OSIN, V., mayor.

Testing the intensity of magnetization of permanent magnets. Vest. svias. 16 no.1:36-37 Ja '58. (MIRA 11:2)
(Magnets--Testing)

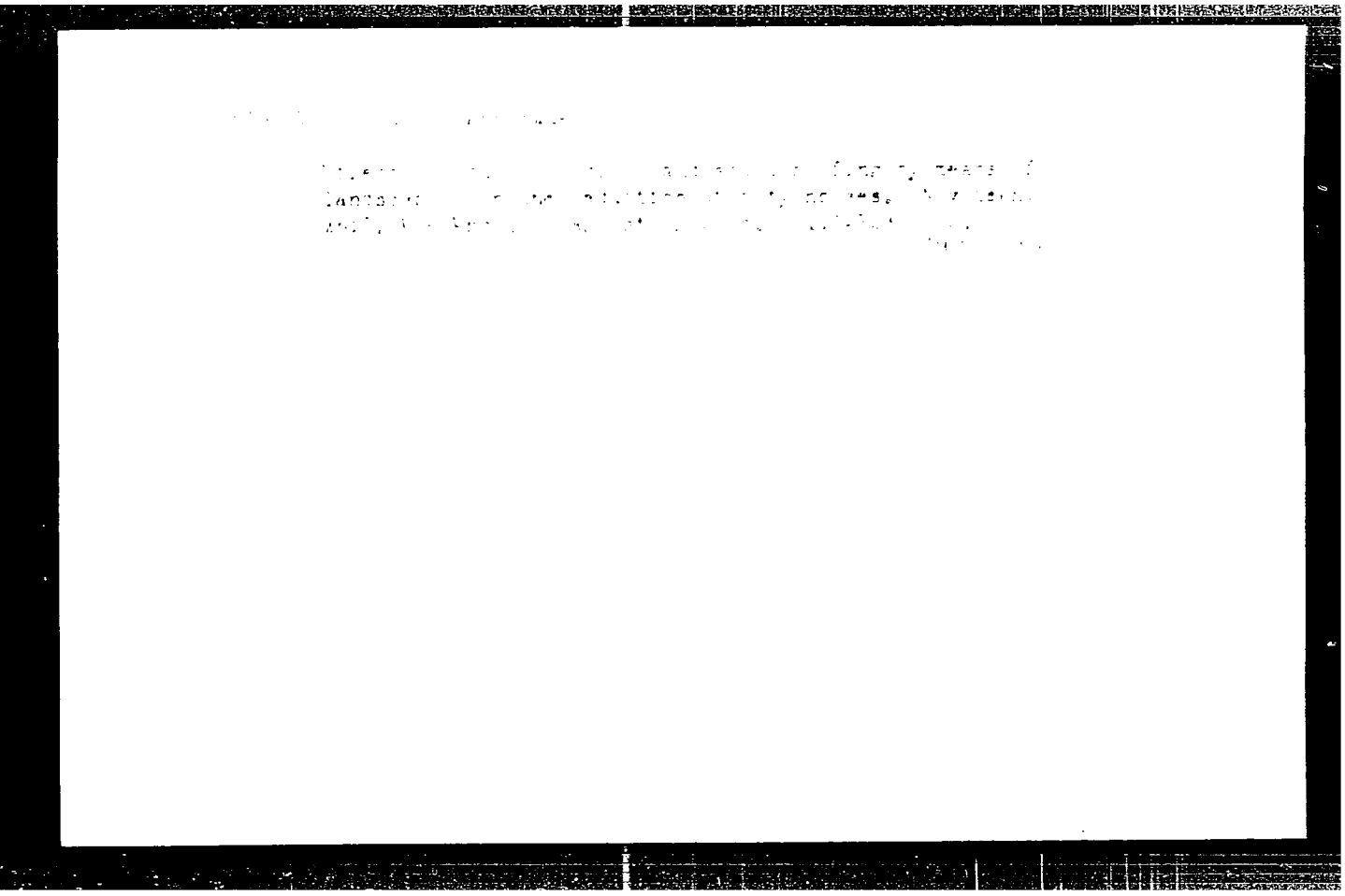
OSIN, V.A., aspirant

Role of trees and shrubs in controlling city noises. Gor.khoz. Mosk. 33 no.10:23-24 O '59. (MIRA 13:2)

1. Moskovskiy inzhenerno-stroitel'nyy institut im. V.V.Kuybysheva.
(Noise) (Trees) (Shrubs)

OSIN, V. A.

Cand Tech Sci - (diss) "Study of the effect of green plantings on the decrease of noise in cities." Moscow, 1961. 20 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Moscow Architectural Inst); 170 copies; price not given; (KL, 5-61 sup, 192)



KAPUSTIN, B.N., glav. inzh.; GVOZDEV, T.T., glav. inzh.; GRIGOROVICH, V.D., inzh.; KONDRASHENKO, A.A., inzh.; ABADEYEV, Yu.A., inzh.; RYADNOV, A.A., inzh.; YEGORYCHEV, V.P., inzh.; SHMEL'KIN, B.A., inzh.; MARSHUTIN, S.F., inzh.; KHODZHABARONOV, K.G., inzh.; FEDOSOVA, Ye.M., tekhnik; OSIN, V.I., tekhnik; SEMENOVA, Ye.P., tekhnik; AVSARAGOVA, G.A., tekhnik; PASHKEYEV, D.A., inzh.; KAPUSTIN, V.N., inzh.; NAGOROV, L.A., inzh.; IONOV, I.T., inzh.; KOPEYKINA, L.M., inzh.; TELEPNEVA, T.P., tekhnik; CHAKURIN, Zh.G., tekhnik

[Album of the mechanization of labor-consuming processes in stockbreeding] Al'bom mekhanizatsii trudoemkikh protsessov v zhivotnovodstve. Moskva, Izd-vo Giprosel'khoza. No.4.[Equipment and supplies for the mechanization of labor-consuming processes on livestock farms] Oborudovanie i inventar' dlia mekhanizatsii trudoemkikh protsessov na zhivotnovodcheskikh fermakh. 1959 [cover: 1961. 229] p. (MIRA 15:7)

1. Gosudarstvennyy institut po proyektirovaniyu sel'skokhozyaystvennykh sooruzheniy (for Kapustin, Grigorovich, Kondrashenko, Abadeyev, Ryadnov, Yegorychev, Shmel'kin, Marshutin, Khodzhabaronov, Fedosova, Osin, Semenova, Avsaragova).

(Continued on next card)

KAPUSTIN, B.N.---(continued). Card 2.

2. Respublikanskiy gosudarstvennyy institut po proyektirovaniyu sovkhoznogo stroitel'stva (for Gvozdev, Pashkoyev, Kapustin, V.N., Nagorov, Ionov, Kopeykina, Telepneva, Chakurin).
(Agricultural machinery)

OSIN, V S

119-6-12/16

AUTHOR: Osin, V.S.

TITLE: Instrument for the Testing of the Degree of Magnetization of Permanent Magnets (Pribor dlya proverki stepeni namagnichennosti postoyannykh magnitov)

PERIODICAL: Priborostroyeniye, 1957, Nr 12, pp. 28-28 (USSR)

ABSTRACT: During operation permanent magnets are subject to demagnetization, by which the magneto-electric systems lose their sensitivity and become unreliable in operation. While these apparatus are being prepared the permanent magnet has to be magnetized up to the amount required (fig.1). The method of the comparison of the influence of magnetic currents of permanent magnets and the electromagnet upon the rotor is the basis upon which the operation of the apparatus rests. The apparatus consists of two basic parts: the mobile system of the rotor, connected inflexibly with an indicator, and the immobile system (fixed system) which consists of two separate magnet circles, whose magnetic currents flow over the rotor. The degree of magnetization of a permanent magnet is found by the amount of current of the milliammeter which corresponds to the zero point of the rotor indicator. The amount of current of the milliammeter is taken from a table which was worked out on the basis of practical tests with magnets which correspond to the technical conditions. For

Card 1/2

ORLOVA, M.A.; OSINA, A.N.

Soils and groundwaters in the lower reaches of the Chu River.
Trudy Inst. pochv. AN Kazakh. SSR. 15:162-207 '63.
(MIRA 16:12)

Z/0065/63/000/004/0476/0489

ACCESSION NR: AP3008585

AUTHOR: Farlik, Alois; Osina, Vladislav

TITLE: Structural changes in high-rate extrusion

SOURCE: Kovove materialy, no. 4, 1963, 476-489

TOPIC TAGS: high energy rate forming, high rate extrusion

ABSTRACT: The behavior of carbon steel 12,060.1 (approximately 0.60% C) and of the die under conditions of high-energy-rate forming has been studied. Steel specimens 1 (Fig. 1 of Enclosure) 18 mm in diameter and 40 mm high were extruded through die 3 at the rate of 95—1050 m/sec. The extruded diameter was 15 mm or 13 mm. Specific pressures in die and punch were found to vary from 95 and 55 kg/mm^2 respectively at a punch velocity of 100 m/sec to 241 and 201 kg/mm^2 at a punch velocity of 350 m/sec. The die failed only at extremely high punch velocity. The shape of specimens extruded with a reduction of 18/13 is shown in Fig. 2. At extrusion rates of 125 m/sec and higher, cracks appeared in the transition section of the specimens. The microstructure of extruded specimens was deformed and the hardness

Card 1/ 2

ACCESSION NR: AP3008585

increased to a lesser depth than that in conventionally extruded specimens. White stripes were found on the surface of the extruded portion and transition section. These stripes are probably formed by low-tempered martensite. Under the effect of the nonuniform deformation, local energy accumulations and consequently local heat evolution occur in some small areas followed by rapid heat dissipation by the adjacent material. This can cause the transformation: initial structure → austenite → martensite. The quantity, size, and curvature of individual white stripes differed from specimen to specimen. Their formation is probably affected by the die shape, its resonance, lubrication, and deformation energy. Until the cause of the formation of white stripes is explained, it is not advisable to use extrusion rates in excess of 30—60 m/sec. Orig. art. has: 2 tables, 12 formulas, and 14 figures.

