

L 14506-65 ENG(j)/INT(n)/SPF(o)/SPF(n)-2/ENG(j)/F/ENG(o)/ZIA(1) Pc-4/Pr-4/Peb/  
Pu-4 ASD(a)-5/ASD(m)-3/AS(sp)-2/LETR/SSD(ys)/SSD(t) GO/RA

ACCESSION NR: AP4048201

S/0191/64/000/011/0013/0014

AUTHOR: Gromov, V. F., Khomikovskiy, P. M., Abkin, A. D.

TITLE: Effect of the addition of saturated hydrocarbons on the radiation polymerization  
of ethylene '1

SOURCE: *Plasticheskiye massy\**, no. 11, 1964, 13-14

TOPIC TAGS: radiation polymerization, ethylene, saturated hydrocarbon, polymer strength, polyethylene, Gamma radiation

ABSTRACT: The production of soluble polyethylene with satisfactory mechanical properties by radiation polymerization in the presence of low-molecular saturated hydrocarbons was investigated. Heptane and cyclohexane were used as additives and Co<sup>60</sup> as a radiation source. The experiment was carried out at 20C and 400 atm. with 3-24% by weight of heptane and a radiation dose of 65 rad./sec. The effect of the heptane content on the rate of polymerization and the molecular weight and properties of the resulting polymers was studied. Tabulated data show that for the same ethylene concentrations, increasing the heptane concentration increases the rate of polymerization considerably (especially at more than 6% heptane) and decreases the molecular weight (intrinsic

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viscosity). The variation in the polymer yield with irradiation time at 9.0-9.7% heptane content is plotted. In the presence of heptane, completely soluble polymers are obtained up to a degree of conversion of 70-80%, while radiation polyethylene prepared without additives contains insoluble fractions at a degree of conversion of only 30-50% and has a very low fluidity. The tensile strength depends slightly on the heptane concentration and remains in the range of 170-246 kg/cm<sup>2</sup>. The elongation at break is increased by an average of 600-700% as the heptane content increases from 3-10% by weight, but decreases considerably above 11-23% heptane. At about 10% heptane, the density is 0.96 and does not differ from that of polyethylene prepared without additives. Concerning the effect of cyclohexane, the best properties were obtained at 6.5% cyclohexane in the initial mixture. The radiation polymerization of ethylene is accompanied by the radiolysis of the polymer, which leads to the formation of branched and cross-linked polymers. Radiation polyethylene has a higher density and crystallinity than the low-pressure polyethylene. It was found that, in order to reduce the reactions leading to cross-linking during the radiation polymerization of ethylene, 10 w-molecular saturated hydrocarbons in an amount of 5-10% are very effective additives, resulting in polymers with good mechanical and flow properties. Orig. art. has: 1 figure and 1 table.

ASSOCIATION: None

Card 2/3

L 14506-65

ACCESSION NR: AP4048201

SUBMITTED: 00

ENCL: 00

SUB CODE: OC

NO REF SOV: 002

OTHER: 001

3/3

Card

158060

11.2210

25264

S/199/6 /003/007/008/001  
B101/B226

AUTHORS: Gromov, V. F., Khomikovskiy, P. M., Abkin, A. D.

TITLE: Copolymerization of acryl nitrile and ethylene under the effect of gamma radiation

PERIODICAL: Vysokomolekulyarnyye soyedineniya, v. 5, no. 7, 1961  
1015 - 1019

TEXT: The copolymerization of ethylene with acryl nitrile (AN) under the effect of gamma radiation of  $Co^{60}$ . 20.000 g-eps source, is studied. The tests were performed at 20°C in solution of toluene, the pressure of the ethylene being 10 to 45 kg/cm<sup>2</sup> and the intensity of the dose 50 rad/sec. The styrene obtained from ethanol contained the following impurities (in vol%): 0.05 propylene, 0.02 butadiene, 0.3 saturated hydrocarbons, 0.14 CO<sub>2</sub>, 0.01 O<sub>2</sub>. The AN had a boiling point increasing to 77.5 - 78.5°C. The polymerization was effected in steel ampullae with magnetic mixer. The ampullae were filled with AN dissolved in toluene, liberated from air by freezing and thawing in vacuum, and saturated with

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X

Copolymerization of acryl...

2526L

S/10/0/11.1/10/10/10/10  
B107/B120

ethylene under the above-mentioned pressure. The polymer suspensions obtained were rinsed with methanol, dried in vacuum, and then their content in nitrogen as well as their viscosity in dimethyl formamide at 26°C and with a concentration of the polymer of 0.5 to 0.7 g/dl. were determined. Data obtained: 1) for molar ratios of ethylene: AN = 0.1:0.9 and 0.5:0.5 the yield of polymer is linearly dependent on the time of polymerization required to achieve a 40% conversion. For a ratio of 0.7:0.3 the rate of polymerization increases up to 25% conversion and then decreases; 2) the intrinsic viscosity of the polymers increases with the degree of conversion; 3) with long radiation (about 20 hr and more) and a molar part of the AN > 0.5 the polymers become insoluble due to cross linking; 4) the rate of polymerization increases with increasing concentration of the AN; 5) for all ratios the polymer contains relatively more AN than the initial mixture. In the range of concentrations of the AN from 0.1 - 1.0 molar parts, the equation  $y = 0.718 + 0.046x + 0.0019x^2$  holds, wherein x is the content of AN in the initial mixture and y the content of AN in the polymer; 6) the calculated constants of copolymerization are:  $r_1(\text{AN}) = 7$ ,  $r_2 \approx 0$ . r, de-

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Copolymerization of acryl....

25264

S/190/61/003/007/006/021  
B101/B220

creases, however, if the content in AN exceeds 0.7 molar parts; 7) the following constants were calculated for the copolymerization of styrene with CO, based on the data given by M. Brubaker et al. (see below):  
 $r_2(\text{CO}) = 0.25$ ;  $r_2(\text{C}_2\text{H}_4) = 0.57$ . G. S. Kolesnikov, A. P. Suvrun, and T

A. Soboleva are mentioned. There are 7 figures, 2 tables and 10 references: 5 Soviet-bloc, and 5 non Soviet-bloc. The most important references to English-language publications read as follows: M. Brubaker, D. Coffman, H. Hoehn, J. Amer. Chem. Soc. 74, 1509, 1952; W. Kay, Industr. and Engng. Chem. 40, 1409, 1948.

ASSOCIATION: Fiziko-khimicheskiy institut im. L. Ya. Karpova (Physico-chemical Institute im. L. Ya. Karpev)

SUBMITTED: September 20, 1960

Card 3/3

GROMOV, V.G.

Application of Fourier's method of integral transformation to the problem of deformation of an infinite elastic medium by internal forces. Izv. vys. uch.zav.; mat. no.5:39-42 '62.  
(MIRA 15:9)

1. Shkhtinskiy pedagogicheskiy institut.  
(Fourier transformations) (Elasticity)

244200

S/140/62/000/005/003/004  
D237/D308

AUTHOR: Gromov, V.G.

TITLE: Problem of deformation of the infinite elastic sphere under internal forces, by the method of Fourier's integral transformation

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Matematika, no. 5, 1962, 39 - 42

TEXT: The author applies three-dimensional Fourier transforms to the equations of the title problem and subsequently obtains a general expression for the displacement of the medium. The formula gives a well-known result in the case of a single concentrated force. It is stated that the final expression can also be obtained by constructing the Green's tensor. /B

ASSOCIATION: Shakhtinskiy pedagogicheskiy institut (Shakhtinskiy Pedagogical Institute)

SUBMITTED: October 13, 1959

Card 1/1



L 11258-63 EWP(r)/EWT(m)/BDS--AFFTC--EM/DE  
ACCESSION NR: AP3000883 S/0179/63/000/002/0081/0086

AUTHOR: Gramov, V. G., Tolokonnikov, L. A. (Tula)09

54  
52

TITLE: Contribution to the calculation of approximations in the problem of finite planar deformations of incompressible material

SOURCE: AN SSSR. Izv. Otd. tekhn. nauk. Mekhanika i mashinostroyeniye, no. 2, 1963, 81-86

TOPIC TAGS: nonlinear elasticity theory, nonlinear elasticity approximations, nonlinear deformations of incompressible material, stress concentration, solid-propellant rocket stresses

ABSTRACT: Theoretical paper extends the investigations previously undertaken by the second author (in Akad. nauk SSSR, Dokl., v. 119, no. 6, 1958; and PMM, v. 23, no. 1, 1959) relative to the problem of ultimate planar deformations of an incompressible material. The study established a relationship between the stress function and a complex function of the displacements, obtains a simplified formulation of the boundary conditions, adduces formulas for the calculation of

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L 11258-63

ACCESSION NR: AP3000883

the first 3 approximations, and examines the problem of the stress concentrations occurring in the vicinity of a circular cylindrical cavity within an infinitely extended body.<sup>1/2</sup> In particular, the paper examines the case in which the magnitude of the stress in one direction exceeds the magnitude of the stress at infinity in another direction. Here it is established that if, in addition to the classical solution, only the first approximation is taken into account, then, depending on the relationship between the stress at infinity, the new method may lead either to a reduction or to an increase of the stress concentration factor as compared with the classical solution. In this problem the effect of the deformation of the contour on the stress distribution in the vicinity of the cavity is substantial. The decrease in the stress-concentration factor, in comparison with that obtained with the classical solution in tension and its magnification in compression, is readily explained by the effect of the deformation of the contour. The curvature of the contour at the maximal-stress point is reduced by stretching and increased by compression. There are 42 numbered equations.

