Electronographic (Electron Diffraction) Determination of the Coefficients of Heterodiffusion in the Alloys Cu-Ni, Fe-Ni, Cu-Al and Ag-Al

of NaCl supported by a glass plate and dissolving the NaCl in water. In the electronograph Cu was evaporated rapidly from a hot source giving an equilibrium layer. The occurrence of a uniform solution could then be observed from the diffraction pattern. For Cu-Ni, $D = D_o \exp(-Q/RT)$ where $D_o = 5.6 \times 10^{-4}$ cm^2/sec, $Q = 37$ kcal/mole for equilibrium specimens and $D_o = 1.2 \times 10^{-4}$ cm^2/sec, $Q = 31$ kcal/mole for non-equilibrium specimens. For Al-Cu $D_o = 1.3 \times 10^{9}$ cm^2/sec, $Q = 37$ kcal/mole and for Al-Ag $D_o = 10^{-8}$ cm^2/sec and $Q = 39$ kcal/mole. Graphs for the other system (Fe-Ni), where the relationship between log D and T^{-1} is non-linear are given. Q has values which, particularly for the non-equilibrium case, do not agree with those determined by X-ray diffraction.

SOV/70-4-1-8/26

Electronographic (Electron Diffraction) Determination of the Coefficients of Heterodiffusion in the Alloys Cu-Ni, Fe-Ni, Cu-Al and Ag-Al

There are 5 figures, 3 tables and 6 Soviet references.

ASSOCIATION: Khar'kovskiy gosudarstvennyy universitet im. A.M. Gor'kogo (Khar'kov State University imeni A.M. Gor'kiy)

SUBMITTED: October 11, 1957

Card 3/3

S/126/60/010/006/014/022
E193/E483

AUTHORS: Pines, B.Ya., Grebennik, I.P. and Smushkov, I.V.

TITLE: Electron and X-Ray Diffraction Studies of the Heterodiffusion Coefficients in the Nickel-Chromium System

PERIODICAL: Fizika metallov i metallovedeniye, 1960, Vol.10, No.6, pp.879-885

TEXT: In the first stage of the present investigation, the heterodiffusion in the Ni-Cr system was studied with the aid of a high-temperature electron diffraction camera. The experimental specimens were prepared by vacuum deposition, an NaCl substrate having been used to deposit consecutive layers of quartz, nickel, chromium and quartz. (The layers of quartz served to prevent preferential oxidation of chromium during the diffusion annealing). The total thickness of the Cr-Ni layer was 1.7×10^{-6} cm, chromium having been deposited in such a quantity that on the completion of the diffusion annealing an alloy, containing 20 to 25 at.% Cr, was formed. Two variants of the specimens were made:
(1) "equilibrium" nickel - "equilibrium" chromium and
(2) "equilibrium" nickel - "non-equilibrium" chromium. The variant

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E193/E483

Electron and X-Ray Diffraction Studies of the Heterodiffusion Coefficients in the Nickel-Chromium System

(1) specimens were prepared by rapid deposition of nickel from strongly super-heated source on to a substrate pre-heated to about 400°C, followed by rapid deposition of chromium on to the nickel layer whose temperature was about 300°C. To produce the variant (2) specimens, nickel was deposited in the same way as in variant (1) but was allowed to cool to room temperature before the deposition of chromium was carried out. The electron diffraction pattern of the variant (1) specimens consisted of two systems of narrow lines, whereas those obtained for variant (2) specimens had narrow nickel lines and diffuse chromium lines. The mean value of the diffusion coefficient D for the variant (1) specimens varied from 24.1×10^{-15} cm^2/sec at 600°C to 0.415×10^{-15} cm^2/sec at 520°C; in the case of the variant (2) specimens, D varied from 48.2×10^{-15} cm^2/sec at 550°C to 2.41×10^{-15} cm^2/sec at 450°C. The activation energy for diffusion and the pre-exponential factor, calculated from these data, were Q = 51500 cal/mol and $D_o = 0.18$ cm^2/sec for the variant (1) specimens, the corresponding

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S/126/60/010/006/014/022
E193/E483

Electron and X-Ray Diffraction Studies of the Heterodiffusion Coefficients in the Nickel-Chromium System

values for the variant (2) specimens being 34600 cal/mol and 1.6×10^{-5} cm^2/sec. The specimens used for X-ray diffraction analysis consisted of 1.5 mm thick discs of electrolytic nickel (vacuum-annealed at 1400°C) on which a 5 to 6 micron thick layer of chromium had been electrodeposited. The diffusion annealing (at 700, 800 and 900°C) was carried out in a bath of molten boric oxide. The concentration-dependence of D, determined by X-ray diffraction, was similar for all three test temperatures, D decreasing with increasing concentration of chromium. At 900°C, D decreased from approximately 1×10^{-10} cm^2/sec at 4 at.% Cr to 0.3×10^{-10} cm^2/sec at 33 at.% Cr. The activation energy Q varied between 30 and 40 kcal/mol, the Q versus concentration curve having a maximum of 40 kcal/mol at 18% Cr and a local minimum of 33.5 kcal/mol at 30% Cr. The D_o versus concentration curve also passed through a maximum at about 18% Cr. The graph, illustrating the relationship between log D_o and $1/T$, and constructed from data obtained by electron diffraction on the

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S/126/60/010/006/014/022
E193/E483

Electron and X-Ray Diffraction Studies of the Heterodiffusion Coefficients in the Nickel-Chromium System

variant (1) specimens and by X-ray diffraction on electrolytic specimens, constituted a single straight line, indicating a close agreement between the results obtained by both methods. The students Yu.Krot, V.Solunskiy and D.Sherman participated in the work. There are 6 figures, 3 tables and 11 references: 9 Soviet and 2 non-Soviet (one of which is translated into Russian).

ASSOCIATION: Khar'kovskiy gosudarstvennyy universitet imeni A.M.Gor'kogo (Khar'kov State University imeni A.M.Gor'kiy)

SUBMITTED: March 11, 1960

Card 4/4

S/120/61/000/001/047/062
E032/E114

AUTHORS: Pines, B.Ya., and Grebennik, I.P.

TITLE: A High-Temperature Electron Diffraction Apparatus With Three Magnetic Lenses and an Evaporation Chamber

PERIODICAL: Pribory i tekhnika eksperimenta, 1961, No.1, pp.156-160

TEXT: The electron diffraction apparatus is shown schematically in Fig.1. The electron gun is similar to that described by B.Ya. Pines and A.I. Bublik in Ref.1. The cathode 1 is in the form of a 35° truncated cone. A hot tungsten filament is placed near the end of the cone. The massive anode 2 is also conical (140°) and the electrons pass through it via an axial aperture. The electron beam is focussed by the magnetic lenses 3 and 5. The lens 8 is used to alter the dispersion in the diffraction pattern. The specimen is adjusted in the beam by means of the attachment 6. The electron diffraction pattern can be observed on the fluorescent screen 10 through the window 9, or it can be recorded on photographic plates which can be inserted into the plate holder 11. The specimen is in the form of a thin film stretched over a tantalum

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S/120/61/000/001/047/062
E032/E114

A High-Temperature Electron Diffraction Apparatus With Three Magnetic Lenses and an Evaporation Chamber

ribbon containing a suitable aperture for the beam to pass through. The tantalum ribbon can be heated to any desired temperature by passing a current through it. The specimen chamber lies immediately above the evaporation chamber 7 which contains two evaporators. In this way films of various compositions can be obtained, and moreover their temperature can be adjusted as required. With all the three lenses in operation, a resolution of 2.9×10^{-4} can be obtained in the image plane. Owing to the relatively high resolving power, the apparatus can be used to investigate high-temperature diffusion processes in alloys whose components have roughly equal lattice constants (B.Ya. Pines and T.D. Grebennik. Ref.4).