ASSOCIATION: Katedra technicke mechaniky, pruznosti a pevnosti, fakulta strojni, VUT Brno (Chair of Engineering Mechanics and Strength of Materials, Department of Mechanical Engineering, VUT); Katedra nauky o materialu, fakulta strojni, VUT Brno (Chair of Material Science, Department of Mechanical Engineering, VUT)

Card 2/2

L 15228-65 EWA(d)/EPR/EWP(t)/EWP(k)/EWP(b) Pf-4/Ps-4 IJP(c)/ASD(m)-3
ACCESSION NR: AP4045058 JD/HW 2/0032/64/014/009/0667/0673

AUTHOR: Osina, V. (Doctor, Engineer, Candidate of sciences) B

TITLE: High speed and high energy forming of materials 18

SOURCE: Strojirenstvi, v. 14, no. 9, 1964, 667-673

TOPIC TAGS: high speed forming, alloy steel, forming speed, space centered cubic lattice, microhardness, electron diffraction study, x ray study, phase transformation, steel microstructure

ABSTRACT: The article reports on the investigation of changes in the microstructure of steel during high-speed forming. In the experiments the inverted extrusion of Al and Fe at speeds up to 512 m/s and the direct extrusion of type CSN 12 013 (Aremy) technically pure iron and of certain alloyed steels were investigated. Direct extrusion was investigated with a drop hammer at a speed of 3.57 m/s and at speeds of from 95 to 350 m/s. The following partial conclusions are drawn from the theoretical studies and the experimental results: 1) at certain points in the samples large plastic deformations and local energy accumulations occur under the effect of nonhomogeneous slip; at certain points of a

Card 1/3

sample phase transformation took place; 2) the microhardness of the white bands fluctuated around 1,100 units and is approximately 3 times as great as that of the surrounding material; 3) electron diffraction and x-ray studies have shown that the white bands have a space centered cubic lattice; in view of the high microhardness, it may be assumed that the white bands are formed by cubic martensite; 4) nonhomogeneous slip also occurred during the hot working (but not during cold forming) of material 12 060.1; 5) the white bands are also formed in grinding the metals, but the reason for their formation is not yet known. Phase transformation takes place in part because of plastic deformation, and in part is of thermochemical origin; 6) in the case of material, 11,370 which is easy to cold work, no bands were formed, but in the formed sample, however, recrystallization had occurred; 7) from the experimental study it is concluded that high-speed forming cannot be used until the kinetics and formation mechanism of the white bands is understood and the service life of the dies has been radically increased. One way of preventing the formation of white bands is through the correct choice of [illegible] the formation

mechanism of the structural changes investigated is advanced. [illegible] 15 diagrams.

Card 2/3

L 15228-65
ACCESSION NR: AP4045058

ASSOCIATION: Vysoke uceni technicke, Brno (Higher Technical School)

SUBMITTED: 00 ENCL: 00 SUB CODE: MM

NO REF SOV: 009 OTHER: 016

Card 3/3

OSINA, V., doc. inz. CSc.

"Atlas of diagrams for structure steel heat treatment" by V. Kraus. Reviewed by V. Osina. Strojirenstvi 14 no.10 '64.

ZHUKOV, V.A., dotsent, kandidat tekhnicheskikh nauk; OSINA, R.P., student.

Procedure for determining the optimum content of organic substances in industrial shale. Trudy LIEI no.9:134-139 '55. (MLRA 9:9)

(Oil shales)

OSINA, E.E.

Isolation of insulin from the pancreas of small cattle and horses. R. K. Aliev, E. E. Osina, and B. G. Glaziyan. *Doklady Akad. Nauk Azerbaidzhan. S.S.R.* 12, 57-64 (1956)(in Russian).—The pancreas of horses or small farm animals (sheep, goats) can serve as a productive source of insulin by extn. with acidified EtOH, defatting, and salting out with $(NH_4)_2SO_4$, followed by NaCl. Details of the procedures are given. G. M. Kosolapoff

L 46789-66 T/EWP(t)/ETI IJP(c) JD

ACC NR: AP6023915 SOURCE CODE: CZ/0065/66/000/002/0168/0179

32
36
5

AUTHOR: Osina, Vladislav

ORG: Department of the Science of Materials, Engineering Faculty, VUT, Brno (Katedra nauky o materialu, strojni fakulta VUT)

TITLE: Study of the influence of an impact wave on the transformation of austenite

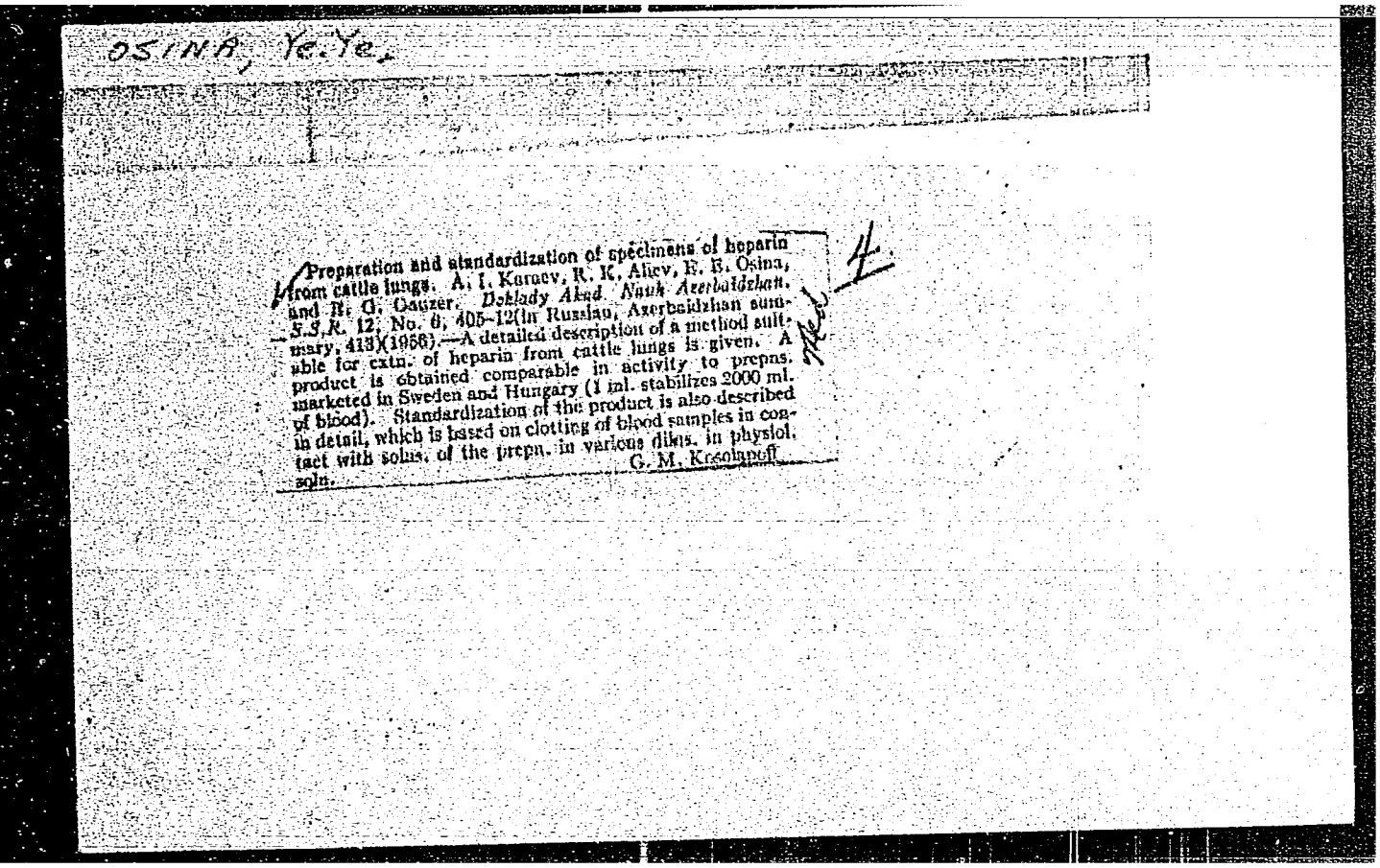
SOURCE: Kovove materialy, no. 2, 1966, 168-179

TOPIC TAGS: austenite, austenite transformation, impact wave, pressure effect, steel microstructure, bainite steel, martensite steel

ABSTRACT: The pressure effect of an impact wave on the transformation of austenite has been investigated in carbon steel 12060.1 and in cast steel 422661 in the temperature range of 950—1000C. The rates of the forming mandrel ranged from 50 m/sec to 190 m/sec. The achieved results proved that the pressure effect of a mandrel shot at the rate of 50 m/sec did not considerably change the microstructure. Perlitic and perlito-troostitic microstructure has been obtained, the

