

ZVEREVA, V.A.

Use of short-wave ultraviolet radiation in work rooms of
the V.I.Lenin All-Union State Library. Uch.zap. Mosk.nauch.
issl.inst.san.i gig no.4:51-52 '60 (MIRA 16:11)

Survival of intestinal microbes and staphylococci in cottage
cheese kept in refrigerators for long periods at sub-zero
temperatures. Ibid.:57-59.

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ZVEREVA, V.A.

Karst and caves in the Southern Urals; annotated bibliographical
index of the Russian literature, 1918-1960. Nov.kar.1 spel. no.3:
87-94 '63. (MIRA 16:10)

Formation and decomposition of austenite in cold-rolled transformer steel. Fiz. met. i metalloved. 19 no.6:926-929 Je '68. (MIRA 18:7)

1. Nauchno-issledovatel'skiy institut metallurgii, Chelyabinsk.

KALINA, G.P.; DIANOVA, Ye, V.; BUGROVA, V.I.; KRYLOVA, M.D.; PONOMAREVA, Ye. P.;
STEPANENKO, V.K.; ZVEREVA, V.A.

Problems of sanitary bacteriology. Uch. zap. Kazansk. univ. Ser. Biol. i med. nauki.
i gig. no. 4: Frontpage '60 (MIRA 16:11)

Behavior of dysentery bacteria in an external medium. Ibid.: 5-10

ZVEREVA, V.A.; BELYAYEVA, T.N.

Dutch cheese as a possible source of food poisoning of a
staphylococcal nature. Uch.zap. Mosk. nauch. issl. inst.
san. i gig. no.4:53-56 '60 (MIRA 16:11)

*

S/279/63/000/001/011/023
E075/N452

AUTHORS: Gershman, R.B., Belikov, A.M., Zvereva, V.A.,
Vasil'yeva, S.V. (Chelyabinsk)

TITLE: Curie points of cementite after isolation from alloy
steels

PERIODICAL: Akademiya nauk SSSR, Izvestiya. Otdeleniya
tehnicheskikh nauk. Metallurgiya i gornoye delo.
no.1, 1963, 119-120

TEXT: Since the magnetic properties of isolated alloyed
cementite have not been adequately studied and existing literature
data are contradictory, the authors determined the Curie points of
cementite isolated from seven alloy steels (composition given).
The steels were induction melted and the ingots forged into rods
from which specimens were prepared. The specimens were homogenized
and hardened from 950 or 1300°C in a 10% potassium hydroxide
aqueous solution or oil. Each type of steel was annealed by
5 to 6 different methods to obtain the maximum content of the alloy
element in cementite. The cementites were isolated electrolytic-
ally. The proportions of the alloying elements in the carbide
residues were determined chemically and the amounts dissolved in a
Card 1/2

S/279/63/000/001/011/023
E075/E452

Curie points of cementite ...

given carbide were determined from changes in volume of the elementary lattice or from the spacing. The effect of temperature on the magnetization of carbide powder was determined with a magnetic balance in fields far removed from saturation. It was found that the Curie point of the cementite was not changed by alloying the steel with nickel, niobium or vanadium. Alloying the steel with tungsten somewhat lowered the Curie point temperature. Alloying the steel with molybdenum reduced it still more. Vanadium, when dissolved in cementite in large quantities, caused a very marked decrease in the Curie point temperature. There are 1 figure and 2 tables.

SUBMITTED: April 24, 1962

INVENTOR: Simonov, V. D.; Shakirova, A. M.; Savin, V. P.; Zvereva, V. V.; Romanovich, V. I.; Naumkin, P. V.

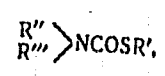
ORG: none

TITLE: Preparation of thiolcarbamates. Class 12, No. 186437 [announced by Ufa Branch of the All-Union Scientific Research Institute of Chemicals for Plant Protection (Ufimskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta khimicheskikh sredstv zashchity rasteniy)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 19, 1966, 26

TOPIC TAGS: thiolcarbamate, carbamic acid, ^{organic} salt, alkyl halide, halide ..

ABSTRACT: In the proposed method for preparing thiolcarbamates of the general formula



(where R', R'', and R''' are saturated alkyls) by the reaction of salts of thiocarbamic acid with alkyl halides on heating, saturated alkyl halides are used as the alkylation reagents and the process is conducted

ACC NR: AP6035677

at 100--130°C, 5--10 atm in an inert solvent, e.g., petroleum ether.
[W.A. 50]

SUB CODE: 07/ SUBM DATE: 09Nov65

ZVEREVA, Ye.A.; GUREYEV, V.F.

