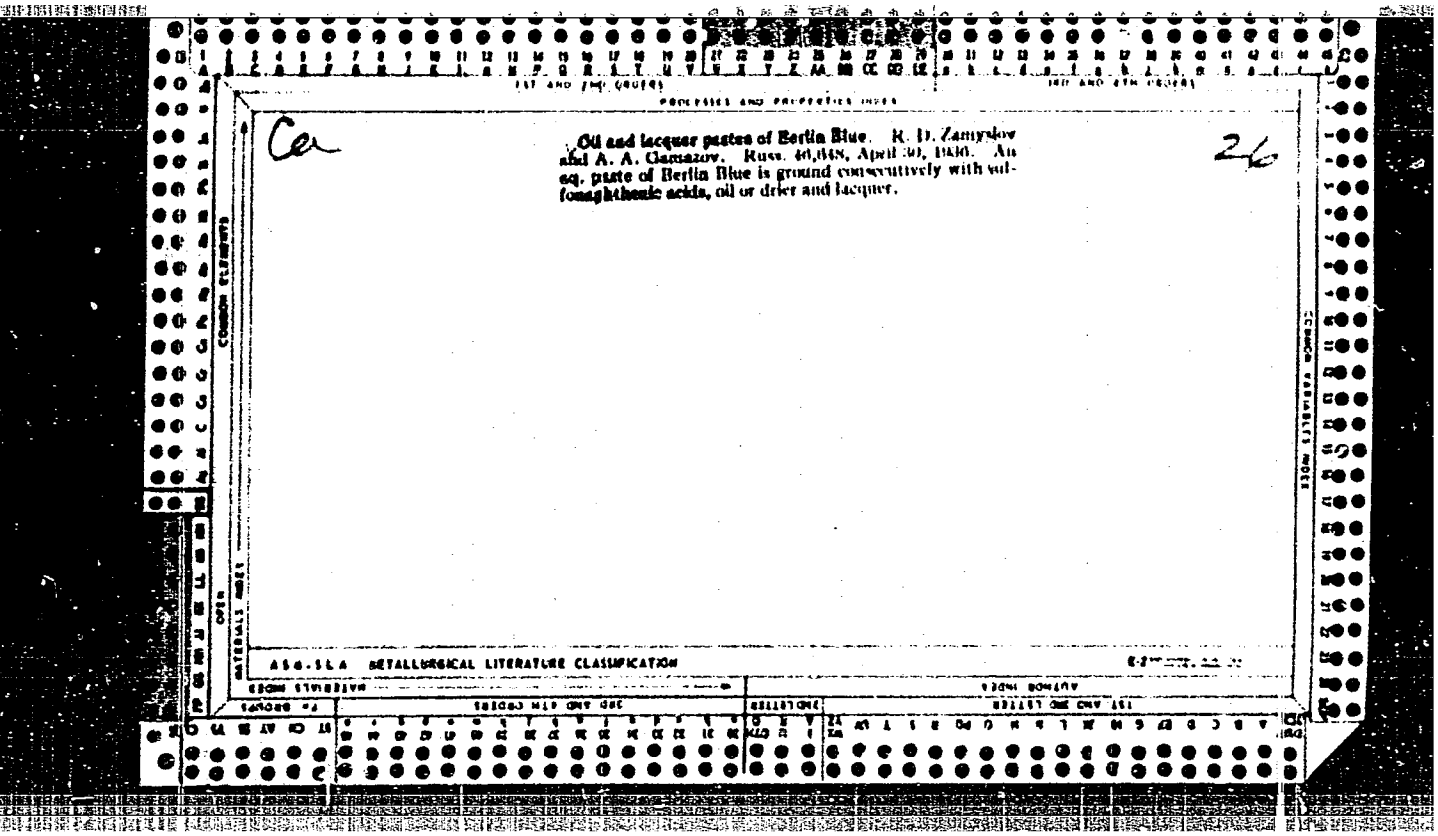
ZAMYSLOV, K.N.; IGNAT'YEVA, I.F.

Treatment of cardiac and coronary insufficiency in hypertension. (MIRA 8:8)
Trudy AMN SSSR 25:43-56 '53.
(HYPERTENSION)
(CARDIOVASCULAR SYSTEM--DISEASES)