ASSOCIATION: none

SUBMITTED: 27Dec62      DATE ACQ: 12Jun63      ENCL: 00

SUB CODE: FL, GM, PR, AP      NR REF SOV: 004      OTHER: 00

Card <sup>1b/Am</sup> 2/2

GROMOV, V.G. (Moskva)

Using three-layer differential chart in solving the equations of a  
boundary layer. Izv.AN SSSR.Mekh. i mashinostr. no.5:124-133 S-0  
'63. (MIRA 16:12)

L 32925-65 EWT(m)/EWP(w)/EPR EM

ACCESSION NR: AP5006987

S/0198/65/001/001/0032/0038

AUTHOR: Gromov, V. G. (Rostov-na-Donu)

TITLE: Stress concentration around a cylindrical (circular) cavity

SOURCE: Prikladnaya mekhanika, v. 1, no. 1, 1965, 32-38

16  
15  
B

TOPIC TAGS: stress concentration, tensile stress, compressive stress, nonlinearity

ABSTRACT: The problem of stress concentration around a cylindrical cavity in a body of infinite dimensions was studied analytically. First, the axisymmetric stress state is considered as given by  $\sigma_1^{\infty} = \sigma_2^{\infty} = \pm p$ , with two characteristic physical nonlinearities  $\tau_1 = G \ln \mathcal{E}$ ;  $\tau_2 = G \operatorname{sh} \mathcal{E}$  ( $G = \text{const}$ ), where  $\tau_1$  is actual stress ( $\sigma$ ) intensity, and  $\mathcal{E}$  is the intensity of logarithmic elongation deformation  $\mathcal{E} = \ln \frac{r^2}{r_0^2 + C_1}$ .

A pair of expressions is then obtained for stress concentration coefficients

$$* = \frac{2\sqrt{1.5}}{\mu} \frac{|(1+c_0)^2 - 1|}{(1+c_0)^2 + 1}; \quad * = \frac{\sqrt{1.5}}{\mu} \left| 1 + c_0 - \frac{1}{1+c_0} \right|$$
 which are transcendental in

nature. A second analysis is made with a homogeneous stress state at infinity  $\sigma_1^{\infty} = \pm P$ ;  $\sigma_2^{\infty} = \pm Q$ . The above results are then simplified to cases of uniform

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L 32925-65

ACCESSION NR: AP5006987

tension or compression ( $P = Q = p$ ) and to tension in one direction and compression on the other. The stress concentrations obtained in this manner are compared numerically to the solution of the transcendental equations. The agreement is found to be good. The stress diagram for the case corresponding to  $\sigma_1^{\infty} = \pm p$ ;  $\sigma_2^{\infty} = 0$  is given in Fig. 1 on the Enclosure. The dotted lines correspond to the linear theory and the solid lines to the nonlinear theory. The difference is attributed primarily to changes in the radius of curvature of the cavity contour included in the nonlinear analysis. Orig. art. has: 40 equations, 3 figures, and 1 table.

ASSOCIATION: Rostovskiy-na-Donu gosudarstvennyy universitet (Rostov-on-Don State University)

SUBMITTED: 16Jan64

ENCL: 01

SUB CODE: ME

NO REF SOV: 004

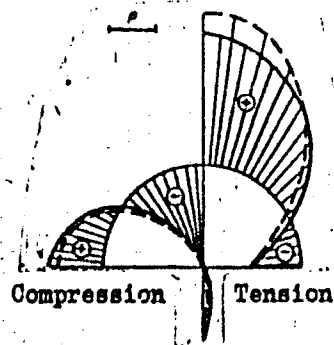
OTHER: 000

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L 32925-65

ACCESSION NR: AP5006987

ENCLOSURE: 01



0

Fig. 1.

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L 9620-66 EWT(d)/EWT(m)/EWP(L)/T IJP(c) EM

ACC NR: AP6000237

SOURCE CODE: UR/0198/65/001/010/0015/0020

AUTHOR: <sup>44, 55</sup> Gromov, V. G. (Rostov-na-Donu)

51  
B

ORG: <sup>44, 55</sup> Rostov-on-Don State University (Rostovskiy-na-Donu gosudarstvennyy universitet)

TITLE: On the effect of physical nonlinearity on stress concentration along a hole under large deformations

SOURCE: Prikladnaya mekhanika, v. 1, no. 10, 1965, 15-20

TOPIC TAGS: stress analysis, stress concentration, nonlinear mechanics, complex stress, complex function, approximation method

ABSTRACT: <sup>11.44.55</sup> As a continuation of the previous work by the author (see, for example, Prikladnaya mekhanika, T. I., v. 1., 1965), relationships are obtained to define a class of quasi-linear shape change laws. To this end, the effect of physical nonlinearities is analyzed on the stress concentration around circular holes in the presence of planar deformation. The physical nonlinearity is defined by

$$\tau_1 = G(\varepsilon + g\varepsilon^2 + \dots); \quad G, g = \text{const}$$

with the corresponding laws

$$\tau_1 = G(h\varepsilon); \quad \tau_1 = Gsh\varepsilon.$$

To study the shape changes, an approximate solution is considered using a small parameter expansion  $\tau_1/G$ . On this basis expressions are derived for the stress function U and complex deformation function V. The third approximation in U takes the

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L 9620-66  
ACC NR: AP6000237

form 
$$uJ^* = -\frac{1}{4} \operatorname{Re} [(z\bar{\varphi}_0' + \psi_0)(z\bar{\varphi}_1' + \bar{\varphi}_1) - \varphi_0\bar{\varphi}_1 + 1]$$
 such that the static and kinematic boundary conditions remain independent of the physical nonlinearities. To study the nonlinearity effects on the stress concentration the following type of an expansion is carried out up to third order

$$\varphi_0 = \frac{3}{2}z + i\frac{R^3}{z}; \quad \psi_0 = -iz - s\frac{R^3}{z} + i\frac{R^4}{z^2}$$

and expressions are derived for the stresses  $\sigma_2$ . Under pure compression and for  $\varphi = \pi/2$  this yields

$$\tilde{\sigma}_2 = \pm \frac{4}{9\sqrt{1.5}} \left( \frac{3}{16} - \nu \right) = \pm \frac{4}{9\sqrt{1.5}} \left( \frac{7}{48} + g \right)$$

which shows that for  $g > -7/48$   $\sigma_2$  is greater than that obtained by the first two approximations. The stress at various points along the hole contour yields

$$\tilde{\sigma}_2 = \pm 2\sqrt{1.5}p \left[ \frac{1}{\sqrt{1.5}} \pm \frac{1}{6}\mu + \frac{4}{9\sqrt{1.5}} \left( \frac{7}{48} + g \right) \mu^2 + \dots \right]$$

A similar expression is derived for the case of pure shear, and the merits of the third approximation are discussed. Orig. art. has: 26 equations.

SUB CODE: 20/ SUBM DATE: 01Apr65/ ORIG REF: 004

Card <sup>gc</sup> 2/2



L 26138-66 EWT(m)/EFF(n)-2/EWP(j)/T/EA(A)/EWA(1) LIP(c) WJ/K/SB  
ACC NR: AP6015061 (A) SOURCE CODE: UR/0190/66/008/005/0961/0962

AUTHOR: Bruk, M. A.; Gromov, V. F.; Chernyak, I. V.; Khomikovskiy, P. M.; Abkin, A. D.

ORG: None

TITLE: Radiation-induced polymerization<sup>1</sup> of tetrafluoroethylene<sup>1</sup> and acrylonitrile<sup>1</sup> at 4.2 K <sup>19</sup> 28  
B

SOURCE: Vysokomolekulyarnyye soedineniya, v. 8, no. 5, 1966, 961-962

TOPIC TAGS: tetrafluoroethylene, acrylonitrile, bulk polymerization, low temperature polymerization

ABSTRACT: Polymers of tetrafluoroethylene or acrylonitrile have been prepared by bulk radiation-induced polymerization of the monomers at 4.2 K. Molten monomer samples were frozen at a given rate in liquid nitrogen, placed in a cryostat with liquid helium, and irradiated. Defrosting of the samples was conducted under conditions which excluded post-polymerization. The authors assume that in the course of polymerization of the monomers at low temperatures the bulk temperature of the samples does not determine the character of the polymer chain formation, which takes place in "hot" regions. The polymer chains grow before relaxation of the vibration excitation of molecules in "hot" regions has time to occur. The authors also assume that polymerization follows the cooperative mechanism which does not require activation for the addition of individual monomer molecules. Orig. art. has: 1 figure. [B0] 2

SUB CODE: 07, 11/ SUBM DATE: 06Jan66/ ORIG REF: 003/ OTH REF: 001/ ATD PRESS 425/  
Card 1/20

L 30960-66 EWP(m)/EWP(j)/EWT(1)/EWT(m)/ETC(m)-6/I/EWA(1) IJP(c) RM/WW/JW/DJ

ACC NR: AP6013191 SOURCE CODE: UR/0421/66/000/002/0003/0009 176

AUTHOR: Gromov, V. G. (Moscow) 12 B

ORG: none

TITLE: Chemically nonequilibrium laminar boundary layer in dissociated air

SOURCE: AN SSSR. Izvestiya. Mekhanika zhidkosti i gaza, no. 2, 1966, 3-9

TOPIC TAGS: supersonic aerodynamics, laminar boundary layer, equilibrium flow, nonequilibrium flow, dissociation, dissociated gas, transport phenomenon, frozen flow, difference method

ABSTRACT: A laminar boundary layer on an axisymmetric blunted body in dissociating air flow is considered with nonequilibrium homogeneous chemical reactions taken into account. It is assumed that equilibrium excitation of the internal degrees of freedom of the mixture components is taking place. A system of boundary layer equations in nondimensional form is analyzed and boundary conditions are established under certain assumptions. The transport coefficients and mass diffusion fluxes were calculated by approximating formulas based on the kinetic theory of gases derived previously by the author. The specific

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ACC NR: AP6013191

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enthalpies  $h_i$ , heat capacities  $c_{pi}$ , and logarithms of the equilibrium constants of chemical reactions were calculated from the tables of thermodynamic properties of gases. The solution was sought by means of a nine-point, three-level difference scheme which made it possible to carry out calculations without varying the net parameters in the whole range of flow regimes from equilibrium to frozen. The results from calculating the boundary layer on a cone with spherical bluntness and a semiapex angle of  $10^\circ$  in a mixture of N, O, NO, O<sub>2</sub> and N<sub>2</sub> are given in graphs with six chemical reactions taken into account for two radii of bluntness and values of  $p^a = 8.495$  atm,  $T^a = 8340$ K at the stagnation point,  $T_w = 2500$ K, and  $M = 25$ ,  $p = 10^{-2}$  atm, and  $T = 250$ K before the shock wave). Under these conditions, the boundary flow regime is near equilibrium in the stagnation region. A solution is also obtained for the case of frozen chemical reactions. The results obtained here are in good agreement with those obtained by Kemp, Rose, and Dettra. Calculations made for a boundary layer on a body of revolution whose contour is given in Cartesian coordinates by the equation  $(x/L)^{10} + (y/L)^{10} = 1$  show that the difference between friction parameters  $C_f/\sqrt{R_x}$  with and without chemical reactions taken into account is not greater than 12%. The author expresses his gratitude to G. I. Petrov for his guidance of the present work. Orig. art. has: 10 figures and 12 formulas. [AB]

SUB CODE: 20/ SUBM DATE: 14Oct65/ ORIG REF: 007/ OTH REF: 002/ AID PRESS: 4241  
Card 2/2 (1)

GROMOV ,V. I.