Geology and formation characteristics of the weathering
surface of a carbonate massif. Kora vyvetr. no.6:187-
194 '63. (MIRA 17:9)

1. Tsentral'nyy nauchno-issledovatel'skiy gornorazvedochnyy
institut tsvetnykh redkikh i blagorodnykh metallov, Moskva.

GODLEVSKIY, M.N., doktor geol.-mineral. nauk; ZVEREVA, Ye.A.;
PISEMSKIY, G.V.

Il'ia Isaakovich Ginzburg, 1881?-1965; an obituary.
Zap. Vses. min. ob-va 94 no.5:621-622 '65. (MIRA 18:11)

1. Deystvitel'nyy chlen Vsesoyuznogo mineral'nogo obshchestva
(for Godlevskiy).

BUGEL'SKIY, Yu.Yu.; VITOVSKAYA, I.V.; GODLEVSKIY, M.N.; ZVEREVA, Ye.A.; KORIN,
I.Z.; NIKITIN, K.K.; NIKITINA, A.P.; PISEMSKIY, G.V.; SAPOZHNIKOV, D.G.;
SOKOLOV, G.A.; CHUKHROV, F.V.; SHCHERBAKOV, D.I.; KDEL'SHTEYN, I.I.;
YANITSKIY, A.A.

Il'ia Isaakovich Ginzburg, 1882?-1965; obituary. Geol.rud.mestorozh.
7 no.4:109-110 JI-Ag '65. (MIRA 18:8)

ZVEREVA, Ye. A., Cand Agr Sci -- (diss) "Differentiation of methods in land-reclamation work in salt swamps with different upper-level fertility." Moscow, 1960. 20 pp; (All-Union Order of Lenin Academy of Agricultural Sciences im V. I. Lenin, All-Union Scientific Research Inst of Fertilizers and Agro-soil science, VIUA); 150 copies; price not given; (KL, 17-60, 163)

GOLUBEV, D.B.; CHEBOTAREV, Ye.N.; VASILETS, I.M.; ANSENOV, O.A.;
ZVEREVA, Ye.P.

Changes in the membrane permeability of tissue culture cells
during the reproduction of viruses. Tsitologiya 7 no.3:356-365
My-Je '65. (MIRA 18:10)

1. Laboratoriya virusnykh preparatov Instituta vektora i
syvorotok i laboratoriya biokhicheskoy genetiky Instituta
eksperimental'noy meditsiny AMN SSSR, Leningrad.

GOLUBEV, D.B.; ZUBZHITSKIY, Yu.N.; ZVEREVA, Ye.P.; SIMANOVSKAYA, V.K.;
LIPINA, N.V.; YABROV, A.A.

Change in cellular permeability in the process of symplasm
formation induced by some viruses in the tissue. Vop. virus.
10 no.5:544-550 S-0 '65. (MIRA 18:11)

1. Nauchno-issledovatel'skiy institut vaktsin i syvorotok
i Institut eksperimental'noy meditsiny AMN SSSR, Leningrad.

ACCESSION NR: AT4028301

S/2667/63/000/024/0066/0091

AUTHOR: Guterman, I. G.; Dunayova, S. I.; Zvereva, Ya. P.; Marchenko, A. S.

TITLE: Climatic characteristics of the wind in a model of the standard atmosphere

SOURCE: Moscow. Nauchno-issledovatel'skiy institut aeroklimatologii. Trudy*, no. 24, 1963, 66-91

TOPIC TAGS: standard atmosphere, meteorology, climatology, wind, wind velocity, wind direction, troposphere, stratosphere

ABSTRACT: A method has been developed for processing aerological observations for a 10-year period (1950-1959) to the 30-mb isobaric surface for the determination of wind characteristics, averaged over large regions and the hemisphere. The determined characteristics are recommended as the first variant of a model of a standard atmosphere for the northern hemisphere. Wind parameters were determined for January, for July and for the year to a height of 25 km. The principal parameters used for this model were the mean scalar velocity of the wind for the month and the year and the resultant wind vector (value and direction). Both characteristics were determined using data for 200 stations, a total of 470,000 observations, processed by electronic computer. Principles and methods employed in this study are described fully. The many difficulties in handling this complex problem

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ACCESSION NR: AT4028301

are discussed. Wind parameters are summarized and analyzed for six geographic regions within which the character of wind distribution can be considered homogeneous in the first approximation. Nonuniformity of station distribution and decreasing number of observations at greater heights are taken into account. In this process data were averaged for 206 equal-area squares in the northern hemisphere. The six regions for which data are generalized are: polar regions; Europe and part of Asia; North America and the North Atlantic; North Africa and Central Asia; North Pacific Ocean and the Far East; and the equatorial and tropical regions. The following section headings indicate the nature of the development of the paper: Introduction; characteristics of the data used; principal geographic regions defined for the purpose of description of wind over the northern hemisphere; the wind vector as a random value; determination of the climatic characteristics of the wind; general principles for determining mean parameters for regions and the hemisphere; averaging data for stations; averaging data for regions and the hemisphere; determination of wind characteristics for standard heights; practical computation of derivatives of wind parameters at standard heights. Orig. art. has: 29 formulas, 11 figures and 3 tables.