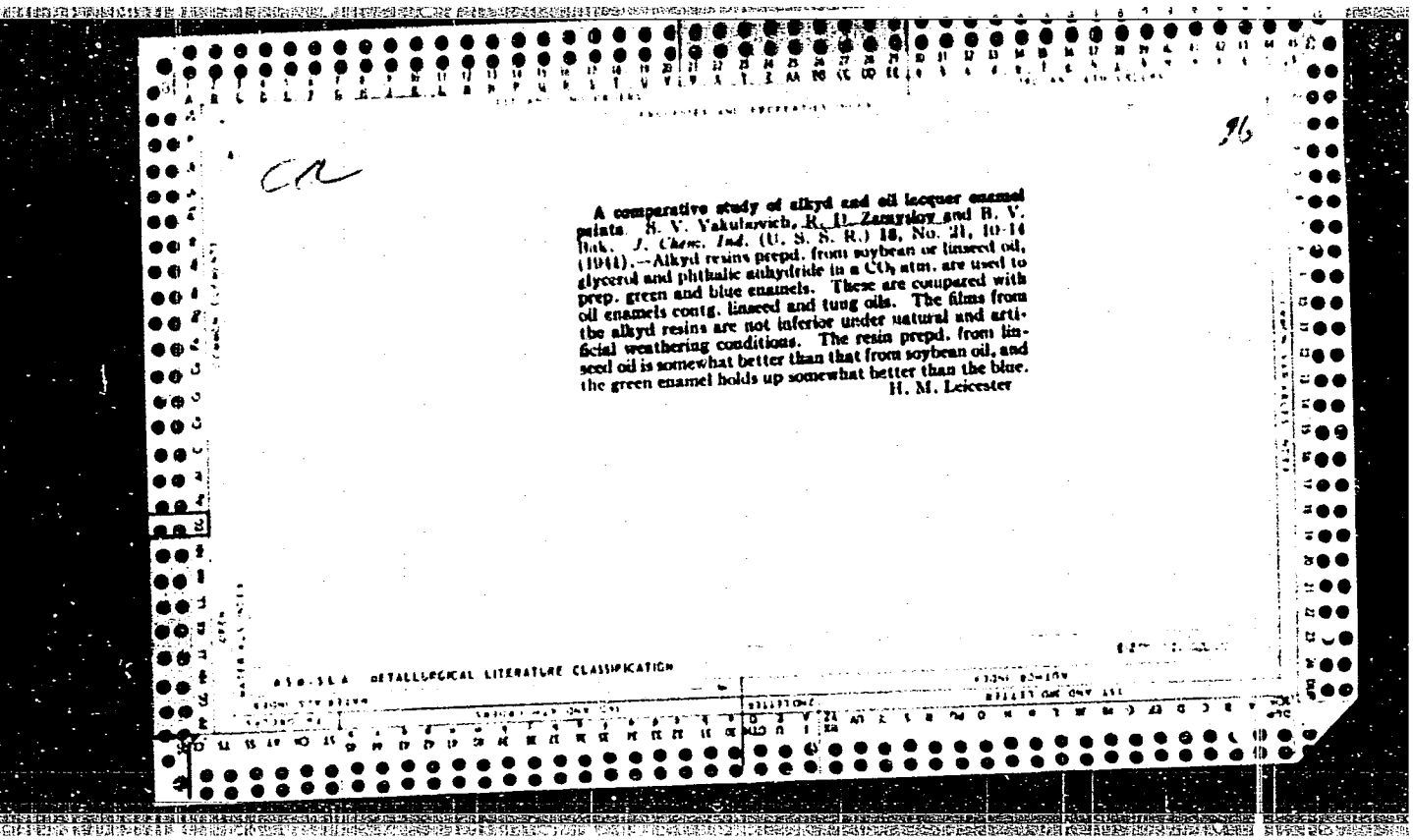


Ce

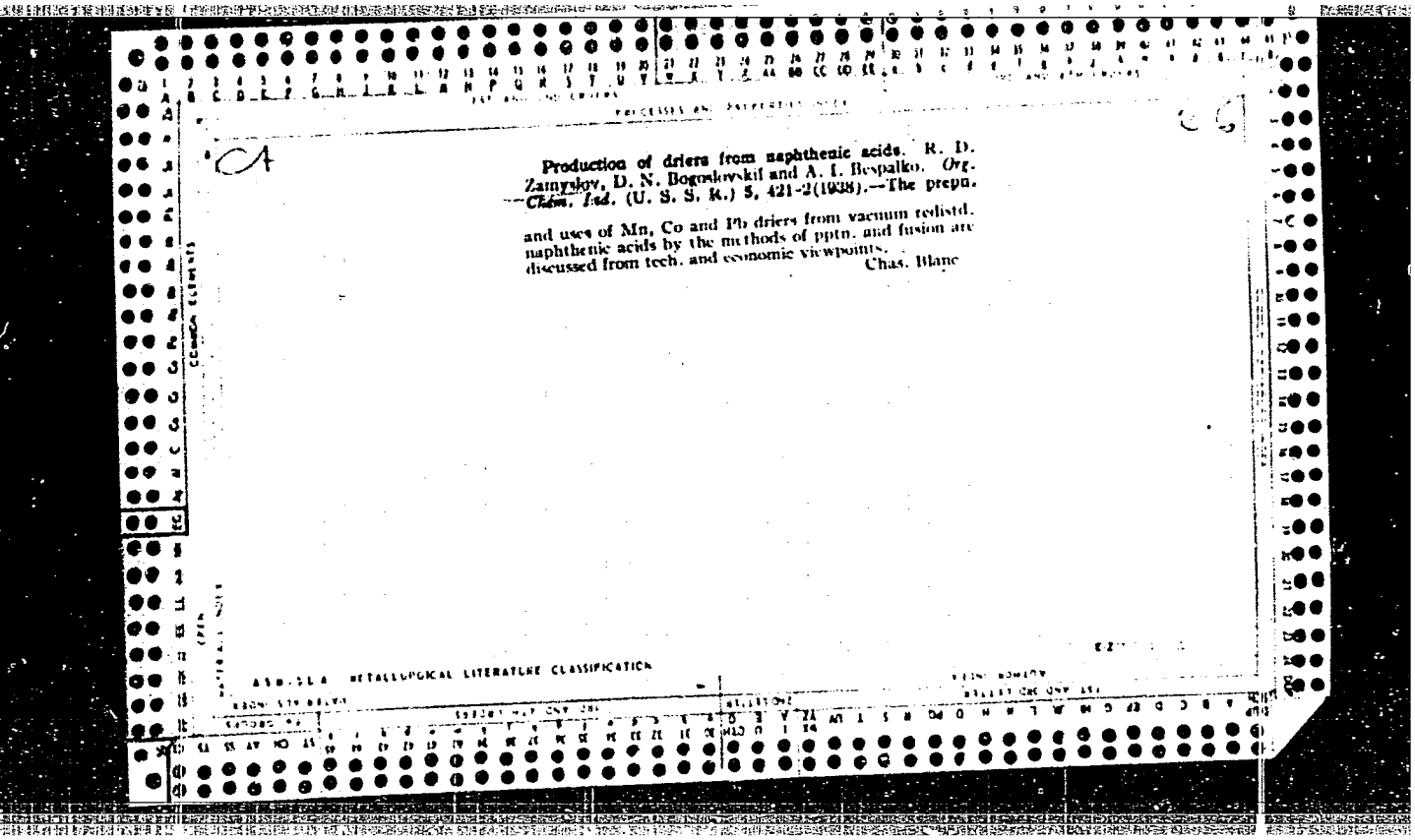
Oil and lacquer pastes of Berlin Blue. K. D. Zamyslov and A. A. Gamazov. Russ. 60,648, April 30, 1940. An aq. paste of Berlin Blue is ground consecutively with sulfonaphthenic acids, oil or drier and lacquer.

2L

A56-51A METALLURGICAL LITERATURE CLASSIFICATION



A comparative study of alkyd and oil lacquer enamel paints. S. V. Yakulavich, R. D. Zamyslov and B. V. Bak. *J. Chem. Ind.* (U. S. S. R.) 18, No. 21, 10-14 (1941).—Alkyd resins prepd. from soybean or linseed oil, glycerol and phthalic anhydride in a CO_2 atm. are used to prep. green and blue enamels. These are compared with oil enamels contg. linseed and tung oils. The films from the alkyd resins are not inferior under natural and artificial weathering conditions. The resin prepd. from linseed oil is somewhat better than that from soybean oil, and the green enamel holds up somewhat better than the blue.
H. M. Leicester



Production of driers from naphthenic acids. R. D. Zamyslov, D. N. Bogoslovskii and A. I. Bespalko. *Org. Chem. Ind.* (U. S. S. R.) 5, 421-2(1938).—The prepn. and uses of Mn, Co and Pb driers from vacuum redistd. naphthenic acids by the methods of pptn. and fusion are discussed from tech. and economic viewpoints.

Chas. Blanc

Production of driers from naphthenic acids. K. D. Zamyslov, D. N. Bogoslovskii and A. I. Beavilka. *Org. Chem. Ind.* (U. S. S. R.) 5, 121-2(1938). - The prepn. and uses of Mn, Co and Pb driers from vacuum redistd. naphthenic acids by the methods of pptn. and fusion are discussed from tech. and economic viewpoints.

Chas. Blanc

ZAMYSLOV, R. D.

Production of driers from naphthenic acids. R. D. Zamyslov, D. N. Bogoslovskii and A. L. Kovalko. *Org. Chem. Ind.* (U. S. S. R.) 5, 121-2(1938). The prepn. and uses of Mn, Co and Pb driers from vacuum redistd. naphthenic acids by the methods of pptn. and fusion are discussed from tech. and economic viewpoints.

Chas. Blanc

ACCESSION NR: AP4030382 S/0063/64/009/002/0236/0238

AUTHOR: Rayevskiy, V. G.; Gul', V.G.; Zamy*slov, V. B.; Voyutskiy, S. S.

TITLE: Diffusion phenomena in polymer mixtures

SOURCE: Vsesoyuznoye khimicheskoye obshchestvo. Zhurnal. v. 9, no. 2, 1964, 236-238

TOPIC TAGS: polymer, diffusion, polyethylene polybutadiene mixture, microscopic analysis, mechanical property, filler, dispersiveness, incompatible polymer, polymer homogenization

ABSTRACT: The role of diffusion phenomena in mixed polymers was investigated and confirmed. Microscopic examination of films made of mixtures of low-pressure polyethylene and SKB-30 polybutadiene (15:85 parts by weight) revealed a gradual homogenization of the polyethylene filler particles with the polybutadiene, wherein the originally easily visible discrete particles appeared to dissolve in the matrix to form a fine granular structure which did not change toward the end of the 80-day test period. Mechanical properties of mixtures of polyethylene-

Card 1/2

ACCESSION NR: AP4030382

polybutadiene (30:70) were examined. The tensile strength increased to a maximum in 18—35 days, then decreased and leveled off after 80 days. This increase is explained by increased adhesion of the elastomer to the polyethylene filler; and the decrease, by the increased dispersion of the filler which reduces its strengthening properties. Elongation increased with increased homogenization of the system. Thus, in mixed systems the diffusion process leads to partial homogenization. In mixtures of incompatible polymers, diffusion would have the opposite effect, promoting separation and transition from a microheterogeneous to a macroheterogeneous system. Orig. art. has: 2 figures.

ASSOCIATION: Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promy* shlennosti (Moscow Technological Institute for the Meat and Milk Industry)

SUBMITTED: 26Oct63 ATD PRESS: 3051 ENCL: 00

SUB CODE: OC NO REF SOV: 008 OTHER: 001

Card 2/2

DRACHEV; ZAMYSLOVA

Portable Lab. Kit for Sanitary Analysis of Water under Field Conditions

Higiena i Sanitariya, 1950, 7, 45-48

ZAMYSLOVA, M. N.

