOVA, V.I. (Moskva)

Use of various anticoagulants in myocardial infarction and in stenocardia. Klin. med. 32 no.5:45-51 My '54. (MLRA 7:7)

(ANGINA PECTORIS, therapy,
*anticoagulants)
(MYOCARDIAL INFARCT, therapy,
*anticoagulants)
(ANTICOAGULANTS, therapeutic use,
*angina pectoris & myocarial infarct)

YEGOROV, M.N.

[Antibiotics, the new drugs; penicillin, streptomycin, chloromycetin, and others] Novye lechebnye sredstva - antibiotiki; penitsillin, streptomitsin, levomitsetin i dr. Moskva, Medgiz, 1955. 43 p. (MLRA 8:4)
(Antibiotics)

USSR/Medicine - Nutrition FD-3290

Card 1/1 Pub. 141 - 5/19

Author : Yegorov, M. N.; Levitskiy, L. M.; Prostyakov, K. M.

Title : Therapeutic nutrition for obesity

Periodical : Vop. pit., 17-26, Jul/Aug 1955

Abstract : Two basic diets are administered to patients being treated for obesity at the Clinic of Therapeutic Nutrition, Academy of Medical Sciences USSR. Diet I, a preliminary diet used to get the system adapted to decreased caloric intake, consists of the following: proteins - 18%; fats - 28%; carbohydrates - 54%. The patients are then placed on Diet II, which consists of: proteins-28%; fats - 44%, carbohydrates - 28%. Three variations of each of the above diets were also used to fit individual cases, i.e. according to age, weight, sex, etc. In conjunction with the dieting, special contrast days were used wherein the same low caloric content was maintained, but the menu consisted almost entirely of either fats, proteins or carbohydrates. Changes in eating schedule were used to break the stereotype of eating, thus decreasing the appetite. Discusses the physiological aspects of the above diet which is said to rapidly improve the regulation of fat metabolism without any harmful side effects. Three tables; four graphs; no references.

Institution : Clinic of Therapeutic Nutrition, Acad Med Sci USSR, Moscow

YEGOROV, M.N., professor

Diet in obesity. Zdorov'e 1 no.7:30 Jl '55 (MLRA 9:5)
(CORPULENCE) (DIET IN DISEASE)

YEGOROV, M.N.; PROSTYAKOV, K.M.

"Diseases of the endocrine system and metabolism" by V.G.Baranov. Reviewed by M.N.Egorov, K.M.Prostiakov. Vop.pit. 15 no.6:56-58 N-D '56. (MIRA 9:12)

(METABOLISM, DISORDERS OF) (ENDOCRINOLOGY)
(BARANOV, V.G.)

YEGOROV, Mikhail Nikolayevich; LEVITSKIY, L.M.

[Obesity; pathogenesis, clinical aspects, treatment] Ozhirenie; patogenez, klinika, lechenie. Moskva, Medgiz, 1957. 234 p.
(CORPULENCE) (MIRA 10:11)

YEGOROV, M.N.; LEVITSKIY, L.M.; PROSTYAKOV, K.M.

Clinical aspects and treatment of obesity. Vop.pit. 16 no.5:36-44 S-O '57. (MIRA 11:3)

1. Iz kliniki lechebnogo pitaniya (zav. - prof. F.K.Men'shikov) Instituta pitaniya AMN SSSR, Moskva.
(OBESITY,
(Rus))

YEGOROV, M.N., prof., MISHCHENKO, Ye.D., SYCHEVA, A.N., KRASNOVA, A.M.

Chemotherapy of diabetes mellitus and problems of dietotherapy.
Terap. arkh. 30 no.7:18-25 Jl'58 (MIRA 11:8)

1. Iz kliniki lechebnogo pitaniya (zav. - prof. F.K. Men'shikov) Instituta pitaniya AMN SSSR.
(ANTIDIABETICS, therapeutic use,
(Rus))
(DIETS, in var. dis.
diabetes mellitus (Rus))
(DIABETES MELLITUS, therapy
diets (Rus))

YEGOROV, M.N.; YEKISENINA, N.I.

