

PETUKHOV, Rem Mikhaylovich; ZAV'YALOVA, A.N., red.

[Method of the economic evaluation of the wear and  
operational life of machinery] Metodika ekonomicheskoi  
otsenki iznosa i srokov sluzhby mashin. Moskva, Ekono-  
mika, 1965. 163 p. (MIRA 18:3)

SOMINSKIY, Vladimir Samuilovich. Prinsipal'noye uchastie AVERBUKH, A.Ya.,  
kand. khim. nauk; KLIMENKO, K.I., doktor ekon. nauk,  
retsensent; ZAV'YALOVA, A.N., red.

[Economics of new production] Ekonomika novykh proizvodstv.  
Moskva, Ekonomika, 1965. 213 p. (MIRA 18:4)

POSTNIKOV, Vladimir Ivanovich; RAZUMOV, Ippolit Mikhaylovich;  
ZAV'YALOVA, A.N., red.

[Atomic energy in the national economy; its economics and  
use] Atomnaya energiya v narodnom khoziaistve; ekonomika  
i opyt primeneniia. Moskva, Ekonomika, 1964. 174 p.  
(MIRA 17:11)

BORODKIN, Igor' Arkad'yovich; ZAV'YALOVA, A.N., red.

[Economics and planning in the rubber industry] Ekonomika  
i planirovanie rezinovoï promyshlennosti. Moskva, Ekono-  
mika, 1964. 204 p. (MIRA 17:7)

SHCHUKIN, Aleksey Grigor'yevich; SHKOL'NIKOV, Boris Yakovlevich;  
ZAV'YALOVA, A.N., red.; MOZGALEVSKAYA, S.A., mlad. red.;  
PONOMAREVA, A.A., tekhn. red.; GERASIMOVA, Ye.S., tekhn.  
red.

[The technical, industrial and financial plan of the enter-  
prises of local significance] Tekhpromfinplan predpriatii  
mestnogo znachenia. Moskva, Ekonomizdat, 1963. 295 p.  
(MIRA 17:4)

ZAV'YALOVA, A. P.

Zav'yalova, A. P. "Chemical and toxicological nature of the lipoprotein which produces alimentary-toxic alexia," Trudy Kvybyshevsk. gos. med. in-ta, Vol. I, 1948, p. 262-70

SO: U-2888, Letopis Zhurnal'nykh Statey, No. 1, 1949

KOVALEY, P.A.; ZAV'YALOVA, A.P.

Experiments with the mulberry silkworm. Est. v shkole no.3:80-82 My-Je '53  
(MLRA 6:5)  
(Silkworms)

ZAVYALOVA, A.P.,  
A. M. PETRUNKIN, Arch. sci. biol. 32, 61-7 (1932)



ZAV'YALOVA, A.Yu.; ZAV'YALOV, G.I.; PRILEZHAYEVA, N.A.

Broadening of the mercury  $\lambda 2537 \text{ \AA}$  resonance line in the presence  
of some complex molecules. Izv. vys. ucheb. zav.; fiz. no.5:3-7  
'64. (MIRA 17:11)

1. Krasnodarskiy pedagogicheskiy institut imeni 15-letiya Vsesoyuz-  
nogo Leninskogo kommunisticheskogo soyuza molodezhi.

ZAV'YALOV, G.I.; ZAVYALOVA, A.Yu.

Investigating the absorption spectra of mercury vapors in the region of  $\lambda$  2537 Å in the presence of vapors of certain spirits. (MIRA 14:10)  
Izv.vys.ucheb.zav.; fiz. no.4:168-171 '61.

1. Krasnodarskiy pedagogicheskiy institut imeni 15-letiya  
Vsesoyuznogo Leninskogo kommunisticheskogo soyuza molodezhi.  
(Mercury--Spectra) (Spirits--Spectra)

VALEYEV, A.M.; GOLEV, Yu.D.; GOLEVA, Z.N.; GOLOVKO, R.Ye.; ZAVIYALOVA, B.A.;  
ZARETSKIY, B.A.; ZVEREV, Ye.A.; LIPINSKIY, F.A.; MANGUSHEV, I.Kh.;  
MEYZLER, M.Kh.; MUTOVKIN, V.A.; RUDAKOV, Ya.D.; RUKOVANOV, B.P.;  
KHASANOV, G.M.; ESTRIN, Z.I.; ZUDIN, B.A., red.; BORUNOV, N.I., tekhn. red.

[Adjustment and operation of equipment in the Novo-Ufimskii Heat and  
Electric Power Plant] Maladka i ekpluatatsia oborudovaniia na Novo-  
Ufimskoi TETs. Moskva, Gos. energ. izd-vo, 1961. 175 p. (MIRA 14:9)  
(Bashkiria—Electric power plants)  
(Bashkiria—Heating from central stations)

ZAV'YALOVA, E. I.

"Increasing the Resistance of Winter Wheat Against Soaking by  
Selecting Seeds From Plants Which Have Survived Soaking." Cand Agr  
Sci, All-Union Inst of Plant Growing, VASKhNIL, Leningrad, 1953.  
(RZhBiol, No 6, Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR  
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SO: Sum. No.521, 2 Jun 55

**"APPROVED FOR RELEASE: 03/15/2001**

**CIA-RDP86-00513R001964020006-3**

**APPROVED FOR RELEASE: 03/15/2001**

**CIA-RDP86-00513R001964020006-3"**

ZAV'YALOVA, I.A.  
ZAV'YALOVA, I.A.  
ZAV'YALOVA, I.A.