Card 1/2

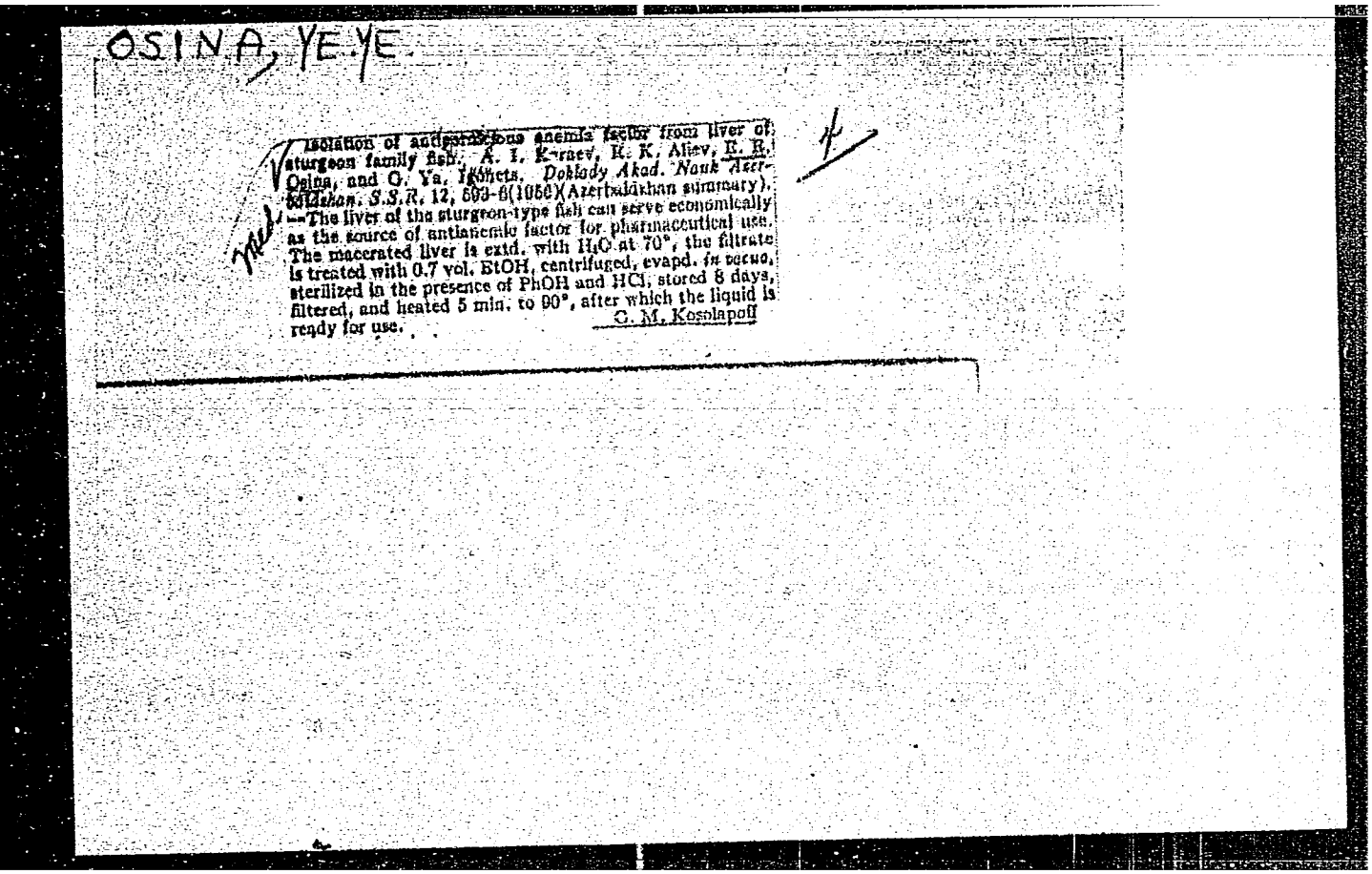
Card 2/2



OSINA, Ye. Ye.

Preparation and standardization of specimens of heparin from cattle lungs. A. I. Karaev, R. K. Aliev, E. E. Osina, and R. G. Gauzer. *Doklady Akad. Nauk Azerbaidzhan. S.S.R.* 12, No. 6, 405–12(In Russian, Azerbaidzhan summary, 413)(1956).—A detailed description of a method suitable for extn. of heparin from cattle lungs is given. A product is obtained comparable in activity to prepns. marketed in Sweden and Hungary (1 ml. stabilizes 2000 ml. of blood). Standardization of the product is also described in detail, which is based on clotting of blood samples in contact with solns. of the prepn. in various dilns. in physiol. soln.

G. M. Kresnapoff



OSINA, YE. YE.

Isolation of antipernicious anemia factor from liver of sturgeon family fish. A. I. Karaev, R. K. Aliev, E. E. Osina, and O. Ya. Ignets. *Doklady Akad. Nauk Azer-baidzhan. S.S.R.* 12, 693-6(1956)(Azerbaidzhan summary).—The liver of the sturgeon-type fish can serve economically as the source of antianemic factor for pharmaceutical use. The macerated liver is extd. with H_2O at 70°, the filtrate is treated with 0.7 vol. EtOH, centrifuged, evapd. *in vacuo*, sterilized in the presence of PhOH and HCl, stored 8 days, filtered, and heated 5 min. to 90°, after which the liquid is ready for use. G. M. Kosolapoff

KARAYEV, A.I.; ALIYEV, R.K.; OSINA, Ye.Ye.; GAUZER, Ye.G.; IGONETS, G.Ya.

Industrial method of manufacturing triprotamine sulfate from sturgeon milt. Izv.AN Azerb.SSR no.1:101-110 Ja '57. (MLRA 10:5)
(Krasnodar Territory)--Snails)

ALIYEV, R.K.; OSIPA, Ye.Ye.; GAUZER, Ye.G.

Method for commercial production of cholenzyme. Dokl. AN Azerb. SSR 13 no.4:419-424 '57. (MIRA 10:7)

1. Azerbaydzgabskoy meditsinskiy institut. Predstavleno akademikom Akademii nauk Azerbaydzhanskoy SSR M.A. Topchibashevym.
(ENDOCRINOLOGY) (PHARMACY) (MATERIA MEDICA, ANIMAL)

ALIYEV, R.K.; OSINA, Ye.Ye.; GAUZER, Ye.G.

Industrial method for preparing artificial gastric juice.
Dokl. AN Azerb. SSR 14 no.12:1053-1058 '58. (MIRA 12:1)

1.Azerbaydzhanskiy meditsinskiy institut im. N. Narimanova.
Predstavleno akademikom AN AzerSSR A.I. Karayevym.
(GASTRIC JUICE)

ZHIDOVTSEV, N.A.; OSINCHUK, Z.P.

Effect of hydrostatic pressure on drilling indices of the Dolina area. Neft. i gaz. prom. no.2:17-21 Ap-Je '62. (MIRA 15:6)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut ugol'noy, rudnoy, neftyanoy i gazovoy promyshlennosti.
(Dolina region (Stanislav Province)--Oil well drilling)

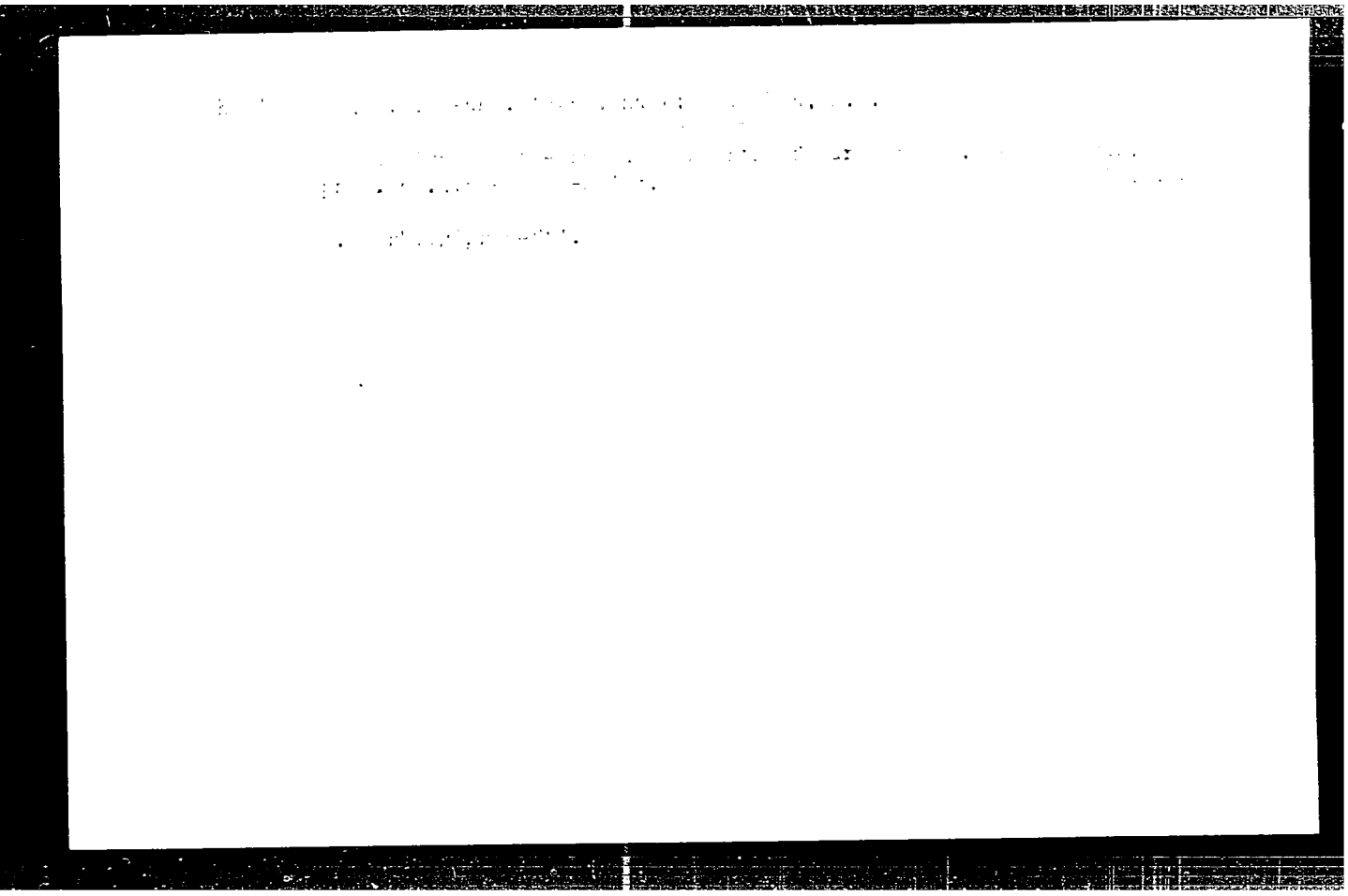
KOL'CHENKO, A.V., kand.tekhn.nauk; ZHIDOVTSEV, N.A., kand.tekhn.nauk;
OSINCHUK, Z.P., inzh.

Effect of hydrostatic pressure on the drillability of rocks.
Nauch. zap. Ukrniiproekta no.9:15-23 '62. (MIRA 16:7)
(Oil well drilling) (Oil well drilling fluids)

KOL'CHENKO, A.V.; OSINCHUK, Z.P.