Use of fasting therapy of obesity. Vop.pit. 18 no.5:8-11 S-O '59.
(MIRA 13:1)

1. Iz Kliniki lechebnogo pitaniya Instituta pitaniya AMN SSSR, Moskva.
(HUNGER ther.)
(OBESITY ther.)

LEVITSKIY, L.M., doktor med.nauk; YEGOROV, M.N., prof.; KUDINOVA, T.I.; LIBERMAN, A.B.; ZIKEYEVA, V.K. (Moskva)

Associated antibiotic and dietetic therapy in chronic infectious angiocholecystitis [with summary in English]. Klin.med. 37 no.2: 79-87 F '59. (MIRA 12:3)

1. Iz kliniki lechebnogo pitaniya (zav. - prof. F.K. Men'shikov) Instituta pitaniya AMN SSSR (dir. - chlen-korrespondent AMN SSSR prof. O.P. Molchanova).

(CHOLECYSTITIS, therapy,
antibiotics & diet ther. in chronic infect. angiocholecystitis (Rus))
(BILE DUCTS, dis.
chronic infect. angiocholecystitis, antibiotic & diet ther. (Rus))
(ANTIBIOTICS, ther. use,
chronic infect. angiocholecystitis, with diet ther. (Rus))
(DIETS, in var. dis.
chronic infect. angiocholecystitis, with antibiotics (Rus))

YEGOROV, M. M., prof.; LEVITSKIY, L. M., doktor meditsinskikh nauk (Moskva)

Curability of some forms of diabetes mellitus. Klin. med. no.8: 19-25 '61. (MIRA 15:4)

1. Iz kliniki lechebnogo pitaniya (zav. - doktor meditsinskikh nauk L. M. Levitskiy) Instituta pitaniya AMN SSSR (dir. - chlen-korrespondent AMN SSSR prof. O. P. Molchanova)

(DIABETES)

YEGOROV, M.N.

Some metabolism disorders in diabetes mellitus and their dynamics during compound treatment. Vop. pit. 21 no.1:3-9 Ja-F '62. (MIRA 15:2)

1. Iz kliniki lechebnogo pitaniya (zav. - doktor med.nauk L.M.Levitskiy) Instituta pitaniya AMN SSSR, Moskva.
(DIABETES) (METABOLISM, DISORDERS OF)

S/076/62/036/009/002/011
B101/B102

AUTHORS: Yegorov, L. M., Ignat'yeva, L. A., Kiselev, V. F., Krasil'nikov, K. G., and Topchiyeva, K. V.

TITLE: Study of the surface properties of catalytic aluminum oxide

PERIODICAL: Zhurnal fizicheskoy khimii, v. 36, no. 9, 1962, 1882 - 1889

TEXT: The specific heat of wetting of commercial Al_2O_3 by water, methanol, ethanol, and n-heptane, and the content of structural water Al_2O_3 were measured, the phase composition of Al_2O_3 was determined by x-ray analysis, and the infrared spectrum of deuterated Al_2O_3 was taken. Whereas with n-heptane the heat of wetting is independent of the content of structural water in Al_2O_3, it increases, in the case of water and alcohols, with increasing thermal dehydration of Al_2O_3. Since, however, the specific surface of Al_2O_3 becomes smaller at high annealing temperatures, the heat of

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S/076/62/036/009/002/011
B101/B102

Study of the surface ...

