OLENICHEVA, L.S.; EYZENGART, R.S.

Determination of serum aspartic-glutamic aminopherase activity in myocardial infarct patients. Vop.med.khim. 5 no.2:124-127 Mr-Ap '59. (MIRA 12:5)

1. Research Unit at the Institute for Internal Diseases. The U.S.S.R. Academy of Medical Sciences, Moscow.
(TRANSFERASES, aspartic-glutamic aminopherases in blood in myocardial infarct (Rus))
(MYOCARDIAL INFARCTION, blood in, aspartic-glutamic aminopherases (Rus))

BERGMAN, Ya.; GRODNITSKIY, P.; EYZENKREYN, O.

Centralized operational service. Avt. transp. 37 no.8:10-12 Ag '59.
(MIRA 12:12)

1.Leningradskiy filial Nauchno-issledovatel'skogo instituta avtomobil'-nogo transporta i Krasnoyarskiy avtotrest.
(Transportation, Automotive)

EYZENKREYN, O.; KHUPKIN, S.

Are self-supporting centralized dispatcher units needed? Avt. transp. 41 no.3:16 Mr '63. (MIRA 16:4)

(Transportation, Automotive—Management)

EYZENSHTAT, A.I.

Intravital diagnosis of dissecting aortic aneurysm. Klin. med. 38 no. 2:110-115 F '60. (MIRA 14:1)
(AORTIC ANEURYSMS)

L 35084-65

ACCESSION NR: AR5005397 S/0299/64/000/019/R012/R012

SOURCE: Ref. zh. Biologiya. Sv. t., Abs. 10R78 14 B

AUTHOR: Novelli, G. D.; Kameyama, T.; Eyzenshtadt, Dzh. M.

TITLE: Effect of ultraviolet rays and X-rays on the enzyme forming system

CITED SOURCE: Sb. Vosstanovleniye kletok ot povrezhd., M., Gosatomizdat, 1963, 336-368

TOPIC TAGS: protein synthesis, E. coli, ultraviolet irradiation, X-irradiation, enzyme, ornithinetranscarbamylase, leucine, DNA, beta-galactosidase, photoreactivation, amino acid, noncellular system, radioactive carbon

TRANSLATION: To study protein synthesis, a noncellular system of destroyed E. coli protoplasts was developed which synthesized the induced enzyme, ornithinetranscarbamylase. At the same time beta-galactosidase formation was studied under conditions of lethal ultraviolet irradiation. It was established that after irradiation

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ACCESSION NR: AR5005397

cellular survivability suffers most and beta-galactosidase suffers next most; crude protein synthesis was found most resistant. Radiation with visible light restores beta-galactosidase synthesis. Ornithinetranscarbamylase synthesis was less sensitive to radiation. The authors explain this by the fact that beta-galactosidase synthesis, unlike ornithinetranscarbamylase synthesis, is required in RNA synthesis. In the presence of beta-galactosidase activity, irradiation causes the disappearance of the ribonucleoproteid peak in the electrophoregram. The lost peak is restored with photoreactivation. The presence of a ribosome bound beta-galactosidase fraction was demonstrated. This fraction appears only in the presence of an inductor. With removal of the inductor the enzyme leaves the ribosomes and enters the solution. On the basis of these observations a noncellular system was developed consisting of ribosomes and a supraprecipitate fraction obtained from earlier induced cells. An inductor, energy source, amino acids, and nucleoside di- and triphosphates were added to the system. Enzyme activity in the system increased by 1.5 times with incubation at 37° for 60 min. Activity growth was stimulated by the introduction of amino acids and nucleoside di- and triphosphates and was inhibited by chloramphenicol,

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ACCESSION NR: AR5005397 0

ribonuclease and desoxyribonuclease. Experiments with the introduction of C^{14}-leucine showed that protein synthesis takes place in the system. Ultraviolet irradiation, as with X-irradiation in doses of 10 to 40 kr, disturbs beta-galactosidase synthesis. Beta-galactosidase synthesis resumes after adding DNA from a nonirradiated supraprecipitate fraction in the first and second case, and only those DNA preparations proved effective which were prepared from cells containing general beta-galactosidase, that is, from induced cells. A proposed system of enzyme synthesis is presented. Bibliography 37 titles. V. Blokhina.

SUB CODE: LS ENCL: 00

Card 3/3

1. EYZENSHTADT, L.A.(Eng.)

2. USSR (600)

4. Stalin Prizes

7. New machine-building tasks which have been awarded Stalin prizes for the year 1951. Vest. mash. 32. no. 7. 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

S/183/62/000/006/002/002
B101/B186

AUTHORS: Eyzenshteyn, E. M., Rogovina, A. A.

TITLE: 13th Conference on High-molecular Compounds

PERIODICAL: Khimicheskiye volokna, no. 6, 1962, 75 - 77

TEXT: The 13th konferentsiya po vysokomolekulyarnym soyedineniyam (Conference on High-molecular Compounds) was held in Moscow on October 8-11, 1962. It was attended by 1600 scientists, engineers, and designers from more than 280 scientific research institutes, universities, industrial establishments, and planning and designing organizations concerned with various branches of industry. The conference dealt with the mechanical properties of polymers. Over 150 reports were presented. In the present survey the reports of interest to experts of the man-made fiber industry are listed. In his opening speech, Academician A. V. Topchiyev, Vice-president of the AS USSR, stressed the importance of polymers for the national economy. Three reports were delivered at the plenary meeting: V. A. Kargin, Academician, "Structure and mechanical properties of polymers"; G. L. Slonimskiy, "High elasticity of polymers"; G. M. Bartenev, "Nature and laws of polymer flow". It has been stated

that the statistical theory of the convoluted polymer molecule does not satisfactorily explain the mechanical properties of polymers; a relationship has to be established between these properties and the supermolecular structures both in the equilibrium and in the nonequilibrium states. The polymer rheology should be concerned with the study of molecular structures and their destruction, and with the various forms of flow and the transition from mechanical to chemical flow. The conference worked in five sections: (1) theoretical fundamentals of elasticity, plasticity, and strength of polymers; (2) mechanical properties of polymers; (3) physicomechanical fundamentals of polymer processing; (4) methods of mechanical testing; (5) glass-reinforced plastics. In section 1, 36 reports were presented and 57 persons took part in the discussions. The main problem was the fluctuation theory of strength as developed in recent years by S. N. Zhurkov, Corresponding Member AS USSR, and collaborators, at the Fiziko-tekhnicheskiy institut AN SSSR (Physicotechnical Institute AS USSR). Reports: V. R. Regel', T. M. Muinov, and O. F. Pozdnyakov, "Application of mass spectrometry to investigate the mechanical destruction of polymers"; A. M. Leksovskiy and V. R. Regel', "Study of static and dynamic fatigue of polymers"; S. A. Abasov and S. N. Zhurkov reported on relations between the degree of polymerization and the strength of