"Clinical Forms of Hypertonia," Sov. Med., No. 2, 1949.

Mbr., Chair Hospital Therapy, Gor'kiy Med. Inst., -c1949-.

ZAMYSLOVA, K.N.

Effect of certain drugs on formation of vascular conditioned reactions in hypertension. Zh. vysshei nerv. deiat. 2 no.5:699-708 Sept-Oct 1952. (CIML 23:4)

1. Institute of Therapy of the Academy of Medical Sciences USSR.

BABSKIY, Ye.B.; MYASNIKOV, A.L.; GURFINKEL', V.S.; ZAMYSLOVA, K.N.; RCHEL', Ye.L.

First results of clinical application of cardiohemodynamography.
Ter. arkh., Moskva 24 no.1:68-76 Jan-Feb 52. (CIML 21:4)

1. Of the Institute of Therapy (Director--Prof. A.L. Myasnikov, Active Member AMS USSR) of the Academy of Medical Sciences USSR and of the Physiological Laboratory (Head--Prof. Ye.B. Babskiy, Active Member of the Academy of Sciences Ukrainian SSR), Central Scientific-Research Institute for Prostheses.

DOROFEYEVA, Z.Z., kandidat meditsinskikh nauk; ZAMYSLOVA, K.N., kandidat meditsinskikh nauk.

Role of the neurogenic factor in the pathology of hypertension. Vop. pat. serd. sos. sist. 2 no.6:3-10 '53. (MLRA 6:11)
(Nervous system) (Hypertension)

ZAMYSLOVA, K.N.; DOROFEYEVA, Z.Z.

Critical review of foreign theories on the pathogenesis of hypertension. Vest.AMN SSSR no.4:39-52 '53. (MLRA 7:1)

1. Iz Instituta terapii Akademii meditsinskikh nauk SSSR (direktor - deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR A.L.Myasnikov).
(Hypertension)

ZAMYSLOVA, K.N.; RATNER, N.A.

Review of A.I. Gruzin's book "Hypertension." Terap.arkh. 25 no.2:77-80 Mr-Ap '53. (MLRA 6:5)

(Hypertension) (Gruzin, A.I.)

ZAMYSLOVA, K.N.; BELYAYEVA, N.K.

Combination of hypertension and atherosclerosis. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:101-105 '63.
(MIRA 17:7)

1. Institut terapii AMN SSSR, Moskva.

VAL'DMAN, V.A., zasl. deyatel' nauki RSFSR, prof.; ZAMYSLOVA, K.N., prof.; IL'INSKIY, B.V., prof.; KURSHAKOV, N.A.; LUKOMSKIY, P.Ye., prof.; MYASNIKOV, A.L., prof.; MOLCHANOV, N.S., prof.; RAYEVSKAYA, G.A., prof.; TEODORI, M.I., kand. med. nauk; CHERNOGOROV, I.A., prof.; TAREYEV, Ye.M., prof., otv. red.; OSTROVERKHOV, G.Ye., prof., glav. red.; SHAPIRO, Ya.Ye., prof., red. toma; LYUDKOVSKAYA, N.I., tekhn. red.

[Multivolume manual on internal diseases] Mnogotomnoe rukovodstvo po vnutrennim bolezniam. Otv. red. E.M.Tareev. Moskva, Izd-vo "Meditsina." Vol.2. [Diseases of the cardiovascular system] Bolezni serdechno-sosudistoi sistemy. Red. toma A.L. Miasnikov. 1964. 614 p. (MIRA 17:3)

1. Deystvitel'nyy chlen AMN SSSR (for Tareyev, Myasnikov, Lukomskiy, Molchanov). 2. Chlen-korrespondent AMN SSSR (for Kurshakov).

ZAMYSLOVA, K.N.; MASLOVA, K.K. (Moskva)

Vascular hyperreactivity in hypertension. Vrach. delo no.6:29-32 Je '63. (MIRA 16:9)

1. Institut terapii AMN SSSR.
(HYPERTENSION)

VOLYNSKIY, Z.M., prof.; GILYAREVSKIY, S.A., prof.; GEFTER, A.I., prof.; DEMIN, A.A., prof.; ZELENIN, V.F., prof.; ISTAMANOVA, T.S., prof.; KEDROV, A.A., prof.; MESHALKIN, Ye.N., prof.; KEDROV, A.A., prof.; MESHALKIN, Ye.N., prof.; SAVITSKIY, N.N., prof.; FOGEL'SON, L.I., prof.; KHVILIVITSKAYA, M.I., prof.; LUKOMSKIY, P.Ye., prof., red. toma; MYASNIKOV, A.L., prof., otv. red.; TAREYEV, Ye.M., prof., zam. otv. red.; BAGDASAROV, A.A., prof.[deceased], red.; BARANOV, V.G., prof., red.; VOVSI, M.S., prof., red.[deceased]; IVANOV, V.N., prof., red.[deceased]; KURSHAKOV, N.A., prof., red.; MOLCHANOV, N.S., prof., red.; NESTEROV, A.N., prof., red.; SPERANSKIY, I.I., prof., red. [deceased]; ZAMYSLOVA, K.N., prof., red.; PERCHIKOVA, G.Ye., kand. med. nauk, red.; ERINA, Ye.V., kand. med. nauk, red.; LYUDKOVSKAYA, Yu.S., tekhn. red.; BEL'CHIKOVA, Yu.S., tekhn.red.

[Multivolume manual on internal diseases]Mnogotomnoe rukovodstvo po vnutrennim boleznlam. Otv. red. A.L.Miasnikov. Moskva, Medgiz. Vol.1. [Diseases of the cardiovascular system]Bolezni serdechno-sosudistoi sistemy. Red. toma: P.E.Lukomskii i N.N. Savitskii. 1962. 686 p. (MIRA 15:12)

(Continued on next card)

ZAMYSLOVA, K.N., prof.

Recent achievements in the treatment of hypertension. Kardiologiia 2 no.4:86-88 Jl-Ag '62. (MIRA 15:9)

(HYPERTENSION)

ZAMYSLOVA, K.N.

Treatment of hypertensive crises. Klin.med. 38 no.6:150-153 Je '60. (MIRA 13:12)

(HYPERTENSION)

CHAZOV, Ye.I.; ANDREYENKO, G.V.; SPEKTOROVA, Z.G.; RAYEVSKAYA, V.V.; MOISEYEV, S.G.; BABSKIY, Ye.B.; BREDIKIS, Yu.I.; KUSHKIY, R.O.; KALITEYEVSKAYA, V.F.; BEREZOV, Ye.; POKROVSKIY, A.V.; MEL'NIK, I.Z.; AGRANENKO, V.A.; VINOGRADOVA, I.L.; SKACHILOVA, N.N.; VIKHERT, A.M.; ZAMYSLOVA, K.N., prof.; SOKOLOVSKIY, V.P., prof.; BEYUL, Ye.A., kand.med.nauk; SOLOV'YEV, V.V.

Minutes of the meetings of the Moscow Society of Therapeutists. Terap.arkh. 35 no.1:112-118 Ja'63. (MIRA 16:9)
(THERAPEUTICS--ABSTRACTS)

ZAMYSLOVA, K.N., prof.; YURAZH, V.Ya. (Moskva)

Clinical observations on the effect of reserpine on coronary circulation in patients with hypertension. Klin.med. 38 no.9:90-95 S '60. (MIRA 13:11)

1. Iz Instituta terapii AMN SSSR (dir. - deystvitel'nyy chlen AMN SSSR prof. A.L. Myasnikov).
(CORONARY VESSELS) (RESERPINE)

ZAMYSLOVA, K.N.

Comparative investigation of the higher nervous activity of hypertension patients by the clinical and the oral-motor methods. Gig.bol. no.5:3-18 '58. (MIRA 13:5)
(NERVOUS SYSTEM) (HYPERTENSION)

ZAMYSLOVA, K.N.; IL'INA, L.I.