Problem of side effects of lipiodol in bronchography. Sov.med.19  
no.8:76-77 Ag '55. (MLRA 8:10)

1. Iz kafedrygospital'noy terapii (zav.-prof. L.S.Shvarts)  
Saratovskogo meditsinskogo instituta.

(BRONCHI, radiography

contrast media, iodized oils, side effects, allergy)

(CONTRAST MEDIA, injurious effects,

iodized oils in bronchography, causing allergy)

(ALLERGY

to iodized oils in bronchography)

ZAV'YALOVA, I.A. (Saratov)

Mechanism of the therapeutic effect of penicillin in intratracheal administration. Klin.med. 34 no.8:71-73 Ag '56.  
(MIRA 12:8)

1. Iz kafedry gosptal'noy terapii (zav. - prof. L.S.Shvarts) Saratovskogo meditsinskogo instituta.

(LUNGS, abscess

ther., penicillin, intratracheal admin.)

(PENICILLIN, ther. use

lung abscess, intratracheal admin.)

(ABSCESS, ther.

penicillin in lung abscess, intratracheal admin.)

ZAV'YALOVA, I. A. Cand Med Sci -- (diss) "On the Change in  
the Bronch~~es~~ During Pulmonary Pyosis (Clinical and Morphological  
Data)." Saratov, 1957. 12 pp 19 cm. (Min of Health ~~USSR~~ RSFSR,  
Saratov State Medical Inst), 260 copies (KL, 27-57, 109)

- 68 -



ZAVIYALOVA, Iraida Alekseyovna

Of the changes of the Bronchial tubes concerning pulmonary suppuration.  
(clinical and morphocological data).

Dissertation for candidate of a medical science degree.

Chair of Hospital therapeutics (head prof. I.S. Shvarts), histology (head prof. G.A. Koblov), and pathological anatomy (head prof. A.H. Antonov). Saratov Medical Institute, 1957.

ZAVYALOVA, I.A.

USSR/Morphology of Man and Animal (Normal and Pathologic)  
Respiratory System:

8-2

Abs Jour : Ref Zhur - Biol., No 3, 1958, 12340

Author : Zavyalova, I.A.

Inst : -

Title : Bronchial Changes in Pulmonary Suppurative Processes (Clinical and Morphological Data).

Orig Pub : Avtoref. dis. Kand. med. n., Saratovsk. med. in-t, Saratov, 1957.

Abstract : No abstract.

Card 1/1

ZAV'YALOVA, I.A., assistant

Is blood pressure affected by vitamins B<sub>1</sub> and B<sub>12</sub>? Kaz.med.  
zhur. 40 no.3:59-60 My-Je '59. (MIRA 12:11)

1. Iz kafedry gospital'noy terapii lechfaka (zav. - prof.L.S.  
Shvarts) Saratovskogo meditsinskogo instituta.  
(BLOOD PRESSURE)  
(THIAMINE)  
(CYANOCOBALAMINE)

ZAV'YALOVA, I. A. Cand Med Sci -- "Comparative evaluation of certain methods  
of surgical treatment of trichiasis and torsion of the lids in trachoma, and  
*ascertainment* *relapses*  
~~classification of the causes of recurrences~~ following operations." Saratov,  
1961 (Saratov State Med Inst). (KL, 4-61, 209)

-345-

ZAV'YALOVA, I.A., assistent

Bronzo disease complicated by coma (adrenal crisis) Kaz.  
med. zhur. no.1:50-51 Ja-F'63. (MIRA 16:8)

1. Kafedra gospital'noy terapii (zav. - prof. L.S.Shvarts)  
lechebnogo fakul'teta Saratovskogo meditsinskogo instituta.  
(ADDISON'S DISEASE) (COMA)

ZAV'IALOVA, I.A. (Saratov)

Changes in the innervation of the bronchi in lung suppura-  
tion; abstract. I.A. ZAV'IALOVA. Kaz. med. zhur. no.1:108  
Ja-F'61 (MIRA 16:11)

\*

ACCESSION NR: AR4015474

S/0169/63/000/012/B042/B042

SOURCE: RZh. Geofizika, Abs. 12B251

AUTHOR: Zav'yalova, I. N.; Sergeyeva, G. G.

TITLE: Resultant wind of the Soviet Arctic

CITED SOURCE: Tr. Arkt. i Antarkt: n.-i. in-ta, v. 253, 1963, 138-151

TOPIC TAGS: resultant wind, arctic wind currents, Soviet Arctic, air transport, meridional transport, middle troposphere, upper troposphere, troposphere, zonal transport, prevailing wind, scalar wind speed

TRANSLATION: The mean monthly and yearly values of the resultant wind for altitudes of 0, 0.5, 1, 3, 5, and 7 km, the stability coefficient (the relation of the speed of the resultant wind to the mean scalar wind speed), and verticle profiles were calculated according to aerological observations at 15 arctic stations for the period from 1935/36 to 1952/53 and at 10 stations for the period from 1947 to 1956. These regions were separated out according to the distribution of the resulting currents in the Arctic: a western (Berents and Kara Seas), a central (Laptev and East Siberian Seas), and an eastern (Chukchi and Bering Seas) region. A steady

Card 1/2

ACCESSION NR: AR4015474

southern meridional transport predominates during the autumn-winter period in the lower troposphere over the Arctic with the exception of the eastern region, where the resultant wind has a northern component, and the western region. Above 2-3 km, over all of the Soviet Arctic a tendency for a predominance of zonal transport is observed. In the spring-summer period over the greater part of the Soviet Arctic, in the lower and partially in the middle troposphere, rather intensive outward flow is observed in the eastern part of the Kara Sea and in the western part of the Laptev Sea, and in July, also over the Bering Sea. The currents acquire a western component from an altitude of 3-4 km. In the middle and upper troposphere (from the limited data on hand) a zonal transport prevails throughout the year. A. Buz.