Improved radial rubber-metal turbodrill supports. Mash.i neft. obor. no.12:3-6 '63. (MIRA 17:4)

1. UkrNIIgiproneft'.



APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

KOL'CHENKO, A.V.; OLINCHUK, Z.P.

Design of a turbodrill nipple with a removable elastic ring.
Mash. i neft. obor. no.6:3-6 '65. (MIRA 18:7)

1. Institut "UkrNIIgiprogeft'", Kiyev.

KOL'CHENKO, A.V.; OSINCHUK, [illegible]

Design of a screw [illegible] system for [illegible]
neft. obor. no.7-8-11 '56.

1. "UkrNIIGiprneft'", Kiyev.

SAVOGIN, N.A., inzh.; OSINENKO, V.A., inzh.; GERMANOV, A.P., inzh.

Asynchronous mode of operation of a TV2-150-2 turbogenerator and its connection in a power distribution network using a self-synchronization technique. Elek. sta. 34 no.8:66-67 Ag '63. (MIRA 16:11)

OSINEVICH, V.V.

Small heating unit for SKT-48 driers. Obm.tekh.opyt. [MLP] no.36: 44-45 '56. (MIRA 11:11)
(Drying apparatus--Textile fabrics)

OSININ, O., predsedatel'.

The shop committee helps the activist group master trade-union work.
V pom. profaktivu 14 no.16:34 Ag '53. (MLRA 6:7)

1. Zavkom Chelyabinskogo traktornogo zavoda. (Trade-unions)

OSININ, O.P.

Our contribution to the Russian tractor industry. Mashinostroitel' no.11:19-20 N '57. (MIRA 10:10)

1.Sekretar' Partiynogo Komiteta Chelyabinskogo traktornogo zavoda.

(Chelyabinsk--Tractor industry)

L 18413-66 EWT(m)/EWP(j)/T RM
ACC NR: AP6003418 SOURCE CODE: UR/0190/66/008/001/0094/0097

AUTHORS: Goykhman, A. Sh.; Osinina, L. A.; Osinin, S. G.; Nosov, M. P. 51 B

ORG: Kiev Branch of All-Union Scientific Research Institute of Artificial Fibers (Kievskiy filial vsesoyuznogo nauchno-issledovatel'skogo instituta iskusstvennogo volokna)

TITLE: Correlation of the macromolecular orientation index in fibers, determined by x-ray and acoustic measurements

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 1, 1966, 94-97

TOPIC TAGS: polymer, polyamide, polyamide compound, caprone, molecular structure, macromolecule

15.44.55

ABSTRACT: The orientation indices for polycaproamide fibers stretched at 180C were determined as a function of degree of stretching by x-ray methods to establish a correlation between the orientation indices of macromolecules in fibers determined by different methods. The acoustical data were obtained and treated after the method of W. W. Moseley (J. Appl. Polymer Sci., 3, 266, 1960), and the x-ray data were treated after J. Cerny (Faserforsch. und Textiltechn., 15,

Card 1/2 UDC: 678.01:53

L 18413-66

ACC NR: AP6003418

321, 1964). The experimental results are presented graphically (see Fig. 1).

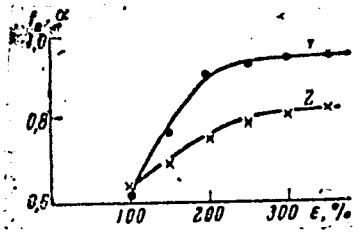


Fig. 1. Dependence of the orientation factor on the degree stretching. 1 - x-ray data (f^0); 2 - ultrasound data (α).

It is noted that (during stretching) the orientation of crystallites occurs more rapidly than the orientation of macromolecules in the amorphous regions of the polymer. At 200% elongation, the orientation is due to the orientation of the macromolecules in the amorphous regions of the polymer. The molecular orientation index for macromolecules in crystallites was found to be larger than the mean orientation index. Orig. art. has: 1 graph and 6 equations.

SUB CODE: 11/ SUBM DATE: 17Feb65/ ORIG REF: 004/ OTH REF: 005

Card 2/2 pa

L 32664-66 EWT(m)/EWP(j)/T RM
ACC NR: AP6015048 (A) SOURCE CODE: UR/0190/66/008/005/0829/0833

AUTHORS: Nosov, M. P.; Osinin, S. G.

ORG: Kiev Branch of the Scientific Research Institute of Synthetic Fiber (Kiyevskiy filial nauchno-issledovatel'skogo instituta iskusstvennogo volokna)

TITLE: Acoustic method of studying molecular orientation of fibers

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 5, 1966, 829-833

TOPIC TAGS: synthetic fiber, elastic modulus, molecular property, acoustic effect, ~~fiber drawing molecular orientation~~ ACOUSTIC ANALYSIS

ABSTRACT: An acoustic investigation of the molecular orientation of fibers has been carried out. The elasticity modulus and index of the mean molecular orientation of fibers are related to the sound velocity in fiber. The acoustic method of determining both quantities has certain advantages over other methods. The method is very accurate and sensitive to the changes in the fiber structures. The results are in agreement with the birefringence and X-ray methods. Measurements of the orientation indices for capron fibers drawn at different temperatures to various lengths show that the dependence of the molecular orientation angle on drawing degree is close to linear and tends to saturation at high degrees of drawing. The increase of temperature in the drawing upon facilitates the operation. In the drawing range of 1.8 to 2.5 times, the

Card 1/2 UDC: 678.01:53

L 32664-66

ACC NR: AP6015048

structure of the stretched fiber possesses the highest nonuniformity along the length. Orig. art. has: 6 figures, 3 formulas and 1 table. [NT]

SUB CODE: 11,20/ SUBM DATE: 28Apr65/ ORIG REF: 004 / OTH REF: 007

Card 2/2 BLG

L 18413-66 EWT(m)/EWP(j)/T RM
ACC NR: AP6003418 SOURCE CODE: UR/0190/66/008/001/0094/0097

AUTHORS: Goykhman, A. Sh.; Osinina, L. A.; Osinin, S. G.; Nosov, M. P. 51 B

ORG: Kiev Branch of All-Union Scientific Research Institute of Artificial Fibers (Kievskiy filial vsesoyuznogo nauchno-issledovatel'skogo instituta iskusstvennogo volokna)

TITLE: Correlation of the macromolecular orientation index in fibers, determined by x-ray and acoustic measurements

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 1, 1966, 94-97

TOPIC TAGS: polymer, polyamide, polyamide compound, caprone, molecular structure, macromolecule

B,44,55

ABSTRACT: The orientation indices for polycaproamide fibers stretched at 180C were determined as a function of degree of stretching by x-ray methods to establish a correlation between the orientation indices of macromolecules in fibers determined by different methods. The acoustical data were obtained and treated after the method of W. W. Moseley (J. Appl. Polymer Sci., 3, 266, 1960), and the x-ray data were treated after J. Cerny (Faserforsch. und Textiltechn., 15,

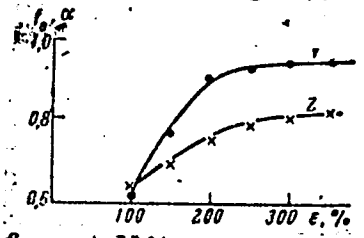
Card 1/2 UDC: 678.01:53

L 18413-66

ACC NR: AP6003418

321, 1964). The experimental results are presented graphically (see Fig. 1).

Fig. 1. Dependence of the orientation factor on the degree stretching. 1 - x-ray data (f^o); 2 - ultrasound data (α).



It is noted that (during stretching) the orientation of crystallites occurs more rapidly than the orientation of macromolecules in the amorphous regions of the polymer. At 200% elongation, the orientation is due to the orientation of the macromolecules in the amorphous regions of the polymer. The molecular orientation index for macromolecules in crystallites was found to be larger than the mean orientation index. Orig. art. has: 1 graph and 6 equations.

SUB CODE: 11/ SUBM DATE: 17Feb65/ ORIG REF: 004/ OTH REF: 005

Card 2/2 pa

OSININA, M Ye

UDOVENKO, V.V., TOROPOV, A.P. and OSININA, M.Ye.

Osinina, M.Ye. - "Conductometric titration of anabasine," Doklady Akad. nauk UzSSR, 1949, No. 1, p. 7-10 -- Summary in Uzbek

SO: U-3566, 15 March, 53, (Letopis 'Zhurnal 'nykh Statey, No. 14, 1949).

OSININA, O. G.

Osinina, O. G. — "Investigation of the Heat and Hydraulic Working Conditions of a Forced Tube Furnace of the Convection Type." Min Higher Education USSR, Mosco. Order of Labor Red Banner Petroleum Inst imeni Academician I. M. Gubkin, Moscow, 1955 (Dissertation for the Degree of Candidate in Technical Sciences)

SO: Knizhnaya Letopis', No 24, 11 June 1955, Moscow, Pages 91-104

YENTUS, Nikolay Romanovich; OSININA, Ol'ga Georgiyevna; KLEYMENOVA, K.F., vedushchiy red.; FEDOTOVA, I.G., tekhn.red.

[Maintenance, repair, and operation of petroleum refinery tube furnaces] Remont i ekspluatatsiia trubchatykh pechei neftezavodov. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1960. 59 p. (MIRA 14:3)
(Petroleum refineries--Equipment and supplies)

OSININA, O.G.; ZATULOVSKIY, L.V.

Determining the temperature of flue gases in the transfer line of pipe tills. Nefteper. i neftekhim. no.2:16-18 '63. (MIRA 17:1)

1. Kuybyshevskiy industrial'nyy institut.

[illegible]SINA, [illegible].[illegible].

Estimation of [illegible] temperature of [illegible] in the radiant [illegible]chamb[illegible] of a tube[illegible] [illegible] contamination. [illegible]v. vys. ucheb. zav[illegible] [illegible] 1963

1. Kuybyshevsk[illegible] [illegible] khn[illegible] [illegible] [illegible]

OSINKIN, A.A.

First plants for the industrial production of hydrogen. Trudy Inst.ist.est.i tekh. nol.6:338-346 '55. (MLRA 9:5)
(Hydrogen)

OSIPKIN, A.A.