Comparison of the results of an investigation of the higher nervous activity of patients with hypertension and coronary insufficiency as shown by data from clinical, electroencephalographic, and oral-motor methods. Gig.bol. no.5:19-30 '58. (MIRA 13:5)
(NERVOUS SYSTEM) (HYPERTENSION)
(CORONARY VESSELS--DISEASES)

USSR /Human and Animal Physiology - The Nervous System. T

Abs Jour : Ref Zhur Biol., No 3, 1959, 13268

Author : Zamyslova, K.N., Il'ina, L.I.

Inst : Institute of Therapy, Academy of Medical Sciences USSR

Title : Comparative Results of Investigation of Higher Nervous Activity According to Data of Clinical, Electroencephalographic, and Speech-Motor Methods in Patients with Hypertension and Coronary Insufficiency

Orig Pub : Tr. In-ta terapii Akad. med. nauk SSSR, 1958, vyp. 5, 19-30

Abstract : The characteristics, based on data of clinical interrogation, investigation of the EEG, and motor reactions to speech support, correlated in a majority of cases. Dissimilarities were noted in the dissociation

Card 1/2

ZAMYSLOVA, K.N., (Moskva)

Combined treatment of hypertensives with reserpine and ganglion-blocking agents. Klin.med. 36 no.8:49-54 Ag '58 (MIRA 11:9)

1. Iz Instituta terapii AMN SSSR (dir. prof. deystvitel'nyy chlen AMN SSSR prof. A.L. Myasnikov).
(HYPERTENSION, ther.
reserpine & ganglion blocking agents (Rus))
(RESERPINE, ther. use
hypertension, with ganglion blocking agents (Rus))
(AUTONOMIC DRUGS, ther. use
ganglion blockin agents in hypertentions, with reserpine (Rus))

ZAMYSLOVA, K.N., prof.

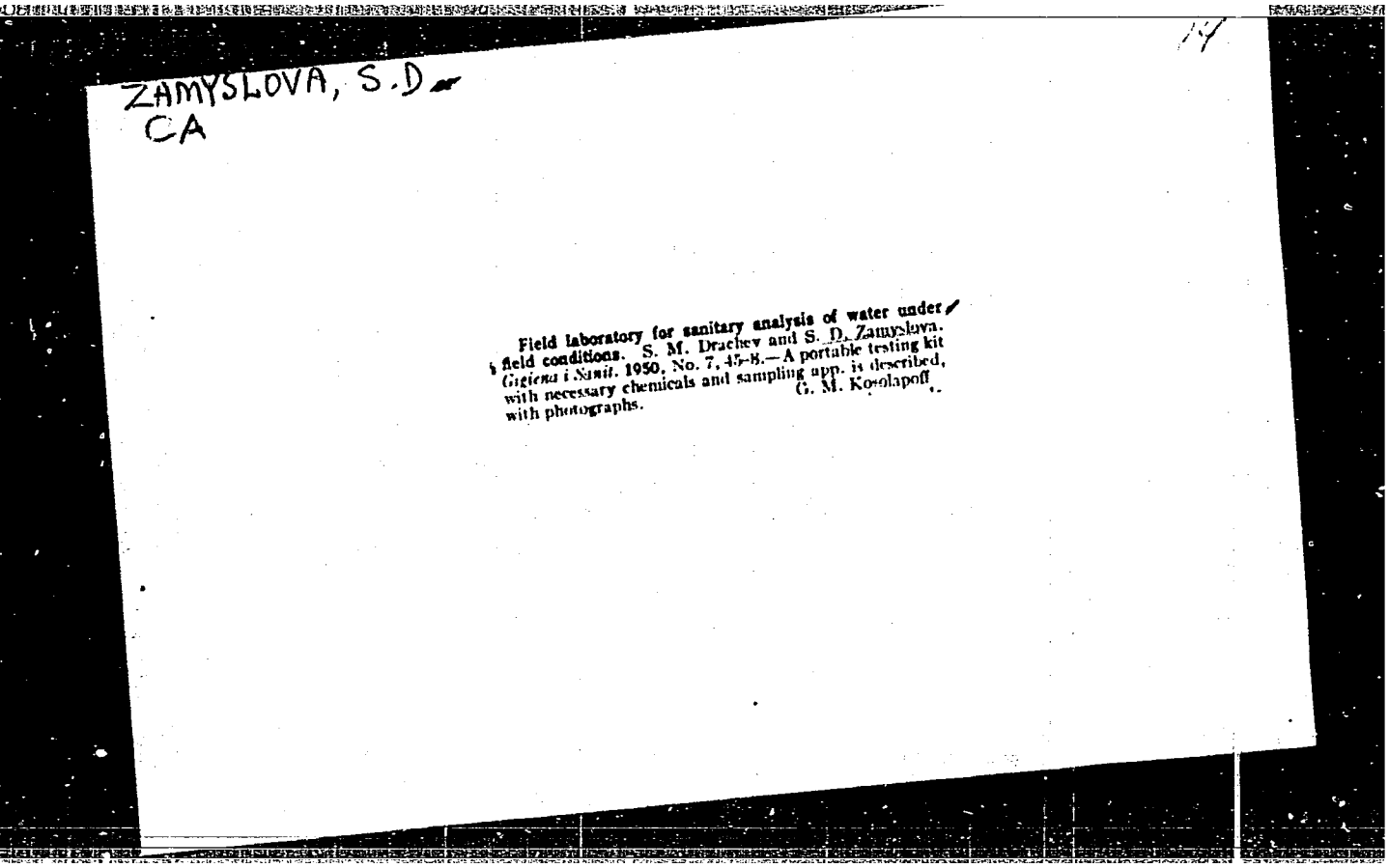
Georgii Fedorovich Lang; on the 10th anniversary of his death. (MIRA 11:7)
Terap. arkh. 30 no.6:3-10 Je '58

1. Iz Instituta terapii AMN SSSR, Moskva.
(LANG, GEORGII FEDOROVICH, 1875-1948)

ZAMYSLOVA, K.N., prof.

Georgii Fedorovich Lang; on the 10th anniversary of his death. (MIRA 11:7)
Terap. arkh. 30 no.6:3-10 Je '58

1. Iz Instituta terapii AMN SSSR, Moskva.
(LANG, GEORGII FEDOROVICH, 1875-1948)



ZAMYSLOVA, S.D.
CA

14

Field laboratory for sanitary analysis of water under field conditions. S. M. Drachev and S. D. Zamyslova. *Gigiena i Sanit.* 1950, No. 7, 45-8.—A portable testing kit with necessary chemicals and sampling app. is described, with photographs. G. M. Kosolapoff

AKSYUK, A.F.; ZAMYSLOVA, S.D.

Sanitary characteristics of sewage from the production of synthetic fatty acids and sanitary requirements for discharge into open waters. Uch. zap. Mosk.nauch.-issl. inst. san. i gig. no.9:67-72 '61. (MIRA 16:11)

*

SMIRNOVA, R.D.; ZAMYSLOVA, S.D.; ZARUBIN, G.P.

Sanitary conditions for discharging sewage from phenol and acetone production into open waters. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no.9:30-33 '61 (MIRA 16:11)

BLIOKH, S.S., kand.med.nauk; ZAMYSLOVA, S.D., kand.biolog.nauk

Peculiarities of the effects of effluents of ore-concentration plants on plain and mountain rivers. Gig. i san. 24 no.6:67-69 Je '59. (MIRA 12:8)

1. Iz Moskovskogo nauchno-issledovatel'skogo instituta sanitarii i gigiyeny imeni F.F.Erismana Ministerstva zdravookhraneniya RSFSR.

(WATER POLLUTION
by effluents of ore-processing plants, eff. on cond. of flat & mountainous rivers (Rus))

ZAMYSLOVA, S. D.