There are 3 figures, 1 table and 4 Soviet references.

ASSOCIATION: Khar'kovskiy gosudarstvennyy universitet
(Khar'kov State University)

SUBMITTED: December 2, 1959

Card 2/3

45675

S/070/63/008/001/003/024
E132/E460

24.6800

AUTHORS: Pines, B.Ya., Grebennik, I.P.

TITLE: Electron diffraction investigation of heterodiffusion in the system Ge-Si

PERIODICAL: Kristallografiya, v.8, no.1, 1963, 16-20

TEXT: An estimate has been made of the coefficient of heterodiffusion between very thin layers of Ge and Si at 840°C. This is not significantly different from the value found by D.A.Petrov, Yu.M.Shashkov, and I.P.Akimchenko (Collection: Voprosy metallurgii i fiziki poluprovodnikov (Problems of Metallurgy and Physics of Semiconductors) izd-vo AN SSSR, 1957, 130-132) for massive specimens. It is often asserted that the diffusion coefficients when layers of only 100 to 1000 atoms thickness are involved differ from the bulk values. The length of time required to equalize the concentration of Ge and Si throughout a thin layer gives a measure of the diffusion coefficient. This process could be followed by electron diffraction as a double layer was annealed in the camera itself. Ge was deposited on a substrate at 400°C and a layer of Si was evaporated on top at room temperature. The Ge layer was crystalline and gave sharp spots and the Si layer was

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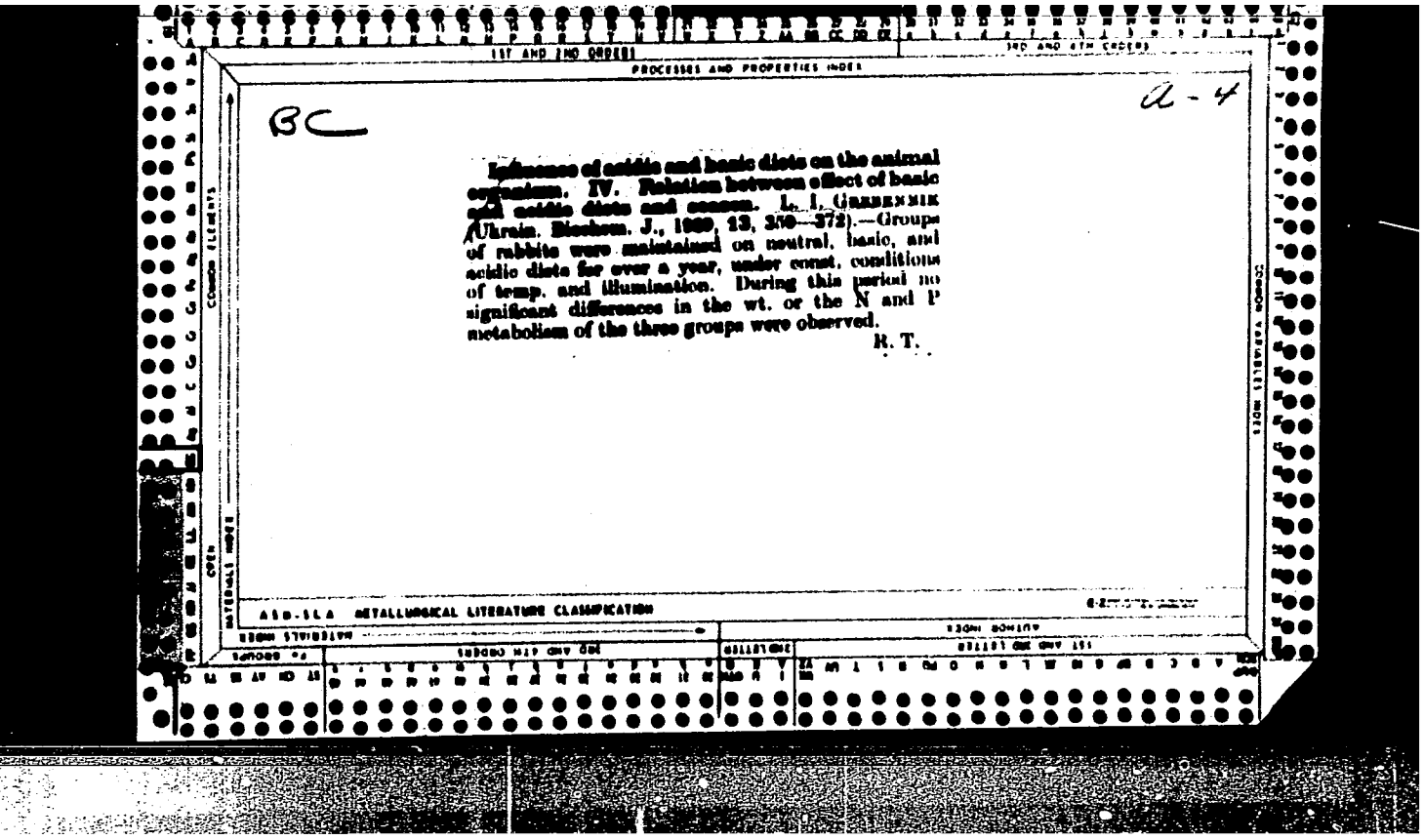
Electron diffraction ...

amorphous. At 450-500°C the process of equalization of the concentration had not yet begun. At 800°C the Si crystallized and at 840°C the system became single-phased. From the time required for this process and the thickness of the film, the diffusion coefficient could be estimated as 3×10^{-14} cm^2/sec from the equation $x^2 = Dt$, where x is the thickness and t the time; t was about 120 sec at 840°C and became too short to measure at higher temperatures; x was about 10^{-6} cm. There are 3 figures.

ASSOCIATION: Khar'kovskiy gosudarstvennyy universitet im. A.M.Gor'kogo (Khar'kov State University imeni A.M.Gor'kiy)

SUBMITTED: June 16, 1962

Card 2/2



BC

a-4

Influence of acidic and basic diets on the animal organism. IV. Relation between effect of basic and acidic diets and season. L. I. Grabennik (Ukrain. Biochem. J., 1939, 13, 349—372).—Groups of rabbits were maintained on neutral, basic, and acidic diets for over a year, under const. conditions of temp. and illumination. During this period no significant differences in the wt. or the N and P metabolism of the three groups were observed.

R. T.

GREBENNIK, L.I.; ZAKHAROVA, Zh.F.