Life and activity of Academician K.Kirchhof. Trudy Inst.ist.est. i tekh.30:252-287 '60. (MIRA 13:8)
(Kirchhof, Konstantin, 1764-1833)

OSINKIN, N.V., inzhener.

Method of preliminary weight determination of a marine engine-boiler plant. Trudy VNITOSS 6 no.3:142-168 '55. (MLRA 10:4)
(Boilers, Marine)

FEYGIN, M.M.; MASHKOVICH, A.M.; LOSKUTOV, V.A.; OSINNYKH, V.Ya.

Four-position device for removing burrs from plastic parts.
Mashinostroitel' no.1:25 Ja '63. (MIRA 16:2)
(Grinding machines)

KAPRANOV, V.N.; LOSKUTOV, V.A.; FEYGIN, M.M.; OSINNYKH, V.Ya.

Device for cleaning metallic reinforcements. Mashinostroitel' no.2:20 F '63. (MIRA 16:3)

(Metal cleaning)

LOSKUTOV, V.A.; FEYGIN, M.M.; OSINNYKH, V.Ya.

Semiautomatic machine for cleaning plastic articles.
Mashinostroitel' no.9:8-9 S '63. (MIRA 16:10)

(Plastics machinery)

OSINOV, N.

Frogs

Frogs are be hunters. Pchelovodstvo 29 No. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, August 1952, Uncl.

IVANISENKO, V., polkovnik, [illegible], podpolkovnik

Training in [illegible]. Voen. vest. 43 no.9:106-109 S '63. (MIRA 16:10)

LINEVA, V.A.; OSINOVA, L.S.; TAMARINA, N.A.

Method for determining the resistance of the housefly Musca domestica L., to insecticides. Report No.2. Med.paraz.i paraz. bol. no.5:603-608 '61. (MIRA 14:10)
(INSECTICIDES) (FLIES)

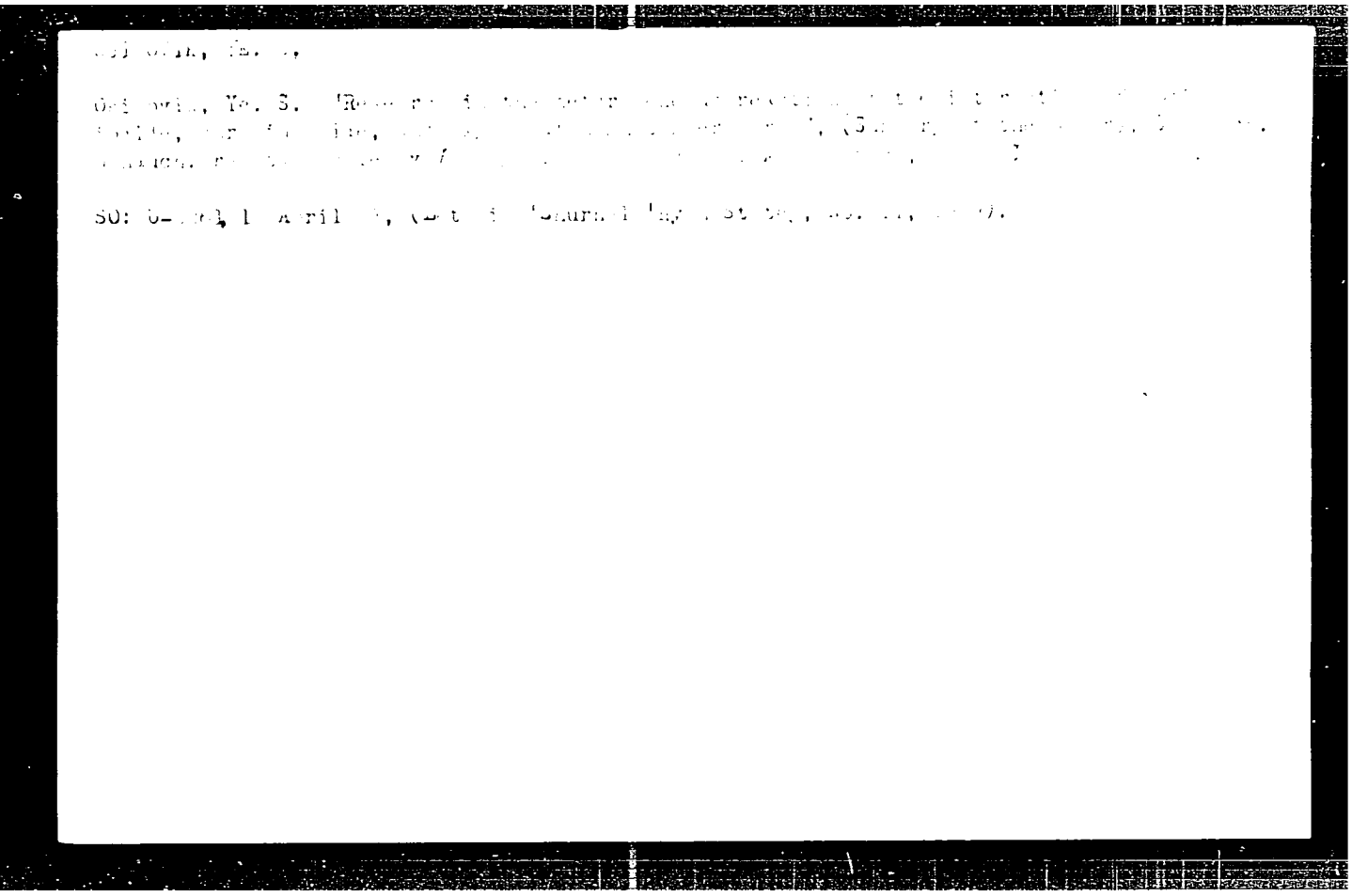
OSINOVATIKOV, A.D., inzhener.

Mechanical removal of bolts during repairs of wooden ships. Izobr. v SSSR 2 no.4:21 Ap '57. (MLRA 10:6)
(Bolts and nuts) (Ships, Wooden--Repairing)

OSINOVETS, Ye., aspirant

A milker as the author of a booklet ("My favorite profession" by A. G. Nadtochii. Reviewed by E. Osinovets). Zhivotnovodstvo 21 no.11: 96 N '59 (MIRA 13:3)

1. Krasnodarskiy pedagogocheskiy institut.
(Dairying) (Nadtochii, A.G.)



Osinovik, E.S.