wetting calculated per g of Al_2O_3 reaches a maximum for Al_2O_3 heated at 500°C. The curve for heat of wetting (Q, erg/cm^3) versus structural water (μmole/m^2) shows the following sections: (1) Increase of Q after thermal treatment of Al_2O_3 at 20 - 150°C owing to removal of the adsorbed H_2O; (2) unchanged Q at 170 - 200°C in spite of dehydration of the bayerit in the bulk of Al_2O_3; (3) Q increases at 200 - 500°C owing to dehydration of the Al_2O_3 surface; (4) sharp increase of Q between 500 and 700°C, although the content of structural water changes only little in this range owing to formation of γ-Al_2O_3; (5) increase of Q at 800-900°C owing to formation of κ, δ, θ, and α-Al_2O_3 (corundum). The infrared spectrum of deuterated Al_2O_3 showed a broad 2630 cm^{-1} band which disappeared at 400°C (interacting OD groups), a narrow band at 2755 cm^{-1} (free, non-interacting OD groups), and a narrow 2710 cm^{-1} band (weakly bound OD groups). For gibbsite, maximum hydration was calculated to be ~22 μmole/m^2; for the (0001) face of corundum, the hydration amounts to 12.7 μmole/m^2. The coordination sphere of the Al

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surface atoms which is not fully occupied after the thermal dehydration is filled up by water or alcohols with formation of hydrate or alcoholates, respectively. The irreversible sorption of alcohols increases after thermal treatment of Al_2O_3 at high temperature. There are 4 figures and 2 tables.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova, Fizicheskiy i khimicheskiy fakul'tety (Moscow State University imeni M. V. Lomonosov, Physical and Chemical Departments)

SUBMITTED: November 1, 1960

YEGOROV, M.N.

Graduation in the solenoidal field of "Aldan" and MKVE-1 microvoltmeters. Razved. i okh.nedr 31 no.4: 56-57 Ap '65. (MIRA 19:1)

1. Yakutskoye geologicheskoye upravleniye.

YEGOROV, M.N.

Mode of eliminating the effect of relief in the alternating charge method. Vest. IGU 20:64-72 '65.

(MIRA 18:4)

GRASHCHENKOV, N.I., otv. red.; YEGOROV, M.N., prof., nauchn. konsul'tant, otv. red.

[Cardiovascular diseases and metabolic diseases; works by the physicians of the Central Hospital and of the Polyclinic of the Academy of Sciences of the U.S.S.R.] Serdechno-sosudistye zabolevaniia i bolezni obmena veshchestv; raboty vrachei TSentral'noi bol'nitsy s poliklinikoi AN SSSR. Moskva, Nauka, 1964. 205 p. (MIRA 18:1)

1. Akademiya nauk SSSR. Otdeleniye biologicheskikh nauk.
2. Chlen-korrespondent AN SSSR (for Grashchenkov).

YEGOROV, Mikhail Nikolayevich, prof.; LEVITSKIY, Leonid Markovich, doktor med. nauk; IPATOV, V.P., red.

[Obesity] Ozhirenie. Izd.2., perer. i dop. Moskva, Meditsina, 1964. 305 p. (MIRA 18:1)

YEGOROV, M.P.; KHEYFETS, I.S.; OBLOKULOV, S., red.; SALAKHUTDINOVA, A., tekhn. red.

[Organizing the working area of a machine-tool operator] Stanokchining ish urnini tashkil etish. Toshkent, Uzbekiston SSR davlat nashrieti, 1961. 69 p. [In Uzbek] (MIRA 15:1)
(Machine-shop practice)

BORISOV, V.V.; DUBYANSKIY, M.A.; STOLBOV, V.S.; TUROV, A.A.; SHUTKIN, L.N.; YEGOROV, M.P., red.; KUROCHKIN, V.D., red.; BERDNIKOVA, N.D., red.-leksikograf; SAVIN, B.V., red.-leksikograf; KRUPENNIKOVA, I.A., red.-leksikograf; DANILOVA, Z.S., red.-leksikograf; BUKOVSKAYA, N.A., tekhn. red.

[Dictionary of foreign military abbreviations] Slovar' inostrannykh voennykh sokrashchenii. Pod red. M.P.Egorova. Moskva, Voen. izd-vo M-va oborony SSSR, 1961. 891 p. (MIRA 15:2)
(Abbreviations) (Military art and science--Dictionaries)

MUSIN, M.M.; YEGOROV, M.P.