DATE ACQ: 09Jan64

SUB CODE: AS, PH

ENCL: 00

Cord. 2/2



ZAV'YALOVA, I. N.

ZAV'YALOVA, I. N.--"On the Theory of Structure of Intrusions Constructed on the Basis of a Face-Centered Cubic Lattice." Tomsk State U imeni V. V. Kuybyshev. Omsk, 1955. (Dissertation for the Degree of Candidate of Physicomathematical Sciences).

SO: Knizhnaya Letopis' No. 27, 2 July 1955

S/081/61/000/003/001/019  
A166/A129

AUTHOR: Zav'yalova, I. N.

TITLE: Bonding forces in binary interstitial structures constructed on the basis of a face-centered cubic lattice

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 3, 1961, 31, abstract 3B181.  
(Tr. Omskogo mashinostroit. in-ta, 1959, no. 3, 69 - 87)

TEXT: Born's methods of crystal lattice theory (Born, M., and Geppert-Mayer, M., "Solid State Theory", ONTI, 1938) were used to study the conditions for the realization of binary interstitial structures formed by consecutive filling of the spaces in the metal's cubic face-centered lattice with metalloid atoms. A study was made of structures containing interstices either only in octahedral or only in tetrahedral spaces (structural types  $Fe_4N$ ,  $NaCl$ ,  $Cu_2O$ ,  $CuF$ ,  $CaF_2$ , and a type characterized by interstitial particles situated in the centers of three ribs radiating from one node) and permitting monoparametric solution of the problem. Study of the realization conditions was carried out both for the ionic law of interaction according to Born's binomial formula, and also for the case of a bond of metallic nature. Structures of the first ( $Fe_4N$ ) and last structural types were found to have

Card 1/2

Bonding forces in binary interstitial structures...

8/081/61/000/003/001/019  
A166/A129

predominantly non-ionic forces (metallic nature). An increase in the number of interstitial particles reduces the chances for the realization of the corresponding structures. NaCl structural types can be realized with both types of bonding. In the author's opinion, the bonding forces in interstitial phases of the NaCl type have a metallic nature and are mainly central forces. The greater abundance of structures of this type in comparison with the two preceding types is explained by its energetic advantage. In structures of the  $\text{Cu}_2\text{O}$  type non-central covalent forces predominate, due to the structures' small crystal numbers. Interstitial phase structures of the  $\text{CuF}$  and  $\text{CaF}_2$  type are characterized mainly by ionic bondings, although bonding forces of a metallic nature are also tolerated. The low number of  $\text{CuF}$  and  $\text{CaF}_2$  structures among the interstitial phases is obviously due to the inflexibility of the requirements imposed by the stability conditions (the lattice's potential energy minimum) on the parameters of the law of interaction.

Summary by A. Levin

[Abstractor's note: Complete translation]

Card 2/2

ГОНЧАРОВА, В.И.

GONCHAROVA, V.I.; ZAV'YALOVA, I.N.; PETROVA, I.A.; ROMANOV, V.V.; RYVKINA,  
V.B.

Some problems in the hydrology of swamps. Trudy GOI no.60:43-76 '57.  
(Swamps) (Hydrology) (MIRA 10:12)

ZAV'YALOVA, I.N.; SERGEYEVA, G.G.

Variations in the speed and direction of the wind above the  
central Arctic region. Probl.Arkt.1 Antarkt. no.11:37-46 '62.  
(MIRA 16:2)

(Arctic regions--Winds)

ZAV'YALOVA, I.N.; SERGEYEVA, G.G.

Resultant wind over the Soviet Arctic. Trudy ANII 253:138-151 '63.  
(MIRA 17:11)

ZAV'YALOVA, I.V.

Biotite-granites in Novo-Ukrainka District. Min.sbor. no.14:  
331-338 '60. (MIRA 15:2)

1. Gosudarstvennyy universitet imeni Ivana Franko, L'vov.  
(Novo-Ukrainka District--Mica)

ZAV'YALOVA, I.V.

Substitution of myrmekite plagioclase by potash feldspar.  
Geol. i geofiz. no.6:87-89 '62. (MIRA 15:7)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR,  
Novosibirsk. (Plagioclase) (Feldspar)



ZAV'YALOVA, I.V.

Accessory minerals of the Suktuy Massif. Geol. i geofiz.  
no.6:68-82 '64. (MIRA 18:11)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR,  
Novosibirsk.

TETYUSHINA, M.S., ZAV'YALOVA, K.I.

Rupture of the splenic capsule in a newborn with erythroblastosis  
fetalis. Akush. i gin. 34 no.4:109 J1-Ag '58 (MIRA 11:9)

1. Iz rodil'nogo doma stantsii Kuybyshev (glavnyy vrach N.Ya. Yakovlova).  
(SPLEEN--RUPTURE)  
(ERYTHROBLASTOSIS FETALIS)

BANK, T. [Bank, Ted]; ZAV'YALOVA, L. [translator]

Birthplace of the winds; (Translated from English). Znan.sila 35  
no.6:38-42 Je '60. (MIRA 13:7)  
(Aleuts) (Aleutian Islands)

SAMSONOV, G.V.; VEDENEYEVA, V.V.; ZAV'YALOVA, L.N.; VIKHOREVA, T.A.