Dissertation: "Experimental Investigation of Sanitary Drainage Conditions of Liquid Wastes From the Petroleum-Processing Industry." Cand Biol Sci, Central Inst for the Advanced Training of Physicians, Moscow, 1953. (Referativnyy Zhurnal--Khimiya, Moscow, No 5, Mar 54)

SO: SUM 243, 19 Oct 1954

ZAMYSLOVA, Zinaida Alekseyevna; YEGOROV, Yu., red.; TROYANOVSKAYA, N., tekhn. red.

[International labor movement during the intensification of revolutionary activity, 1918-1923] Mezhdunarodnoe rabochee dvizhenie v period revoliutsionnogo pod"ema 1918-1923 godov. Moskva, Gospolitizdat, 1962. 60 p. (MIRA 15:8)
(History, Modern) (Labor and laboring classes)

ZAMYSLOVSKII, E.E.

ZAMYSLOVSKII, E.E. Ob"iasneniia k uchebnomu atlasu po russkoi istorii ... viii, 255 p., ii p.

DLC: Maps Div.

SC: LC, Soviet Geography, Part I, 1951, Uncl.

ZAMYSLOVSKII, E.E.

ZAMYSLOVSKII, E.E. Uchebyi atlas po russkoi istorii, sostavlen i izdan pod red. prof. E. Zamyslovskago, Izd. 3. ... S.-Peterburg, Kartograficheskoe zaved. A. Il'ina, 1887. 2 p. l., 16 maps, 6 reproductions of plans.

SO: LC, Soviet Geography, Part I, 1951, Uncl.

L 38590-66 EWP(v)/EWP(t)/ETI/EWP(k)/EWP(h)/EWP(l) IJP(c) JD/HW

ACC NR: AP6027701 SOURCE CODE: CZ/0034/66/000/001/0023/0029

AUTHOR: Zamyslovsky, Zdenek (Engineer); Crha, Vladislav (Engineer) 47 B

ORG: College of Mining, Ostrava (Vysoka skola banska) 44

TITLE: Evaluation of methods for the calculation of rolling pressures based on the theory of plasticity in the blooming mill rolling process

SOURCE: Hutnicke listy, no. 1, 1966, 23-29

TOPIC TAGS: rolling mill, plasticity, pressure measurement, metal rolling

ABSTRACT: Both experimental and theoretical methods for the determination of the mean pressure of the rolls are discussed. Methods of Celikov, Sims, Orowan, Ekelund, and Geleji are evaluated. New formulas of Dinnik and Lugovsky are analyzed. Computed pressure values are compared to the values obtained by experimental measurements on a blooming mill. Although Lugovsky's equation needs some adjusting it is the best one available at present. Orig. art. has: 8 figures, 3 formulas and 5 tables. [Based on authors' Eng. abst.] [JPRS: 34,519]

SUB CODE: 13, 20 / SUBM DATE: none / ORIG REF: 002 / SOV REF: 016

Card 1/1 UDC: 621.944.3-412

L 34157-66 EWP(t)/ETI/EWP(k) IJP(c) JD/HW

ACC NR: AP6026037 SOURCE CODE: CZ/0034/66/000/003/0176/0178

AUTHOR: Zamyslovsky, Zdenek (Engineer) 38 B

ORG: Department of Shaping of Metals, College of Mining, Ostrava (VSB - Katedra tvareni kovu)

TITLE: Determination of stresses in the zone of volume deformation in rolling of ingots on a blooming mill 18

SOURCE: Hutnicke listy, no. 3, 1966, 176-178

TOPIC TAGS: metal stress, metal deformation, cold rolling, stress analysis

ABSTRACT: Aluminum samples with artificially formed cavities were cold-rolled under laboratory conditions at various values of the geometrical factor of the deformation zone l/h_0. In the neighborhood of the artificially formed defects the uniformity of deformation and of stresses was investigated. The results obtained in the laboratory were verified on a large scale on a blooming mill. When the ratio l/h is 0.7 - 0.8 the deformation on a blooming mill during rolling is more uniform than under other circumstances. The optimum conditions for the rolling operation are described. Orig. art. has: 3 figures and 1 table. [Based on author's Eng. abst.] [JPRS: 36,646]

SUB CODE: 20, 13 / SUBM DATE: none / SOV REF: 001

Card 1/1 UDC: 621.944.3-412

0916 1063

L 20816-66 EWP(t)/EWP(k) JD/HW

ACC NR: AP6012019 SOURCE CODE: CZ/0057/65/000/004/0176/0181

AUTHOR: Zamyslovsky, Zdenek (Engineer)

ORG: College of Mining, Ostrava (Vysoka skola banska)

TITLE: Rolling in spreading grooves

SOURCE: Hutnik, no. 4, 1965, 176-181

TOPIC TAGS: metal rolling, fabricated structural metal

ABSTRACT: Basic principles of rolling in spreading grooves are described. The shapes of grooves that may be used are described, their construction is discussed, and the basis for calculations used in their application is given. The principles that determine the shape are evaluated. Calculations of problems when two shapes of the grooves are combined are discussed. Grooves suitable for billet trains are described. Problems encountered in billet benches are discussed. Grooves used for rolling of small diameter bars, and wire are described; the importance of selecting a suitable groove depends also on the degree of mechanization of the plant. Orig. art. has: 16 figures. [JPRS]

SUB CODE: 13 / SUBM DATE: none / ORIG REF: 002 / SOV REF: 002

Card 1/1

ACC NR: AP6026068 SOURCE CODE: CZ/0034/65/000/012/0860/0865

AUTHOR: Zamyslovsky, Zdenek (Engineer)

ORG: Department of Metal Formation, College of Metallurgy, Ostrava (Vysoka skola banska, katedra tvareni kovu)

TITLE: Non-uniform deformation of ingots rolled on blooming mills B

SOURCE: Hutnicke listy, no. 12, 1965, 860-865

TOPIC TAGS: rolling mill, metal deformation

ABSTRACT: Non-uniform deformation along the height of the cross section dimension is discussed. Laboratory experiments were conducted maintaining similarity to actual blooming mill operation. Cold worked Al samples, and hot worked steel samples were used. The deformation was a function of the ratio of the width of the cross section to its height. Conditions under which concave irregular shape changed to convex shape were investigated. The appearance of surface cracks increases with the increase in the width of the cross section. Orig. art. has: 9 figures and 8 tables. [Based on author's Eng. abst.] [JPRS: 34,272]

SUB CODE: 13, 20 / SUBM DATE: none / SOV REF: 009 / OTH REF: 003

Card 1/1 UDC: 539.38 669-122

ZAMZRIN, Ye. A., Acad.

Dams

"Effect of rolling of earthen dams on filtration through them." Dokl. Ak. sel'khoz. 17 No. 6, 1952.

Monthly List of Russian Accessions, Library of Congress, October, 1952. UNCLASSIFIED.

ZAN, A. M.

"Sur la cinetique et le mecanisme des reaction d'oxydation-reduction simultanee. Comm. II." Zan, A. M. et Stephanowskij, W. F. (p. 2385)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii). 1937, Volume 7, No. 18.

ZAN, S.

SCIENCE

PERIODICAL: WIADOMOSCI BOTANICZNE, Vol. 1, No. 3, 1957

ZAN. S. The propagation of the Japanese pagoda tree (Sophora japonica L.) by seeds. p. 138

Vol. 2, no. 4, 1958

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 4
April 1959, Unclass

ZAH, V.

Broaching and production of broaches. p. 495. STROJIRENSKA VYRO A. (Ministerstvo strojirenstvi) Praha. Vol. 3, no. 12, Dec. 1955.

SOURCE: East European Accessions List, Vol. 5, no. 9, September 1956

ZAN, Z., inz., kandidat technickych ved

Present state of the electrostatic generator engineering and the use of the generators in nuclear engineering. El tech obzor 52 no.7:386-388 Jl '63.

Zan, Z.

Problems of long-distance power transmission by cables. Tr. from the German. p. 130 ENERGETIKA. (Ministerstvo paliv a energetiky. Hlavni sprava elektraren) Praha. Vol. 6, no. 3, Mar. 1956.

Source: EEAL LC Vol. 5, No. 10 Oct. 1956

ZAN, Z.