Utilization of water power; textbook Moskva, Gos. izd-vo sel'khoz.  
lit-ry, 1952. 391 p. (Uchebniki i uchebnye posobia dlia sel'sko 'hoziaistvennykh  
tekhnikumov) (52-34574)

TK1081.G7

~~GRUPOV~~ ~~Mezily~~ Ivanovich, dotsent; FLEKSER, Yakov Nikolayevich, kandidat  
tekhnicheskikh nauk; RYABYSHEV, M.G., redaktor; PAVLOVA, M.Y.,  
tekhnicheskiy redaktor

[Rural hydroelectric power stations] Sel'skie gidroelektrostantsii.  
Izd. 2-oe, ispr. i dop. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1956.  
503 p. (MIRA 10:10)  
(Hydroelectric power stations)

RUTMAN, D.S.; MAYKIROVSKIY, Yu.V.; GROMOV, V.I.

A 5000 T. hydraulic press for making large elements.  
Ogneupory 26 no.8:345-350 '61. (MIRA 14:9)

1. Podol'skiy zavod ogneupornykh izdeliy.  
(Hydraulic presses) (Refractory materials)

GROMOV, V., kand.tekhn.nauk

Secure a proper maintenance of parquet floors. Zhil.-kom. khoz.  
10 no.5:20-22 '60. (MIRA 13:10)  
(Parquet floors)

GROMOV, Viktor Ivanovich; POTEYKIN, Levkim Petrovich;  
SHASKOL'SKIY, Igor' Pavlovich; SLOBOZHAN, I.I., red.;  
TIKHONOVA, I.M., tekhn. red.

[Priozersk; historical sketch: Korela-Kexholm-Priozersk]  
Priozersk; istoricheskii ocherk: Korela-Keksgol'm-Pri-  
ozersk. Izd.2., ispr. i dop. Leningrad, Lenizdat, 1963.  
144 p. (MIRA 16:6)

(Priozersk--History)



GROMOV, V. I.

Concise Systematic and Stratigraphic Summary of Quarternary Mammals  
Sborn. 'Akad. V. A. Obruchev' Vol 2, 1939

SO: Trudy Arkitcheskogo Nauchno-Issledovatel'skogo Instituta, GUSMF  
Council of Ministers, Vol 201, 1948

GROMOV, V. I.

"On the Most Recent Tectonics of the European and Asiatic Parts of the USSR,"  
Iz. Ak. Nauk SSSR, Ser. Geol., No.2, 1947

"Paleontological and Archaeological Basis of the Stratigraphy of the Continental  
Deposits of the Quaternary Period in the Territory of the USSR," 1948

"The Prehistoric Earth," 1948

USSR/Geology - Geological Prospecting      Jan/Feb 50  
Academy of Sciences

"Progress and Problems of Quaternary Geology in the USSR During the Stalin Five-Year Plans," V. I. Gro-mov, K. V. Nikiforov, 6 pp

"Iz Ak Nauk SSSR, Ser Geol" No 1

The Commission on Study of the Quaternary Period was organized in 1927 to initiate and coordinate studies in this field. Later, divisions were organized in the former Geol Committee in Leningrad and in the Commission of Geol Sci, Acad Sci USSR. A Quaternary Commission was organized in Acad Sci Ukrainian SSR and some work

156T35

USSR/Geology - Geological Prospecting      Jan/Feb 50  
(Contd)

In this field was done at Acad Sci Belorussian SSR. Commission organized 46 expeditions in European USSR and Caucasus to draw up International Quaternary Map in the 3 years between second and third International Quaternary Conferences.

156T35

GROMOV, V. I.

Geller, V. I.

On the history of the Earth Iza. 2., perer. Moskva, Gos. izd-vo tekhn.-teoret.  
lit-ry, 1951. 63 p. (Nauchno-populiarnaya biblioteka, vyp.7)

GROMOV, V I

8/5  
735.9  
.93

Ispol'zovaniye Vodnoy Energii (Utilization of Water Power, by) V. I.  
Gromov i Ya. N. Flakser. Moskva, Sel'Khozgiz, 1952.  
391 p. Illus., Diagr., Tables  
(Uchebniki i Uchebnyye Posobiya Dlya Sel'skokhozyaystvennykh Tekhnikumov)

GROMOV, V. I.

"Taphonomy and the Geological Chronicle," I. A. Yefremov. Reviewed by V. I. Gromov,  
Byul. MOIP Otdel Geol., 27, No.3, 1952

GROMOV, V.I.

First find from the early Paleolithic on the Volga. *Biul.MOIP. Otd.geol. 28*  
no.3:64 '53. (*MLRA 6:11*)  
(Volga valley--Stone Age) (Stone Age--Volga valley)



*GROMOV, V.I.*

USSR/ Geology - Book review

Card 1/1 Pub. 46 - 16/19

Authors : Gromov, V. I.

Title : F. P. Yefimenko's book entitled, "Primeval World"

Periodical : Izv. AN SSSR. Ser. geol. 3, 158 - 159, May - Jun 1954

Abstract : Critical review is presented of P. P. Yefimenko's book entitled, "Primeval World," which describes the history of the paleolithic period.

Institution: .....

Submitted: February 13, 1954

GROMOV, V. I.

USSR/ Scientific Organization - Conferences

Card 1/1 Pub. 46 - 19/19

Authors : Gromov, V. I.

Title : Conference on the stratigraphy of Quarternary deposits

Periodical : Izv. AN SSSR. Ser. geol. 5, 179 - 182, Sep - Oct 1954

Abstract : An account is given of a conference called by the Committee for the Study of the Quarternary Period, the Institute of Geology and the Geographic Institute of the Academy of Sciences of the USSR, which lasted from the 5th to the 16th of May, 1954. Fourteen papers were read and three excursions were made. The conference was attended by 380 persons. A resolution was passed to establish a single stratigraphic scale for the Quarternary deposits for the whole territory of the USSR.

Institution: .....

Submitted: July 2 1954

Gromov, V. I.

USSR/Geology - Conferences

Card 1/1 Pub. 124 - 17/26

Authors : Gromov, V. I., Dr. of Geol. Mineral. Sc.

Title : ~~Stratigraphy of quaternary deposits~~  
The stratigraphy of quaternary deposits

Periodical : Vest. AN SSSR 12, 77-79, Dec 1954

Abstract : Minutes are presented of a meeting held at the Geological-Geographical Institute of the Academy of Science, at which the stratigraphy of quaternary era deposits was explained.

Institution : ...

Submitted : ...

GROMOV, Valeryan Innokent'yevich

[From the earth's past] Iz proshlogo zemli. Izd. 3-e, Moskva, Gos.  
izd-vo tekhniko-teoreticheskoi lit-ry, 1955. 63 p. (Nauchno-  
prosvetitel'naya biblioteka, no.6) (MLRA 10:3)  
(Barth)

GROMOV, Valerian Innokent'yevich, professor, doktor geologo-mineralogicheskikh nauk; KADER, Ya.M., redaktor; SOROKIN, V.V., tekhnicheskiy redaktor

[From earth's past] Iz proshlogo zemli. Moskva, Voen.izd-vo Ministerstva obr. SSSR, 1955. 71 p. (MIRA 9:3)  
(Paleontology)

YAKOVLEV, S.A.; APUKHTIN, N.I.; BOCH, S.G.; VOZNESENSKIY, D.V.; GROMOV,  
V.I.; ZHUKOV, M.M.; KRASNOV, I.I.; LUNGERSGAUZEN, G.F.;  
PERKINS, V.A.; POKROVSKAYA, I.M.; HUDOVITS, Yu.L. [deceased];  
SELENOVA, A.S.; SHARKOV, V.V.; EPSHTEYN, S.V.; YAKOVLEVA, S.V.;  
VERSTAK, G. V. redaktor; GUROV, O.A., tekhnicheskiy redaktor.

[Methodical aid for studying and geological surveying of  
quaternary deposits; description of methods] Metodicheskoe  
rukovodstvo po izucheniu i geologicheskoi s<sup>o</sup>emke chetvertichnykh  
otlozhenii; opisaniye metodov. Sost.S.A.Iakovlev. Moskva, Gos.  
nauchno-tekhn.izd-vo lit-ry po geologii i okhrane neдр, 1955.  
485 p. [Microfilm] (MLRA 9:1)

1. Leningrad. Vsesoyuznyy geologicheskii institut.  
(Geological surveys) (Geology, Stratigraphic--Quaternary--  
Study and teaching)

15-1957-12-16948  
Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 12,  
p 40 (USSR)

AUTHOR: Gromov, V. I.