Ion exchange sorption of penicillin with anion exchangers with  
different swelling capacities. Trudy Len.khim.-farm.inat.  
no.15:93-100 '62. (MIRA 15:11)  
(PENICILLIN) (ION EXCHANGE)

ZAV'YALOVA, L.L.; IVOYLOV, A.S.

Effect of the size of particles on the results of quantitative X-ray  
phase analysis. Zav. lab. 31 no.8:986-989 '65. (MIRA 18:9)

1. Irkutskiy gosudarstvennyy nauchno-issledovatel'skiy institut  
redkikh metallov.

ZAV'YAJOVA, I.V., mladshiy nauchnyy sotrudnik; BOGORACH, R.S., mladshiy  
nauchnyy sotrudnik

Indices of the efficiency of direct spinning in the hemp and  
jute industry. Nauch.-issl.trudy TSNILV 15:54-60 '61.

(MIRA 18:4)

AGAFONTSEV, A.I., mladshiy nauchnyy sotrudnik; ZAV'YALOVA, L.V., mladshiy nauchnyy sotrudnik

Technical and economic base of the optimum standard dimensions of centrifuge spinning machines for the manufacture of twine yarn.  
Nauch.-issled. study TSNITSEV 15:60-67 '61.

(MIRA 18:4)

ZAV'YALOVA, L.V., mladshiy nauchnyy sotrudnik; Prinizhali uchastiye:  
MARKOVA, R.V.; VALOV, B.I., mladshiy nauchnyy sotrudnik

Continuous line for the preparation of short jute fibers for spinning. Nauch.-issl.trudy TSMIILV 17:98-113 '62. (MIRA 16:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut legkogo i tekstil'nogo mashinostroyeniya (for Markova). 2. Tsentral'nyy nauchno-issledovatel'skiy institut promyshlennosti lubyanykh volokon, Moskva (for Valov).



ZAV'YALOVA ~~E.M.A.~~

KOZHEVNIKOVA, Z.N.; ROLLE, Ye.N.; PUSHILOV, M.G.; BUTORINA, I.V.;  
ZAV'YALOVA, M.A.; KARPOV, M.M.

~~Second Leningrad municipal conference of young surgeons. Vest.khir.~~  
78 no.1:140-145 Ja '57. (MLRA 10:3)  
(SURGERY)

ZAV'YALOVA, N. K.

188168

USSR Medicine - Infectious Diseases Feb 51

"Treatment of Plague. XXVI: Treatment of Primary Plague by the Combination Method (With- out Application of Streptomycin)," N. K. Zav'ya- lova, *Journal of Communications I-XXV in "Klin Med" No 2* (1951)

"Klin Med" Vol XXIX, No 2, pp 30-31

Until recently, primary pulmonary plague was in- curable. Every case of infection ended in death. In 1948, N. N. Zhukov-Verezhnikov, N. Ivanovskiy, T. V. Zhelezva, and I. Uroda developed new combina- tion ("complex") method of treatment which, al- though not infallible (2 deaths), proved to be quite successful, as shown by several clinical reports.

USSR Medicine - Infectious Diseases Feb 51  
(Contd)

cases listed in this instance. Author had pulmo- nary plague and cured herself by this method. About a year later, she purposely infected herself again and found that the disease took a much milder course, i.e., certain art of immunity was established. The question in regard to immunity had not been solved until the new treatment was introduced, because all patients died. Report is followed by 8 references.

188168

ZAVYALOVA, N.K.

U.S.S.R. / General Problems of Pathology, Pathophysiology of the Infectious Process. T-4

Abs Jour : Ref, Zh,-Biol., No 2, 1958, No 7618

Author : Makorovskaya, L.N., Khakhina, Z.D., Zavyalova, N.K. Eishul', K.G.

Inst :

Title : The Influence of Medicated Sleep on the Course of Experimental Plague in Guinea Pigs.

Orig Pub : Tr. Rostovsk. N. - D. gos. n.-i. Protivochnn. IN-TA 1956, 10, 42-43

Abstract : Guinea Pigs received MLD of B. Pestis, strain 177, subcutaneously, 45 minutes after the administration of thiopental sodium or urethan. Sleep had no curative action on the course of the disease; all the animals died. The average

Card : 1/2

ROZHKOV, A.A.; KANCHUKH, A.A.; ZAV'YALOVA, N.K.; PUSTOVALOV, V.L.

Production and properties of cephalosporin. Report No.1: Morphological characteristics and culture properties of the fungus Cephalosporium.

Antibiotiki 4 no.6:13-18 H-D '59.

(MIRA 13:3)

1. Rostovskiy-na-Donu nauchno-issledovatel'skiy protivochumnyy institut.  
(ANTIBIOTICS chem.)

SHUKOV-VEREZHNIKOV, N.N., prof.; ZAV'YALOVA, N.K., kaud.med.nauk

The immunology of plague. Report No.27: Results and prospects of treatment of primary pulmonary plague. Klin.med. 37 no.12:33-37 D '59. (MIRA 13:4)

1. Iz Instituta eksperimental'noy biologii AMN SSSR (direktor - prof. I.N. Mayskiy) i Gosudarstvennogo nauchno-issledovatel'skogo protivochumnogo instituta (direktor A.K. Shishkin). 2. Doystvitel'nyy chlen AMN SSSR (for Zhukov-Verezhnikov).

(PLAGUE)

(LUNGS)

ROZHKOV, A.A.; KANCHUKH, A.A.; ZAV'YALOVA, N.K.; PUSTOVALOV, V.L.