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oriented and non-oriented caprone fibers. A. D. Chevychelov and A. I. Gubanov spoke abqut a "Precise formulation of the kinetic theory of polymer strength" and "Bond and cohesive energy in polymers"; A. I. Meos and M. N. Vishnyakova (Leningradskiy tekstil'nyy institut - Leningrad Textile Institute), "Electron-microscopic study of the supermolecular structure of some chemical fibers"; V. A. Marikhin, S. N. Zhurkov, and L. P. Romankova, "Electron-microscopic study of the supermolecular structure of polymers on cleavage surfaces"; I. I. Novak, S. N. Zhurkov, and V. I. Vetegren', "Study of orientation and crystallization of caprone fibers by infrared microscopy"; L. I. Nadareyshvili and T. I. Sogolova (Fiziko-khimicheskiy institut im. L. Ya. Karpova - Physicochemical Institute imeni L. Ya. Karpov), "Study of supermolecular structures of gutta-percha"; G. P. Andrianova and V. A. Kargin (Institut neftekhimicheskogo sinteza AN SSSR - Institute of Petrochemical Synthesis AS USSR), "Effect of microscopic structures on the mechanical behavior of isotactic polypropylene"; V. Ye. Gul', V. V. Kovriga, and A. M. Vasserman (Moskovskiy institut tonkoy khimicheskoy tekhnologii - Moscow Institute of Fine Chemical Technology), "Effect of supermolecular structures on the strength of polypropylene"; N. F. Bakeyev, P. V. Kozlov, and G. N. Kardash (MGU), "Effect of the morphology of spherulite structures on the

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properties of the mechanical behavior of crystalline polymers; A. I. Slutsker and A. Ye. Gromov (Physicotechnical Institute AS USSR), "Study of orientation in polymer fibers by the x-ray diffraction method"; L. G. Kazaryan, D. Ya. Tsvankin, and L. Z. Rogovina (Institut elementoorganicheskikh soyedineniy AN SSSR - Institute of Elemental Organic Compounds AS USSR), "Study of the orientation process during deformation of polypropylene"; T. A. Shamrayevskaya, Yu. N. Lesnichiy, N. A. Shchegolevskaya, and S. I. Sokolov (Moskovskiy institut khimicheskogo mashinostroyeniya - Moscow Institute of Chemical Machinery), "Study of the conditions for mutual compensation of the effects due to positive and negative birefringence"; M. F. Milagin and N. I. Shishkov (Physicotechnical Institute AS USSR), "Birefringence and strength of polymers"; P. V. Kozlov, V. G. Timofeyeva, and V. A. Kargin (MGU, NIKFI), "Effect of small admixtures of low-molecular substances on the mechanical properties of rigid chain polymers"; A. I. Suvorova and A. A. Tager (Ural'skiy gosudarstvennyy universitet im. A. M. Gor'kogo - Ural State University imeni A. M. Gor'kiy), "Effect of chemical structure and dimension of plasticizer molecules on the vitrification temperature of polymers"; L. Z. Rogovina and G. L. Slonimskiy (Institute of Elemental Organic Compounds AS USSR), "Study of stress relaxation processes in crystalline and

amorphous polymers". Section 2: Kh. U. Usmanov, M. S. Nigmakhodzhayeva, M. Alimbekov, and I. Kh. Khakimov (Institut khimii polimerov AN UzSSR - Institute of Polymer Chemistry AS UzSSR), "Study of mechanical and thermodynamical properties of cellulose in organic solvents"; G. N. Kukin gave a survey on the mechanical properties of textile fibers; N. I. Naymark (MTI), "Some peculiarities of the deformation of cotton yarn"; A. A. Rogovina, S. A. Novikova, I. S. Gil'man, and Yu. V. Vasil'yev (VNIIV, MTI), "Some structural changes of polyamide fibers on heating and dynamic fatigue"; V. A. Berestnev, I. P. Nagdaseva, M. B. Lytkina, Z. I. Suleymanova, A. V. Orlova, and L. S. Dubova (NIIShP), "Study of the relationship between mechanical properties and structure of cord fibers"; M. P. Vershinina, V. R. Regel', and N. N. Chernyy (Physicotechnical Institute AS USSR), "Effect of UV radiation on the kinetics of flow and destruction of caprone fibers". In the resolution adopted by this section the development of research on the mechanical properties of textile fibers was described as unsatisfactory, which was drawn to the attention of the Komitet Soveta Ministrov SSSR po koordinatsii nauchno-issledovatel'skikh rabot (Committee of the USSR Council of Ministers for the Coordination of Scientific Research Work). Section 3: 36 reports were delivered and 60 persons took part in the discussions. Professor G. V. Vinogradov

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gave a survey of the basic problems of theory and testing methods in the study of polymer rheology. R. A. Baltenas and L. A. Igonin (NIIplastmass), "Study of the effect of high pressures on melting temperature and viscosity of polyethylene melts"; Z. G. Povarova (NIIRP), "Viscosimetric method of determining structural changes of polymers when processed at various temperatures and pressures "; I. V. Konyukh, I. M. Belkin, and E. Mustafayev (Institute of Petrochemical Synthesis AS USSR), "Rotation viscosimetry of polymer melts"; N. V. Prozorovskaya, "Capillary viscosimetry of polymer melts"; A. A. Konstantinov and I. V. Konyukh, "Automatic capillary viscosimeter АКВ-5 (AKV-5)"; M. P. Zabugina, I. V. Konyukh, A. A. Konstantinov, "Capillary microviscosimeter for polymer melts"; R. V. Torner (NIIShP), "Basic trends in the development of extruders for processing thermoplastic materials"; V. I. Morozov, B. P. Shtarkman, and Ye. I. Rylov, "Physicomechanical fundamentals of polymer processing by screwless extruders"; V. Ye. Dreval' and A. A. Tager (Ural State University imeni A. M. Gor'kiy), "Study of the rheological properties of concentrated solutions of welastic, glassy, and crystalline polymers as a function of concentration, temperature, and type of solvent"; S. A. Glikman, V. M. Aver'yanova, and L. I. Khomutova (Saratovskiy gosudarst-

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vennyy universitet im. N. G. Chernyshevskogo - Saratov State University imeni N. G. Chernyshevskiy), "Mechanical properties and structure of acetyl cellulose spinning solutions"; E. A. Pakshver (VNIISV), "Rheological (viscous) properties of viscose solutions". Reports delivered by collaborators of IVS AN SSSR: S. Ya. Frenkel', L. G. Shaltyko, L. N. Korzhavin, and L. M. Pyrkov, "Use of active media for shaping and strengthening synthetic fibers"; L. M. Pyrkov, A. Ya. Sorokin, and S. Ya. Frenkel', "Application of the principle of active media to produce high-strength fibers from polyvinyl alcohol"; G. N. Afanas'yeva, A. I. Meos, and L. A. Vol'f (Leningrad Textile Institute) spoke on a "Method of producing high-strength polyvinyl alcohol fibers" by which strengths of 80 - 100 km and elongations of 8 - 10 % have been reached. B. Ye. Geller, S. I. Slepakova, and E. Z. Zakirov (Tashkentskiy tekstil'nyy institut - Tashkent Textile Institute), "The role of the mobility of macromolecules in the network formation process in the formation of carbochain fibers". Section 4: 31 reports were delivered and about 30 persons took part in the discussions. They dealt with: problems of testing at high deformation rates under complex stress conditions at high temperatures; automation of testing. L. P. Rudakov reported on an automatic dynamometer developed in the IVS AN SSSR for testing fibers; F. Kh. Sadykova (MTI) on