Effect of para-(di-n-propylsulfamido) benzoic acid and its analogues upon the excretion of para-aminosalicylic acid from the body. Farm.i toks. 16 no.4:13-16 Jl-Ag '53. (MLRA 7:5)

1. Iz otdela farmakologii (zaveduyushchiy - professor M.D.Mashkovskiy) Vsesoyuznogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo instituta im. S.Ordzhonikidze. (Benzoic acid) (Para-aminosalicylic acid)

GREBENNIK, L. I.

Chemical Abst.
Vol. 48
Apr. 10, 1954
Biological Chemistry

Color reactions for pachycarpine assays in urine. L. I. Grebennik (S. Ordzhonikidze All-Union Sci. Research Chem.-Pharm. Inst., Moscow). *Farmakol. i Toksikol.* 16, No. 5, 63-5(1953).—A procedure is described for a phosphomolybdate assay of pachycarpine. Given subcutaneously to rats, 35-52% of the pachycarpine is eliminated in the urine in the first 6 hrs.; after that, little or none.
Julian F. Smith

GREBENNIK, L. I.

10
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1
RML

Absorption, elimination, and distribution of radioactive thiopental in rat organs and tissues. L. I. Grebennik and Z. I. Solov'eva. *Farmakol. i Toksikol.* 17, No. 1, 22-(1954).
—When Na thiopental (contgs S^{35}) was given to rats, 61.61% was eliminated in 4 days (mostly in the first 2 days); 30.15% appeared in oxidized form and 0.30% as unchanged Na thiopental or its primary degradation products. Nephritis due to CCl_4 inhibits elimination of Na thiopental and its degradation products by the kidneys. J. F. S.

GREBENNIK, L. T.

USSR.

Effects of platyphylline on the fat and glycogen content of the liver in animals poisoned with carbon tetrachloride. L. I. Grebennik and Zh. F. Zakharova. *Farmakol. i Toksikol.* 17, No. 5, 39-42(1954).—Fat and glycogen in the dry matter of rat livers were not significantly affected by giving platyphylline (100 mg./kg. subcutaneously 10 min. before and 24 hrs. after) to rats receiving CCl_4 (subcutaneously, 2.5 ml./kg). Julian F. Smith

Pharmacophysiology

Card 1/1 Pub.30 - 13/18 FD-862

Author : Grebennik, L. I.

Title : Concerning the elimination of Promedol from an organism

Periodical : Farm. i toks. 17, 48-51, Jul/Aug 54

Abstract : The preparation of a standard solution of Promedol (1, 2, 5-trimethyl-4-phenyl-4-propionoxypiperidine hydrochloride) is described in detail. The analytical procedures used in detecting Promedol in the urine and tissues of experimental animals is outlined. The results of the investigations are presented in 2 charts. Five Soviet references are cited.

Institution : The Division of Pharmacology (Head - Prof. M. D. Mashkovskiy) of the All-Union Scientific-Research Chemicopharmaceutical Institute imeni S. Ordzhonikidze

Submitted : --

GREBENNIK, L.I.; SOBOLEVA, I.M.

Studies on excretion and distribution of tiphen in the body by using the radioisotope method. Farm. i toks. 19 no.5:50-53 S-O '56. (MLRA 10:3)

1. Otdel khimioterapii (zav. - prof. G.N.Pershin) Vsesoyuznogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo instituta imeni S.Ordzhonikidze.

(MUSCLE RELAXANTS, metabolism,
thiodiphonyl acetic acid beta-diethylaminoethyl ester HCl, excretion & distribution of labeled prep. (Rus))

GREBENNIK, L.I.; ZAKHAROVA, Zh.F.

Absorption and excretion of vitamin B1 studied by radiosulfur-labelled thiamine [with summary in English]. Vop.med.khim. 3 no.2: 86-90 Mr-Ap '57. (MLRA 10:7)

1. Laboratoriya biokhimii otdela khimioterapii Vsesoyuznogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo instituta imeni S.Ordzhonikidze, Moskva.
(VITAMIN B1, metab.
excretion in rats after admin. by different routes, radiosulfur study (Rus))

GREBENNIK, L.I.; SOBOLEVA, I.M.

Effect of phthivazid on the ascorbic acid content of animal organs. Farm. i toks. 20 no.1:66-71 Ja-F '57. (MLRA 10:7)

1. Otdel khimioterapii (zav. - prof. G.N.Pershin) Vsesoyuznogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo instituta imeni S.Ordzhonikidze.

(VITAMIN C, metabolism,
eff. of nicotinic acid isomers (Rus))
(NICOTINIC ACID ISOMERS, effects,
on vitamin C metab. (Rus))

GREBENNIK, L.I.

Methods for the determination of aminazine and its excretion from the system after intragastric and subcutaneous administration [with summary in French]. Zhur.nevr. i psikh. 57 no.2:208-213 '57. (MIRA 10:6)

1. Otdel khimioterapii (zav. - prof. G.N.Pershin) Vsesoyuznogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo instituta imeni S.Ordzhonikidze, Moskva.

(CHLORPROMAZINE, metab.
distribution & excretion from body in rats after intragastric & subcutaneous admin.)

Grebennik, L.I.

USSR/Pharmacology -and Toxicology - Chemotherapeutic Preparations. V
Antituberculotic Agents.

Abs Jour : Ref Zhur- Biol., No 2, 1959, 9302

Author : Grebennik, L.I., Belykh, R.A., Shakhnazarova, N.G.
Inst : -
Title : Effects of Phthivazid and Isonicotinic Acid Hydrazide upon the Growth of White Rats in the Absence of Vitamin B_6 in Food Rations.

Orig Pub : Probl. tuberkuleza, 1958, No 3, 72-77

Abstract : In experiments carried out on 66 young rats, it was found that in the absence of B_6 in the rations phthivazid (P) and isoniazid (I) delay growth and produce a decrease of Hb, sugar and blood, as well as a decrease of the weight of the thymus, appendages of sexual glands, and an increase of the weight of the adrenal glands. Following the introduction of B_6 into the rations, the weight of the rats and morphological indexes return to

Card 1/2

T

COUNTRY : USSR
CATEGORY : Human and Animal Physiology, Metabolism

ABS. JOUR. : RZhBiol., No. 5 1959, No. 21775

AUTHOR : Grebennink, L.I.; Kaydin, D.A.; Bogomolova N.S.
INST. : --
TITLE : The Growth of Suckling Rats When the Mother is Given Phthivazid and Tubazid in the Diet both with and without Vitamin B_6.
ORIG. PUB. : Vopr. pitanya, 1958, 17, No. 4, 8--15

ABSTRACT : Lactating female rats recieved in their diets the antitubercular preparations phthivazid and tubazid (50 and 25 mg per animal per day respectively). The presence of these preparations in the diet of the mother did not reflect upon the development of the litter. The simultaneous addition of 150 micrograms of vitamin B_6 to the diet resulted in an increase in the weight of the young rats. The control rats, suckled by mothers receiving a diet devoid of vitamin B_6, developed poorly and succumbed between day 15 and

Card: 1/2

T-12

GREBENNIK, L.I.

Effect of phthivazide on the urinary excretion of uronic acids in rats [with summary in English]. Farm. i toks. 21 no.2:65-67 Mr-Ap '58 (MIRA 11:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut imeni S. Ordzhonikidze.