How to reduce labor consumption? Mashinostroitel' no.10:35-36 O '65. (MIRA 18:10)

TURCHUK, Anatoliy Artem'yevich; TITOV, Petr Savvat'yevich; YEGOROV, Mikhail Sergeyevich; ORLOV, Lev Nikolayevich; MEDVEDEV, Nikolay Vasil'yevich; BUBNOV, Ye.S., redaktor; SERGEYEVA, N.A., redaktor; GUROVA, O.A., tekhnicheskiy redaktor

[ZIF-300 core drilling unit] Burovoi agregat ZIF-300. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geol.i okhrane nedr, 1955. 197 p. (Boring machinery) (MLRA 9:3)
[Microfilm]

YEGOROV, M.S.

YEGOROV, M.S.

Vibration damping chucks. Mashinostroitel' no.1:19-20 Ja '58.
(Chucks) (Damping (Mechanics)) (MIRA 11:1)

PHASE I BOOK EXPLOITATION 757

Bykov, Leonid Tikhonovich; Yegorov, Mikhail Spiridonovich, and Terasov, Pavel Vasil'yevich

Vysotnoye oborudovaniye samoletov (High-altitude Aircraft Equipment) Moscow, Oborongiz, 1958. 392 p. 7,000 copies printed.

Reviewer: Grishanov, N. G., Engineer-Colonel, Candidate of Technical Sciences; Ed.: Petrova, I. A.; Tech. Ed.: Rozhin, V. P.; Managing Ed.: Sokolov, A. I.

PURPOSE: This is a textbook approved by the Ministry of Higher Education of the USSR for the course "High-altitude Aircraft Equipment" at vtuzes. It may also be useful to engineers and scientific workers specializing in that field.

COVERAGE: The book describes the principles of construction, basic theories, and engineering design methods for the apparatus used in pressurized aircraft cabins and for oxygen equipment and presents also brief data on the physiology of high-altitude flight. The book mentions designers who made important contributions to the development of pressurized cabins and oxygen equipment, including V. A. Chizhevskiy (1931), A. Ya. Shcherbakov (1934-36), V. K. Gribovskiy (1936),

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N. N. Polikarpov, M. N. Petrov, V. M. Petlyakov (1939, 1942), V. M. Myasishchev (1939-45), etc. The authors express their gratitude to Engineer P. I. Zhitenev for his aid with section 5.4 to Chapter V. There are 10 Soviet references.

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High-altitude Aircraft Equipment

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IS/flc
11-24-58

YEGOROV, M. S.

At high altitudes. Grazhd.av. 16 no.1:25-26 Ja '59. (MIRA 12:3)
(Navigation (Aeronautics))

YEGOROV, M. S.

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(Crushing machinery--Models)

PANKRATOV, S.A., doktor tekhn. nauk; YEGOROV, M.V., inzh.

Dynamic processes in cone-shaped machines for coarse-crushing. Stroi. i dor. mash. 10 no.10:32-33 O '65. (MIRA 18:10)

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SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

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[Principles of design for machine-guilding factories] Osnovy proektirovaniia mashinostroitel'nykh zavodov. Izd. 4-e, perer. i dop. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1954. 588 p. (MLRA 7:12)
(Factories--Design and construction) (Machinery industry)

TISHIN, Sergey Dmitriyevich, dotsent, kandidat tekhnicheskikh nauk; YEGOROV, M.Ye., professor, doktor tekhnicheskikh nauk, retsenzent; UVAROVA, A.F., tekhnicheskiy redaktor

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Results of testing Czechoslovak flax harvesting machines.
Sel'khozmashina no.2:28-31 F '56. (MLRA 9:5)
(Chechoslovakia--Harvesting machinery) (Flax--Harvesting)

YEGOROV, M.E.

USSR / Cultivated Plants. Plants for Technical Use. M
Oil Plants. Sugar Plants.

Abs Jour : Ref Zhur - Biol., No 8, 1958, No 34746

Author : Yegorov, M.E.
Inst : All-Union Scientific Research Institute for Flax.
Title : Mechanized side-dressing of Long-Retted Flax

Orig Pub : Lyen i konoplya, 1957, No 6, 24-26.