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a safe and simple method for determining the Poisson coefficient in textile fibers; Professor A. N. Sokolov (MTI), "Determination of the toughness of textile fabrics in stretching"; L. A. Layus (AS USSR) stated that in testing samples oriented by stretching the stress-temperature curves supplied better information on orientation than birefringence. N. A. Dyurich, A. Ye. Yel'kin, and V. V. Lavrent'yev (MGPI im. V. I. Lenina - MGPI imeni V. I. Lenin) reported on new apparatus and methods for determining the friction coefficient of polymers. Yu. G. Yanovskiy, G. M. Vinogradov, S. K. Krashennikov, V. S. Shifman (Institute of Petrochemical Synthesis AS USSR), and G. K. Demishev, Yu. V. Zelenov (MGPI imeni V. I. Lenin) spoke on apparatus for testing polymers with audiofrequencies. V. V. Kovriga (Moscow Institute of Fine Chemical Technology) reported on an apparatus for plotting the stress-deformation curve in one-dimensional stretching at a velocity of 25 - 30 m/sec within a wide temperature range. Section 5: 14 reports were delivered concerning theoretical and experimental studies of the mechanical properties of glass-reinforced plastics. An elaborate resolution was adopted at the final plenary meeting.

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EYZENSHTEYN, E. M.; ROGOVINA, A. A.

Eighth Conference on Macromolecular Compounds. Khim. volok. no.6:75-77 '62. (MIRA 16:1)

(Macromolecular compounds—Congresses)

EYZENSON, A. S.

"The Action of Some Sulphurous Components of Benzines on Copper Plate," Neft. Khoz., No.2, 1948

MYZER, G. S.,

Treatment of Dysentery by Phytoncides of Garlic Combined with Other Medicienes.

VOYENNO-MEDITSINSKIY ZHURNAL (MILITARY MEDICAL JOURNAL), No 12, 1954. p. 96

YESYUTIN, Leonid Sergeyevich; BUSHIN,V.P., retsenzent; ZOTOV, V.A., retsenzent; MEDVEDEV, P.I., retsenzent; EYZERMAN, V.L., retsenzent; REGEL'SON, L.M., kand. tekhn. nauk, dots., red.; DOZORTSEVA, Ch.I., red.

[Elements of antenna and wave-guide systems] Elementy antenno-volnovodnykh ustroistv. Moskva, Izd-vo Mosk. univ., 1964. 102 p. (MIRA 17:11)

Eyzerovich, A.

EYZEROVICH, A., inzh.

Dust control in flour packing departments. Muk.-elev. prom. 23 no.10: 26 O '57. (MIRA 11:1)

1. Magnitogorskaya mel'nitsa No.10.
(Dust--Removal) (Flour mills--Equipment and supplies)

SKVERCHAK, D., inzh.; EYZEROVICH, A., inzh.

Workers of the Stalinogorsk Grain Milling Combine are striving for the title of enterprise of communist labor. Muk.-elev. prom. 26 no. 12:4-7 D '60. (MIRA 13:12)
(Stalinogorsk--Flour mills)

EYZEN, O. [Eisen, O.], kand. tekhn. nauk; EYZEN, Yu. [Eisen, J.]

Aromatic hydrocarbons of the 150°-215°C fraction of Estonian oil shale tar. Izv. AN Est. SSR. Ser. fiz.-mat. i tekh. nauk 12 no.4:424-433 '63. (MIRA 17:1)

1. Institut khimii AN Estonskoy SSR.

RAZORENOV, Vadim-Igor' Fedorovich; EYZLER, Pavel Il'ich; KHILOBOK, Vitaliy Gavrilovich; GRIGOR'YEV, V.A., red.

[New method and instruments for testing cohesive soils for compact.b'lity] Novyi metod i pribory dlia ispytanii sviaznykh gr.. tov na uplotniaemost'. Leningrad, 1964. 27 p. (MIRA 17:9)

RAZGHENOV, V.F.; EYZLER, P.I.

Using the method of dynamic compacting in testing tenacious soils. Avt. dor. 28 no.5:27-28 My '65. (MIRA 18:11)

5(4) 10
AUTHORS: Ptitsyn, O. B., Eyzner, Yu. Ye. 307/76-32-10-38/39

TITLE: The Characteristic Viscosity of Polymers in Good Solvents (Kharakteristicheskaya vyazkost' polimerov v khoroshikh rastvoritelyakh)

PERIODICAL: Zhurnal fizicheskoy khimii, 1958, Vol 32, Nr 10, pp 2464-2466 (USSR)

ABSTRACT: According to Flory (Flori) (Ref 3) the exchange of a bad against a good solvent leads to an increase of the characteristic viscosity (η) according to the increase of the macromolecule. This assumption must, however, be made more precise, as in good solvents the polymer chains do not obey the Gauss statistics. Proceeding from an equation according to Zimm (Tsimm) (Ref 2) and that by Kirkwood and Riseman (Kirkvud and Rayzman) (Ref 1), as well as by Peterlin (Ref 5) by means of the Fourier (Fur'ye) series the values for λ'_K are calculated at ε = 0, 0.02, 0.04, 0.06, 0.08, 0.12, 0.16 and 0.20 and then are mentioned in a table. It was found that on an increase of the value ε from 0 (ideal solvent) to 0.20 (good solvent) the value ϕ decreases from $2.84 \cdot 10^{23}$ to $1.67 \cdot 10^{23}$.

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The function ϕ versus the quality of the solvent was investigated by Krigbaum and Carpenter (Karpenter) (Ref 7). The dependence of the value ϕ on the quality of the solvent is in the present case explained by the fact that there is a greater steric effect on the distances of the segments of the polymer chains that are at a greater distance from each other. The calculations were carried out at the Leningradskoye otdeleniye Matematicheskogo instituta AN SSSR im. V. A. Steklova (Leningrad Department of the Institute of Mathematics AS USSR imeni V. A. Steklov) under the supervision of N. P. Rynkevich. There are 1 figure, 1 table, and 7 references, 1 of which is Soviet.

ASSOCIATION: Institut vysokomolekulyarnykh soyedineniy AN SSSR (Institute of High Molecular Compounds, AS USSR)

SUBMITTED: July 17, 1957

PTITSYN, O.B.; RYZNER, Yu.Ye.

Hydrodynamics of polymer solutions. Part 3: Influence of volume effects on light scattering and on the friction coefficient of macromolecules in solution. Vysokom.soed. 1 no.7:966-977 Jl '59. (MIRA 12:11)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.
(Macromolecular compounds)

PTITSYN, O.B.; KYZNER, Yu.Ye.

Molecular interaction in polymer solutions. Part 1: Influence of volume effects on the second virial coefficient. Vysokom.soed. 1 no.8:1200-1206 Ag '59. (MIRA 13:2)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.
(Polymers)
(Chemistry, Physical and theoretical)

SOV/76-33-4-31/32

5(4)

AUTHOR: Eyzner, Yu. Ye.