(ISONIAZID, effects,
on urinary uronic acids in rats (Rus))
(URONIC ACID, in urine,
eff. of isoniazid in rats (Rus))

GREBENNIK, L.I.

Effect of phthivazid on weight and nitrogen metabolism in animals fed normal and limited diets; author's abstract. Farm. i toks. 21 no.4:84-85 Jl-Ag '58 (MIRA 11:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut imeni S. Ordzhonikidze.

(ISONIAZID, effect,
on body weight & nitrogen metab. in normal & hungry animals (Rus))
(BODY WEIGHT, effect of drugs on
isoniazid, in normal & hungry animals (Rus))
(HUNGER, effects
on body weight & nitrogen metab. responses to isoniazid in animals (Rus))
(NITROGEN, metab.
eff. of isoniazid in normal & hungry animals (Rus))

GREBENNIK, L.I., SOBOLEVA, I.M.

Effect of phthivazid and tubazid on urinary excretion of neutral 17-ketosteroids [with summary in English]. Farm. i toks. 21 no.5:63-67 S-O '58 (MIRA 11:11)

1. Otdel khimioterapii (zav. - prof. G.N. Pershin) Vsesoyuznogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo instituta im. S.Ordzhonikidze.

(NICOTINIC ACID ISOMERS, eff.
on urinary 17-ketosteroids (Rus))
(TEROIDS, inurine,
eff. of nicotinic acid isomers (Rus))

GREBENNIK, L.I., BELYKH, R.A., SHAKHNAZAROVA, N.G.

Effect of phthivazid and isonicotinic acid hydrazide on the growth of white rats in absence of vitamin B_6 from the food ration [with summary in French] Probl.tub. 36 no.3:72-77 '58 (MIRA 11:5)

1. Iz otdela khimioterapii (zav. - prof. G.N. Pershin) i otdela farmakologii (zav. - prof. M.D. Mashkovskiy) Vsesoyuznogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo instituta imeni S. Ordzhonikidze.

(ISONIAZID, eff.
on growth of white rats in vitamin B_6 defic. (Rus))
(VITAMIN B_6 DEFICIENCY, exper.
eff. on growth of white rats during isoniazid & N-(4-hydroxy-3-methoxy)benzal isonicotinic acid hydrazone admin. (Rus))

GREBENNIK, L.I., SOBOLEVA, I.M., SHAKHNAZAROVA, N.G.

Comparative effects of isonicotinic acid hydrazide derivatives on the development of young animals with dietary vitamin B_6 deficiency [with summary in English]. Biul.eksp.biol. i med. 45 no.5:45-50 My '58 (MIRA 11:6)

1. Iz otdela khimioterapii (zav. - prof. G.N. Pershin) i otdela farmakologii (zav. - prof. M.D. Mashkovskiy) Vsesoyuznogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo instituta imeni S. Ordzhonikidze, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR S.Ye. Severinym.

(NICOTINIC ACID ISOMERS, effects,
on growth of young rats in vitamin B_6 defic., comparison of various prep. (Rus))
(VITAMIN B_6 DEFICIENCY, experimental,
eff. on growth of various isonicotinic acid hydrazides in young rats (Rus))
(GROWTH, effect of drugs on,
isonicotinic acid hydrazides in vitamin B_6 defic. young rats (Rus))

GHEBENNIK, L.I.; ZAKHAROVA, Zh.F.

Study of the absorption and excretion of vitamin B_1 by means of the isotope method. Khim. i med. no.11:99-104 '59. (MIRA 13:6)
(THIAMINE)

GREBENNIK, L.I.; SOLOV'YEVA, Z.I.

Absorption, excretion, and distribution of radioactive thiopental sodium in the organs and tissues of rats. Khim.i med. no.11:104-110 '59. (MIRA 13:6)

(THIOPENTAL)

GHEBENNIK, L.I.; SOBOLEVA, I.M.

Study of the distribution of tibione in the separate components of the blood by means of the isotope method. Khim.i med. no.11: 110-112 '59. (MIRA 13:6)

(ACETANILIDE)

GREBENNIK, L.I.; SOBOLEVA, I.M.

Study of the absorption and excretion of cutisone by the animal organism by means of the isotope method. Khim.i med. no.11:112-115 '59. (MIRA 13:6)

(CUMALDEHYDE)

GREBENNIK, L.I.

Color reactions to platyphilline. Med. prom. 13 no.2:35-37 F '59
(MIRA 12:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiki-farmatsevticheskiy institut imeni S. Ordzhonikidze.
(COLORIMETRY) (PLATYPHILLINE)

GREBENNIK, L.I.; KAYDIN, D.A.; BOGOMOLOVA, N.S.

Secretion of isoniazid, phthivazide, and some other antitubercular drugs with milk. Farm. i toks. 22 no.4:362-364 Jl-Ag '59.
(MIRA 13:1)

1. Otdel khimioterapii (zav. - prof. G.N. Pershin) Vsesoyuznogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo instituta imeni S. Ordzhonikidze.

(ANTITUBERCULAR DRUGS metab.)
(MILK)

GRIBENNIK, L.I.; PASHCHENKO, N.I.; OBOLONINA, A.I.

Effect of tuberculostatic preparations on the vitamin C level in pulmonary tuberculosis. Sov. med. 23 no.5:76-81 My '59. (MIRA 12:7)

1. Iz otdela khimioterapii (zav. - prof. G. N. Pershin) Vsesoyuznogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo instituta imeni S. Ordzhonikidze i kafedry tuberkuleza (zav. - prof. I.Ye. Kochnova) II Moskovskogo gosudarstvennogo meditsinskogo instituta imeni N. I. Pirogova.

(TUBERCULOSIS, PULMONARY, ther.
tuberculostatics, eff. on vitamin C metab. (Rus))
(VITAMIN C, metab.
in pulm. tuberc., eff. of tuberculostatics (Rus))

GREBENNIK, L.I.; BOGOMOLOVA, N.S.

Excretion of aminazine from the body; a reply to N.A. Fedorov's criticism of our paper published in Zhurnal nevropatalogii i psikhiatrii no.2, 1957. Zhur.nevr. i psikh. 59 no.2:255-256 '59.
(CHLORPROMAZINE)

GREBENNIK, L.I.; MAKEYEVA, O.O.

Inactivation of the hydrazide of isonicotinic acid and its derivatives, phthivazide and metazide, in the body of various types of animals. Khim. i med. no.14:35-38 '60. (MIRA 14:12)

1. Otdel khimioterapii (zav. - prof. G.N.Pershin) Vsesoyuznogo nauchno-issledovatel'skogo khimio-farmatsevticheskogo instituta imeni S.Ordzhonikidze.
(PHTHIVAZIDE) (METAZIDE) (TUBERCULOSIS)

GREBENNIK, L.I.; MAKEYEVA, O.O.; PASHCHENKO, N.I.