TITLE: Archeological Method (Arkheologicheskiy metod)

PERIODICAL: V sb: Metod. rukovodstvo po izucheniyu i geol. s"yemke  
chetvertich. otlozheniy, Ch 2, Moscow, Gosgeoltekhiz-  
dat, 1955, pp 127-133

ABSTRACT: Bibliographical entry

Card 1/1

ZOLOTAREV, M.A.; PIDOPLICHKO, I.G.; FEDOROV, P.V.; VASIL'YEV, V.N.; IVANOVA, I.K.; GROMOV, V.I.; SOKOLOV, D.S.; ZHIRMUNSKIY, A.M.; PARMUZIN, Yu.P.; PLYUSHIN, I.I.; KATS, N.Ya.; GRICHUK, V.P.; YEFREMOV, Yu.K.; MOSKVITIN, A.I.; LEBEDEV, V.D.; TEODOROVICH, G.I.; ZVORYKIN, K.V.; MIKHNOVICH, V.P.; GALITSKIY, V.V.; MAKSEYEV, P.S.; NIKIFOROVA, K.V.; GORDEYEV, D.I.; YANSHIN, A.L.; DUMITRASHKO, N.V.; SHANTSER, Ye.V.; P'YAVCHENKO, N.I.; FLEBOV, K.K.; PIDOPLICHKO, I.G., doktor biologicheskikh nauk, professor.

Papers presented at the conference on the history of Quaternary flora and fauna in relation to the development of Quaternary glaciation.  
Trudy Kem.chetv.per. 12:129-189 '55. (MIRA 9:4)

1.Gidrometeosluzhba (for Zolotarev).2.Zoologicheskiy institut AN USSR (for Pidoplichko).3.Institut okeanologii AN SSSR (for Fedorov).4.Botanicheskiy institut AN SSSR (for Vasil'yev).5.Komissiya po izucheniyu chetvertichnogo perioda AN SSSR (for Ivanova).6.Institut geologicheskikh nauk AN SSSR (for Gromov, Yanshin, Nikiforova, Moskvitin).7.Moskovskiy geologo-razvedochnyy institut imeni Ordzhonikidze (for Sokolov).8.Akademiya nauk Belorusskoy SSR (for Zhirmunskiy).9.Moskovskiy institut inzhenerov vodnogo khozyaystva (for Plyushin).10.Geograficheskiy fakul'tet Moskovskogo gosudarstvennogo universiteta (for Yefremov, Parmuzin).11.Moskovskiy gosudarstvennyy universitet (for Lebedev, Zvorykin).12.Institut nefti AN SSSR (for Teodorovich).13.Transproektkar'yer Ministerstva putey soobshcheniya (for Mikhnovich).14.Vsesoyuznyy aerogeologicheskiy trest (for Galitskiy).15.Sovet po izucheniyu proizvoditel'nykh sil AN SSSR (for Makseyev).

(Continued on next card)



ZOLOTAREV, M.A.----(continued) Card 2.

16.Laboratoriya gidro-geologicheskikh problem AN SSSR (for Gordeyev).

17.Institut geografii AN SSSR (for Dumitrashko, Grichuk).

(Paleontology) (Paleobotany) (Glacial epoch)

APUKHTIN, N.I.; BOGRETSOVA, T.B.; BOCH, S.G. [deceased]; GENESHIN, G.S.;  
GOLUBEVA, L.V.; GROMOV, V.I.; KHARAYEV, I.I.; MIKHAYLOV, B.M.;  
NIKIFOROVA, K.V.; NIKOLAYEV, N.I.; POKROVSKAYA, I.M.; POPOV, V.V.;  
PRINTS, R.N.; RAVSKIY, E.I.; SHANTSER, Ye.V.; EPSHTEYN, S.V.;  
YAKOVLEVA, S.V.; FEODOT'YEV, K.M., redaktor izdatel'stva; KASHINA,  
P.S., tekhnicheskiy redaktor

[Concise field manual for a comprehensive geological survey of the  
Quaternary] Kratkoe polevoe rukovodstvo po kompleksnoi geologiches-  
skoi s"emke chetvertichnykh otlozhenii. Sost. N.I. Apukhtin i dr.  
Moskva, 1957. 201 p. (MLR 10:9)

1. Akademiya nauk SSSR. Geologicheskii institut. 2. Moskovskiy  
geologo-razvedochnyy institut (for Shantser). 3. Geologicheskii  
institut Akademii nauk SSSR (for Nikiforova, Ravskiy, Golubeva)  
3. Vsesoyuznyy Nauchno-issledovatel'skiy geologicheskii institut  
Ministerstva geologii i okhrany nedr SSSR (for Ganeshin, Bogretsova,  
Mikhaylov). 4. Voenno-inzhenernaya akademiya im. Kuybysheva (for  
Popov). 5. Treest "Mosgeolnerud" (for Prints). 6. Severo-Zapadnoye  
geologicheskoye upravleniye (for Apukhtin)  
(Geology, Stratigraphic)

BRINOV, V.T.

SAPIANO, Tat'yana Alekseyevna; KORZHINSKIY, D.S., akademik, redaktor;  
BORNEMAN, I.D., doktor geologo-mineralogicheskikh nauk, redaktor;  
VAKHRAMEYEV, V.A., doktor geologo-mineralogicheskikh nauk,  
redaktor; ~~GRONOV, K.I.~~, doktor geologo-mineralogicheskikh nauk,  
redaktor; KELLER, B.W., doktor geologo-mineralogicheskikh nauk,  
redaktor; LEBEDEV, A.P., doktor geologo-mineralogicheskikh nauk,  
redaktor; KHAIN, V.Ye., doktor geologo-mineralogicheskikh nauk,  
redaktor; SHTRAYNS, N.A., doktor geologo-mineralogicheskikh nauk,  
redaktor; YABLONOV, V.S., kandidat geologo-mineralogicheskikh nauk,  
redaktor; MERKLIN, R.L., kandidat biologicheskikh nauk, redaktor;  
VAYSMAN, L.S., nauchnyy sotrudnik, redaktor; SLAVYANOVA, N.F.,  
nauchnyy sotrudnik, redaktor; LEPESHINSKAYA, Ye.V., redaktor;  
TUMARKINA, N.A., tekhnicheskiiy redaktor

[English-Russian geological dictionary] Anglo-russkii geologicheskii  
slovar'. Pod red. D.S.Korzhinskogo i dr. Moskva, Gos. izd-vo  
tekhniko-teoret.lit-ry, 1957. 528 p. (MIRA 10:7)

(English language--Dictionaries--Russian)  
(Geology--Dictionaries)

SUKACHEV, V.N.; GROMOV, V.I.; NIKOLAYEV, N.I.; NIKIFOROVA, K.V.; IVANOVA,  
I.K.; SHANTSER, Ye.V.; POPOV, V.V.; GRICHUK, V.P.; FEDOROV, P.V.;  
GORETSKIY, G.I.

Vladimir Afans'evich Obruchev. Biul. Kom. chetv. per. no.21:3-4  
'57. (MLBA 10:6)  
(Obruchev, Vladimir Afanas'evich, 1863-1956)

11-58-5-1/16

AUTHORS: Gromov, V.I.; Krasnov, I.I.; Nikiforova, K.V.

TITLE: ~~\_\_\_\_\_~~  
Basic Principles of Stratigraphic Subdivision of the Quaternary System and Its Lower Boundary (Osnovnyye printsipy stratigraficheskogo podrazdeleniya chetvertichnoy sistemy i yeye vyzhnyaya granitsa)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Geologicheskaya, 1958, Nr 5, pp 3-12 (USSR)

ABSTRACT: This is a lecture delivered by the authors at the Fifth Congress of the International Association on the Study of the Quaternary Period. The Congress took place in Madrid in September 1957. There are 2 tables.

ASSOCIATION: Geologicheskii institut AN SSSR, Moscow (Geological Institute of AS USSR, Moscow)

SUBMITTED: 16 November 1957

AVAILABLE: Library of Congress

Card 1/1 1. Geology-Conference 2. Quaternary period

Gromov, V. I.

AUTHORS: Gromov, V.I.; Shantser, Ye.V. 11-58-5-2/16

TITLE: The Geological Age of the Paleolith in the USSR (O geologicheskoy vozrasty paleolita v SSSR)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Geologicheskaya, 1958, Nr 5, pp 13-22 (USSR)

ABSTRACT: This is a lecture delivered by the authors at Fifth Congress of the International Association for the Study of the Quaternary period. The Congress took place in Madrid in September 1957. There are 36 references, 25 of which are Soviet, 2 French, 6 German and 3 Rumanian.

ASSOCIATION: Geologicheskii institut AN SSSR, Moscow (Geological Institute of AS USSR, Moscow)

SUBMITTED: 20 December 1957

AVAILABLE: Library of Congress

Card 1/1 1. Geology-Conference 2. Quaternary period 3. Paleoecology

*Gromov, V.I.* 98-58-5-4/33

AUTHOR: Gromov, V.I., Engineer, and Tkachenko, P.E., Candidate of Technical Sciences

TITLE: The Passing of Discharges Through the Water Pipes of Turbine Units During Construction at the Irkutsk Hydroelectric Power Plant (Prepusk stroitel'nykh raskhodov cherez vodovody turbinnykh blekov Irkutskoy GES)

PERIODICAL: *Gidrotekhnicheskoye Stroitel'stvo*, 1958, Nr 5, pp 17-22(USSR)

ABSTRACT: The comparison of laboratory and actual observations makes it possible to determine the general regularity of hydraulic processes with respect to unfinished turbine units and in making decisions for their utilization in the planning of projects. The Irkutskaya gidrostantsiya (Irkutsk Hydroelectric Power Plant) projected by Chief Engineer G.K. Sukhanov of the Moskovskoye otdeleniye instituta "Gidroenergoprojekt" (Moscow Branch of the "Gidroenergoprojekt" Institute), has turbine units of different design and therefore they are suitable for carrying out hydraulic investigations. In figure 1, three turbine units of different design are shown. After

Card 1/2

98-58-5-4/33

The Passing of Discharges Through the Water Pipes of Turbine Units During Construction at the Irkutsk Hydroelectric Power Plant

examining the different types, the 2nd turbine unit must be regarded as the most suitable, for it ensures favorable hydraulic conditions for the passing water current. A turbine unit of this type is also the most appropriate with respect to the second stage of the concrete work to be performed. Furthermore the study of hydraulic processes is possible by using water pipe models of hydrotechnical construction. The best material for these models is organic glass, for it offers the possibility of observing the stream inside the water pipes.

There are 4 figures, and 1 table.