Abstract : Crop experiments in collective farms of the district of Kalinin, conducted by the All-Union Scientific Research Institute for Flax, for the study of side-dressing methods on wide-row seed cultivations by means of a cultivator-fertilizer spreading unit KPH-2.8, have shown the high effectiveness of this method and the advantage of overall spreading of the fertilizer, as compared to surface fertilization by the broadcast side-dressing --Smirnov

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(Flax--Harvesting) (Harvesting machinery--Testing)

YEGOROV, M.Ye., doktor tekhn. nauk, prof.; GOKHVAT, L.Ya., inzh.; ZEL'BET, B.M., inzh.

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(Bearings (Machinery)) (Grinding and polishing)

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(Machinery--Construction) (Metal cutting) (Assembly-line methods)

YEGOROV, Mikhail Yegorovich, doktor tekhn. nauk, prof.; DEMENT'YEV, Vladimir Ivanovich, kand. tekhn.nauk, dots.; TISHIN, Sergey Dmitriyevich, kand. tekhn. nauk, dots.[deceased]; DMITRIYEV Vitaliy L'vovich, kand. tekhn. nauk, dots.; VLADZIYEVSKIY, A.P., doktor tekhn. nauk, prof., retsenzent; KUNIN, P.A., inzh., red.

[Technology of machinery manufacture] Tekhnologiia mashinostroeniia. Moskva, Vysshaia shkola, 1965. 589 p.
(MIRA 18:8)

YEGOROV, M.Ye.; L'VOVA, A.

Paleontological finds in Chuvashia. Izv. Vses. geog. ob-va 94 no.4:347-349 Jl-Ag '62. (MIRA 15:9)
(Chuvashia—Mammals, Fossil)

YEGOROV, N.

Construction and operation of the gas system in the city of Ufa.
Zhil.-kom.khoz. 9 no.1:8-10 '59. (MIRA 12:3)

1.Upravlyayushchiy trestom "Ufagorgaz."
(Ufa--Gas distribution)

YEGOROV, N., inzhener-podpolkovnik; CHERNIKOV, P., inzhener-podpolkovnik

Hose of rubber and fabric. Tyl i snab.Sov. Voor.Sil 21 no.2:87-88 F '61. (MIRA 14:6)

(Hose)

YEGOROV, N., kand.tekhn.nauk; TSVETKOV, N., inzh.

Landing stage superstructures made of lightweight reinforced concrete. Rech. transp. 19 no.11:26-28 N '60. (MIRA 13:11)
(Hydraulic structures)
(Reinforced concrete construction)

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New features in the vegetable trade. Sov.torg. no.12:32-35 D '58. (MIRA 12:2)

1. Direktor torga "Mosovoshch."
(Vegetable trade)

YEGOROV, N.

New features in the vegetable trade. Sov.torg. 34 no.7:57-59 Jl '61. (MIRA 14:7)

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(Moscow--Vegetable trade)

YEGOROV, N., general-leytenant

Party organization and technical training. Tekh. i vooruzh. no.1: 4-8 Ja '64. (MIRA 17:6)

1. Chlen Voyennogo soveta, nachal'nik politicheskogo upravleniya Moskovskogo voyennogo okruga.

YECOROV, N., general-leytenant

The CPSU on the tightening of military discipline. Komm.Vooruzh.-Sil 2 no.20:30-38 O '61. (MIRA 14:9)

1. Chlen Voyennogo soveta - nachal'nik politupravleniya Moskovskogo voyennogo okruga.

(Military discipline)

YEGOROV, N., general-leytenant

Education of teachers. Voen. vest. 42 no.8:7-11 Ag '62. (MIRA 15:7)

(Russia--Army--Officers)

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The Communist Youth League organization, the commander's support. Komm. Vooruzh. Sil 5 no.2:24-31 Ja '65. (MIRA 18:3)

1. Chlen Voyennogo soveta, nachal'nik politicheskogo upravleniya Moskovskogo voyennogo okruga.

YEGOROV, N.