Urinary excretion of products from the transformation of hydrazide of isonicotinic acid, phthivazide, and metazide in patients with pulmonary tuberculosis. Khim. i med. no.14:39-42 '60. (MIRA 14:12)

1. Otdel khimioterapii (zav. - prof. G.N.Pershin) Vsesoyuznogo nauchno-issledovatel'skogo khimio-farmatsevticheskogo instituta imeni S.Ordzhonikidze i kafedra tuberkuleza (zav. - prof. I.Ye. Kochnova) II Moskovskogo meditsinskogo instituta imeni N.I.Pirogova.
(ISONIAZID) (PHTHIVAZIDE) (METAZIDE)
(TUBERCULOSIS)

GREBENNIK, L.I.; RYABOKON', N.A.; GNEVKOVSKAYA, T.V.

Determination of epiline in drugs. Med. prom. 14 no.7:39-42 Je '60.
(MIRA 13:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut im. S. Ordzhonikidze.
(HAIR, REMOVAL OF)

GREBENNIK, L.I.; GNEVKOVSKAYA, T.V.; VELIKODVORSKAYA, G.A.

Comparative data on the metabolism of nicotinic and isonicotinic acids in the rat organism. Farm. i toks. 23 no. 5:436-439 S-O '60. (MIRA 13:12)

1. Otdel khimioterapii (zav. - prof. G.N. Pershin) Vsesoyuznogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo instituta imeni S. Ordzhonikidze.
(NICOTINIC ACID) (ISONICOTINIC ACID)

GREBENNIK, L.I.; MAKEYEVA, O.O.

Inactivation of isonicotinic acid hydrazide and of its derivative phthivazid in organisms of various animals. Farm.i toks. 23 no.6: 546-549 N-D '60. (MIRA 14:3)

1. Otdel khimioterapii (zav. - prof. G.N.Pershin) Vsesoyuznogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo instituta imeni S. Ordzhonikidze.
(ISONICOTINIC ACID)

GREBENNIK, L.I.; TOLSTOVA, T:I.

Conversion of phthivazid and tubazid (INH) in the organism. Farm.i toks. 24 no.1:114-118 Ja-F '61. (MIRA 14:5)

1. Otdel khimioterapii (zav. - prof. G.N.Pershin) Vsesoyuznogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo instituta imeni S.Ordzhonikidze.
(ISONICOTINIC ACID)

GREBENNIK, L.I.

Ultraviolet absorption spectra of isonicotinic acid hydrazide and its derivatives. Farm.i toks. 24 no.2:233-237 Mr-Ap '61. (MIRA 14:6)

1. Otdel khimioterapii (zav. - prof. G.N.Pershin) Vsesoyuznogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo instituta imeni S. Ordzhonikidze.

(ISONICOTINIC ACID--SPECTRA) (SPECTRUM, ULTRAVIOLET)

GREBENNIK, L.I.

Phthivazide and glucuronylphthivazide synthesis in the body. Farm. toks. 24 no.3:354-357 My-Je '61. (MIRA 15:1)

1. Otdel khimioterapii (zav. - prof. G.N.Pershin) Vsesoyuznogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo instituta imeni S.Ordzhonikidze.
(PHTHIVAZIDE)

GREBENNIK, L.I.; LEVASHOVA, Ye.Ya.; SHAKHNAZAROVA, N.G.

Effect of nicotinic and isonicotinic acid on the development of hypercholesteremia and atherosclerosis in rabbits. Farm. i toks. 25 no.5:590-596 S-O '62 (MIRA 18:1)

1. Otdel khimioterapii (zav. - chlen-korrespondent AMN SSSR prof. G.N. Pershin) Vsesoyuznogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo instituta imeni S. Ordzhonikidze.

GREBENNIK, L.I.

Enzymatic decomposition of isonicotinic acid hydrazide and its derivatives in the organs of the animal body. Farm. i toks. 25 no.6:735-741 N-D '62. (MIRA 17:8)

1. Otdel khimioterapii (zav. - prof. G.N. Pershin) Vsesoyuznogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo instituta imeni S. Ordzhonikidze.

GREBENNIK, L.I.; GNEVKOVSKAYA, T.V.; SMIRNOV, G.A.

Metabolism of vanillin as a phthivazide ingredient. Vop. med. khim. 9 no.2:127-133 Mr-Ap '63. (MIRA 17:8)

1. Otdel khimioterapii Vsesoyuznogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo instituta imeni Ordzhonikidze i Institut tuberkuleza AMN SSSR, Moskva.

GREBENNIK, L.I.; SUKHANOVSKIY, V.P.; RYABOKON', N.A.; SULITSKIY, V.A.

Effect of antitubercular preparations on thiamine metabolism in pulmonary tuberculosis. Sov.med. 26 no.2: 45-51 F'63. (MIRA 16:6)

1. Iz otdela khimioterapii (zav. - prof. G.N.Pershin) Vsesoyuznogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo instituta imeni S.Ordzhonikidze i kafedry tuberkuleza (zav. - prof. I.Ye. Kochnova) II Moskovskogo meditsinskogo instituta imeni N.I.Pirogova.

(THIAMINE) (TUBERCULOSIS) (ISONIAZID) (PHTHIVAZIDE)

GREBENNIK, L.I.; YEROSHINA, N.V.

Comparative effect of isoniazid, phthivazide and metazid on vitamin B_6 excretion in tuberculosis patients. Probl. tuberk. 41 no.4:57-60 '63 (MIRA 17:2)

1. Iz otdela khimioterapii (zav. - prof. G.N.Pershin) Vsesoyuznogo nauchno-issledocatel'skogo khimiko-farmatsevticheskogo instituta imeni S. Ordzhonikidze, Moskva.

RYABOKON', N.A.; GREBENNIK, L.I.

Comparative data on the inhibition of the activity of monoamine oxidase by substances of the hydrazine group. Farm. i toks. 28 no.5:608-612 S-O '65. (MIRA 18:12)

1. Otdel khimioterapii (zav. - chlen-korrespondent AMN SSSR prof. G.N.Pershin) Vsesoyuznogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo instituta imeni S.Ordzhonikidze, Moskva. Submitted June 24, 1964.

BELOV, Konstantin Alekseyevich; LAZORIN, Serafim Nikolayevich; GREBENNIK, P.I., otv.red.; LIBERMAN, S.S., red.izd-va; ANDREYEV, S.P., tekhn.red.

[Intensification of recovery processes in the benzene sections of by-product coking plants] Intensifikatsiia raboty benzol'nykh otdelenii na koksokhimicheskikh zavodakh. Khar'kov, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1959. 141 p. (MIRA 12:8)
(Coke industry--By-products) (Benzene)

GREBENNIK, R.A.

Some technical and economic indications of the assembly of three-dimensional roofs. Prom.stroi. 41 no.9:33-38 S '63. (MIRA 16:11)

BLOKHINTSEVA, T.D.; GREBENNIK, V.G.; ZHUKOV, V.A.; KRAVTSOV, A.V.; LIBMAN, G.; NEMENOV, L.L.; SELIVANOV, G.I.; YUAN' ZHUN-FAN [Yuan Jung-fang]

Determining the contribution of the 3/2, 3/2 isobar to inelastic π-p-interaction processes at the π-meson kinetic energy of 344 Mev. IAd. fiz. 1 no.1:103-112 Ja '65. (MIRA 18:7)

1. Ob"yedinennyy institut yadernykh issledovaniy.

L 05190-67
ACC NR: AP6011244 SOURCE CODE: UR/0413/66/000/006/0081/0081

23
B

AUTHOR: Grebennik, V. S.