Rotating electrostatic generators with insulating conveyor and oblique field. p. 580.

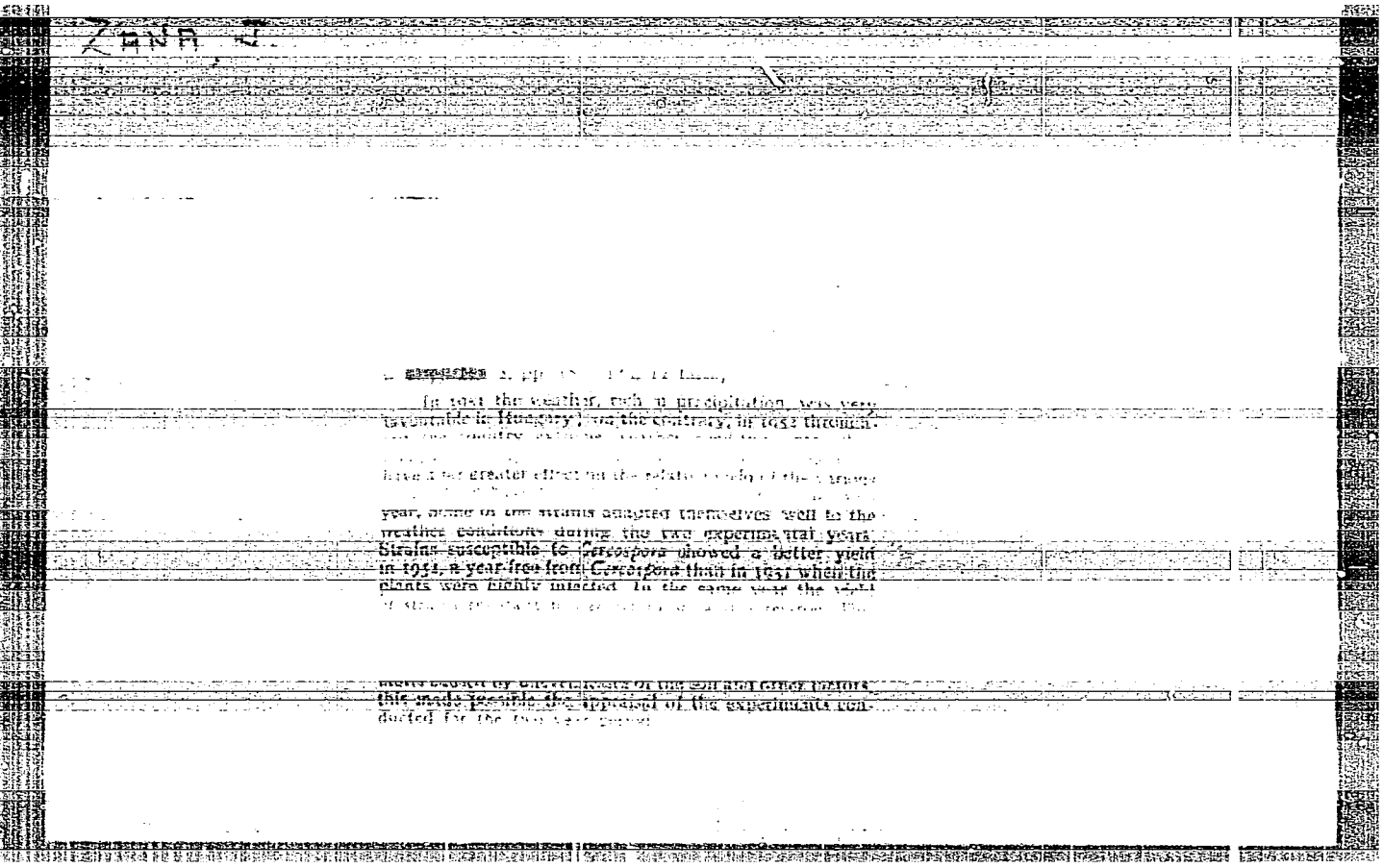
ELEKTROTECHNICKY OBZOR. (Minsterstvo tezkeho strojirenstvi a Ceskoslovenske vedecka technicka spolecnost pro elek trotechniku pri Ceskoslovenske akademii ved) Praha, Czechoslovakia. Vol. 48, no. 11, Nov. 1959.

Monthly list of East European Accessions (EEAI) LC, vol. 9, no. 1, Jan. 1960.

Uncl.

ZAN, Zdenek, inz. CSc.

Thermionic nuclear reactor. El tech obzor 53 no.10:570-572 O '64.



ZANA, Janos

Protecting experiments against Cercospora by "Brestan", a new protecting agent. Cukor 12 no.7:195-199 Jl '59.

1. Tudomanyos munkatars, Cukoripari Kutato Intezet.

ZANA, Janos

Experiments for investigating the thinning out time and method in connection with one-seeded and many-seeded species. Cukor 17 no.3:85-96 Mr '64.

1. Research Institute of the Sugar Industry, Budapest.

ZANA, Janos

Experiments for Cercospora control in 1960. Cukor 14 no.9:271-274 S '61.

1. Cukoripari Kutatointezet.

ZANA, Janos

Analysis of the properties of domestic and foreign sugar beet varieties in 1960. Cukor 14 no.12:327-335 D '61.

1. Cukoripari Kutatointezet.

ZANA, Janos

What should we know about the fertilization of sugar beets?
Cukor 16 no.8:220-224 Ag '63.

1. Cukoripari Kutatointezet.

ZANA, Janos

The 1958 comparative experiments with varieties and the result of the 1951-58 series of experiments. Cukor 12 no.8:227-4 of cover Ag '59.

1. Tudomanyos munkatars, Cukoripari Kutato Intezet.

JERMY, Sandor; ZANA, Janos

German terminology of sugar beet growing. Cukor 16 no.4:106-113 Ap '63.

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ZANA, Janos

Examination of the properties of certain sugar beet varieties grown in different types of soil in 1962. Cukor 17 no. 1: 23-31 Ja '64.

1. Cukoripari Kutatointezet.

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Examination of the properties of beet varieties in 1960. Cukor 14 no. 6:175-3 of the cover Je '61.

1. Cukoripari Kutatointezet.

ZANA, Janos

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Results of comparative experiments in sugar beet species in 1956 and some conclusions drawn from the results of a series of experiments carried out in 1951-1956. Cukor 11 no.2:39-46 F'58.

1. Cukoripari Kutatointezet.

ZANA, Janos

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1. Research Institute of the Hungarian Sugar Industry, Budapest.

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Comparing the biological value of sugar beet seeds propagated by cuttings. Cukor 18 no.3:85-88 Mr '65.

1. Hungarian Sugar Industry Research Institute, Budapest.

ZANA, Janos

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1. Hungarian Sugar Industry Research Institute.

ZANA, Janos, tudomanyos munkatars.

Results of the 1957 comparative tests on sugar beet varieties as well as of the series of experiments performed in 1951-1957.
Cukor 11 no.8:214-220 Ag '58

1. Cukoripari Kutatointezet.

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Comparative experiments with domestic and foreign sugar beet varieties in 1959. Cukor 13 no.7:209-4 of cover Jl '60.

1. Cukoripari Kutatointezet.

ZANA, Janos

Development of sugar beets in 1960-61. Cukor 15 no.8: 249-3 of cover Ag '62.

1. Cukoripari Kutatointezet.

ZANA, J.

Hungarian Technical Abst.
Vol. 6 No. 1
1954

633.63 : 631.551.47

59. **The influence of drilling time on the sugar beet crop** — *A vetési idő befolyása a cukorrépa termésátlagára* — V. Zana. (The Sugar Industry — *Cukoripar* — Vol. 6, (1953), No. 3, pp. 63—64. 2 tabl.)

It has been proved by comparative tests and evaluated by the variation analysis method that sugar beets drilled late in the season showed a marked decrease in root and consequently in sugar yield. Three drilling periods were taken as a basis for the experiments; drilling up to March 31st, between April 1—10th and after April 10th. Naturally weather conditions had to be considered in the evaluation; possibilities existed for early drilling in 1951, the year of the experiments. *A. F.*

HUNGARY/Cultivated Plants - Technical, Oleaginous, H-7
Saccariferous.