Separation, purification, and antibacterial properties of cephalosporin. Antibiotiki 5 no.1:9-14 Ja-F '60. (MIRA 13:7)

1. Rostovskiy-na-Donu nauchno-issledovatel'skiy protivochumnyy institut.

(CEPHALOSPORIN)

ZAV'YALOVA, N.N.

USSR/Chemistry of High-Molecular Substances, F

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61709

Author: Mikhaylov, N. V., Zav'yalova, N. N.

Institution: None

Title: On the Nature of Structurization and Properties of Concentrated Viscose Solutions

Original

Periodical: Zh. prikl. khimii, 1956, 29, No 1, 97-105

Abstract: A study of the dependence of total and structural viscosity of concentrated viscose solutions on the concentration of caustic soda and on the amount of alkali bound to the free OH-groups of the xanthogenate ( $\gamma$ NaOH). Use was made of viscose samples having a cellulose concentration from 8 to 14% and various NaOH/cellulose ratios. For all the viscoses so obtained were determined summative  $\gamma$ (CS<sub>2</sub> + NaOH), total structural viscosity of concentrated viscose solutions and viscosity of dilute solutions. By potentiometric titration of viscose with silver nitrate using a silver electrode

Card 1/2

USSR/Chemistry of High-Molecular Substances, F

Abat Journal: Referat Zhur - Khimiya, No 19, 1956, 61709

Abstract: determination was made of  $\gamma(\text{CS}_2 + \text{NaOH})$ . It was found that summative  $\gamma(\text{CS}_2 + \text{NaOH})$  depends upon the ratio NaOH/cellulose, and not on the absolute values of NaOH concentration in the viscose. It was found that maximum magnitude of  $\gamma(\text{CS}_2 + \text{NaOH})$  for the given viscoses is 300 with a NaOH/cellulose ratio of 1.3 and that the curves of dependence of total structural viscosity of the viscose upon the NaOH/cellulose ratio have a minimum. Minima of total structural viscosity of concentrated viscose solutions with a NaOH/cellulose ratio of 1.1-1.3 are attributed by the authors to replacement of OH-groups by alkali and  $\text{CS}_2$ , which results in a sharp decrease in the interaction between macromolecules of cellulose xanthogenate due to rupture of hydrogen bonds. Further increase in viscosity with increasing NaOH/cellulose ratio takes place due to decreased solubility of the xanthogenate. The absence of a minimum on the curve of dependence of the viscosity of a dilute solution (0.2%) of viscose upon the NaOH/cellulose ratio, is due in the opinion of the authors to interaction between macromolecules and their coiling into spherical structures.

Card 2/2



ZAV'YALOVA, N. N.

MIKHAYLOV, N.V.; ZAV'YALOVA, N.N.

Study of the chemical stability and structure formation of  
concentrated viscous solutions at elevated temperatures. Zhur.  
prikl.khim. 30 no.1:136-142 Ja '57, (MLRA 10:5)  
(Cellulose) (Viscosity) (Chemical structure)

AUTHORS: Zav'yalova, N.N., Mikhaylov, N.V. SOV/69-20 -6-6/15

TITLE: Factors Determining the Structural-Mechanical Properties of Viscose Solutions (O faktorakh, opredelyayushchikh strukturno-mekhanicheskiye svoystva viskoznykh rastvorov)

PERIODICAL: Kolloidnyy zhurnal, 1958, Vol 20, Nr 6, pp 708-712 (USSR)

ABSTRACT: The qualities of artificial fibers depend on the cellulose concentration in the viscous solution [Ref 1], on the degree of polymerization of the cellulose in the fiber [Ref 2], and on the formation conditions [Ref 3]. The concentration of  $\alpha$ -cellulose, the NaOH/cellulose ratio, and the maturity are here investigated. Figure 1 shows the relation between deformation with time and shear stress. Figure 2 shows that the higher the maturity of the viscous solutions the greater the effective viscosity. The relative viscosity of solutions with different NaOH/cellulose ratios, not always changes with the maturity index (Figure 3). The influence of maturity often cancels the influence of the NaOH/cellulose relation and of the  $\alpha$ -cellulose concentration, which is due to the appearance of new stable bonds. The stability of the structure in spinning solutions has a direct effect on the fiber formation. The greater the stability, the greater are the

Card 1/2

SOV-69-20-6-6/15

Factors Determining the Structural-Mechanical Properties of Viscose Solutions

difficulties in fiber formation. Spinning solutions should have low maturity values.

There are 3 graphs, 1 table, and 8 references, 7 of which are Soviet and 1 German.

ASSOCIATION: Nauchno-issledovatel'skiy institut iskusstvennogo volokna g. Mytishchi (Scientific Research Institute of Artificial Fibers, in Mytishchi)

SUBMITTED: July 18, 1957

1. Synthetic fibers--Production
2. Synthetic fibers--Properties
3. Cellulose--Properties
4. Solutions--Properties

Card 2/2

MIKHAYLOV, N.V.; ZAV'YALOVA, N.N.

Effect of the temperature and ripening index on the structure  
of viscose solutions and on fiber formation. Khim. volok. no.2:  
44-47 '59. (MIRA 12:9)

I.Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo  
volokna.

(Rayon)

MIKHAYLOV, N.V.; ZAV'YALOVA, N.N.; GORBACHEVA, V.O.

Gradient method of determining the specific gravity of synthetic fibers, Khim.volok. no.1:19-22 '60. (MIRA 13:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna.  
(Textile fibers, Synthetic) (Specific gravity)

BENA, Eduard; GOSKOVICH, Irzhi [Hoskovec, Jiri]; SHTIKAR, Irzhi  
[Stikar, Jiri]; ZAV'YALOVA, T.P. [translator]; BGDANOVICH,  
L.A., kand. med. nauk, red.