AVAILABLE: Library of Congress

Card 2/2



AUTHORS: Gromov, V.I.; Ivanova, I.K. 11-58-5-14/16

TITLE: All-Union Interdepartmental Conference on the Study of the Quaternary Period (Vsesoyuznoye mezhdovedomstvennoye soveshchaniye po izucheniyu chetvertichnogo perioda)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Geologicheskaya, 1958, Nr 5, pp 145-146 (USSR)

ABSTRACT: The above mentioned conference was called by the Geologo-Geographic Section of the USSR Academy of Sciences and other related institutions. It took place in Moscow and Leningrad from May 16th to June the 2nd 1958. About 500 persons, representing 144 organizations participated in the Congress with 220 reports being read. Representatives of the Peoples' Republics were as follows: Rumania - E. Lityanu; Bulgaria - Zh. Gybylov; Poland - Ya. Dylik; Chechoslovakia - V. Ambroz and K. Zhebera; Democratic Republic Germany - I. Gellert; Hungary - M. Kretsoy; and China - by Pey-Ven-Chzhun and Lyu-Tun-Shin, all professors.

AVAILABLE: Library of Congress

Card 1/1 1. Geology-Conference 2. Quaternary period

RAVSKIY, Edmund Iosifovich; GROMOV, V.I., otv.red.; IASHENETSKIY, A.I.,  
red.izd-va; MARKOVICH, S.G., tekhn.red.

[Geology of Mesozoic and Cenozoic sediments and the diamond  
potential of the southern part of the Tunguska Basin] Geologia  
mezozeiskikh i kainozeiskikh otlozhenii i almazonosnost' iuga  
Tunguskogo basseina. Moskva, Izd-vo Akad. nauk SSSR, 1959. 177 p.  
(Akademiia nauk SSSR, Geologicheskii institut. Trudy, no.22)  
(Tunguska Valley--Geology, Stratigraphic)  
(Tunguska Valley--Diamonds) (MIRA 12:9)

GROMOV, Viktor Ivanovich; FAYNSHTEYN, Lyubov' Aleksandrovna; BESSMERTNYI,  
A.S., red.; SMIRNOV, P.S., tekhn.red.

[Memorable places of Leningrad Province] Pamiatnye mesta Lenin-  
gradskoi oblasti. Leningrad, Lenizdat, 1959. 487 p. (MIRA 12:11)  
(Leningrad Province--Guidebooks)

BOYTSOVA, Ye.P.; VITTENBURG, P.V.; GANESHIN, G.S.; GROMOV, V.I.; ZUBAKOV,  
V.A.; IVANOVA, I.K.; KRASHOV, I.I.; LUNGFERSGAUZEN, G.F.;  
NIKIFOROVA, K.V.; POKROVSKAYA, I.M.; CHEMEKOV, Yu.F.; EPSHTEYN,  
S.V.; YAKOVLEVA, S.V.

Sergei Aleksandrovich Iakovlev; obituary. Biul.Kom.chetv.per.  
no.23:97-101 '59. (MIRA 13:5)  
(Iakovlev, Sergei Aleksandrovich, 1879-1957)  
(Geology)

GROMOV, V.I., doktor geologo-mineral. nauk

Basic problems in the geology of the Quaternary. Vest. AN SSSR  
29 no.6:40-43 Je '59. (MIRA 12:5)  
(Geology, Stratigraphic)

ARKHIPOV, Stanislav Anatol'yevich; GROMOV, V.I., otv.red.; GALUSHEK, Ya.A.,  
red.izd-va; POLYAKOVA, T.V., tekhn.red.

[Quaternary stratigraphy, neotectonics, and paleogeography of  
the central Yenisey Valley] Stratigrafiia chetvertichykh  
otlozhenii, voprosy neotektoniki i paleogeografii basseina sred-  
nego techeniia Eniseia. Moskva, Izd-vo Akad.nauk SSSR, 1960.  
170p. (Akademiia nauk SSSR. Geologicheskii institut. Trudy, no.30.)  
(Yenisey Valley--Geology) (MIRA 13:3)

GROMOVA, Vera; GROMOV, V.I., otv.red; NIKITINA, O.G., red.izd-va; VOLKOVA,  
V.V., tekhn.red.

[Key for the identification of mammals of the U.S.S.R. by skeletal  
bones] Opredelitel' mlekopitalushchikh SSSR po kostiam skeleta.  
Moskva, Izd-vo Akad. nauk SSSR. (Akademiia nauk SSSR. Komissia  
po izucheniiu chetvertichnogo perioda. Trudy, no.16). No.2  
[Key for identification by the ankle bone and heel bone] Oprede-  
litel' po krupnym kostiam zapliusny. 1960. 115 p.

(MIRA 13:8)

(Mammals, Fossil--Identification)  
(Anklebone) (Heel bone)

Gerasimov, V I

BIP

PHASE I BOOK EXPLOITATION

SOV/4644

Spetsializatsiya i kooperirovaniye promyshlennosti; opyt raboty sovnarkhozov  
(Specialization and Cooperation in Industry; Operating Experience of Councils  
of National Economy) Moscow, Gosplanizdat, 1960. 253 p. 5,000 copies printed.

Gen. Ed.: S. I. Semin; Eds.: Ye. I. Komarov, and I. S. Maksimov; Tech. Ed.: Ye. S.  
Gerasimova.

PURPOSE: This book is intended for persons working on practical problems of  
specialization and cooperation within the industry of individual economic  
regions.

COVERAGE: The book presents problems of development of specialization and co-  
operation within industry in Leningrad, Novosibirsk, Khar'kov, Dnepropetrovsk,  
Kemerovo, Kherson, and other Administrative Economic Regions in 1959-1965. This  
book is the first attempt to describe the experience of individual National  
Economic Councils. No personalities are mentioned. There are no references.

~~Card 1/5~~



Specialization and Cooperation (Cont.)

SOV/4644

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Brief characterization of industry of the Leningrad economic region	6
Deficiencies in specialization and cooperation in Leningrad machine construction	9
Some measures for development of specialization and cooperation within the industry of the Leningrad Council of National Economy	20
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Card 2/5

GROMOV, V.I.

Subdivisions of the Quaternary system in the U.S.S.R. and foreign  
countries. Trudy GIN no. 26:3-10 '60. (MIRA 13:12)  
(Geology, Stratigraphic)

YEFIMTSEV, Nikolay Andrianovich; GROMOV, V.I., doktor geol.-mineral.nauk,  
otv.red.; FIN'KO, V.I., red.izd-va; LAUT, V.G., tekhn.red.

[Quaternary glaciation in western Tuva and the eastern part of the  
Gornyy Altai] Chetverichnoe oledenine Zapadnoi Tuvy i vostochnoi  
chasti Gornogo Altai. Moskva, Izd-vo Akad.nauk SSSR, 1961. 163 p.  
(Akademii nauk SSSR. Geologicheskii institut. Trudy, no.61).

(MIRA 14:12)

(Altai Mountains--Glacial epoch)

(Tuva Autonomous Province--Glacial epoch)

VANGENGEYM, E.A.; GROMOV, V.I., doktor geol.-miner.nauk, otv.red.;  
MIRAKOVA, L.V., red.izd-va; UL'YANOVA, O.G., tekhn.red.

[Paleontologic basis for the stratigraphy of Quaternary sediments  
in northeastern Siberia according to mammalian fauna] Paleontolo-  
gicheskoe obosnovanie stratigrafii antropogenovykh otlozhenii severa  
Vostochnoi Sibiri; po faune mlekopitaiushchikh. Moskva, Izd-vo  
Akad.nauk SSSR, 1961 181 p. (Akademiia nauk SSSR. Geologicheskii  
institut. Trudy, no.48). (MIRA 14:12)  
(Paleontology, Stratigraphic) (Siberia, Eastern)

VASIL'YEV, Yuriy Maksimovich; GRONOV, V.I., doktor geol.-mineral.nauk.  
prof., otv.red.; KALAMTAROV, A.P., red. izd-va; MAYKOGONOVA, I.A.,  
tekhn.red.

[Quaternary of the lower Volga region] antropogen iuzhnogo  
Zavolzh'ia. Moskva, Izd-vo Akad.nauk SSSR, 1961. 127 p.  
(Akademiia nauk SSSR Geologicheskii institut. Trudy, no.49).  
(MIRA 14:12)

(Volga Valley--Geology)

GROMOV, Igor' Mikhaylovich; GROMOV, V.I., otv. red.; NIKITINA, O.G., red.  
izd-va; NOVICHKOVA, N.D., tekhn.red.

[Fossil upper Quaternary rodents in the Crimean foothills]  
Iskopaemye vorkhnechetvertichnye gryzuny predgornogo Kryma.  
Moskva, Izd-vo Akad.nauk SSSR, 1961. 188 p. (Akademia nauk  
SSSR. Komissia po izucheniiu chetvertichnogo perioda. Trudy,  
vol. 17). (MIRA 14:4)

(Crimea—Rodentia, Fossil)

GROMOV, V.I., red.; NIKIFOROVA, K.V., red.; SHANTSER, Ye.V., red.; MIRAKOVA, L.V., red. izd-va; SMOLIN, P.P., red. izd-va; FIN'KO, V.I., red. izd-va; LAUT, V.G., tekhn. red.

[Problems of Quaternary geology; for the Sixth Congress of the International Association for Quaternary Research in Warsaw, 1961]  
Voprosy geologii antropogena; k VI kongressu INQUA v Pol'she v 1961 godu. Moskva, Izd-vo Akad. nauk SSSR, 1961. 223 p.

(MIRA 14:8)

1. Akademiya nauk SSSR. Geologicheskii institut. 2. Sotrudniki otdela chetvertichnoy geologii Geologicheskogo instituta AN SSSR (for Gromov, Nikiforova, Shantser)

(Geology)

YEFIMTSEV, N.A., otv. red.; SHANTSER, Ye.V., glav. red.; BADER, O.N., red.;  
GRICHUK, V.P., red.; GROMOV, V.I., red.; MEL'NIKOVA, N.B., red. izd-  
va; GIDALNICH, A.M., red. izd-va; KASHINA, P.S., tekhn. red.