Abs Jour : Ref Zhur - Biol., No 9, 1958, 39453

Author : Mana, J.
Inst : -
Title : A Comparative Study of Local and Foreign Sugar Beet Varieties.

Orig Pub : Cukoripar, 1957, 10, No 7-8, 131-139.

Abstract : No abstract.

Card 1/1

M-5

HUNGARY / Cultivated Plants. Technical.

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 6385

Author : Vukov, Konstantin; Zana, Janos
Inst : Not given
Title : The Effect of the Donsity of Sowings on the Quality and Yield of Sugar Beets

Orig Pub : Cukoripar, 1958, 11, No 1, 16-20

Abstract : The yield decreases and quality of sugar beets deteriorate (decrease in saccharinity and an increase in the ash content of the juice) when the density of plants is: 87 - 91 thous. on 1 ha.

Card 1/1

ZANA J.

HUNGARY / Cultivated Plants. Commercial. Oil-Bearing. M-5
Sugar-Bearing.

Abs Jour: Ref Zhur-Biol., No 6, 1958, 25174

Author : Vukov, K., Zana, J.
Inst : Not given
Title : Experiments on the Application of Mineral Fertilizers to Sugar Beets

Orig Pub: Magyar Mezogazd., 1957, 12, No 8, 5 (Hung.)

Abstract: No abstract.

Card 1/1

ZANA, Janos

Field experiments with various sugar beet species in 1959. Cukor 13 no.11:310-316 N '60.

ZANA, Janos

Examination of certain beet varieties on various foster soils in 1961. Cukor 15 no.11:318-4 of cover N '62.

1. Cukoripari Kutatointezet.

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HUNGARY / Cultivated Plants. Experimental Methodology ... M

Abs Jour : Ref Zhur - Biol., No 8, 1958, No 34586

Author : Zana, Janos
Inst : Not given
Title : Theoretical and Practical Problems in Connection with Field Testing Methods.

Orig Pub : Cukoripar, 1957, 10, #4-6, 66-68.

Abstract : Discussion of methods for the field testing of sugar beets, selection of soil areas, determination of its size, of the shapes of allocation lots and the method of their assignation.

Card 1/1

Zana, J.

The comparative tests on species in 1958 and the results of the 1951-1958 test series. p.277

CUKORIPAR. (Cukoripar es Mezogazdasagi es Elemiszeripari Tudomanyos Egyesulet.
Budapest, Hungary. Vol. 12, no.8, August 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no.11
November 1959
Uncl.

ZANA, J.; MARTON, A.

Evolution of sugar beets in 1956 and 1957 and estimation of beet evolution. p. 268.

CUKORIPAR. (Mezogazdasagi es Elelmiszeripari Tudomanyos Egyesulet. Cukoripari Szakosztaly) Budapest, Hungary, Vol. 11, No. 10, Oct. 1958.

Monthly list of East European Accessions.(EEAI) LC, Vol. 8, No. 7, July 1959. Uncla.

ZANA, J.

Prophylactic tests against Cercospora with a new fungicide called Brestan. p.195

CUKORIPAR. (Mezogazdasagi es Elelmiszeriapri Tudomanyos Egyesulet, Cukoriapri Szakosztaly) Budapest, Hungary
Vol. 12, no.7, July 1959

Monthly List of East European Accessions (EEAI) LC., Vol. 8, no.12, Dec. 1959
Uncl.

ZANA, Janos

Experiments with various beets on culture soils at Mezohegyes in 1957-58. Cukor 12 no.1:308-312 N '59.

1. Cukoripari Kutatointezet.

ZANA, Janos

Experiment on controlling Cercospora at Mezohegyes, 1959.
Cukor 13 no.3:88-92 Mr '60.

1. Cukoripari Kutatointezet.

ZANA, Janos

Comparative experiments in the 1959 sugar beet varieties and the result of the 1951-59 series of experiments. Cukor 13 no.4:121-128 Ap '60.

1. Cukoripari Kutatointezet.

ZANA, Janos

Examination of sugar beet species in 1961. Cukor 15 no.3:88-93 Mr '62.

1. Cukoripari Kutatointezet.

ZANA, Janos

Analysis of some properties of certain sugar beets species grown on various soils in 1963. Cukor 17 no.10:296-302 O '64.

1. Research Institute of Hungarian Sugar Industry, Budapest.

ZANAA, M.

Country : USSR
Catogory : Diseases of Farm Animals. Diseases Caused by Bacteria and Fungi R
Abs. Jour. : Ref Zhur-Biol, No 23, 1958, No 105820

Author : Gannushkin, M. S.; Bessarabov, B. F.; Butkin,*
Institut. : -
Title : Biomycin in Paratyphoid of Piglets, Brucellosis of Cattle and Infectious Pleuropneumonia of Goats
Orig Pub. : Veterinariya, 1958, No 3, 53-56

Abstract : The therapeutic effectiveness of biomycin (B) was tried in two experiments conducted on 24 and 115 young pigs affected with paratyphoid. All animals treated with B recovered. The use of synthomycin (chloramphenicol), as well as the action of antiparatyphoid serum and that of sulfa preparations, proved less effective than B. Better results were achieved when B was applied

* Ye. I.; Zanaa, M.

Card:

GANNUSHKIN, M.S., prof.; BESSARABOV, B.F., aspirant; BUTKIN, Ye.I., aspirant; ZANAA, M., aspirant

Biomycin in paratyphoid fever of pigs, brucellosis of cattle, and infectious pleuropneumonia of goats [with summary in English]. Veterinariia 35 no.3:53-56 Mr '58. (MIRA 11:3)

1. Moskovskaya veterinarnaya akademiya.
(Aureomycin) (Veterinary medicine)

AUTHOR: Zanadvorov, P.N. 109-3-2-7/26

TITLE: Synchronisation of Oscillators by a Periodic Pulse Train (O sinkhronizatsii avtogeneratorov periodicheskoy posledovatel'nost'yu impul'sov)

PERIODICAL: Radiotekhnika i Elektronika, 1958, Vol.III, No.2, pp. 202 - 213 (USSR).

ABSTRACT: The problem considered may be formulated as follows: an oscillator, which has a natural frequency f_o, is synchronised by a periodic pulse train, in which the pulses are repeated at a frequency F_B and the frequency of the radio component of the pulses is f_1. The synchronising signal can be expressed as a Fourier series:

$$e_B = e_{BO} + \sum_{k=0}^{\infty} e_{Bk} \cos(k\Omega_B t + \varphi_k)$$

and the signal at the output of the oscillator by:

$$e_\Gamma = \sum_{k=-\infty}^{\infty} e_{\Gamma k} \cos\left[(\omega_1 + k\Omega_B)t + \psi_k\right].$$

Cardl/5

Synchronisation of Oscillators by a Periodic Pulse Train

The problem cannot be solved by the spectral method of analysis and it is necessary to employ the iterative method of analysis devised by Teodorchik (Ref.2). In this, it is assumed that each radio pulse in the train produces a displacement of the initial phase of the oscillations in the oscillator and results in the appearance of an amplitude transient. After termination of the pulse, the frequency of the oscillator changes instantly to f_o, i.e. there is no further change in the phase of the oscillations. If the interval between the successive pulses is sufficiently large, the amplitude of the oscillations at the beginning of the next pulse will be practically the same as that at the beginning of the preceding pulse. In this case, the conditions in the oscillator at the beginning of each successive pulse differ from those during the preceding pulse only by virtue of their phase, which can be expressed by:

$$\varphi_n = \varphi(\varphi_{n-1}) + \omega_o(T_B - t_u)$$

where φ_n is the phase at the beginning of the n-th pulse,

Card2/5 φ_{n-1} is the phase at the beginning of the preceding pulse

Synchronisation of Oscillators by a Periodic Pulse Train

and t_u is the duration of a pulse. Eq.(1) is a difference equation of the first order and it describes the process of periodic "phasing" of the oscillator. Eq.(1) can also be written as Eqs.(2) or (4). The differential equation for the phase of the oscillator (with respect to the phase of the oscillations in a synchronising pulse), for the case of small and slowly changing amplitudes can be written as:

$$\frac{d\psi}{d\tau} = h - E(\tau) \sin \psi \qquad (8)$$

where ψ is the phase difference, $\tau = \omega t$ is the normalised time, $E(\tau) = e_m(\tau)/2A_o$ is the normalised amplitude of the synchronising signal, $e_m(\tau)$ is the amplitude of the synchronising signal as a function of τ, A_o is the amplitude of the oscillations and h is the relative de-tuning between the natural frequency of the oscillator and the synchronising frequency. If $\varphi = \psi - h\tau$, Eq.(8) can be written as Eq.(9) and if $u = \operatorname{tg} \frac{\varphi}{2}$, Eq.(9) is in the form of Eq.(10). The