On the road toward improved organization of cattle feeding. Mias. ind.SSSR 33 no.2:29-32 '62. (MIRA 15:5)
(Beef cattle—Feeding and feeds)

ACC NR: AP7003767 SOURCE CODE: UR/0310/66/000/012/0031/0032

AUTHOR: Yegorov, N. (Docent)

ORG: none

TITLE: "Regulations for the building of reinforced-concrete inland vessels" of the RSFSR River Registry (1966 edition)

SOURCE: Rechnoy transport, no. 12, 1966, 31-32

TOPIC TAGS: shipbuilding engineering, inland vessel data, reinforced concrete

ABSTRACT: In recent years great progress has been made in the use of reinforced concrete in shipbuilding. The building of and the types of reinforced-concrete vessels have increased; building techniques and hull design have been radically improved, and the use of reinforced concrete for superstructures has been introduced. This has resulted in the publication of new "Regulations for the building of reinforced-concrete inland vessels." The last regulations were published in 1958 and covered all vessels of this type, including seagoing ships. This article briefly covers various aspects of the regulations and includes two tables: 1) minimum thickness of slabs for various hull sections and types of concrete; 2) safety factors for given loads and load-carrying structural members. Orig. art. has: 2 tables. [TT]

YEGOROV, N.A.; LITVINENKO, Yu.A.

Devices used in assembling and dismounting of the ZIL-150 motortrucks (experience of the Moscow Automobile Plant). Obm.tekh.opyt.na avt. transp. no.4:45-57 '60. (MIRA 13:12)
(Motortrucks--Maintenance and repair)

YEGOROV, N.A.

SOV/98-59-4-1/17

14(6)
AUTHOR: Aleksandrov, B.K., Professor, Corresponding Member of the AS USSR, Yegorov, N.A., and Oborotova, M. G., Engineers

TITLE: Ways to Improve the Design of River-Bed Type Hydroelectric Power Plants (Puti uluchsheniya konstruktsiy ruslovykh gidroelektrostantsiy) For Discussion

PERIODICAL: Gidrotekhnicheskoye stroitel'stvo, 1959, Nr 4, pp 1-7 (USSR)

ABSTRACT: The authors are of the opinion that Soviet river-bed type hydroelectric power plants are too bulky to justify their high construction costs. Their design can be easily made lighter to bring about substantial savings in concrete, reinforced concrete, and metal for power-generating equipment. Lighter construction methods will also result in quicker construction. Plans have been worked out to create a power plant the dam and powerhouse of which consist of a single unit. The principle of this com-

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bined-type power plant was applied in the Kamskiy, Irkutskiy, and Kayrak-Kumskiy gidrouzly (Kama, Irkutsk, Kayrak-Kumy Hydroelectric Power Plants) and will be realized in the planned Cheboksarskiy and Plyavinskiy gidrouzly (Cheboksary and Plyavinyas Hydroelectric Power Plants). An additional method to save metal is to build smaller generators, as proposed by Professor B.K. Aleksandrov in 1955, for the Cheboksary GES-project. A smaller generator results in a larger spillway opening, which, in turn, effects a greater flow-through capacity. The "multiplicator" - a toothed transmission between the turbine shaft and that of the generator - serves also for scaling down the generator. A new gearing developed by Doctor of Technical Sciences M.L. Novikov is able to transmit power of up to several tens of thousands of kw at a rather high efficiency rate. Professor G.N. Petrov and Docent V.L. Lipkovskiy have developed a new combined generator-transformer