[Materials of the All-Union Conference on the Study of the Quaternary period] Materialy Vsesoiuznogo soveshchaniya po izucheniu chetvertichnogo perioda. Moskva, Izd-vo Akad. nauk SSSR. Vol.1. [General problems in the study of the Quaternary period. History of Quaternary flora, fauna, and fossil man] Obshchie voprosy izucheniya chetvertichnogo perioda. Istorija chetvertichnoi flory, fauny i iskopaemogo cheloveka. 1961. 495 p. (MIRA 14:8)

1. Vsesoyuznoye soveshchaniye po izucheniyu chetvertichnogo perioda, Moscow, 1957. 2. Geologicheskii institut AN SSSR (for Gromov, Shantsers). 3. Institut geografii AN SSSR (for Grichuk)  
(Geology)



SHANTSER, Ye.V., glav. red.; YEFIMTSEV, N.A., otv. red.; BAIKER, O.N., red.; GRICHUK, V.P., red.; GROMOV, V.I., red.; MEL'NIKOVA, N.B., red. izd-va; GIDALEVICH, A.M., red. izd-va; KASINA, P.S., tekhn. red.

[Materials from the All-Union Interdepartmental Conference on the Study of the Quaternary Period] Materialy Vsesoyuznogo mezhdovedomstvennogo soveshchaniya po izucheniu chetvertichnogo perioda. Moskva, Izd-vo Akad.nauk SSSR. Vol.1[General questions in the study of the Quaternary period. History of Quaternary flora, fauna, and fossil man] Obshchie voprosy izucheniya chetvertichnogo perioda. Istorija chetvertichnoi flory, fauny i iskopaemogo cheloveka. 1961. 495 p.

(MIRA 14:5)

1. Vsesoyuznoye mezhdovedomstvennoye soveshchaniye po izucheniyu chetvertichnogo perioda. Moscow, 1957. 2. Geologicheskiy institut AN SSSR (for Gromov, Shants'er) 3. Institut geografii AN SSSR (for Grichuk)

(Geology, Stratigraphic)

(Paleontology, Stratigraphic)

GRCMCV, V.I.; KRASNCV, I.I.; NIKIFOROVA, A.V.; SHANTSER, Ye.V.

Present status of the studies on the delineation of the lower boundary of the Quaternary system and its stratigraphic subdivision. Izv. AN SSSR. Ser. geog. no. 4:33-41 J1-Ag '61.  
(MIRA 14:7)

1. Geologicheskii institut AN SSSR i Vsesoyuznyy nauchno-issledovatel'skiy geologicheskii institut.  
(Geology, Stratigraphic)

KRIGER, Nikolay Ivanovich; GROMOV, V.I., otv. red.; SPRYGINA, L.I.,  
red. izd-va; SIMKINA, G.S., tekhn. red.

[Quaternary sediments of Africa and southwestern Asia] Chet-  
vertichnye otlozheniia Afriki i Perednei Azii. Moskva, Izd-  
vo Akad. nauk SSSR, 1962. 141 p. (MIRA 15:9)  
(Africa--Geology, Stratigraphic)  
(Asia, Southwestern--Geology, Stratigraphic)

GROMOV, V. I.

About the so-called old boundary between the Neogene and  
Quaternary and some other problems. Trudy Kom. chetv. per. 20:  
137-139 '62. (MIRA 16:1)

(Geology, Stratigraphic)

GROMOV, Vladimir Ivanovich; SMIRNOV, Ye.I., red.; PONOMAREVA, A.A.,  
tekhn. red.; GERASIMOVA, Ye.S., tekhn. red.

[Developing specialization and cooperation in the industry  
of an economic region] Razvitie spetsializatsii i kooperi-  
rovania v promyshlennosti ekonomicheskogo raiona. Moskva,  
Ekonomizdat, 1963. 218 p. (MIRA 16:12)  
(Industrial organization)

GROMOV, V.I.; VANGENGEYM, E.A.; NIKIFOROVA, K.V.

Stages in the development of the Quaternary mammal fauna as  
the reflection of evolution stages of the earth. *Izv.AN SSSR.*  
*Ser.geol.* 28 no.1:46-65 Ja '63. (MIRA 16:2)

1. Geologicheskij institut AN SSSR, Moskva.  
(Mammals, Fossil) (Earth)

EBERZIN, A. G.; NEVESSKAYA, L. A.; SHANTSER, Ye. V.; LAVRUSHIN, Yu. A.;  
GROMOV, V. I.; IVANOVA, I. K.

Resolution of the joint plenum of the Permanent Commissions on Neogene and Quaternary Systems, Attached to the Interdepartmental Stratigraphic Committee and the Commission on the Study of the Quaternary Period of the Academy of Sciences of the U.S.S.R., on the position of the boundary between the Neogene and Quaternary systems. Trudy Kom. chetv. per. 20: 182-184 '62. (MIRA 16:1)

1. Predsedatel' postoyannoy komissii po neogenovoy sisteme pri Mezhdomstvennom stratigraficheskom komitete (for Eberzin).
2. Iсполnyayushchiy obyazannosti Uchenogo sekretarya postoyannoy komissii po neogenovoy sisteme pri Mezhdomstvennom stratigraficheskom komitete (for Neveeskaya).
3. Predsedatel' postoyannoy komissii po chetvertichnoy sisteme pri Mezhdomstvennom stratigraficheskom komitete (for Shantser).
4. Uchenyy sekretar' postoyannoy komissii po chetvertichnoy sisteme pri Mezhdomstvennom stratigraficheskom komitete (for Lavrushin).
5. Zamestitel' predsedatelya Komissii po izucheniyu chetvertichnogo perioda AN SSSR (for Gromov).
6. Uchenyy sekretar' Komissii po izucheniyu chetvertichnogo perioda AN SSSR (for Ivanova).

(Geology, Stratigraphic)

GROMOV, V.I., otv. red.; IVANOVA, I.K., otv. red.; NEYSHTADT, M.I.,  
otv. red.

[Results of the 6th Congress of the International Association  
on Quaternary Research (INQUA)] Nau hnye itogi VI Kon-  
gressa Mezhdunarodnoi assotsiatsii po izucheniiu chetvertich-  
nogo perioda (INQUA). Moskva, Nauka, 1964. 132 p.  
(MIRA 17:12)

1. Akademiya nauk SSSR. Komissiya po izucheniyu chetvertichnogo  
perioda.



GROMOV, V.I., doktor geol.-mineral.nauk

Symposium on the Stratigraphy and Periodization of the Paleolithic  
Period, held in Moscow. Vest. AN SSSR 34 no.3:124-125 Mr '64.  
(MIRA 17:4)

GROMOV, Vladimir Ivanovich; KOGAN, Ye.L., red.

[The art of management; from the practice of the Leningrad  
Opticomechanical Combine] Iskusstvo upravliat'; iz opyta  
Leningradskogo optiko-mekhanicheskogo ob"edineniia. Mo-  
skva, Znanie, 1965. 29 p. (Novoe v zhizni, nauke, tekhn-  
nike. III Seria: Ekonomika, no.9) (IRA 1E:4)

GROMOV, V.I., otv. red.; IVANOVA, I.K., otv. red.; MARKOV, K.K.,  
otv. red.; NEYSHTADT, M.I., otv. red.; RAVSKIY, E.I.,  
otv. red.

[Quaternary period and its history; for the Seventh  
Congress of the INQUA held in the U.S.A., 1965] Chetvertich-  
nyi period i ego istoriia; k VII Kongressu INQUA (SShA, 1965).  
Moskva, Nauka, 1965. 221 p. (MIRA 18:5)

1. Akademiya nauk SSSR. Komissiya po izucheniyu chetvertich-  
nogo perioda.

SAKS, V.N., ed.; BOBYL, A.A., ed.; ZAKHAROV, V.I., ed.; BLANK, S.P., ed.; BOGATY, V.V., ed.; VOLKOVA, V.S., ed.; CHROMOV, M.I., ed.; IVANOVA, I.K., ed.; LAVRENTYEV, A.I., ed.; MASYONOV, V.A., ed.; NIKOLAYEV, N.I., ed.; STRELEKOV, S.A., ed.; TROITSKIY, S.L., ed.; CHUCHIA, M.G., ed.; SHANTLEN, Ye.N., ed.; SHATSKIY, S.B., ed.

[Basic problems in the study of the Quaternary period; for the 7th Congress of INQUA, U.S.A., 1965] Osnovnyye problemy izucheniya chetvertichnogo perioda; k VII Kongressu INQUA (SSSR, 1965). Moskva, Nauka, 1965. 495 p. (MIRA 18:9)

1. Akademiya nauk SSSR. Sibirskaya nauchnoye Institut geologii i geofiziki. 2. Chief-correspondent at USSR (for Saks).

L 27948-66

ACC NR: AP6017708

SOURCE CODE: UR/0105/66/000/001/0085/0086

AUTHOR: Bertinov, A. I.; Voronetskiy, B. B.; Gendel'man, B. R.; Girshberg, V. V.;  
Gromov, V. I.; Druzhinin, N. N.; Kunitskiy, N. P.; Naumenko, I. Ye.; Petrov, I. I.;  
Vetrov, G. N.; Rusakov, V. G.; Silayev, E. F.; Slezhanovski, O. V.;  
Syromyatnikov, I. A.; Tulin, V. S.; Filin, N. M.; Tselikov, A. I.; Chilikin, M. G.;  
Yun'kov, M. G.

ORG: none

TITLE: Engineer N. A. Tishchenko (on his 60th birthday)

SOURCE: Elektrichestvo, no. 1, 1966, 85-86

TOPIC TAGS: electric engineering personnel, metallurgical furnace, electric equipment

ABSTRACT: Nikolay Afanas'yevich Tishchenko completed the Khar'kov Electrotechnical Institute in 1930, after working as an electrician in a Metallurgical plant from 1923-1926. He was active in the development of domestically produced electrical equipment for rolling mills and metallurgical furnace works. He was active during WWII in restoring electrical equipment damaged by the Germans. After the war, he was active in developing electrical drive equipment for both domestic and foreign metallurgical plants. He has been active in scientific work, publishing over 45 works in such varied fields as electric drives, equipment reliability and productivity of labor. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 09, 13 / SUEM DATE: none

Card 1/1 BLG

UDC: 621.34

KRYLOV, Nikolay Nikolayevich; LOBANDIYEVSKIY, Pavel Ionifovich;  
MEN, Solomon Abramovich; GROMOV, L.I., red.; GAVRILOV, S.S.,  
tekh.red.