Synchronisation of Oscillators by a Periodic Pulse Train

solution of this Riccati-type equation is given by Eq.(11) or by Eq.(13), where β can be found from Eqs.(22) and α_o and α can be found from Eqs.(23) and (24). In the above equations, $\varkappa = E_o\tau$ and $\gamma = h/E_o$. From the above, it follows that the process of periodic "phasing" by the radio pulses of small amplitudes can be described by:

$$\varphi_n = 2 \text{ arc } tg\left(tg \frac{\varphi_{n-1} + \alpha_o}{2} e^{-\beta}\right) - \alpha + \lambda \qquad (29)$$

from which the equilibrium points of the system are expressed by Eq.(30), where $\theta = \varphi + \alpha_o$ and $\theta_p = \alpha_o + \varphi_p$. Solutions of Eqs.(29) amd (30) are found and the results are shown graphically in Figs. 3, 4, 5 and 6. Fig.3 shows that the stable region (shaded) and the curves of $\dot{\theta}_p = 0$ ('dashed' curve) for f_o = constant and $\varkappa_o = 10$. Figs. 4, 5 and 6 show the stable regions and the curves of $\dot{\theta}_p = 0$ for other values of $\varkappa_o$. The phasing function of the

Card 4/5

Synchronisation of Oscillators by a Periodic Pulse Train 109-3-2-7/26

system for various values of β is shown in Fig.7.
There are 7 figures and 8 Russian references.

ASSOCIATION: Leningrad State University imeni A.A. Zhdanov (Leningradskiy gosudarstvennyy universitet im. A.A. Zhdanova)

SUBMITTED: January 21, 1957

AVAILABLE: Library of Congress

Card 5/5

1. Oscillators-Synchronization-analysis

05490

AUTHORS: Shauman, A.M. and Zanadvorov, P.N. SOV/141-2-2-15/22

TITLE: Frequency Locking in a Self-oscillator with Two Degrees of Freedom

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiofizika, 1959, Vol 2, Nr 2, pp 267 - 276 (USSR)

ABSTRACT: A simple feed-back oscillator has a pair of coupled tuned circuits connected between grid and cathode. The conditions assumed here include a wide range of tuning and coupling but maintain a small amount of "splitting" of the normal frequencies of the circuits. The circuit, shown in Figure 1, is described by the Eq (1), on the assumption that the valve works in the 'soft' regime. The proper frequencies are n_1 and n_2 and $\mu = n_1(MS_o - R_1C_1)$ is chosen as the small parameter. The frequency condition is Eq (2). When Eq (3) is satisfied the roots of Eq (2) are degenerate and Eq (1) merely describes an oscillator with a single degree of freedom with free oscillations in a coupled winding. When the frequency of the external force is close to that of either circuit, Eq (4) describes 'double resonance'.

Card1/3

Frequency Locking in a Self-oscillator with Two Degrees of Freedom

From Eqs (1) and (4), the time derivatives of A, B, C, D, slowly varying functions of time, can be evaluated giving the set of abbreviated equations (5). In the steady state this last system degenerates into a set of algebraic equations from which 'resonance curves' may be found. The stability condition, that the real parts of the roots are negative, can be found from Eq (6) or, more shortly, $f(\lambda) = 0$, which follows it. For the case of equal proper frequencies and damping the resonance curves and stable and unstable (cross-hatched) areas are plotted in the R^2, a plane in Figure 2. $R^2 = (A + C)^2 + (B + D)^2$; $a = (p - \omega_1)/\mu$ where p is the frequency of the external force. The coupling factor $\gamma = NCn^2$ takes values 0.05, 0.025, 0.0125, 0.01 and A_1, A_2, A_3, A_4 and A_5 are parameters, taking simple values, usually zero. Figure 3 is an isometric view of the R^2,a curves when γ is allowed continuous variation. The value $\gamma = 0.0125$ corresponds to critical coupling. The qualitative behaviour of the curves of Figure 2 are described in Section 4.

05490

Frequency locking in a Self-oscillator with Two Degrees of Freedom SOV/141-2-2-15/22

Experimental work has been carried out with an arrangement whose block diagram is in Figure 4. The tuned circuits of the oscillator are set to 170 kc/s. A variometer enables the coupling to bevaried from $\gamma = 0$ to 0.1. The output is examined on a ASChKh-1 spectrum analyser (0 - 20 kc/s) after conversion using a local oscillator tunable from 160-180 kc/s. By setting in a particular value of external driving force and gradually adjusting the coupling the appearance of the spectrum on the display tube could be correlated with the expectations of Section 4. The agreement is satisfactory and the theory may be used to predict the limits to the regions of stable locking for given values of locking signal and coupling.
There are 4 figures and 4 Soviet references.

ASSOCIATION: Leningradskiy gosudarstvennyy universitet (Leningrad State University)

SUBMITTED: December 12, 1958

Card 3/3

67542

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AUTHORS: Chirkov, M.K. and Zanadvorov, P.N. SOV/141-2-3-19/26

TITLE: The Influence of a Large Amplitude Radio Pulse on a Self-oscillator

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiofizika, 1959, Vol 2, Nr 3, pp 473 - 482 (USSR)

ABSTRACT: The transient conditions in a driven oscillator are studied, using the terminology of periodic phasing and the mathematical apparatus of finite-difference equations. The analytical relations obtained agree well with the results of numerical solution of the differential equations. The oscillator is a tuned-anode circuit with various bias arrangements. The valve characteristics are approximated by linear segments. If the frequency of the external signal is constant and the circuit parameters are fixed, the instantaneous amplitude and phase at the beginning of each successive period of excitation are given by Eq (1). If the oscillation was originally a damped sine wave, the amplitude and phase after one period of excitation are given by Eq (2). The angle over which anode current is cut off (referred to the grid) is given

Card1/3

The Influence of a Large Amplitude Radio Pulse on a Self-oscillator

by θ_1 in Eq (4) for fixed bias and in Eq (5) for "inertialess" auto-bias. The system of equations used in the rest of the paper (Eq 6) is a re-statement of Eq (2). For the synchronous case an even more compact form in new variables is Eq (9). The constant C is evaluated for fixed bias and variable bias with θ_o greater and less than 90^o (θ_o is the cut-off angle in the free-running condition). The solution to Eq (9) is Eq (10), represented in Figure 1 as a phase-frequency plot for various pulse durations. When the initial phase has a random character, the statistics of phase distribution after excitation are those in Figure 1b. Figure 2 shows the duration of pulse necessary to effect a given mean phase deviation. Figure 3 shows the "settling time" for phase of a synchronized oscillator with self-bias. When there is slight detuning, Figure 1 is replaced by Figure 4. The phase change with increase in pulse duration now has an oscillating character and the distribution

67542

SOV/141-2-3-19/26

The Influence of a Large Amplitude Radio Pulse on a Self-oscillator

function in Figure 4b is now asymmetrical.
There are 4 figures and 4 Soviet references.

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ASSOCIATION: Leningradskiy gosudarstvennyy universitet (Leningrad State University)

SUBMITTED: December 12, 1958

Card 3/3