TITLE: On the Paper by Bhatnagar, Biswas and Gharpurey Concerning the Theory of the Dependence of the Viscosity of Polymer Solutions on Concentration (Po povodu stat'i Bkhatnagara, Bisvasa i Garpuri o teorii kontsentratsionnoy zavisimosti vyazkosti rastvorov polimerov)

PERIODICAL: Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 4, pp 953-954 (USSR)

ABSTRACT: It is pointed out that the work carried out by the authors mentioned in the title (Ref 1) contains wrong data. The authors (Ref 1) considered the behavior of only one macromolecule in the solution and did not take into account its hydrodynamic interaction with the other macromolecules. The consideration of only the thermodynamic interaction of the macromolecule is insufficient for the consideration of hydrodynamic properties of solutions. Apart from the fact that in the series of arguments (Ref 1) equation (1) does not exhibit the mentioned dependence, the paper (Ref 1) contains an elementary mathematical error which led to equation (4) instead of (5). The experiment leads to a positive value of

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On the Paper by Bhatnagar, Biswas and Gharpurey Concerning the Theory of the Dependence of the Viscosity of Polymer Solutions on Concentration

the constant k" in the equation for the concentration dependence of the relative viscosity of polymer solutions (1), whereas according to reference 1 a negative value is obtained.

There is 1 reference.

ASSOCIATION: Akademiya nauk SSSR, Institut vysokomolekulyarnykh soyedineniy (Academy of Sciences USSR, Institute of High-molecular Compounds)

SUBMITTED: July 9, 1958

EYZNER, Yu.Ye.

Molecular interactions in polymer solutions. Part 2: Third virial coefficient of solutions of flexible macromolecular chains. Vysokom. soed. 2 no. 3:360-364 Mr '60. (MIRA 13:11)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.
(Equation of state) (Polymers)

EYZNER, Yu.Ye.

Concentration dependence of macromolecular dimensions in solution. Vysokom.soed. 3 no.5:748-757 My '61. (MIRA 14:5)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.
(Macromolecular compounds)

PTITSYN, O.B.; EYZNER, Yu.Ye.

Hydrodynamic properties of semirigid macromolecules in solution.
Dokl. AN SSSR 142 no.1:134-136 Ja '62. (MIRA 14:12)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR. Predstavleno akademikom V.A. Karginym.
(Macromolecular compounds) (Solution (Chemistry))

S/190/62/004/011/011/014
B101/B144

AUTHORS: Eyzner, Yu. Ye., Ptitsyn, O. B.

TITLE: Hydrodynamics of polymer solutions. V. Intrinsic viscosity of semirigid macromolecules

PERIODICAL: Vysokomolekulyarnyye soyedineniya, v. 4, no. 11, 1962, 1725 - 1731

TEXT: On the basis of A. Peterlin's theory (International Congress, Les grosses molécules en solution (Paris, 1948); J. Polymer Sci., 5, 473, 1950 J. Chem. Phys., 33, 1799, 1960) and of the "worm-like" chain model, an equation for the intrinsic viscosity of polymers comprising semirigid macromolecules impermeable to the solvent was derived:

$$[\eta]=\Phi\frac{(6\overline{h^2})^{3/2}}{M}, \qquad (6)$$

$$\Phi=\frac{\Phi_0}{\left[\varphi(\lambda, n)+\frac{45}{32}\sqrt{\frac{2\pi}{3}}\frac{1}{3-\sqrt{2}}\frac{b}{r_0}\sqrt{\frac{\lambda}{n}}\right]\chi^{3/2}(n/\lambda)}, \qquad (7)$$

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$$\chi\left(\frac{n}{\lambda}\right)=\frac{3\overline{R}^2}{b^2\lambda n}=1-\frac{3}{(n/\lambda)^3}\left[\left(\frac{n}{\lambda}\right)^2-2\left(\frac{n}{\lambda}-1+e^{-n/\lambda}\right)\right], \quad (8)$$

$$\varphi(\lambda,\ n)=\sqrt{\frac{\pi}{3}}\cdot\frac{15}{4(3-\sqrt{2})}\cdot\frac{1}{\sqrt{\lambda}n^{3/2}}\left\{\sum_{k=1}^{n-1}\frac{(k^2+k-nk-2n)\,\psi(k/\lambda)}{\sqrt{(k/\lambda)-1+\exp(-k/\lambda)}}+\right.$$

$$\left.+\sum_{k=1}^{\frac{n}{2}-1}\frac{[(n^2/2)-2k^2+n]\,\psi(k/\lambda)}{\sqrt{(k/\lambda)-1+\exp(-k/\lambda)}}\right\}. \quad (9)$$

where $r_0=\zeta/6\pi\eta_0$ is the hydrodynamic radius of the monomer link. Hence

$$2^{3/2}\Phi_0\frac{b^3}{Mr_0}\cdot\frac{n}{[\eta]}\chi\left(\frac{n}{\lambda}\right)=\sqrt{\frac{2\pi}{3}}\frac{45}{32(3-\sqrt{2})}\cdot\frac{b}{\lambda r_0}+\frac{1}{\lambda^{3/2}}\cdot\varphi(\lambda,\ n)\,n^{1/2}. \quad (11)$$

follows for the Flory coefficient. The following suggestion is made for evaluating the experimental data:

The value $2^{3/2}\,\Phi_0(b^3/M_0)\cdot(n/[\eta])\lambda(n/\lambda_{init})$ is represented graphically for an arbitrary λ_{init} as a function of $\varphi(\lambda_{init},\ n)n^{1/2}$. The method of the least squares was used to find the position of the straight line in the spread field of the points measured; λ_{fin} was determined from the slope of this

Hydrodynamics of polymer ...

straight line. The true value of λ is then obtained from the intersection $\lambda_{init} = \lambda_{fin}$. The intersection of the straight line and the ordinate axis gives r_0^3. Thus, the values obtained for the molecular weight and the molecule radii of deoxyribonucleic acid and trinitrocellulose are in good agreement with the experimental values obtained from light scattering (DRA, numerous Western papers, the most recent reference: J. Eigner, Thesis, Harvard University, Cambridge, Massachusetts, 1960; Trinitrocellulose: G. Meyerhoff, J. Polymer Sci., 29, 399, 1958). With semi-rigid molecules impermeable to the solvent, Φ is much smaller than $\Phi_0 = 2{,}86 \cdot 10^{23}$ while $\Phi^{1/3} p^{-1}$ differs little from $\Phi_0^{1/3} p^{-1} = 1.29 \cdot 10^{-7}$. There are 6 figures and 1 table.

ASSOCIATION: Institut vysokomolekulyarnykh soyedineniy AN SSSR (Institute of High-molecular Compounds AS USSR)

SUBMITTED: July 13, 1961

Card 3/3

EYZNER, Yu.Ye.; PTITSYN, O.B.; PILIPOSYAN, A.G.

Hydrodynamics of polymer solutions. Part 6: Intrinsic viscosity of partially penetrable flexible macromolecules in good solvents. Vysokom.soed. 5 no.11:1711-1716 N '63. (MIRA 17:1)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR i Vychislitel'nyy TSentr AN Armyanskoy SSR.