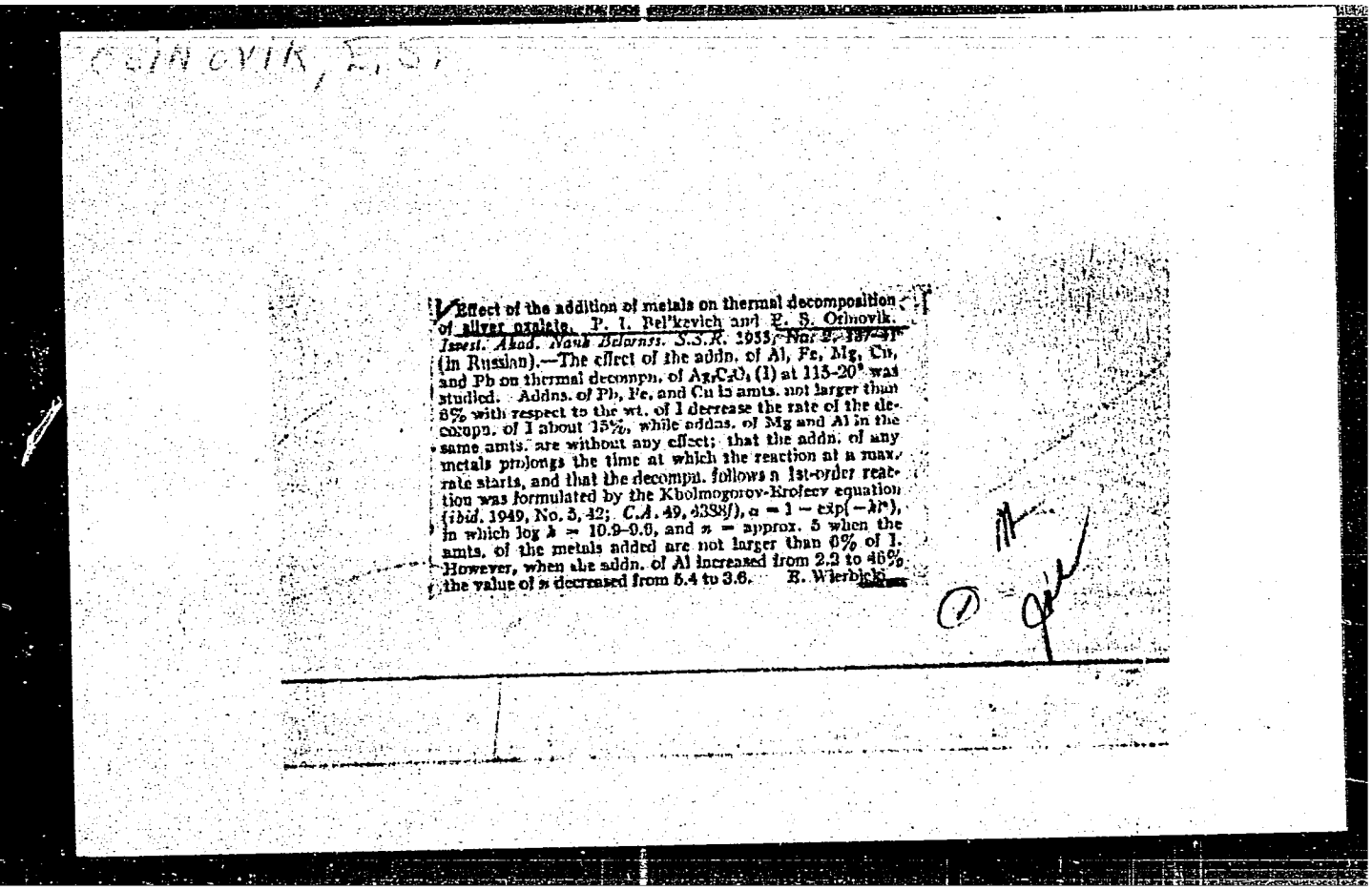
3

M. A. YUUTZ
2 copies

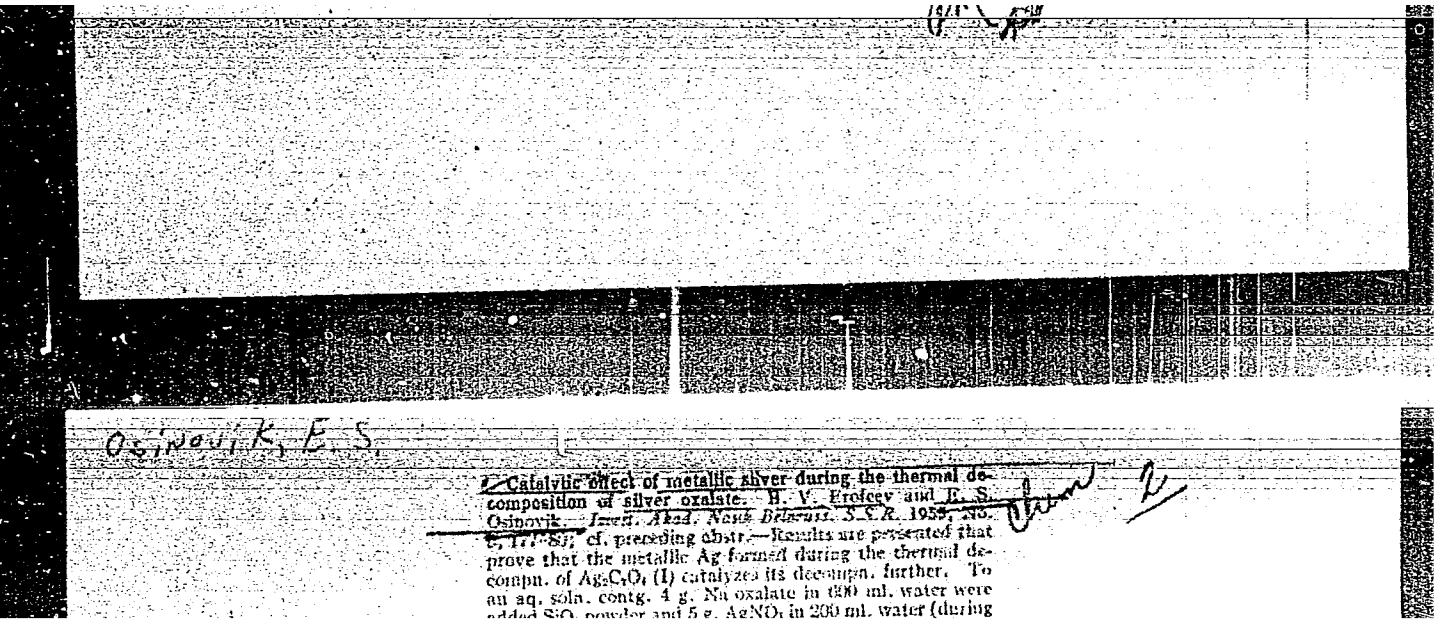
V A chain character of the autoxidation of resin acids. B. V. Brolsev and E. S. Osinovik. *Izvest. Akad. Nauk Belorussk. S.S.R.* 1955, No. 1, 115–17(in Russian).—A 0.5*M* abietic acid (I) soln. in C_6H_5, was treated at 80° with 1% (based on I) $Co(OAc)_2$ (an initiator of the autoxidation) and 1% of the following substances possessing antioxidative properties: *p*-$H_2NC_6H_4OH$, 2,6- and 2,7-$C_{10}H_6(OH)_2$, 2-naphthol (II), quinone, 8-hydroxyquinoline, 1-$C_{10}H_7NH_2$, quinhydrone, hydroquinone, and *p*-$PhNHC_6H_4NH_2$ (III). The mixts. were then aerated. The amts. of O (in ml.) absorbed/g. I/hr. were 180, 108, 102, 112, 92, 60, 19, 0, 0, and 9, resp., as compared with 400 ml. for the I soln. contg. no antioxidant. Plotting $1/V$ vs. $[U]$ (where V = original velocity of the autoxidation of I at the inhibitor concn. of $[U]$), as shown for II and III, gives straight line results, which correlates V with $[U]$ by the formula $V_0 = V_0/(1 + b[U])$, where V_0 = original velocity of the autoxidation at zero concn. of $[U]$, and b = const. The effects of the antioxidants were equally pronounced when they were mixed with I in the solid amorphous state instead of in C_6H_6 or xylene solns.

E. Wierbicki

(1)



Effect of the addition of metals on thermal decomposition of silver oxalate. P. I. Bel'kevich and E. S. Orlovik. *Izvest. Akad. Nauk Belorus. S.S.R.* 1953, No. 2, 137-41 (in Russian).—The effect of the addn. of Al, Fe, Mg, Cu, and Pb on thermal decompn. of $Ag_2C_2O_4$ (I) at 115-20° was studied. Addns. of Pb, Fe, and Cu in amts. not larger than 8% with respect to the wt. of I decrease the rate of the decompn. of I about 15%, while addns. of Mg and Al in the same amts. are without any effect; that the addn. of any metals prolongs the time at which the reaction at a max. rate starts, and that the decompn. follows a 1st-order reaction was formulated by the Kholmogorov-Krofeev equation (*ibid.* 1949, No. 5, 42; *C.A.* 49, 2338f), $\alpha = 1 - \exp(-kt^n)$, in which $\log k = 10.9-0.0$, and n = approx. 5 when the amts. of the metals added are not larger than 0% of I. However, when the addn. of Al increased from 2.2 to 46% the value of n decreased from 5.4 to 3.6. E. Wierbicki



Osinovik, E. S.

Catalytic effect of metallic silver during the thermal decomposition of silver oxalate. N. V. Profeev and E. S. Osinovik. *Izvest. Akad. Nauk Belorus. S.S.R.* 1956, No. 6, 77-81; cf. preceding abstr.—Results are presented that prove that the metallic Ag formed during the thermal decompn. of $Ag_2C_2O_4$ (I) catalyzes its decompn. further. To an aq. soln. contg. 4 g. Na oxalate in 800 ml. water were added SiO_2 powder and 5 g. $AgNO_3$ in 200 ml. water (during

PAVLYUCHENKO, M.M.; OSINOVIK, Ye.S.

Kinetics of the oxidation of sodium and potassium abietates. Uch. zap. BGU no.24:175-182 '55. (MLRA 10:1)
(Abietic acid) (Oxidation)

Osinovik, E. S.

Kinetics of the thermal decomposition of potassium permanganate in the presence of aluminum. E. S. Osinovik and P. I. Bel'kevich. *Vestsi Akad. Navuk Belorus. S.S.R., Ser. Fiz.-Tekh. Navuk* 1956, No. 1, 127-9(in Russian).—Thermal decompn. of $KMnO_4$, $2KMnO_4 = K_2MnO_4 + MnO_2 + O_2$, is accelerated in the presence of powd. Al (16.5% Al addn.) at the temp. of 350°, but not at 265°. This accelerated effect of Al at the high temp. is due to the thermal effect of the reaction $4Al + 3O_2 = 2Al_2O_3$ + 7000 cal./kg. on the formation of the initial centers of the decompn. of $KMnO_4$. E. Wierbicki

OSINOVIK, Ye.S.

Proof of catalysis in solid state reaction by destroying the contact between the initial solid phase and the forming solid phase. Sbor.nauch. rab.Inst.khim.AN BSSR no.5:51-57 '56. (MLRA 10:5)
(Mercury organic compounds)
(Catalysis)
(Chemical reaction--Mechanism)

Osinavik Ye

USSR/Physical Chemistry - Kinetics, Combustion, Explosions, Topochemistry, Catalysis. B-9

Abs Jour : Referat Zhur - Khimiya, No 1, 1958, 451

Author : P.I. Bel'kevich, Ye.S. Osinavik.

Inst : Academy of Sciences of White Russian SSR.

Title : Diffusion-Chemical Action of Metal Additions at Thermal Dissociation of Silver Oxalate.

Orig Pub : Vestsi AN BSSR. Ser. fiz. tekhn. n., Izv. AN BSSR. Ser fiz.-tekhn. n., 1957, No 1, 65-70

Abstract : A layer of powdered metal (Al, Fe or Cu) was added to a weighed sample of $Ag_2C_2O_4$ (I) and the dample was pressed into a tablet, which was kept in storage before experimenting for some time . It was revealed that the thermal dissociation (DT) was retarded by the metals, if had been less than one month. A gradual transition from

Card 1/2

USSR/Physical Chemistry - Kinetics, Combustion, Explosions, Topochemistry, Catalysis. B-9

Abs Jour : Ref Zhur - Khimiya, No 1, 1958, 451

retardation of DT to its acceleration is observed, if increased with-in the range from 1 to 6 months. If 8 months, DT proceeds with an explosion. The obtained regularities are explained from the point of view of autocatalytical action of the dissociation product, which is crystallochemically homologous to the initial substance, on the DT speed.

Card 2/2

(SINOVIK, Ye S.

5(3) PHASE I BOOK EXPLOITATION SOV/1285

Akademiya nauk Belorusskoy SSR. Institut khimii

Sbornik nauchnykh rabot, vyp. 6 (Collection of Scientific Works of the Institute of Chemistry, Belorussian SSR Academy of Sciences, Nr 6) Minsk, Izd-vo AN Belorusskoy SSR, 1958. 271 p. 1,100 copies printed.

Ed.: Yerofeyev, B.V., Academician, BSSR Academy of Sciences; Tech. Ed.: Volokhanovich, I.

PURPOSE: The book is intended for chemists engaged in research in specialized fields.