[Descriptive geometry] Nachertatel'naya geometriia. Pod red.  
N.N.Krylova. Moskva, Gos.izd-vo fiziko-matem.lit-ry, 1959.  
367 p. (MIRA 13:1)

(Geometry, Descriptive)

ACCESSION NR: AR4042246

S/0081/64/000/008/S019/S019

SOURCE: Ref. zh. Khimiya, Abs. 8598

AUTHOR: Vasenin, R. M.; Gromov, V. K.; Vakula, V. L.; Voyutskiy, S. S.

TITLE: Kinetics of the establishment of autoadhesion bond between polymers of different molecular weight

CITED SOURCE: Sb. Vy\*sokomolekul. soyedineniya. Adgeziya polimerov. M., AN SSSR, 1963, 52-57

TOPIC TAGS: polymer, autoadhesion bond

TRANSLATION: The method of separation is used to investigate the kinetics of formation bond adhesion of five fractions of polyisobutylene with molecular weights of  $0.75 \cdot 10^6$  to  $2.4 \cdot 10^6$ . Work of separation increases with time of contact by exponential law. The less the molecular weight of the fraction, the faster will the autoadhesion bond will be formed. An increase in the contact temperature has an analogous influence. Experimental data are compared with theoretical curves

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ACCESSION NR: AR4042246

of work of separation versus time, calculated for the same molecular weight. The constants necessary for the calculations were determined by experimental data for one of the studied fractions. Satisfactory coincidence of experimental and calculated data was found. In accordance with theoretical presentations the work of separation, determined experimentally with identical times of contact (from several minutes to several hours), is the reciprocal of the molecular weight to the  $2/3$  power. This attests to the sufficiently fast penetration of macromolecules from one sample into the other and to the decisive role of elastic deformations during separation of an autoadhesive bond. For unfractionated polymer the experimental values of the work of separation are 30% higher than these calculated; this is due to presence of low-molecular fractions. Kinetic constants at temperatures of 20, 40, 60, and 80° are calculated. Activation energy of the process is 7500 cal/mole.)

SUB CODE: OC, GC

ENCL: 00

Card 2/2



L 15508-63

EPR/EWP(j)/EPP(c)/EWT(m)/

BDS AFFTC/ASD Ps-Li/Po-Li/Pr-Li RM/WW

ACCESSION NR: AP3006624

S/0076/63/037/009/2077/2081

76  
72

AUTHOR: Gromov, V. K.; Neyman, M. B.; Vakula, V. L.; Voyutskiy, S. S.

TITLE: Study of the nature of the failure of a polymer-substrate adhesive bond by the method of tagged atoms 19

SOURCE: Zh. fizicheskoy khimii, v. 37, no. 9, 1963, 2077-2081

TOPIC TAGS: adhesive bond, adhesive bond failure, bond failure, joint failure, failure, polymer substrate adhesive bond, radiometric method, adhesive, tagged atom, tagged polymer, atactic polypropylene, tagged atactic polypropylene, substrate, nonradioactive atactic polypropylene, sheet silicate glass, copper foil, stripping test, adhesion testing machine, TsNIKZ adhesion testing machine, bond strength, radioactivity, substrate radioactivity, bonding time, bonding temperature, micromosaic type failure

ABSTRACT: The failure of polymer-substrate adhesive bonds has been studied by a highly sensitive radiometric method developed

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L 15508-63  
ACCESSION NR: AP3006624

2

by the authors employing a tagged polymer. Atactic polypropylene (molecular weight,  $3 \times 10^4$ ) with tagged tertiary C atoms was used as an adhesive and nonradioactive atactic polypropylene sheet silicate glass, or copper foil, as a substrate. Stripping tests on percale strips coated with the adhesive were conducted with a TsNIKZ adhesion testing machine; the radioactivity of the stripped substrates was then measured. The results are given in the form of tables and graphs. The fact that all stripped substrates were radioactive indicates that after bond failure a certain amount of adhesive remains on the substrate. Radioactivity measurements showed that the quantity of adhesive remaining on the substrate increased with an increase in the time and temperature of contact between adhesive and substrate during specimen preparation. It is assumed that: 1) the adhesive remaining as nonpolymeric substrate is distributed in the form of "islets" rather than as a uniform layer and that in such case bond failure is "micromosaic" in type; 2) in the case of polymeric substrates of a higher molecular weight with three-dimensional or supermolecular network structures

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L 15508-63

ACCESSION NR: AP3006624

and considerable intermolecular forces, smaller quantities of the adhesive will remain on the substrates. Orig. art. has: 2 figures, and 2 tables. 2

ASSOCIATION: Akademiya nauk SSSR, Institut khimicheskoy fiziki (Academy of Sciences SSSR, Institute of Chemical Physics); Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni M. V. Lomonosova (Moscow Institute of Fine Chemical Technology)

SUBMITTED: 17Oct63

DATE ACQ: 30Sep63

ENCL: 00

SUB CODE: CH, PH

NO REF SOV: 005

OTHER: 008

Card 3/3

GROMOV, V.K.; NEYMAN, M.B.; VAKULA, V.L.; VOYUTSKIY, S.S.

Tracer method study of the character of the breakdown of the  
polymer-substrate adhesive joint. Zhur. fiz. khim. 37 no.9;  
2077-2081 S '63. (MIRA 16:12)

1. Institut khimicheskoy fiziki AN SSSR i Moskovskiy institut  
tonkoy khimicheskoy tekhnologii imeni Lomonosova.

SMEKHOV, Ye.M.; GHID, L.P.; ROMASHOVA, M.G.; ROMM, Ye.S.; KALACHEVA, V.N.;  
DOROFYEVA, T.V.; GROMOV, V.K.

Method for studying fractured rocks and their reservoir pro-  
perties. Geol.nefti 2 no.3:37-45 Mr '58. (MIRA 12:6)

1. Vsesoyuznyy neftyanoy nauchno-issledovatel'skiy geologo-rasvedoch-  
nyy institut.

(Rocks--Permeability)

GROMOV, V.K.

Method of studying the jointing of rocks. Trudy VNIIGRI  
no.165:29-55 '61. (MIRA 14:2)  
(Joints (Geology)) (Oil sands--Permeability)

GROMOV, V.K.; PETROVA, R.K.

Results of the study of the jointing and reservoir properties  
of Paleozoic rocks in eastern Bashkiria as exemplified by the  
Kinzebulatovo field. Trudy VNIGRI no.165:56-88 '61. (MIRA 14:8)  
(Bashkiria--Oil sands--Permeability)  
(Joints (Geology))

GROMOV, V.K.; PETROVA, R.K.

Oil-reservoirs in reef deposits of Bashkiria. Trudy VNIGRI  
no.186:315-326 '61. (MIRA 15:3)  
(Bashkiria--Petroleum geology)



SMEKHOV, Ye. M., prof.; BULACH, M.Kh., kand. geol.-mineral. nauk;  
ROMM, Ye.S.; GORYUNOV, I.I.; GMID, L.P.; GROMOV, V.K.;  
DOROFYEVA, T.V.; KNORING, L.D.; KALACHEVA, V.M.; TATARINOV,  
I.V.; KLEYNOBOV, Yu.F.; KAPLAN, M.Ye.; ZVONITSKAYA, I.V.;  
MAZURKEVICH, Z.I.; DRYABINA, N.N.; RUSAKOVA, L.Ya., vedushchiy  
red.; BARANOVA, L.G., tekhn. red.

[Methodological text on the study of the fracturing of rocks  
and fractured oil and gas reservoirs]. Metodicheskoe posobie  
po izucheniiu treshchinovatosti gornykh porod i treshchinnykh  
kollektorov nefi i gaza. Leningrad, Gostoptekhizdat, 1962.  
76 p. (Leningrad. Vsesoiuznyi nefianoi nauchno-issledovatel'-  
skii geologorazvedochnyi institut. Trudy, no.201).

(MIRA 16:4)