EYZNER, Yu.Ye.; PTITSYN, O.B.

Hydrodynamics of polymer solutions. Part 7. Effect of long-range interaction on the intrinsic viscosity of macromolecules near the θ-point. Vysokomol.soed. 6 no. 5:777-781 My '64. (MIRA 17:6)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.

CHERKASOV, A.N.; KLENIN, S.I.; ENTELIS, Yu.Yu.

Determination of the diffusion coefficients of separate components diffusing in a mixture. Vysokom. soed. 7 no.5:903-907 My '65. (MIRA 18:9)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.

L 40782-65 EWA(j)/EWT(m)/EPF(c)/EWP(j)/EWA(b)-2/T Pc-4/Pr-4 RM
ACCESSION NR: AP5005997 S/0217/65/010/001/0003/0006

AUTHOR: Ptitsyn, O. B.; Eyzner, Yu. Ye.

TITLE: A theory of the globule-clump transformation in macromolecules

SOURCE: Biofizika, v. 10, no. 1, 1965, 3-6

TOPIC TAGS: macromolecule, globule, polymer chain, polymer swelling

ABSTRACT: The author presents a mathematical study of macromolecule forms. The presence of cooperative transformation of a globule into a clump and of the reverse phenomenon of the globularization of polymer chains is thought to follow under certain conditions from very general considerations of the physics of macromolecules; and, in contrast to the transformation of a spiral into a globule, globularization of macromolecules is a true phase transition of the first order of the gas liquefaction type. The presence of a critical point for the transformation of a globule into a clump in which there are large fluctuations in volume can lead to the phenomenon of intramolecular critical opalescence. It is possible that the presence of a critical point is related to the mechanism of enzymatic catalysis which, according to the hypothesis of Linderström-Lang is associated with fluctuations in the structure of the protein molecule. The joining of the molecules of

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L 40782-65
ACCESSION NR: AP5005997

the substrate to the enzyme molecule may transfer it into a critical state in which structural fluctuations are especially great. Orig. art. has: 2 figures, 7 formulas.

ASSOCIATION: Institut vysokomolekulyarnykh soyedineniy AN SSSR, Leningrad (Institute of High Molecular Weight Compounds, AN SSSR)

SUBMITTED: 19Dec63 ENCL: 0 SUB CODE: LS, OC

NO REF SOV: 002 OTHER: 007

Card 2/2

BELEN'KIY, B.G.; ORFSTOVA, V.A.; EYZNER, Yu.Ye.

For higher accuracy of the quantitative analysis by means of a gas chromatograph with argon ionization detector. Zhur. anal. khim. 20 no.9:934-940 '65. (MIRA 18:9)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR, Leningrad.

BELEN'KIY, B.G.; EYZNER, Yu.Ye.

Determination of calibration factors from two binary mixtures of unknown composition. Zhur.fiz.khim. 39 no.7:1750-1752 Jl '65. (MIRA 18:8)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.

EZ, V.V.
USSR/Geophysics - Coal shafts

FD 390

Card 1/1

Author : Ez, V. V.

Title : Chronicles: Results of investigations into geophysical conditions surrounding the occurrence of sudden eruptions of coal and gas in coal shafts

Periodical : Izv. AN SSSR, Ser. geofiz. 3, 302-303, May/Jun 1954

Abstract : At the end of 1953 a scientific council of the Geophysics Institute, Acad Sci USSR, held a session devoted to summarizing the works conducted in this institute on the problem "the Control of Sudden Eruptions of Coal and Gas in Coal Shafts." Opening words by V. V. Belousov, Corr. Mem. Acad Sci USSR. Reports were delivered by V. V. Ez, Cand. Geol-Min. Sci., M. P. Volarovich, Dr. Phys-Math Sci (in the Laboratory of Seismic Modeling [Laboratoriya seysmomodelirovaniya]), Yu. V. Riznichenko, Dr. Phys-Math. Sci., and M. S. Antsyferov, Cand. Phys-Math. Sci.

Institution :

Submitted :

EZ, V., kandidat geologo-mineralogicheskikh nauk.

Formation of minerals. Tekh.mol. 22 no.6:22-23 Je '54. (MLRA 7:6)
(Mineralogy)

KZ, V.V.

Tectonics of the northwestern part of the central Kara-Tau.
Sov.geol. no.41:115-130 '54. (MLRA 8:6)
(Kara-Tau--Geology)

Ez, V. V.

USSR/Geophysics - Structural geology FD-2585

Card 1/1 Pub. 44 15/19

Author : Kirillova, I. V.; Sorskiy, A. A.; Ez, V. V.

Title : Letter to the editor

Periodical : Izv. AN SSSR, Ser. geofiz, Jul-Aug 55, 389-390

Abstract : The author found very interesting and urgent the article of G. I. Gurevich "So-called mechanical analysis in geological literature", which tries to show how geologists apply data of the exact sciences to the solution of certain problems of structural geology and from what principles they proceed. G. I. Gurevich clearly discloses the intolerable position created in the exposition and application of methods of mechanics and physics, and consequently also in the USSR; he clearly shows that the pseudoscientific "principles" of the mechanics of the deformable body, which are expounded in many words on structural geology, can find no application in geological practice, since they comprise only a scientific-like terminological shell in many works. The present author cannot agree with the assertion of the editors of this journal that G. I. Gurevich in effect accuses Soviet geologists with "knowingly prefraining from the intelligent use of methods of physics and mechanics."

Institution :

Submitted :

E 2, V V.

BELOUSOV, V.V.; CHERTKOVA, Ye.I.; EZ, V.V.

Scale models of pitching folds. Biul.MOIP.Otd.geol. 30 no.5:117-124 S-O '55. (Folds (Geology)) (MLRA 9:1)

EZ, V.V.

Dzhilaganatinskiy sloping overthrust folding in the Kara-Tau,
Biul.MOIP.Otd.geol. 31 no.2:79-91 Mr-Ap '56. (MLRA 9:8)
(Kara-Tau--Folds (Geology))

EZ, V.V.

Microtectonics of coal formations and sudden outbutsts. Trudy Geofiz.inst.no.34:5-73 '56. (MLRA 10:2)
(Coal geology) (Mine gases)

E 2, UV.

GOTSADZE, O.D.; KIRILLOVA, I.V.; KOGAN, S.D.; KUKHTIKOVA, T.I.; MALINOVSKAYA, L.N.; SORSKIY, A.A.; KEYLIS-BOROK, V.I., doktor fiziko-matematicheskikh nauk, otvetstvennyy redaktor; ZAYTSEV, L.P., redaktor izdatel'stva; [illegible] V.V., redaktor izdatel'stva; SHEVCHENKO, G.N., tekhnicheskiy redaktor.