[Psychology and physiology of an automobile driver] Psikhologia i fiziologiya shofera. Moskva, Transport, 1965.  
190 p. (MIRA 18:4)

ZAV'YALOVA, T. P.

VOROB'YEVA, A.A., kandidat tekhnicheskikh nauk; ZAKATOVA, N.D., kandidat tekhnicheskikh nauk; ZAV'YALOVA, T.P., retsentsent; SERGEYEV, M.Ye., professor, doktor tekhnicheskikh nauk, redaktor.

[Materials for shoe manufacture] Materialovedenie obuvnogo proizvodstva. Moskva, Gos. nauchno-tekhn. izd-vo Ministerstva promyshlennykh tovarov shirokogo potrebleniia SSSR, 1953. 219 p. (MLRA 7:7)  
(Shoe industry)

ZAV'YALOVA, T.P.

Results and prospects of the operations of the shoe industry. Kozh.-obuv.  
prom. 5 no.3:1-3 Mr '63. (MIRA 16:3)

1. Glavnyy spetsialist kozhevenno-obuvnogo otдела Soveta narodnogo  
khozyaystva SSSR.

(Shoe industry)



ZAV'YALOVA, T.P., kand.med.nauk

Treatment of hip fracture in children. Kas.med.zhur. 40 no.4:44-48  
Jl-Ag '59. (MIRA 13:2)

(HIP JOINT--FRACTURES)

ZAV'YALOVA, T.P., kand.med.nauk (Kazan', ul. Volkova, d.22, kv.6)

Treatment of supracondylar fractures of the shoulder in children.  
Vest.khir. no.4:27-29 '61. (MIRA 14:4)

1. Iz detskogo otdeleniya (zav. - kand.med.nauk T.P. Zav'yalova)  
Kazanskogo nauchno-issledovatel'skogo instituta travmatologii i  
ortopedii.

(HUMERUS—FRACTURE)

ZAV'YALOVA, T.P., kand.med.nauk

Characteristics of the treatment of diaphyseal fractures of the leg bones in children. Vest.khir. 89 no.8:20-23 Ag '62.

(MIRA 15:10)

1. Iz Kazanskogo nauchno-issledovatel'skogo instituta travmatologii i ortopedii (dir. - kand. med. nauk U.Ya.Bogdanovich).

(LEG--FRACTURE)

ZAV'YALOVA, T.F., kand. med. nauk (Kazan', ul. Volkova, d.22, kv.6)

Fractures of the bones of the forearm in children. Ortop., travm.  
i protez. no.9:49-53 '62.

(MIRA 17:11)

1. Iz Kazanskogo instituta travmatologii i ortopedii (dir. - kand.  
med. nauk U.Ya. Bogdanovich).

ZAV'YALOVA, V.

37486. Zits. (K 25-Letiyu Mosk. Avtozavoda Im. Stalina) Smena, 1949,  
No. 22, s. 8-9.

SO: Ietopis' Zhurnal'nykh Statey, Vol. 7, 1949

ZAV'YALOVA, V.I.

PHASE I BOOK EXPLOITATION

SOV/4345

Gromova, Antonina Nikiforovna, Valentina Ivanovna Zav'yalova, and Vladimir Konstantinovich Korobov

Izgotovleniye detaley iz listov i profiley pri seriyom proizvodstve (Manufacture of Parts from Sheets and Shapes in Lot Production) Moscow, Oborongiz, 1960. 343 p. Errata slip inserted. 4,500 copies printed.

Reviewer: S.S. Bekin, Engineer; Ed. (Title page): V.V. Boytsov, Professor; Ed. (Inside book): V. Ya. Shekhter, Candidate of Technical Sciences; Ed. of Publishing House: L.I. Sheynfayn; Tech. Ed.: N.A. Pukhlikova; Managing Ed.: S.D. Krasil'nikov, Engineer.

PURPOSE: This book is intended for engineers and technicians, primarily those employed in the aircraft industry, as a manual for planning and developing manufacturing processes and designing proper equipment; it may be useful to students at schools of higher education and *tekhnikuma*.

COVERAGE: The authors present the theoretical fundamentals of forming parts from sheets and shapes and describe mechanized sheet-and shape-forming processes in

Card 1/6-

Manufacture of Parts from Sheets (Cont.)

80V/4345

lot manufacture as adapted for the aircraft industry. They also discuss methods of bending shapes and sheets on roll-type benders, various methods of stretch-forming of sheets and shapes and rubber-die forming methods of deep drawing. The editor's note, written by Professor V.V. Boytsov, emphasizes that more than ten years have passed since the publication by A.N. Gromova of her comprehensive monograph on preparatory stamping operations in the aircraft industry. In the meantime, great progress in this field has been achieved abroad and in the USSR, where [unidentified] scientific and research institutes and industrial plants have given particular attention to the problems of mechanization of preparatory stamping work in the aircraft industry. The present book attempts to bring up-to-date the information on this subject and to point out the fundamental trends of mechanization of such operations. There are 45 references: 39 Soviet and 6 English.

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Ch. I. Elements of the Plastic Deformation Theory	5
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2. Physical nature of deformation	9
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[Sheet-metal work by explosion] Shtampovka listovogo metalla  
vzryvom. Moskva, Izd-vo "Mashinostroenie," 1964. 173 p.  
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BOBYRENKO, Yu.Ya.; DOLMATOV, Yu.D.; Prinsipialni uchastnye: ZAV'YALOVA, V.I.;  
MOISENKOVA, V.D.; KONOVALOV, V.K.