ORG: none

TITLE: Ultrasonic resonance method for measuring thickness. Class 42, No. 179944

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 6, 1966, 81

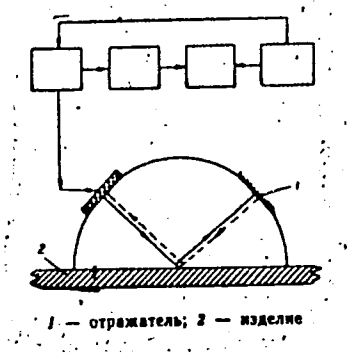
TOPIC TAGS: ultrasonic vibration, ultrasonic vibration emitter, measuring instrument

ABSTRACT: This Author Certificate presents an ultrasonic resonance method for measuring thickness. The method is based on the fact that ultrasound vibrations generated by a piezoconverter are directed toward the object being measured. The reflected ultrasonic vibrations are then received by the same piezoconverter, and the resonance phenomena produced in the system piezoconverter-object are registered. By the frequency at which resonance originates, the thickness of the measured object is determined (see Fig. 1). To measure small thicknesses, a reflector is used and the ultrasonic waves are directed toward the object at a small angle, so that they can be readily absorbed after being reflected from the reflector and the measured object.

Card 1/2 UDC: 531.717.521

L 05190-67
ACC NR: AP6011244

Fig. 1. 1 - reflector; 2 - object



Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 24Feb65

Card 2/2 vmb

3247
S/032/62/028/001/005/017
B108/B138

24.1900 (1137)

AUTHORS: Yermolov, I. N., and Grebennik, V. S.

TITLE: Dependence of the ultrasonic signal amplitude on the size and depth of a defect in immersion flaw detecting

PERIODICAL: Zavodskaya laboratoriya, v. 28, no. 1, 1962, 56 - 60

TEXT: The authors calculated the ultrasonic amplitude received through an immersion flaw detector. Unlike the calculation made by A. G. Gorokhovyy, interference of the ultrasonic waves is taken into account. The problem is solved in cylindrical coordinates with the detector perpendicular to the surface of the piece to be tested. It can be reduced to a homogeneous medium problem since incident and reflected waves are in the same phase. In this case the actual detector must be replaced by a virtual one n times nearer to the test object ($n = \frac{c}{c_L}$ relative refractive index of the immersion liquid). The general results have been adopted from a previous paper (I. N. Yermolov. Akusticheskiy zhurnal, v. 6, no. 2, 198 (1960)). The formula for the sound pressure is

Card 1/2

Dependence of the...

written in the approximate form

$$p=2P_0\frac{4\rho c\rho' c_L}{(\rho c+\rho' c_L)^2}n\frac{\beta}{\alpha}\sin\frac{\alpha}{2}\sqrt{4\sin^2\frac{\alpha}{2}\cdot\left(1-\alpha\beta+\frac{\alpha^2\beta^2}{2}\right)-\frac{\alpha\beta^2}{3}(2\sin\alpha-\alpha)}. \quad (16)$$

ρ = density of liquid, ρ' = density of test body, c = velocity of sound in liquid, c_L = velocity of longitudinal sound wave in test body,

$$\alpha=\frac{k'a^2}{2(zn+|z'|)};\quad \beta=\frac{k'b^2}{2(zn+|z'|)} \quad (A),$$

$k=\frac{\omega}{c}$; z and z' are the true distances of detector and flaw, respectively, from the surface of the test body, a = radius of detector, b = radius of flaw. The error is estimated for the case water-steel. It is shown that the problem of an immersion flaw detector can be reduced to that of a contact flaw detector if the parameters of the homogeneous medium (as indicated above) are properly chosen. There are 3 figures and 3 Soviet references.

ASSOCIATION: Tsentral'nyy nauchno-issledovatel'skiy institut tekhnologii i mashinostroyeniya (Central Scientific Research Institute of Technology and Machine Building)

Card 2/2

L 12065-66 EWT(l)/EPF(n)-2/ETC(m) IJP(c) WW

ACC NR: AP5021482 SOURCE CODE: UR/0046/65/011/003/0396/0397

AUTHOR: Grebennik, V. S.

ORG: Central Scientific Research Institute of Technology and Machine Building, Moscow (Tsentral'nyy nauchno-issledovatel'skiy institut tekhnologii i mashinostroyeniya)

TITLE: On the curvature of the directivity pattern of flat reflectors

SOURCE: Akusticheskiy zhurnal, v. 11, no. 3, 1965, 396-397

TOPIC TAGS: acoustic reflection sound propagation

ABSTRACT: This is a continuation of earlier work by the author (Akust. zh. v. 11, 3, 1965), where it was shown that simple measurements and a calculation of the curvature of the directivity pattern for reflection from a flat obstractle makes it possible to determine approximately the dimensions and the shape of the obstacle. The present article presents a more detailed analysis of the relation between the dimensions of the obstacle and the quantity representing the curvature of the directivity pattern. An expression is written out for this curvature and it is shown that formally the curvature depends not only on the area of the screen but also on the shape of its contour and on the location of the point chosen as the origin of the coordinates. The expression for the curvature is expressed in terms of a functional which is invariant to compression or tension in a preferred direction, after which the response of the functional to arbitrary infinitesimal contour transformations is determined. A trans-

Card 1/2 UDC: 534.874

L 12065-66
ACC NR: AP5021482

formation group is defined under which the curvature of the reflection pattern remains invariant and independent of the shape of the obstacle contour. The values of the functional are given for several elementary shapes (rectangle, circle, ellipse). Orig. art. has: 3 formulas.

SUB CODE: 20/ SUBM DATE: 04May64/ ORIG REF: 001

Card 2/2

YERMOLOV, I.N., kand.tekhn.nauk; RAYKHMAN, A.Z., inzh.; GREBENNIK, V.S., inzh.

Standardizing the sensitivity of ultrasonic flaw detectors in the control of welded joints. Svar.proizv. no.12:28-30 D '65. (MIRA 18:12)

GREBENNIKOV, A.F.

KVRBINOV, Mikhail Grigor'yevich, doktor tekhn. nauk, red.; GREBENNIKOV, A.F.; IVANOV, V.I.; LAVRENT'YEV, A.I.; OSETROV, P.A.; RUBTSOV, P.A.; VASKHNIL, akademik, red.; SAPAROVA, A.L., spets. red.; ZUYEVA, K.N., red.; MAKHOVA, N.N., tekhn. red.; FEDOTOVA, A.F., tekhn. red.

[Use of electric power in agriculture] Primenenie elektricheskoi energii v sel'skom khoziaistve. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1958. 499 p. (MIRA 11:7)

1. Deystvitel'nyy chlen Akademii nauk SSSR (for Vaskhnil).
(Electricity in agriculture)

GREBENNIKOV, A. F.