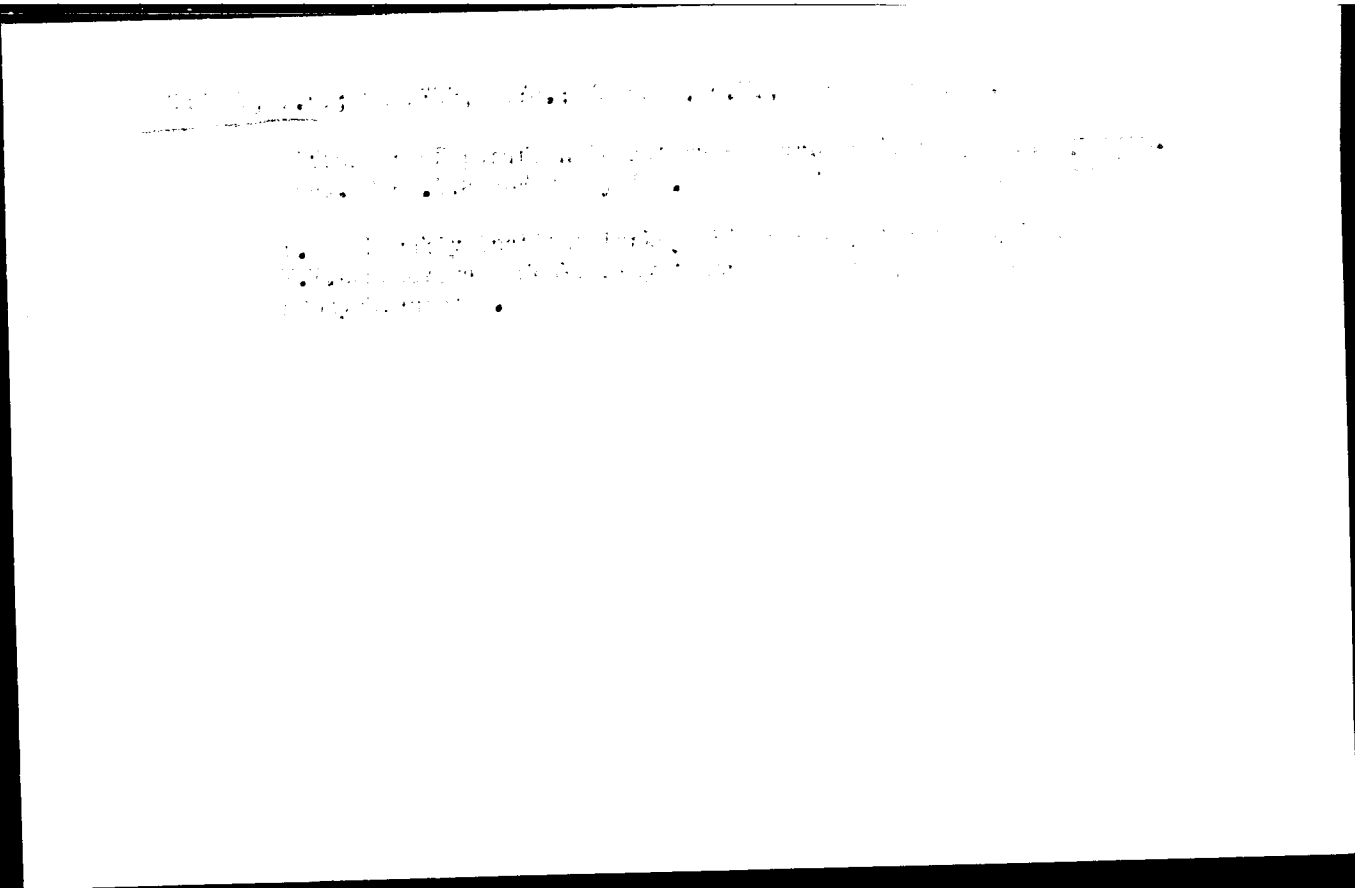
(Joints(Geology)) (Oil sands)

SMEKHOV, Ye.M., prof., doktor geol.-mineral. nauk; BULACH, M.Kh.;  
ROMM, Ye.S.; POZINENKO, B.V.; GORYUNOV, I.I.; KNORING, L.D.;  
GMID, L.P.; GROMOV, V.K.; KUZNETSOV, Yu.I.; DOROFYEVA, T.V.;  
KALACHEVA, V.N.; KLEYNOSOV, Yu.F.; TATARINOV, I.V.;  
IONINA, I.N., vedushchiy red.; YASHCHURZHINSKAYA, A.B.,  
tekhn. red.

[Combined investigations of fractured reservoirs and  
experience in estimating the petroleum reserves contained  
therein.] Kompleksnye issledovaniia treschinnykh kollektorov  
i opyt podscheta v nikh zapasov nefi. Leningrad, Gostop-  
tekhizdat, 1963. 198 p. (Leningrad. Vsesoiuznyi nefianoi  
nauchno-issledovatel'skii geologorazvedochnyi institut.  
Trudy, no.214) (MIRA 17:1)

GRIGOR, V.K.

Comparing the products of tests and the technical platform  
regions. Truly VNIISI n. 178; 241-223 101 (MIRA 17e3)



GROMOV, V.K.; VASENIN, R.M.; CHALYKH, A.Ye.; VOYUTSKIY, S.S.

Effect of the molecular weight of hydrocarbons on their  
diffusion in polymers. Dokl. AN SSSR 165 no.2:347-350 N 165.  
(MIRA 18:11)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M.V.  
Lomonosova. Submitted April 13, 1965.

L 31107-66 EWT(m)/EWF(j)/T WA/WB/WE/FM  
ACC NR: AP5028282 (A) SOURCE CODE: UR/0020/65/165/002/0347/0350 17  
AUTHOR: Gromov, V. K.; Vasenin, R. M.; Chalykh, A. Ye.; Voyutskiy, S. S. 16.  
ORG: Moscow Institute of Chemical Precision Technology im. M. V. Lomonosov (Moskovskiy institut tonkoy khimicheskoy tekhnologii)  
TITLE: Effect of the molecular weight of hydrocarbons and their diffusion in polymers  
SOURCE: AN SSSR. Doklady, v. 165, no. 2, 1965, 347-350  
TOPIC TAGS: hydrocarbon, molecular weight, polymer, chemical reaction

ABSTRACT: The diffusion coefficient (D) of hydrocarbons in polymers was studied by changing their molecular weight for 1-2 orders. The following systems were studied (polymer, hydrocarbon(s), temperature); polyisobutylene (I), octane, or dodecane, or hexadecane, 20-120C; I, paraffin (molecular weight ~325), 60-100C; I, ceresine, 100-130C; I, polyethylene (molecular weight ~2000 or ~5000), 100-130C; atactic polypropylene (II), paraffin (molecular weight ~325), 60-100C; II, ceresine, 100-130C, and II, polyethylene (molecular weight ~2000 or ~5000), 100-130C. In the systems studied, D depended on the molecular weight of hydrocarbons, according to the equation  $D = KM^{-\gamma}$ , where K and  $\gamma$  were constant and M was the molecular weight;  $\gamma$  depended on the concentration of the hydrocarbon in a system and on the nature of the polymer. At 100-20C,  $\gamma$  was ~3 or ~2 for I or II, respectively. For polyethylenes,  $\gamma$  was ~

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UDC: 678.01:53

ACC NR: AF5028282

2.5 and  $\sim 1.5$  at 120 and 130C, respectively. In this case the temperature dependence of  $\gamma$ , was probably related to the concentration of the areas of ordered crystals in the polyethylenes. At higher temperatures, the mobility of chains increased and  $\gamma$  became smaller. At 130C, holding other factors constant, the value of  $\gamma$  increased with the polymers: polyethylene, atactic propylene, polyisobutylene. At 120C,  $D$  for a hydrocarbon of a molecular weight of  $2 \cdot 10^4$  was  $\sim 6 \cdot 10^{-12}$  or  $\sim 2 \cdot 10^{-10}$  cm<sup>2</sup>/sec. in I or II, respectively. With an increase of hydrocarbon concentration in a system, the activation energy of the diffusion process decreased. The paper was presented by Academician S. S. Modvedov, 13 Apr. 65. Orig. art. has: 4 figs.

SUB CODE: 20,07/ SUBM DATE: 09Apr65/ ORIG REF: 009/ OTH REF: 007

Card

2/2

90

GROMOV, V. L.      Cand. Tech. Sci.

Dissertation: "Swedish Windows. Qualitative Indexes and Ways of Introduction into Soviet Building Industry." Academy of Architecture USSR, 16 May 47.

SO: Vechernyaya Moskva, May, 1947 (Project #17836)



GRANOV, V. L.

TR SHICHEV, V. M. - Khudozhnik i, GRANOV, V. L. - Kand. Tekh. Nauk, P. KHIFLES, E. L. -  
Arkh., PSHEMCHNIKOVA, G. S. - Arkh., BUYANOV, Yu. P. - Inzh., BYKOVSKIY, G. L. -  
Arkh., BAYAR, O. G. (Rukovoditel'teny) - Kand. Arkhitektury, LAZITSKIY, M. P. -  
Kand. Arkhitektury, RABINOVICH, I. L. - Arkh., CHERTOVNER, L. M. - Arkh., ANISHEVSKIY,  
V. G. - Kand Tekhn. Nauk

Nauchnoissledovatel'skiy institut stroitel'noy tekhniki Akademii arkhitektury SSSR

Predlozheniya po oborudovaniyu i otdelke kvartir mnogoetazhnykh zhilykh domov v  
moskve (Al'bom) Page 67

SO: Collection of Annotations of Scientific Research Work on Construction,  
completed in 1950. Moscow, 1951

GROMOV, V.L., kandidat tekhnicheskikh nauk.

Inlaid and block parquet flooring. Gor.khoz.Mosk. 28 no.10:33-35  
0 '54. (MLBA 7:11)  
(Parquetry)

ARBUZOV, N.T., kand.tekhn.nauk; GROMOV, V.L., kand.tekhn.nauk; GORSKIY, B.Z.,  
kand.tekhn.nauk; KALISHCHUK, A.L., kand.tekhn.nauk; KUNITSKIY, L.P.,  
kand.tekhn.nauk; KURBATOV, D.I., kand.tekhn.nauk; MOROZOV, N.V., kand.  
tekhn.nauk; PILYUGIN, A.I., kand.tekhn.nauk; PRIMAK, N.S., kand.tekhn.  
nauk; SEMBENTSOV, S.A., kand.tekhn.nauk; ULITSKIY, I.I., kand.tekhn.  
nauk; KHUTORYANSKIY, M.S., kand.tekhn.nauk; SHERENTSIIS, A.A., kand.  
tekhn.nauk; PINSKIY, Ye.A., inzh.; KARSAK, Yu.Ye., red.; PATSALYUK,  
P.M., tekhn.red.

[Civil engineering handbook] Spravochnik po grezhdanskomu stroitel'  
stvu. Izd. 3-e, perer. i dop. Kiev, Gos. izd-vo tekhn. lit-ry USSR  
Vol. 1. 1958. 867 p. (MIRA 11:5)

(Civil engineering--Handbooks, manuals, etc.)

GR... V.L.  
ARBUZOV, N.T., kand.tekhn.nauk; GROMOV, V.L., kand.tekhn.nauk; KURNATOV,  
D.I., kand.tekhn.nauk; MOROZOV, N.V., kand.tekhn.nauk; PILYUGIN,  
A.I., kand.tekhn.nauk; SHERETSIS, A.A., kand.tekhn.nauk; SHCHEPETOV,  
A.N., red.; KORSAK, Yu.Ye., red.; MATUSEVICH, S.M., tekhn.red.

[Manual of civil engineering] Spravochnik po grazhdanskomu stroitel'-  
stvu. Izd. 3-e, perer. i dop. Kiev. Gos.izd-vo tekhn. lit-ry USSR.  
Vol.2. 1958. 560 p. (MIRA 11:7)  
(Civil engineering)