Rapid method of determining the dispersion composition of titanium  
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1. Chelyabinskiy filial Gosudarstvennogo nauchno-issledovatel'skogo  
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GUREVICH, K.Ya.; ZAV'YALOVA, Ya.A.; POMYANOVSKAYA, G.M.; KHIZHNYAKOV, A.V.

Stratigraphy of the Carboniferous sediments of the Lvov Trough,  
Trudy UkrNIGRI no.5:212-232 '63. (MIRA 18:3)

ZAV'YALOVA, Ye.A.

Stratigraphy and distribution of the lower Vissean sediments of the  
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New data on the Carboniferous in the northwestern part of Volyn'  
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ЗАВ'ЯЛОВА, Е. А.

Zav'yalova, Ye. A. - "In vestigation of the work of the brushing machine," Soobshch. i referaty (Vsesoyuz. nauch.-issled in-t zerna i produktov ego pererabotki), Moscow, 1949, p. 58-61

SO: U-5240, 17, Dec. 53, (Letopis 'Zhurnal 'nykh Statey, No. 25, 1949).

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Evaporation of snow in northern Kazakhstan. Trudy KazNIGMI  
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(Kazakhstan--Snow) (Evaporation)

ZAV'YALOVA, Yu.P.

Study of maximum wind velocities. Trudy KazNIGMI no.22:5-36  
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SHVARTSMAN, G.M., kand. tekhn. nauk; ZAV'YALOVA, Z.V., Inzh.

A new standard for wood particle boards. Dar. prom. 12 no. 10:1-2  
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YUDAYEV, N.A.; LEHEDEVA, M.B.; ZAVYAL'SKAYA, N.P. (Moskva)

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1. Iz laboratorii nervnoy i gormonal'noy regulyatsii biokhimicheskikh protsessov (zav.-prof. N.A.Yudayev) Instituta biologicheskoy i meditsinskoy khimii (dir.-deystvitel'nyy chlen AMN SSSR prof. V.N. Orekhovich).

(CORTISONE, effects,

on liver proteins incorporation of glycine labeled with radiocarbon in vitro (Rus)

(CORTICOSTERONE, effects, same)

(GLYCINE, metabolism, liver, eff. of cortisone & DOC on incorporation into proteins in vitro, radiocarbon labeled (Rus)

(PROTEINS, metabolism,

liver eff. cortisone & DOC on glycine incorporation in vitro, (Rus)

(LIVER, metabolism,

glycine incorporation into proteins in vitro, eff. of cortisone & DOC)

ZAVYAZKIN, I.

Selenium rectifiers. Prom. koop. no.5:19 Ky '56. (MLBA 9:9)

1. Tekhnoruk arteli "Muzradio".  
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Identification of wheat seed by a laboratory method.  
 A. P. Titovskaya and N. I. Zavyalukova. *Bull. Applied Botany, Genetics Plant Breeding (U.S.S.R.)* Ser. IV, No. 1, 5-22 (in English 22-3) (1959). All types of wheat may be divided into two groups with reference to developing a light or dark color when treated with phenol. For hard wheat a 1% soln. is used. One drop of  $\text{NH}_4\text{OH}$  is added for each cc. of the soln. After 1 hour the color develops. For winter and light-colored wheats a 0.5% soln. with  $\frac{1}{2}$  of  $\text{NH}_4\text{OH}$  is sufficient. For red wheat 0.1% solution of phenol with one drop of  $\text{NH}_4\text{OH}$  for every 2 cc. is sufficient. J. S. Joffe

METALLURGICAL LITERATURE CLASSIFICATION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00
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Card 1/2

UDC: 551.5+551.58

tion schedules established for network station operations. Orig. art. has 16 figures and 14 tables.

ZAVYAZKIN, P.G.

Corrosion and erosion protection of chemical equipment.  
Mashinostroitel' no.5:15-17 My '62. (MIRA 15:5)  
(Protective coatings)



TETERUK, G.I.; ZAVYAZKIN, P.G.; ALIYEV, T.M.; ALIYEV, A.G.; MELIK-SHAKHNAZAROV,  
A.M.; ARULIS, B.K.; BARTENEV, G.M.; YEL'KIN, A.I.; KOSTIN, V.I.;  
KHARKHARDIN, S.I.; SERGEYEV, A.I.; VARTANOV, S.Kh.; PRIMANCHUK, I.I.;  
MOILOTSOV, A.A.; SHMELEV, N.V.; ROVINSKIY, M.I.; ABRAMOV, N.N.;  
YEROFEYEV, L.V.; RYAKHIN, V.A.; ZELENIN, A.N.; BERKMAN, I.L.

Patent certificates for Soviet inventions. Stroil. truboprov. 9 no.5:  
35-36 My '64. (MIRA 17:9)

PODLAGA, I. [Podlaha, J.], prof.; ZAVRZHEL, I. [Zavzal, J.], kand. med.  
nauk; ROZHENIK, V. [Zozhenik, V.], kand. med. nauk

Vascular transplantation in arteriosclerosis obliterans. *Khirurgiya*  
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I. I Khirurgicheskaya Klinika (zav. - prof. I. Podlaga) Universiteta  
Imeni Ya.E. Perkin'ya Bno, Obshchestvennaya Sotsialisticheskaya  
Respublika.

ZAWADA, A.