[Investigation of the mechanism of earthquakes] Issledovanie mekhanizma zemletriasenii. Moskva, Izd-vo Akademii nauk SSSR, 1957. 148 p. (Akademiia nauk SSSR. Geofizicheskii institut. Trudy, no.40). (MIRA 10:10)

(Seismology)

AUTHOR: Ez, V.V. SOV/5-58-4-10/43

TITLE: The Role of Longitudinal Folding of Layers and Layer Distribution at the Formation of a Complete Fold (O roli prodol'nogo izgiba sloyev i posloynogo pereraspredeleniya materiala v obrazovanii polnoy skladchatosti)

PERIODICAL: Byulleten' Moskovskogo obshchestva ispytateley prirody, Otdel geologicheskiy, 1958, Nr 4, pp 117-130 (USSR)

ABSTRACT: Based on the analysis of the basic morphological particularities of folds, the conclusion is reached that the bending of layers under the influence of forces acting longitudinally to the stratification is the fundamental process in the mechanism of forming complete foldings, while the re-distribution of the material inside the layers is a secondary phenomenon which is superimposed on the fold, and which makes it more or less complicated. In connection with this statement the author quotes the following scientists: M.M. Tetyayev, V.V. Belousov, and P.N. Kropotkin. There are 7 diagrams, 2 photographs and 22 references, 20 of which are Soviet, 1 English and 1 German.

1. Geology 2. Geophysics

Card 1/1

EZ, V.V.

Mechanics of holomorphic folding. Geol. sbor. [Lvov] no.5/6: 462-477 '58. (MIRA 12:10)

1. Institut fiziki Zemli AN SSSR, Moskva.
(Folds (Geology))

EZ, V.V.

Experimental reconstruction of folding with different strike folds. Biul.MOIP.Otd.geol. 34 no.4:113-116 Jl-Ag '59. (MIRA 13:8)
(Folds (Geology))

S/049/59/000/12/013/027
E131/E391

AUTHOR: Ez, V.V.

TITLE: On the Tectonic Properties of the Region of Deep Earthquakes in the Eastern Carpathians

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geofizicheskaya, 1959, Nr 12, pp 1839 - 1844 (USSR)

ABSTRACT: The author investigated the geological conditions of earthquakes in Rumania in the summer of 1958. The results of his survey are illustrated in Figures 1-5, which show the following: the epicentric region of the Carpathian earthquakes (Figure 1), hypsometric chart of the area (Figure 2), courses of rivers in the area (Figure 3), the Fokshani depression (Figure 4), isostatic anomalies (Figure 5). The author was assisted in his investigations by Professor M. Pauke, Professor I. Dumitresku and V. Lazaresku.
There are 5 figures and 7 references, 5 of which are Soviet, 1 Rumanian and 1 Ukrainian.

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S/049/59/000/12/013/027
E131/E391

On the Tectonic Properties of the Region of Deep Earthquakes in the Eastern Carpathians

ASSOCIATION: Akademiya nauk SSSR Institut fiziki Zemli
(Institute of Physics of the Earth of the Ac.Sc.USSR)

SUBMITTED: February 11, 1959

Card 2/2

EZ, V.V.

Detailed biostratigraphy of Famennian sediments in the central Kara-Tau (southern Kazakhstan). Izv.vys.ucheb.zav.;geol.i razv. 4 no.7:22-33 Jl '61. (MIRA 14:8)

1. Institut fiziki Zemli AN SSSR.
(Kara-Tau--Paleontology, Stratigraphic)

EZ, V.V.; GAFT, D.Ye.

Factors in the formation and characteristic features of dislocation breccia in the Middle Paleozoic carbonate layer of the Kara-Tau (southern Kazakhstan). Izv. AN SSSR. Ser.geol. 27 no.9:75-89 S '62. (MIRA 15:9)

1. Institut fiziki Zemli imeni O.Yu. Shmidta AN SSSR, Moskva.
(Kara-Tau--Breccia)

ACCESSION NR: AP4023370 S/0049/64/000/002/0161/0173

AUTHOR: Ez, V. V.

TITLE: Tectonic conditions for development of strong earthquakes in the Czechoslovakian Carpathians

SOURCE: AN SSSR. Izv. Seriya geofizicheskaya, no. 2, 1964, 161-173

TOPIC TAGS: earthquake, strong earthquake, tectonics, tectonic condition, Czechoslovakia, Carpathians, Czechoslovakian Carpathians

ABSTRACT: The author has analyzed recent tectonic movements and the distributional pattern of earthquake centers to delineate relationships between earthquakes and the rearrangements of tectonic structure as seen in the developing basin zones of former uplifts and the accompanying, differentially moving blocks of the earth's crust. He has found a close connection. He considers the most urgent task now to be a more detailed historical study of late tectonic movements. The most important question concerns a comparative evaluation of intensity and age of relative movements between basins and adjacent ranges: which basins have already stopped their movement, which are still moving, and with what intensity? It is

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ACCESSION NR: AP4023370

extremely important to discover the extent of "contrast coupling" between rising mountain structures and subsiding basins (down to Late Quaternary time), as has been observed for the Western Carpathians. More detailed work is essential in the large basins in order to separate the parts where subsidence has been chiefly Quaternary, especially Late Quaternary. When these data are obtained there will be reliable material for comparing geological and seismic relations, and the region may then be divided into seismic districts. Orig. art. has: 2 figures.

ASSOCIATION: Akademiya nauk SSSR Institut fiziki Zemli (Academy of Sciences SSSR Institute of Physics of the Earth)

SUBMITTED: 22Apr63 DATE ACQ: 27Mar64 ENCL: 00

SUB CODE: AS NO REF SOV: 001 OTHER: 014

Card 2/2

EZ, V.V.; GAFT, D.Ye.; KUZNETSOV, B.I.; SHEYNMANN, Yu.M., otv. red.

[Morphology and conditions governing the formation of holomorphic folding as revealed by a study of the Silair synclinorium of the Southern Urals] Morfologiia i usloviia obrazovaniia golomorfnoi skladchatosti na primere Zilairskogo sinklinoriia IUzhnogo Urala. Moskva, Nauka, 1965. 100 p. (MIRA 18:5)

1. Institut fiziki Zemli AN SSSR (for Ez, Gaft, Kuznetsov).

EZAFOVICH, A.S. (g.Frunze); DUYUNOV, I.K. (g.Frunze)

Utilization of ground waters for irrigation purposes by the regulation of drainage. Gidr. i mel. 13 no.4:14-21 Ap '61. (MIRA 14:4)

(Chu Valley--Water, Underground) (Drainage)

L 00844-67 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l)

ACC NR: AR6014098 SOURCE CODE: UR/0272/65/000/011/0110/0110

27
B

AUTHOR: Ezakeli, V. I.

TITLE: General tendencies in the development of automation systems for technological processes with the use of elements of jet engineering

SOURCE: Ref. sh. Metrologiya i izmeritel'naya tekhnika, Abs. 11.32.960

REF SOURCE: Sb. tr. Rustavsk. proyektno-konstrukt. in-t Avtomatprom, vyp. 2, 1964, 83-101

TOPIC TAGS: industrial automation, metallurgic industry

ABSTRACT: The advantages and disadvantages of a universal system of elements of industrial pneumatic automation (USEPP) and aggregate unified system (AUS) are pointed out. The distinctive features of jet techniques, based on the use of the hydroaerodynamic effect, are indicated. The advantages of jet elements as compared with USEPP and AUS are indicated. The design principle of the elements is described, and the circuits and characteristics of some of them are given. A system of modules for jet techniques developed by the Institute of Automation and Remote Control AN SSSR (Institut avtomatiki i telemenkhaniki AN SSSR) is examined. The possible areas of application of jet techniques for controlling technological processes, for example, in the metallurgical industry, are indicated. 8 illustrations. Bibliography of 7 citations. M. Mekler [Translation of abstract]

SUB CODE: 13

Card 1/1 pb

UDC: 389:62-525

EZDRIN, K. B., inzhener.