COVERAGE: The book is a collection of scientific articles dealing with varied subjects, such as problems in electron theory of semiconductors, catalysis, autoxidation of abietic acid, thermodynamics of some reactions of sulfur organic compounds and reactions of alkyl, aryl, acyl-oxy radicals in the liquid phase. Personalities are mentioned in the individual articles. There are 331 references, of which 215 are Soviet, 75 English, 30 German, 10 French, and 1 Finnish

Card 1/5

TABLE OF CONTENTS:

Cherches, Kh.A. Nature of Sapinic Acid Isolated from the Resin of Norway Spruce 256

AVAILABLE: Library of Congress

Card 5/5

OSINOVIK, Yu.S.

Formation of initial reaction centers in the induction period of thermal decomposition of barium azide. Sbor. nauch. rab. Inst. khim. AN BSSR no.6:59-65 '58. (MIRA 11:11)
(Barium azide) (Chemical reaction, Rate of)

OSINOVIK, Ye.S.; YANCHUK, A.F.

Effect of gaseous oxygen, carbon monoxide, and nitrogen on the thermal decomposition rate of barium azide. Vestsi AN BSSR.Ser.khim.nav. no.2:115-117 '65.

(MIRA 18:12)

OSINOVIK, Ye.S.; YANCHUK, A.F.

Catalytic action of metallic nickel during the thermal decomposition of nickel oxalate. Sbor. nauch. rab. Inst. fiz.-org. khim. AN BSSR no. 7:43-48 '59. (MIRA 14:4)
(Catalysts, Nickel) (Nickel oxalate)

ACC NR: AP6034919 (N) SOURCE CODE: UR/0419/66/000/003/0131/0133

AUTHOR: Osinovik, Ye. S.; Yanchuk, A. F.

ORG: Institute of Physical Organic Chemistry, AN BSSR (Institut fiziko-organicheskoy khimii AN BSSR)

TITLE: Kinetics of thermal decomposition of thorium oxalate

SOURCE: AN BSSR. Vestsi. Seryya khimichnykh navuk, no. 3, 1966, 131-133

TOPIC TAGS: thorium compound, oxalate, thermal decomposition

ABSTRACT: The kinetics of thermolysis of $Th(C_2O_4)_2 \cdot 6H_2O$ in a vacuum at 300, 320, 330, 340 and 350°C were studied with the aid of the topokinetic equation $\alpha = 1-\exp(-kt^n)$, where α is the fraction of reacted substance, t is the reaction time, and k and n are constants. The process was found to include the following two steps:

$$Th(C_2O_4)_2 = Th(CO_3)_2 + 2CO,$$

$$Th(CO_3)_2 = ThO_2 + 2CO_2.$$

Toward the end of the thermal decomposition of thorium oxalate, at 350°C, the amounts of CO and CO_2 evolved are approximately equal, which corresponds to the reaction

$$Th(C_2O_4)_2 = ThO_2 + 2CO + 2CO_2.$$

Card 1/2

ACC NR: AP6034919

The small values of n obtained by analyzing the kinetic curve (from 0.4 to 1) are attributed to the fact that the thermolysis reaction spreads simultaneously over the entire mass of the substance, i. e., that active reaction centers are present at the start of the chemical process. Orig. art. has: 2 figures and 5 formulas.

SUB CODE: 07/ SUBM DATE: none/ ORIG REF: 005/ OTH REF: 005

Card 2/2

OSINOVSKAYA, Rakhil' Izrailevna; POTAPOV, V.P., inzh., retsenzent; PREDE, V.Yu., inzh., red.; VOROTNIKOVA, L.F., tekhn. red.

[Commercial work on foreign railroads] Kommercheskaia rabota na zarubezhnykh zheleznykh dorogakh. Moskva, Transzheldorizdat, 1962. 90 p. (MIRA 15:7)
(Railroads—Freight)

OSINOVSKIKH, G., podpolkovnik

"Your happiness, soldier, and ours, is in work!" Sov. profsoiuzy 18 no.3:18-19 F '62. (MIRA 15:3)
(Moscow--Automobile industry)
(Russia--Army--Education, Nonmilitary)

MIKHAYLOV, V.V.; SHAVRIN, S.V.; CHENTSOV, A.V.; KUSAKIN, P.S.; SAPOZHNIKOVA, T.V.; OSINOVSKIKH, L.L.

Continuous process of separating titanium slags from iron-titanium concentrates. Trudy Inst. met. UFAN SSSR no.2:47-54 '58. (MIRA 12:4)

(Titanium ores) (Ore dressing)

MIKHAYLOV, V.V.; KUDINOV, B.Z.; ZHUCHKOV, V.I.; CHENTSOV, A.V.; OSINOVSKIKH, L.L.

Smelting Bakal ores with maximum use of siderites in blast furnace charges. Trudy Inst. met. UFAN SSSR no.2:61-66 '58. (MIRA 12:4)

(Bakal region--Siderites) (Blast furnaces)

OSINOVSKIY, A. N.

"Academician D. S. Rozhdestvenskiy and His Role in the Development of Soviet Physics." Cand Phys-Math Sci, Moscow Oblast Pedagogical Inst, 11 Nov 54. (VM, 1 Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

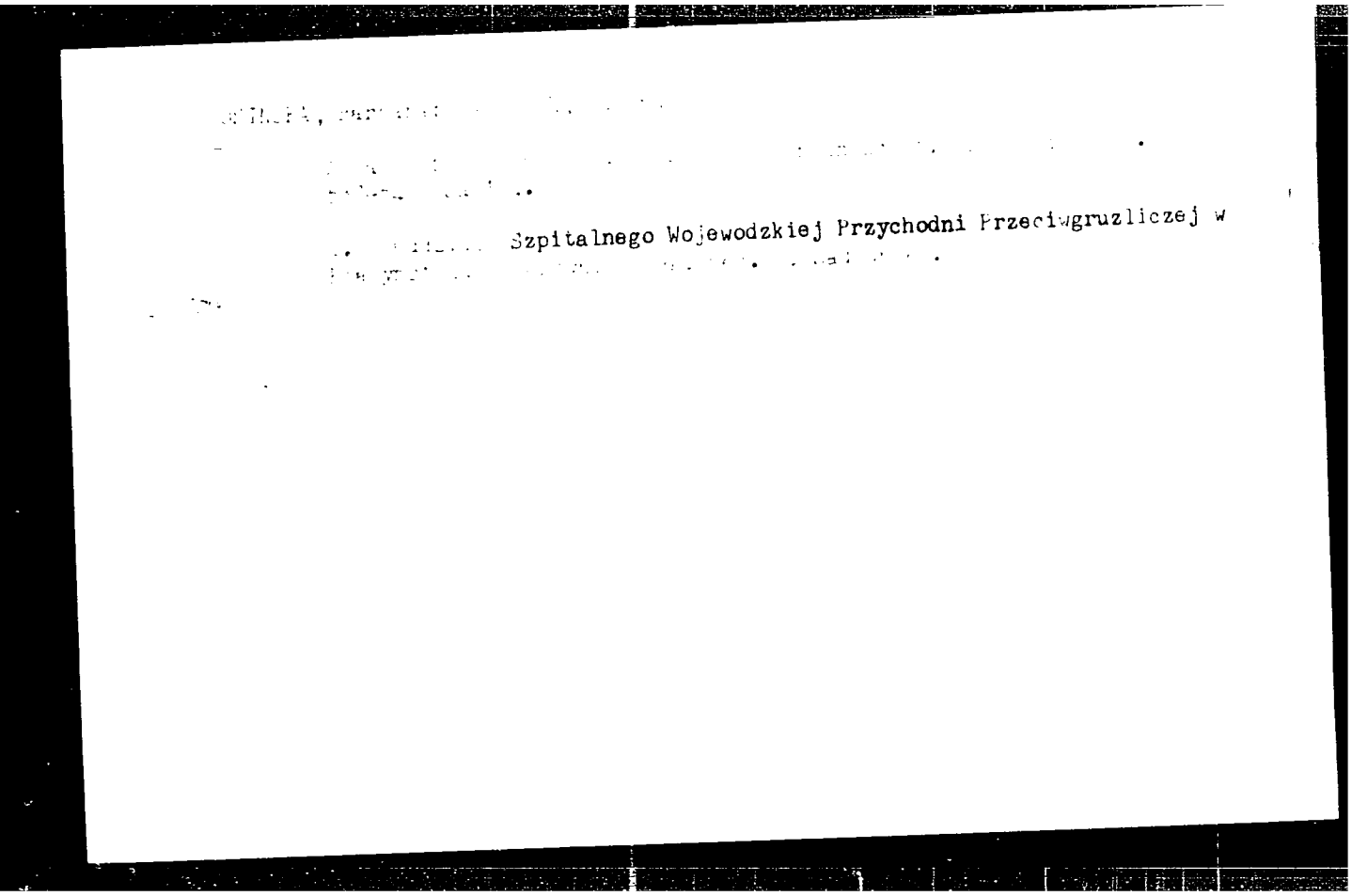
SO: Sum. No. 521, 2 Jun 55

DOMBROVSKAYA, Yu.F., prof.; ZHUKOVSKIY,M.A., starshiy nauchn.sotr.; KUTUSHEV, F.Kh., doktor med.nauk; LEBEDEV, D.D., prof.; MASLOV, M.S., prof.[deceased]; MISHURA,V.I., kand.med. nauk; OSIPOVSKIY, N.I., prof.; SHAMSIYEV, S.Sh., prof.; ROGOV,A.A., red.; CHUYEVA, L.F., red.; BUL'DYAYEV, N.A., tekhn. red.

[Multivolume manual on pediatrics]Mnogotomnoe rukovodstvo po pediatrii. Moskva, Medgiz. Vol.3. 1962. 586 p. (MIRA 15:9)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Dombrovskaya, Maslov).

(PEDIATRICS)



Szpitalnego Wojewodzkiej Przychodni Przeciwgruzliczej w

OSINSKA, Dorota

A case of destructive angiomatosis of the upper extremity in an infant. Pediat. Pol. 39 no.8:969-973 Ag '64

1. I Kliniki Onkologicznej Instytutu Matki i Dziecka w Warszawie (Kierownik: doc. dr. med. J. Bozek; Dyrektor Instytutu: prof. dr. med. B. Gornicki).