B. T. R.  
Vol. 3 No. 5  
May 1954  
Metals—Mechanical and Physical  
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③  
6930\* Production of Silicon Sheets of High Initial Per-  
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Instytutu Metalurgii Hutnictwa*, v. 5, no. 6, Sept.-Oct.  
1953, p. 259-276.  
Properties of Si sheets for use in tele-communication systems.  
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permeability in low fields. Tables, graphs, micrograms, dia-  
gram, 17 ref.

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Application of textured transformer tape for the production of magnetic cores. Wiad elektrotech 30 no.10:331-337 0 '62.

1. Instytut Metalurgii Zelaza, Gliwice.

MARKUSZEWICZ, Mieczyslaw; GROJECKI, Jan; ZAWADA, Aleksander

Application of cold-rolled transformer tape in the production of magnetic cores. Wiad elektrotechn 30 no.10:331-337 0 '62.

1. Instytut Metalurgii Zelaza, Gliwice.

MARKUSZEWICZ, Mieczyslaw; GROYECKI, Jan; ZAWADA, Aleksander

C-type transformer cores produced from textured magnetic stripes, "anizopern" type. Przegl telekom 34 no.8:228-234 Ag '62.

1. Instytut Metalurgii Zelaza, Gliwice.

LEBEK, Tadeusz, inz.; ZAWADA, Alojzy, mgr

Experiments in fixing new production indicators in iron metallurgy. Wlad hut 15 no.10:313-317 0 '64.

ZAWADA, Edward, mgr. inż.

The POLFA Works; achievements and plans. Farmacja Pol 18  
no.17/18:399-406 S '62.

1. Dyrektor Naczelny Zjednoczenia Przemysłu Farmaceutycznego  
POLFA.

\*



POLAND/Chemical Technology. Chemical Products and Their  
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H-1

Abs Jour: Ref Zhur-Khim., No 13, 1958, 43552.

Author : Zawada E.

Inst :

Title : Concerning the Conditions of Development of the  
Polish Chemical Industry.

Orig Pub: Przem. chem., 1957, 13, No 3, 129-131.

Abstract: The reasons of the lagging of the Polish chemical  
industry behind the level of the large European  
countries. Availability of ample natural resources  
and cheap electric power is the main prerequisite  
of a rapid development of Polish chemical industry.  
As concerns the supply of raw materials, the primary  
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p. 12.

(PRZEMYSŁ GASTONOMICZNY. Vol. 11, no. 6, June 1956, Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957.  
Uncl.

ZAWADA, J.

Methods of popularizing rationalizers' achievements. p.12.  
PRZEMYSŁ GASTRONOMICZNY (Polskie Wydawnictwa Gospodarcze) Warszawa  
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ZAWADA, Maria

Rupture of the small intestine consecutive to blunt injury of the abdomen. Polski przegl. chir. 28 no. 4: 401-406 Apr 56.

1. Z II Kliniki Chirurgicznej A.M. w Krakowie, Kierownik: prof. dr. K. Michejda, Krakow, ul. Kopernika 21 (II. Klin. Chir. A.M.).

(ABDOMEN, wounds and injuries,  
blunt inj. causing rupt. of small intestine (Pol))

(INTESTINE, SMALL, rupture,  
caused by blunt abdom. inj. (Pol))

(WOUNDS AND INJURIES,  
abdom., blunt inj. causing rupt. of small intestine (Pol))

**ZAWADA, Maria**

Clinico-statistical studies on perforated gastric and duodenal  
ulcer. Pol. przegl. chir. 35 no.12:1327-1335 D'63

1. Z II Kliniki Chirurgicznej AM w Krakowie (kierownik: prof.  
dr. J. Oszaeki).

ZAWADA, Maria

Spontaneous rupture of the aneurysm of the splenic artery. Polski  
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J. Oszaeki.

(ANEURYSM compl)

(SPLENIC ARTERY dis)

ZAWADA, Maria

Acute diseases of the abdominal cavity according to data of the  
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10:1083-1091 Oct 59.

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dr K. Michejda.

(ABDOMEN, ACUTE, statist.)



ZAWADA, Maria; GEDLICKA, Otmar

Late results of the surgical treatment of acute perforated  
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1111 N ' 65

1. Z II Kliniki Chirurgicznej AM w Krakowie (Kierownik: prof.  
dr. J. Oszacki).

LENCZYK, Maria; ZAWADA, Maria

Hemipelvectomy. Pol. przegl. chir. 37 no.11:1119-1121 N ' 65.

1. Z Instytutu Onkologii Oddział w Krakowie (Dyrektor: prof. dr. H. Kolodziejaska) i z II Kliniki Chirurgicznej AM w Krakowie (Kierownik: prof. dr. J. Oszacki).

ZAWADA, M., inż.

Development of combustion traction by the Polish State Railroads.  
Przełk kolej mechan 14 no.3: [3-4] of cover Mr '62.

BAK, Stefan; DOLEZAL, Marian; SENYK, Irena; WALKER, Ryszard; ZAWADA,  
Maria

Use of antibiotics and chemotherapeutics in mechanical  
intestinal obstruction. Polski przegl. chir. 28 no.1:  
27-48 Jan 56.

1. Z II Kliniki Chirurgicznej A. M. w Krakowie Kierownik: prof.  
Dr. K. Michejda i z K Zakładu Mikrobiologii Lekarskiej a  
A. M. w Krakowie. Kierownik: prof. dr. Z. Przybylkiewicz  
Krakow, Kopernika 40, 1 Klin. Chir.

(INTESTINAL OBSTRUCTION, exper.  
eff. of postop. chemother. (Pol))  
(CHEMOTHERAPY, in various dis.  
exper. intestinal obstruct. (Pol))