Ways to Improve the Design of River Bed-Type Hydroelectric Power Plants; For Discussion

for a voltage as high as 110 and even 220 kv. Professor B.K. Aleksandrov is working on lessening the weight of hydroelectric power plant bodies at the Moskovskoye otdeleniye instituta Gidroenergoproyekt or Mosgidep (Moscow Department of the Gidroenergoproyekt Institute) in which the above-mentioned principles are being taken into consideration. The authors present four diagrams of proposed power plant arrangements for the Cheboksary Hydroelectric Power Plant. They show that both the equipment weight and the volume of construction work can be considerably reduced. The new principles also hold true for the construction of locks for shipping. Diagram Nr 5 shows a cribwork wall consisting of two hollow reinforced concrete elements, the volume of which amounts to only 15-20% of a solid concrete wall. Diagram Nr 6 shows the cross section of lock-chamber walls

Ways to Improve the Design of River Bed-Type Hydroelectric Power Plants; For Discussion

developed according to the so-called "honeycomb" principle at the Mosgidep. Set up on the lock chamber's bottom and filled with sand, the new "honeycomb" structure brings an economy of 470% in concrete per running m in 2-way locks. There are 6 sets of diagrams.

Card 4/4

YEGOROV, N. A.

YEGOROV, N. A.: "The working of thick deposits of hard ores using systems with 'magazining'". Kiev, 1955. Min Higher Education USSR. Kiev Order of Lenin Polytechnic Inst. (Dissertations for the Degree of Candidate of Technical Sciences)

SO: Knizhnaya letopis', No. 52, 24 December, 1955. Moscow.

YEGOROV, N.A.

Working thick deposits of hard ores with shrinkage systems. (MIRA 15:5)
Sbor.trud.Inst.gor.dela AN URSR no.5:100-108 '58.
(Mining engineering)

YEGOROV, N.A.

Getting ore out of a stope area. Sbor.trud.Inst.gor.dela AN URSR no.5:109-113 '58. (MIRA 15:5)

(Ore handling)

YEGOROV, N.A.

Floating chute for loading skips. [from "Mine and Quarry Engineering," December 1959, "Mining Magazine, no.1, 1959, "Mining Equipment," nos.8-9, 1959]. Ugol' [illegible] 4, no.8:44 Ag '60. (MIRA 13:9)
(Mine hoisting)

YEGOROV, N.A.

Rapid shaft sinking by means of boring in the German Federal Republic. Ugol' Ukr. no.6:43 Je '61. (MIRA 14:7)
(Germany, West—Shaft sinking)

YEGOROV, N.A.

Pillar drawing in shrinkage stoping. Sbor.trud.Inst.gor.dela AN URSR no.8:11-21 '61. (MIRA 15:2)

(Stoping(Mining))

YEGOROV, N.A.

Drawing ore with an inclined contact. Sbor.trud.Inst.gor.dela AN URSR no.8:22-27 '61. (MIRA 15:2)
(Mining engineering)

YEGOROV, N.A.; BORISOVA, G.A., red.; GROMOV, A.S., tekhn. red.

[New types of vegetable markets; from the experience of the Moscow vegetable market] Novye tipy ovoshchnykh bazarov; iz opyta raboty torga Mosovoshch. Moskva, Gos.izd-vo torg.lit-ry, 1961. 44 p. (MIRA 14:11)

(Moscow—Vegetable trade)

YEGOROV, N.A.

Bar thread connections in long-hole drilling. Ugol' Ukr. 6 no.6:41-42 Je '62. (MIRA 15:7)
(Rock drills)

YEGOROV, N.A., kand.tekhn.nauk

Mercury industry in foreign countries. Met. i gornorud. prom. no.2:92-94 Mr-Ap '62. (MIRA 15:11)
(Mercury industry)

STARIKOV, N.A., akademik [deceased]; YEGOROV, N.A., kand.tekhn.nauk

Development of open-pit operations in the Ukraine. Gor. zhur. no.6:12-14 Je '62. (MIRA 15:11)

1. Institut gornogo dela AN UkrSSR, Kiyev.
(Ukraine—Strip mining)

YEGOROV, N.A.

Basic means of lowering rock pressure in workings of the drew horizon. Trudy Inst.gor.dela AN URSR no.11:82-88 '62.
(MIRA 16:2)

(Rock pressure) (Mining engineering)