OSINSKA, JADWIGA

POLAND/Chemical Technology, Chemical Products and Their Application, Part 3. - Food Industry. H-28

Abs Jour: Referat. Zhurnal Khimiya, No 10, 1958, 34256.

Author : Stanislaw Brzeziński, Lidia Kosewska, Jadwiga Osińska, Stefan Sabiniewicz.

Inst : Not given.

Title : Use of Nutmeg Flowers and Caraway Seeds in Cucumber Preservation.

Orig Pub: Przem. spożywczy, 1957, 11, No 11, 470-473.

Abstract: The use of a mixture of nutmeg flowers (Nigella sativa) and caraway seeds (1 : 1) in the amount of 2.7 o/oo (of the pickle amount) considerably increases the stability of canned cucumbers stored at 18 to 20°.

Card : 1/1

POLAND/Food Processing Industry.

Abs Jour : Ref Zhur - Khimiya, No 19, 1958, 65849

Author : Osinska Jadwiga
Inst :
Title : On the Question Concerning the Correct Balance of Dry Substances in the Production of Marmalade.

Orig Pub : Przetwor. owoc.-warz. i koncentr., 1958, 2, No 1, 17-19.

Abstract : For the correct calculation of yield in the process of the production of marmalade it is necessary to determine the degree of inversion of sugar, which increases the growth of the quantity of dry substances (DS); during the calculation of the quantity of DS, introduced by the addition of sugar, to consider the growth of DS of saccharose as a result of the inversion; to decrease relatively the quantity of added sugar and fruit mass; for the determination of the actual content of DS in marmalade, to introduce a correction to the readings of the refractometer.

Card 1/1

BIRECKI, M.; GABRIEL, ... SZKOLA, ...

Influence of agrotechnical treatments on the seed value of seed potatoes. Pt. 1. Roczniki nauk rol 88 no.2:235-254 '64.

1. Potato Research Department, Institute of Cultivation, Manuring and Soil Science, Warsaw.

MISIEWICZ, J;OSINSKA, K;WROCZYNSKA, K.

Treatment of laryngeal and pulmonary tuberculosis with small doses of streptomycin. Gruzlica, Warsz. 20 no. 2 233-238 Mar-Apr. 1952. (CLML 22:3)

1. Of the Institute of Tuberculosis (Director--Prof. J. Misiewicz, M. D.)

OSINSKA. K.

Artificial pneumothorax in tuberculosis dispensaries in Warsaw.
Gruzlica, Warsz. 20 no.3:387-397 May-June 1952. (CLML 23:2)

1. Of the Institute of Tuberculosis (Director--Prof. J. Misiewicz, M. D.), Warsaw.

OSINSKA, Krystyna; KAMINSKA-GONTOWA, Halina.

Relation of changes of form of pneumothorax to position of the body. Gruzlica 23 no.9:635-642 Sept. 55.

1. Z oddzialow grus. pluc Inst. Grus. Dyrektor: prof. dr. J.Misiewicz i Zak. Radiologii tegoz Inst. Kier.: doc. dr. K.Ossowska. Warszawa, ul. Plocka 26.

(PNEUMOTHORAX, ARTIFICIAL, eff. of body position)

OSIŃSKA, Krystyna.

Artificial stimulation of the surface of interlobar fissure inducing concrescence in pneumothorax with sliding of the upper lobe. Gruzlica 23 no.10:707-710 Oct. 55.

1. Z Instytutu Gruzlicy. Dyrektor: prof. dr. J.Misiewicz. Warszawa, ul. Plocka 26.

(PNEUMOTHORAX, ARTIFICIAL, complications, sliding of upper lobe, artif. stimulation of surface of interlobar fissue inducing concrescence)

KOZIOROWSKI, Antoni; OSINSKA, Krystyna

Respiratory disorders in artificial pneumothorax. II. Function of the respiratory tract following termination of complete successful pneumothorax. Gruzlica 24 no.4: 265-268 Apr 56.

1. Z Instytutu Gruzlicy w Warszawie. Dyrektor: prof. dr. J. Misiewicz, W-wa, ul. Plocka 26.
(PNEUMOTHORAX, ARTIFICIAL, complications, resp. disord. (Pol))
(RESPIRATION, disord. in artif. pneumothorax (Pol))

OSINSKA, Krystyna; KOZIOROWSKI, Antoni; BEDNARSK, Zbigniew

Respiratory disorders in artificial pneumothorax. III. Fibrothorax. Gruzlica 24 no.4:269-286 Apr 56.

1. Z Instytutu Gruzlicy. Dyrektor: prof. dr. J. Misiewicz.
(PNEUMOTHORAX, ARTIFICIAL, complications,
fibrothorax, spontaneous (Pol))
(LUNGS, diseases,
fibrothorax, spontaneous, in artif. pneumothorax. (Pol))

OSINSKA, Krystyna; KLOTT, Maria; ZAJACZKOWSKA, Jadwiga; KOCHANOWICZ, Jan; LACHOWICZ, Danuta; NASIADKO, Halina

Results of the treatment of pulmonary tuberculosis with 2 grams of streptomycin weekly associated with PAS. Gruzlica 24 no.5: 341-348 May 56.

1. Z Oddzialow ftyzjatrycznych Instytutu Gruzlicy Dyrektor: prof. dr. J. Misiewicz, Instytut gruzlicy, Warszawa, ul. Plocka 26.

(STREPTOMYCIN, therapeutic use,
pulm. tuberc., with PAS (Pol))
(PARAAMINOSLICYLIC ACID, therapeutic use,
pulm. tuberc., with streptomycin (Pol))

OSINSKA, Krystyna

Results of pneumothorax treatment at the tuberculosis dispensaries in Warsaw. Gruzlica 24 no.8:669-677 Aug 56.

1. Z Instytut Gruzlicy Dyrektor: prof. dr. J. Misiewicz.
(PNEUMOTHORAX, ARTIFICIAL, statist.)

WARESKA, Wanda; LYCZEWSKA, Janina; OSIŃSKA, Krystyna

Blood levels of para-aminosalicylic acid in pulmonary tuberculosis patients treated with various preparations & by various routes of administration. Gruzlica 26 no.2:99-112 Feb 58.

1. Z Pracowni Diagnostycznej Instytutu Gruzlicy Kierownik: mgr. W. Wareska Z Oddzialu XI Instytutu Gruzlicy. Kierownik: doc. dr P. Krakowka. Dyrektor Instytutu Gruzlicy: prof. dr J. Misiewicz. Adres: Warszawa, ul. Plocka 26.

(TUBERCULOSIS, PULMONARY, ther.
PAS, comparison of various prep. & admin (Pol))

OSINSKA, Krystyna, KORKUCZANSKI, Adam, WARESKA, Wanda

Blood levels of paraaminosalicylic acid (PAS) in patients with pulmonary tuberculosis. II Production and clinical use of the potassium salt of paraaminosalicylic acid (K-PAS). Gruzlica 26 no.6:473-478 Jun 58

1. Z Zakladu Farmacji Stosowanej; Kierownik: mgr A. Korkuczanski Instytutu Farmaceutycznego; Dyrektor: K. Kalandyk i z Oddzialu XI Kierownik: doc dr P. Krakowka z Pracowni Diagnostycznej; Kierownik: mrgr. W. Wareska Instytutu Gruzlicy; Dyrektor; prof. dr J. Misiewicz. Adres: Warszawa, ul. Lacznosci 8.
(TUBERCULOSIS, PULOMONARY, ther.
PAS potassium salt, prep. & clin. evaluation (Pol))

LIPINSKA, Ryszarda; OSINSKA, Krystyna; WOLANSKA, Aniela

Studies on the penetration of I-131 labeled albumin from the blood into the pleural cavity during cholesterol pleurisy. Gruzlica 33 no.4:333-336 Ap '65.

Cholesterol pleurisy. Ibid.:337-342

1. Z Instytutu Gruzlicy i z Oddzialu Plucnego Szpitala Miejskiego Nr. 1 w Warszawie.

HIRSZFELD, L.; LILLE-SZYSZKOWICS, I.; OSINSKA, M.

Further investigations on the significance of blood groups in pathologic states of pregnancy. Med.dosw.mikrob. 2 no.2:141-142 1950. (CIML 20:6)

1. Summary of report given at 10th Congress of the Polish Microbiological and Epidemiological Society held in Gdansk, Sept. 1949. (Wroclaw)

KRZYSZTOPORSKI, S.; OSINSKA, M.; HIRSZFELD, L.

On transmission of maternal antibodies during labor. Med.diew.mikrob. 2 no.2:144-145 1950. (CLML 20:6)

1. Summary of report given at 10th Congress of the Polish Microbiological and Epidemiological Society held in Gdansk, Sept. 1949. (Wroclaw.)

JABLONSKI, K.; LILLE-SZYSZKOWICZ, I.; OSINSKA, M.

Role of abortion in maternal isoimmunization by the group antigen of the fetus. Med.dosw.mikrob. 2 no.2:145-146 1950. (CIML 20:6)

1. Summary of report given at 10th Congress of the Polish Microbiological and Epidemiological Society held in Gdansk, Sept. 1949. (Wroclaw.)

HIRSZFELD, L.; KRZYSZTOPORSKI, S.; KLAWE, H.; TURCZYNSKI, T.; OSIŃSKA, M.; STOCHOWA, K.; LIBERSKA, H.

Further studies on the action of antiallergic drugs on pathological manifestations in pregnancy, with special reference to habitual abortions. Polski, tygod. lek. 6 no.25-26:786-795 25 June 51. (CIML 21:1)

1. Of the Research Center for the Pathology of Pregnancy of the Obstetric-Gynecological Clinic in Wroclaw and of the Institute of Medical Microbiology.

FRANKOWSKA-STOCHOWA, K.; KELUS, A.; OSINSKA, M.

Paternity determination on the basis of blood groups. Polski tygod. lek. 6 nos.25-26:814-817 25 June 1951. (CIML 21:1)

1. Of the Institute of Medical Microbiology (Head -- Prof. L. Hirszfeld, M.D.), of Wroclaw Medical Academy.