ANDRIANOV, V.N., doktor tekhn.nauk; BERSENEV, Ye.Ye., inzh.; BYSTRITSKIY, D.N., kand.tekhn.nauk; GREBENNIKOV, A.F., kand.tekhn.nauk; GRETSOV, N.A., kand.tekhn.nauk; ZUYEV, V.A., kand.tekhn.nauk; KLIMOV, A.A., kand.tekhn.nauk; KOROLEV, V.F., kand.tekhn.nauk; KUDRYAVTSEV, I.F., kand.tekhn.nauk; KULIK, M.Ye., kand.tekhn.nauk; NAZAROV, G.I., kand. tekhn.nauk; OLEYNIK, N.P., inzh.; OSETROV, P.A., kand.tekhn.nauk; PODSOSOV, A.N., inzh.; POPOV, S.T., inzh.; PRISHCHEP, L.G., kand. tekhn.nauk; PCHELKIN, Yu.N., inzh.; RUBTSOV, P.A., kand.tekhn.nauk; RUNOV, B.A., kand.tekhn.nauk; SAVINKOV, K.P., kand.tekhn.nauk; SAZONOV, N.A., prof., doktor tekhn.nauk; SERGEYEV, A.S., inzh.; SKVORTSOV, P.F., kand.tekhn.nauk; SMIRNOV, B.V., kand.tekhn.nauk; SMIRNOV, V.I., kand.tekhn.nauk; TYMINSKIY, Ye.V., inzh.; URVACHEV, P.N., kand.tekhn.nauk; SHTURMAN, B.A., inzh.; SHCHUROV, S.V., kand.ekon.nauk; RUNOVA, L.M., inzh.; VOL'FOVSKAYA, D.N., red.; NIKITINA, V.M., red.; BALLOD, A.I., tekhn.red.

[Manual on the use of electric power in agriculture] Spravochnik po primeneniiu elektorenergii v sel'skom khoziaistve. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1958. 606 p. (MIRA 11:5)
(Electricity in agriculture)

GREBENNIKOV, B.

Socialistic transformation in rural China ("Socialistic development of rural China." Reviewed by B.Grebennikov). Vop.ekon.no.6:125-130 Je '57. (MLRA 10:7)

(China--Agriculture, Cooperative)

VOLKOV, A.; GREBENNIKOV, B.

Soviet-Chinese economic cooperation ("Studies on the economic relations between the U.S.S.R. and China" by M.I.Sladkovskii. Reviewed by A.Volkov, B.Grebennikov). Vop.ekon. no.11:114-117 N '58. (MIRA 11:11)
(Russia--Foreign economic relations--China)
(Sladkovskii, M.I.)

GREBENNIKOV, B.

Edifice of socialism grows up on Rumanian soil. Vnesh. torg. 42 no.8:15-16 '62. (MIRA 15:9)
(Rumania—Economic conditions) (Rumania—Commerce)

TRUBNIKOV, G.R.; SIVERGIN, Yu.M.; GREBENNIKOV, B.V.

Program controlled thermostat. Prib. i tekh. eksp. 6 no.6:150-151 N-D '61. (MIRA 14:11)

1. Institut khimicheskoy fiziki AN SSSR.
(Thermostat)

GREBENNIKOV, B.V., inzh.

Calculating mirror and lens photographic objectives taking into account the permissible geometric vignetting at the edge of the field of view. Izv. vys. ucheb. zav.; geod. i aerof. no.4:97-104 '64. (MIRA 18:2)

1. Moskovskoye vysshcye tekhnicheskoye uchilishche imeni N.E. Baumana. Rekomendovana kafedroy prikladnoy optiki.

PROVORNOV, S.M.; GREBENNIKOV, O.F.

"High-speed motion-picture photography with the SKS-1 camera" by V.I. Lavrent'yev, V.G. Pell'. Reviewed by S.M. Provornov, O.F. Grebennikov. Zhur. nauch. i prikl. fot. i kin. 9 no.3: 237-238 My-Je '64. (MIRA 18:11)

GREBENNIKOV, D.

Improve service to collective farms. Fin.SSSR. 20 no.11:72
N '59. (MIRA 12:12)
(Partizanskiy District--Local government)
(Repair and supply stations)

GREBENNIKOV, Dm.; RAPTUNOVICH, I., redaktor; KARPINOVICH, Ya., tekhnicheskiy redaktor.

[The struggle for a 24-hour work schedule] V bor'be za sutochnyi grafik. Minsk, Gos. izd-vo BSSR, Red. nauchno-tekhn. lit-ry, 1951. 58 p. (MLRA 8:2)
(Founding) (Factory management)

GREBENNIKOV, D.A., gornyy inzh.

Reconditioning of 6P-7 sand pumps. Gor.zhur. no.10:47-49 O '60. (MIRA 13:9)
(Mine pumps--Maintenance and repair)

GREBENNIKOV, D.A., gornyy inzh.

Pressure head regulators for wet boring. Gor. zhur. no. 1:68 Ja '61. (MIRA 14:1)

(Boring--Equipment and supplies)

GREBENNIKOV, D.A., gornyy inzh.; ZYKOV, V.A.; GUSHCHIN, V.V.; DEMIDENKO, I.F.; RODIONOV, G.V., prof., doktor tekhn.nauk

Discussion of IA. B. Kal'nitskii and S.P. Vasil'evskii's article "Problems in the automation of stoping equipment in the mining industry." Gor. zhur. no.10:59-64 O '61. (MIRA 15:2)

1. Glavnyy mekhanik kombinata "Apatit" (for Zykov). 2. Glavnyy inzh. kombinata "Apatit" (for Gushchin). 3. Upravlyayushchiy rudnikom Odra-Bash Kuznetskogo metallurgicheskogo kombinata (for Demidenko). 4. Institut gornogo dela Sibirskogo otdeleniya AN SSSR (for Rodionov).
(Mining machinery)

GREBENNIKOV, D.A., gornyy inzh.

Automatic vibrating apparatus for cleaning cars. Gor. zhur. no.9:76 S '62. (MIRA 15:9)

(Mine railroad--Cars)

GREBENNIKOV, G.

Aluminum. Tekn.mol. 25 no.6:14-16 Je '57. (MLRA 10:7)
(Aluminum industry)

GREBENNIKOV, G.A., slesar' po remontu teploizmeritel'nykh priborov (Novocherkassk)

Thermocouple for checking the heating of gears. Elek.i tepl. tiaga 3 no.11:35 N '59. (MIRA 13:3)
(Electric locomotives)

GREBENNIKOV, G.A.; SHILYKOV, I.P.

Ordovician stratigraphy of the Selennyakh Range. Sov. geol. 3 no. 12:100-114 D '60. (MIRA 14:2)

1. Yanskoye rayonnoye geologorazvedochnoye upravleniye.
(Selennyakh Range--Geology, Stratigraphic)

GREBENNIKOV, G.A.