The five-story schoolhouse has been erected in 56 days. Stroitel' 2 no.10:3-4 O '56. (MLRA 10:1)
(Moscow--Schoolhouses)

EZDRIN, K.B., inzhener.

Work of the engineering office on demonstration of construction with large building blocks. Biul. stroi. tekh. 13 no.6:20-21 Je '56. (MLRA 9:9)

(Building blocks)

ORENTLIKHER, L.P., inzhener.; [redacted]ZDRIN, K.B.

Building schoolhouses using large blocks. Nov. tekh. i pered. op. v stroi. 18 no.5:19-23 My '56. (MLRA 9:12)
(Schoolhouses) (Concrete blocks)

EZDRIN A.B.

MAMAYSHKOV, G.M., montazhnik; EZDRIN, K.B., inzhener; KUCHEROV, A.I., inzhener, nauchnyy redaktor; KRYUGER, Yu.V., redaktor izdatel'stva; GUSEVA, S.S., tekhnicheskiy redaktor

[Large-panel construction of schools] Opyt stroitel'stva krupnoblochnykh shkol'nykh zdanii. Moskva, Gos.izd-vo lit-ry po stroit. i arkhit., 1957. 47 p. (MLRA 10:10)
(Schoolhouses)
(Reinforced concrete construction)

EZDRIN, K., inzh.

Chink liner. Stroitel' no.4:8 Ap '58. (MIRA 11:5)
(Walls)

EZDRIN, K. p. inzh.

New structural solutions in large-panel building and some requirements concerning building materials. Stroi. mat. 4 no.8:5-9 Ag '58. (MIRA 11:9)
(Building materials) (Concrete slabs)

EZDRIN, Konstantin Borisovich; FINKINSHTEYN, Boris Abramovich; VERSHININ, M.V., red.; ZERNOV, G.M., otv. za vypusk; SUKHAREVA, R.A., tekhn.red.

[Houses built of large keramzit-concrete panels; construction of block 11 in Novyye Cheremushki] Doma iz krupnykh keramzitobetonnykh panelei; opyt stroitel'stva 11-go kvartala Novykh Cheremushek. Moskva, 1959. 36 p. (Moskovskii dom nauchno-tekhnicheskoi propagandy. Peredovoi opyt proizvodstva. Seriia: Stroitel'stvo, vyp. 5). (MIRA 13:6)

(Moscow--Apartment houses)

SOMOV, Valentin Ivanovich; EZDRIN, Konstantin Borisovich; ANISIMOV, Feliks Vladimirovich, inzh.; UKRAINCHIK, M.M., inzh., red.

[Residential building made of three-dimensional vibration-rolled elements; from construction practices in block no.113 of Novyye Kuz'minki (Moscow)] Zhiloi dom iz ob"emnykh vibroprokatnykh elementov; opyt stroitel'stva v 113 kvartale Novykh Kuz'minok (Moskva). Moskva, Gosstroiizdat, 1961. 41 p. (MIRA 15:8)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu. Byuro tekhnicheskoy informatsii. 2. Glavnyy inzhener konstruktorskogo otdela Moskovskogo instituta tipovogo i eksperimental'nogo proyektirovaniya Moskovskogo gorodskogo soveta deputatov trudyashchikhsya (for Somov). 3. Rukovoditel' gruppy metodicheskikh kabinetov tresta "Mosorgstroy" Glavnogo otdeleniya po zhilishchnomu i grazhdanskomu stroitel'stvu v gorode Moskve (for Ezdrin). 4. Metodicheskiy kabinet tresta "Mosorgstroy" na zastroyke rayona Novyye Kuz'minki (for Anisimov).

(Precast concrete construction)
(Moscow--Apartment houses)

ROZENFEL'D, Aleksandr Grigor'yevich; EZDRIN, Konstantin Borisovich; UKRAINCHIK, M.M., inzh., red.

[Construction of large-panel apartment houses according to the series 1605A Standard plan of the "Giprostroiindustriia" Institute; building of a residential block in Fili-Mazilovo in Moscow (practices of the Main Administration for Housing and Public Construction in the City of Moscow)]Stroitel'stvo krupnopanel'nykh zhilykh domov po tipovomu proektu serii 1605A Institua "Giprostroiindustriia"; zastroika zhilogo kvartala v Fili-Mazilovo v Moskve (opyt Glavmosstroia). Moskva, Gosstroiizdat, 1961. 53 p. (MIRA 15:8)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu. Byuro tekhnicheskoy informatsii. 2. Glavnyy konstruktor Instituta "Giprostroyindustriya" (for Rozenfel'd). 3. Rukovoditel' gruppy metodicheskikh kabinetov tresta "Mosorgstroy" Glavnogo upravleniya po stroitel'stvu i vosstanovleniyu zheleznodorozhnykh mostov (for Ezdrin). (Moscow--Apartment houses)

LAVRETSKIY, L.N., inzh.; ORLOVSKIY, B.Ya., inzh.-arkh.; FINKINSHTEYN, B.A., inzh.; EZDRIN, K.B., inzh.; UKRAINCHIK, M.M., inzh., red.

[One-story industrial building with no monitor and with a flat roof and a large network of columns]Odnoetazhnoe besfonarnoe promyshlennoe zdanie s ploskoi krovlei i krupnorazmernoi setkoi kolonn; iz opyta tresta "Mosstroi-5" Glavmosstroia. Moskva, Gosstroiizdat, 1961. 72 p. (MIRA 15:9)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu. Byuro tekhnicheskoy informatsii. 2. Zamestitel' upravlyayushchego trestom "Mosstroy-5" (for Orlovskiy). 3. Starshiy prepodavatel' Vsesoyuznogo zaochnogo politekhnicheskogo instituta (for Finkinshteyn). 4. Rukovoditel' gruppy metodicheskikh kabinetov tresta "Mosorgstroy" Glavnogo otdeleniya po zhilishchnomu i grazhdanskomu stroitel'stvu v g. Moskve (for Ezdrin).
(Moscow--Factories--Design and construction)

EZDRIN, K.; SMOTRICH, B.

Suggestions made by crew chief Iurii Baranov. Stroitel'. no.7:10 Jl '61. (MIRA 14:8)
(Moscow--Building--Technological innovations)

MARKOV, Borin Glebovich, inzh.; EZDIN, Konstantin Borisovich, inzh.; UKRAINCHIK, M.M., inzh., red.