Mesozoic and Cenozoic formations and the history of the development of the northwestern margin of the Kolyma central massif. Mat.po geol.i pol.iskop.IAk.ASSR no.5:3-11 '61. (MIRA 15:7)
(Kolyma Range--Geology)

KLIMOV, Yu.M.; CHIKIN, V.V.; ANISIMOV, N.I.; BARSKOV, I.M.; VINOGRADOV, Yu.V.; GAVRILOV, A.N.; GAUKHMAN, L.A.; GOLOV, A.P.; GOL'DMAN, L.S.; GRIBENNIKOV, G.I.; YEFIMOV, A.N.; ZALUTSKIY, M.S.; ZAYTSEVA, A.V.; OIYRYSH, A.I.; KANDARITSKIY, V.S.; KAPRANOV, I.A.; KOVALEV, N.I.; KOVALEVSKIY, K.A.; KOLOSOV, A.F.; KRIVOV, A.S.; KRYLOV, R.M.; LEVITAS, A.G.; MALYGIN, M.A.; MORALEVICH, Yu.A.; MOTYLEV, A.S.; NESTEROV, M.V.; NIKOL'SKIY, A.V.; ORLOV, G.M.; ORLOV, Ya.L.; PARENSKIY, V.M.; POLYAKOV, A.S.; RUBIN, V.I.; SVANIDZE, K.N.; STRIGIN, I.A.; TAKOYEV, K.F.; TRUBNIKOV, S.V.; CHERNYSHEVA, L.N.; CHESNOKOV, N.Ye.; SHAMBERG, V.M.; STRUMILIN, S.G., akademik, red.; ANTOSENKOVA, L., red.; MIKAELYAN, E., red.; MUKHIN, Yu., tekhn.red.

[Dictionary of the seven-year plan from A to Z] Slovar' semiletki ot A do IA. Moskva, Gos.izd-vo polit.lit-ry, 1960. 397 p.
(MIRA 13:7)

(Russia--Economic policy)

MOLOCHNOV, G.V.; GREBENNIKOV, G.M.

Comparison of the inductive method and the dipole electromagnetic method on a thin conducting membrane (on a model). Uch.zap.LGU no.303:129-134 '62. (MIRA 15:11)
(Electromagnetic prospecting—Models)

GREBENNIKOV, I.

Reorganize the management of grain procurement stations. Muk.-elev. prom. 24 no.1:9-11 Ja '58. (MIRA 11:2)

1.Dnepropetrovskoye oblastnoye upravleniye khleboproduktov.
(Grain elevators)

GREBENNIKOV, L.S.; KOSTYUCHENKO, E.V.

Filtration of rock-fill dams on the Shamsi and Alamedin Rivers. Izv.AN Kir. SSR. Ser. est. i tekh. nauk 5 no.3:103-114 '63. (MIRA 16:11)

GRIBENNIKOV, M.L.

Wet sandblast cleaning. Vest.mash.35 no.11:60-62 N '55.
(Sandblast) (MLRA 9:2)

GREBENNIKOV, N., inzh.

Mechanized loading of grain into railroad cars ("Car loaders" by S.A.Karabanov, V.A.Ponomarev). Reviewed by N.Grebennikov. Muk.-elev.prom. 25 no.7:3 of cover Jl '59.
(MIRA 12:11)

1. Moskovskoye gorodskoye upravleniye khleboproduktov.
(Grain-handling machinery)

GRIBENNIKOV, N.

24203 GRIBENNIKOV, N. Polnost'yu likvidirovat' chesotku ovets. Karakulevodstvo i zverovodstvo, 1949, No. 4, S. 73-74.

SO: Letopis, No. 32, 1949.

GREBENNIKOV, N. I.

USSR/Engineering - Computing Allowances

Card : 1/1

Authors : Grebennikov, N. I.

Title : A method for computation of constructional tolerances for a series of linear dimensions.

Periodical : Stan. i instr., 3, 22 - 26, Mar 1954

Abstract : A method is discussed for the computation of constructional tolerances for a series of linear dimensions of fitting parts of a machine. The method, based on the theory of probabilities, gives, instead of maximum - minimum values, the best values with respect to the real ones. The derivation of computation formulas are carried out. A table, and an example of the computation, are also given.

Institution : ....

Submitted : ....

GREBENNIKOV, N.I., inzhener.

Need for a supplement to specifications for assembly drawings. Standartizatsiia no.5:70-71 S-O '54. (MLRA 8:2)
(Mechanical drawing--Standards)

GREBENNIKOV, N. I.

USSR/Engineering - Tolerances

Card 1/1 Pub. 103 - 8/22

Authors : .....

Title : Method of calculating structural tolerances in linear dimensional circuits

Periodical : Stan. i instr. 12, page 21, Dec 1954

Abstract : Comments by various experts regarding the report by N. I. Grebennikov entitled, "Method of Calculating Structural Tolerances in Linear Dimensional Circuits," are presented in order of their reception by the editor of the journal.

Institution : .....

Submitted : .....

GREBENNIKOV, N.I.

GREBENNIKOV, N.I., starshiy konstruktor

Depicting bolts and nuts on assembly blueprints. Standartizatsiia no.3:78-79 My-Je 55. (MLRA 8:10)
(Blueprints) (Bolts and nuts)

GHERGNNIKOV, N.I., inzhener.

Rules for blueprint dimensioning and denoting tolerances. Standartizatsiia no.6:61-62 N-D '55. (MLRA 9:2)
(Blueprints--Standards) (Mechanical drawing)

ABDRASHITOV, Rasim Mubarakshevich, kand. tekhn. nauk; GREBENNIKOV, Nikolay Ivanovich, inzh.; RAYBMAN, Naum Samoylovich, kand. tekhn. nauk; MIL'GRAM, Yu.G., doktor tekhn. nauk, retsenzent; YELISEYEV, M.S., red. izd-va; UVAROVA, A.F., tekhn. red.

[Precision analysis in the manufacture of calculating machines; mechanical units and devices of mechanical and electronic calculating machines] Tochnostnye raschety v schetnom mashinostroenii; mekhanicheskie uzly i ustroistva mekhanicheskikh i elektronnykh vychislitel'nykh mashin. Moskva, Mashgiz, 1961. 252 p. (MIRA 14:10)
(Calculating machines) (Electronic calculating machines)

GREBENNIKOV, N.I.

Improving the design of guide conduits. Sbor. rats. predl. vnedr. v proizv. no.2:23-24 '61. (MIRA 14:7)

1. Magnitogorskiy metallurgicheskiy kombinat.
(Rolling mills)

L 10877-67 EWT(1) SCTB DD

ACC NR: AP6035944 (N) SOURCE CODE: UR/0413/66/000/020/0214/0214

INVENTOR: Grebennikov, N. P.; Valiulin, A. Z.

ORG: none

TITLE: Training device for swimmers. Class 77, No. 187577

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 20, 1966, 214

TOPIC TAGS: training equipment, training, potentiometer, liquid flow, hydraulic pump

ABSTRACT: An Author Certificate has been issued for a training device for swimmers. It is a basin with a closed running-water channel containing a hydraulic pump, which controls the flow rate in the basin. The stream's rate of flow is regulated by a flow sensor attached to the swimmer and consisting of a small cable joined to a coil with a spring which activates the slide bar of a potentiometer regulating the rpm of the pump's motor. Flor distribution grids insure an even rate of water flow through its cross section and are situated at the entrance and exit of the basin. Orig. art. has: 1 figure. [Translation] [N-67-2]

Card 1/2 UDC: 685.734

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