[Construction of covered markets using 40x40m double curvature precast reinforced shells] Stroitel'stvo krytykh rynkov s ispol'zovaniem sbornykh zhelezobetonnykh obolochek dvoiakoi krivizny razmerami 40x40 m. Moskva, Gosstroiizdat, 1962. 46 p. (MIRA 17:7)

1. Akademiya stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'skiy institut organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu. 2. Glavnyy konstruktor otdela po proyektirovaniyu predpriyatiy torgovli Gosudarstvennogo instituta po proyektirovaniyu predpriyatiy torgovli i obshchestvennogo pitaniya Ministerstva torgovli RSFSR (for Markov).

LEVITAN, Ye.P., kand. tekhn. nauk; TARGANSKIY, N.L., inzh.;
EZDRIN, K.B., inzh.; UKRAINCHIK, M.M., inzh., red.

[Assembling precast reinforced concrete roofs for large-panel buildings; practices of the Main Construction Administration of the city of Moscow] Montazh sbornykh zhelezobetonnykh krysh krupnopanel'nykh zdanii; iz opyta Glavmosstroia. Moskva, Stroiizdat, 1964. 31 p.
(MIRA 18:5)

1. Rukovoditel' sektora pokrytiy TSentral'noy laboratorii teplofizicheskikh issledovaniy elementov zdaniy Nauchno-issledovatel'skogo instituta stroitel'noy fiziki Gosstroya SSSR (for Targanskiy). 2. Glavnyy inzhener proyektov tekhnicheskogo otdela Instituta po proyektirovaniyu zhilishchno-grazhdanskogo stroitel'stva (for Ezdrin).

15-57-8-11389

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 8, pp 182-183 (USSR)

AUTHOR: Ezdrin, M. B.

TITLE: Petroleum-Gas Potential of the Interfold Depressions of the Saratov Volga District (Perspektivy neftegazonosnosti mezhfleksurnykh depressiy Saratovskogo Povolzh'ya)

PERIODICAL: Novosti neft. tekhn. Geologiya, 1956, Nr 3, pp 3-6

ABSTRACT: The interfold depressions of the Saratov Volga district were formerly considered to be oil accumulation traps feeding the adjacent parts of the folds with hydrocarbons. Now folded uplifts have been established at a depth in these depressions, particularly, in the Latrysko-Karamyshskaya depressiya (depression) located to the south of the Yelshanka-Sergiyevka fold. High-yield deposits of petroleum

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Petroleum-Gas Potential of the Interfold (Cont.)

and gas in the Carboniferous rock are associated with these uplifts. The deposits of gas in the Stalinogorsk level are characterized by pressures up to 160 atmospheres and yields up to 4,000 000 cu m. Local uplifts in the interfold depressions may be revealed by seismographic exploration followed by structural analysis.

Card 2/2

Yu. A. Kosygin

EZDRIN, M. B.

GROSSGEYM, Vladimir Aleksandrovich; YEREMENKO, Nikolay Andreyevich; ZAYTSEV, Nikolay Sergeyevich; ZUBOV, Ivan Petrovich; KOSYGIN, Yuriy Aleksandrovich; PUSTIL'NIKOV, Mark Romanovich; ROSTOVTSEV, Nikolay Nikitich; SLAVIN, Vladimir Il'ich; KHAIN, Viktor Yefimovich; KHALTURIN, Dmitriy Sergeyevich; CHERVINSKAYA, Marina Vladimirovna; SHCHERIK, Yevgeniya Aleksandrovna; EZDRIN, Mikhail Borisovich; KOSYGIN, Yu.A., red.; SHOROKHOVA, L.I., ved.red.; MUKHINA, E.A., tekhn.red.

[Tectonics of petroleum provinces] Tektonika neftenosnykh oblastei. Moskva, Gos.nauchno-tekhn. izd-vo neft.i gorno-toplivnoi literatury. Vol.2 [Regional tectonics of petroleum provinces of the U.S.S.R.] Regional'naia tektonika neftenosnykh oblastei SSSR. 1958. 613 p. (MIRA 11:12)

1. Chlen-korrespondent AN SSSR (for Kosygin)
(Petroleum geology)

YENGURAZOV, I.I.; EZDRIN, M.B.

Prospecting for structures in the Saratov trans-Volga region.
Geol.nefti 2 no.12:6-11 D '58. (MIRA 12:2)

1. Nizhne-Volzhskiy filial Vsesoyuznogo nauchno-issledovatel'skogo geologo-razvedochnogo neftyanogo instituta.
(Saratov Province--Gas, Natural--Geology)
(Saratov Province--Petroleum geology)

EZDRIN, M.B.

Geological prerequisites for the development of oil and gas prospecting in Saratov Province. Geol.nefti i gaza 3 no.10: 15-20 O '59. (MIRA 12:12)

1. Nizhne-Volzhskiy filial Vsesoyuznogo nauchno-issledovatel'skogo geologo-razvedochnogo instituta.
(Saratov Province--Petroleum geology)
(Saratov Province--Gas, Natural--Geology)

EZDRIN, M.B.

Oil and gas potentials of the Paleozoic in the Volga Valley protion of Saratov Province. Trudy VNIGNI no.28:80-89 '60. (MIRA 14:4)
(Volga Valley--Petroleum geology)
(Volga Valley--Gas, Natural--Geology)

KOZLENKO, S.P.; MASHKOVICH, K.A.; KHRAMOY, A.I.; EZDRIN, M.B.

Shore area of the Caspian Lowland; future prospects for increasing oil and gas production in the lower Volga Valley. Geol. nefti i gaza 6 no.12:24-32 D '62. (MIRA 15:12)

1. Nizhnevolzhskiy nauchno-issledovatel'skiy institut geologii i geofiziki.
(Caspian Lowland—Petroleum geology)
(Caspian Lowland—Gas, Natural—Geology)

EZDRIN, M.

Conference on the plan of regional geological and geophysical studies in the marginal zone of the Caspian Depression. Geol. nefti i gasa 7 no.5:54-56 My '63. (MIRA 16:6)

(Caspian Depression—Prospecting—Geophysical methods)

KOLESNIK, A.P.; EZDRIN, M.B.

Results of the conference on regional geological and geophysical studies in the marginal zone of the Caspian Lowland. Sov. geol. 7 no.7:147-152 Jl '64. (MIRA 17:11)

1. Nizhne-Volzhskiy nauchno-issledovatel'skiy institut geologii i geofiziki.

EZDRIN, M.B.

Towards an evaluation of the prospects for finding gas and oil in the Paleozoic of the Saratov and Volgograd portion of the Volga Valley. [Trudy] NIIneftegaza no.10:295-307 '63. (MIRA 18:3)

1. Nizhnevolzhskiy nauchno-issledovatel'skiy institut geologii i geofiziki.

KOLESNIK, A.; MYDRIN, M.

Nihilistic criticism of the theory of the organic origin of oil.
Geol. nefti i gaza 8 no.7:47-53 Jl '64. (MIRA 17:12)

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ABSTRACT: The article describes how, after the failure of freon air-conditioning units in the driver's cabins of stripper cranes at the Chelyabinsk Metallurgical Works through excessive ambient temperatures, wet-coke filter ventilation systems were introduced. The air passes through the constantly wetted coke bed and into the cabin via a duct. The brief account given mentions the need for thermal insulation of the components. There is one figure.

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