ASSOCIATION: Nauchno-Issledovatel'skiy Institut aeroklimatologii, Moscow
(Scientific Research Institute of Aeroclimatology)

Card 2/3

ACCESSION NO: AF402830, September 26, 2002 CIA-RDP86-00513R002065710012-7
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065710012-7"

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OTHER: 007

Card 3/3

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BOOK EXPLOITATION

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(47+37)

Zvereva, Ye. P.

34
BT

Interdiurnal variability of pressure, temperature and winds over the U.S.S.R.
(Mezhdusutochnaya izmenchivost' davleniya, temperatury i vetra nad SSSR) Leningrad,
Gidrometeoizdat, 1964. 0081 p. illus., biblio. 630 copies printed. (At head of
title: Glavnoye upravleniye gidrometeorologicheskoy sluzhby pri Sovete Ministrov
SSSR) Moscow. Nauchno-issledovatel'skiy institut aeroklimatologii. Trudy vyp. 22

TOPIC TAGS: atmospheric temperature, wind direction, climatology, atmospheric
pressure, wind velocity, troposphere, weather map, diurnal variation

PURPOSE AND COVERAGE: The book examines the distribution peculiarities of absolute
interdiurnal variations in temperature, pressure, wind velocity and direction at
different levels of troposphere over the USSR. Maps of interdiurnal variations
are included. They contain elements of four central seasonal months, which give
a picture of the peculiarities of seasonal and geographical variations. The book
is intended for scientific and operative workers in meteorology and aeroklimatology.

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AM5009856

Data on variations in meteorological elements can also be used in various calculations of aerial navigation.

TABLE OF CONTENTS (abridged):

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Ch. II. Interdiurnal pressure variation over the USSR - - 22

Ch. III. Interdiurnal temperature variation over the USSR - - 43

Ch. IV. Interdiurnal wind velocity and direction variations over the USSR - - 57

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SUB CODE: ES

SUBMITTED: 27 May 64

NR REF SOV: 017

OTHER: 013

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ed.
[Day-to-day variations in pressure, temperature and wind over the
U.S.S.R. Mezhdusutochnaia izmenchivost' davleniia, temperatury i
vetra nad SSSR. Leningrad, Gidrometeoizdat, 1964. 81 p. (Moscow.
Nauchno-issledovatel'skii institut aeroklimatologii. Trudy, no.22).

(MIRA 17:10)

ZVEREV, N.I.; ZVEREVA, Ye.P.

Statistical analysis of the effect of various layers of the
troposphere on changes of pressure at the earth's surface.

Trudy TSIP no.139:59-66 '65.

(MIRA 18:6)

ZVEREVA, Ye.S.; ROGOV, A.I.

Moscow conference of readers of this periodical. Med. sestra 20
no.10:60 0 '61. (MIRA 14:12)

(NURSES AND NURSING---PERIODICALS)

ZVEREVA, Ye.S., meditsinskaya sestra (Moskva)

Procedure of the distribution of medicine and fulfillment of
assignments. Med.sestra 21 no.10:55 0 '62. (MIRA 16:4)
(NURSES AND NURSING)

VOLOSHCHUK, V.U.; TRIFONOVA, R.G.; ZVEREVA, Ye.V.; TARNAVSKIY, A.L.;
ASHURKINA, Ye.M.; IVANOV, V.P.

New developments in research. Stal' 23 no.9:858 S '63.
(MIRA 16:10)

SOV/81-59-16-58481

Translation from: Referativnyy zhurnal. Khimiya, 1959, Nr 16, pp 407-408 (USSR)

AUTHORS: Nikolayeva, V.G., Zvereva, Ye.V.

TITLE: The Intensified Investigation of Kerosene-Gas Oil Fractions of Direct Distillation and Catalytic Cracking

PERIODICAL: V sb.: Sostav i svoystva neftey i benzino-kerosinovykh fraktsiy. Moscow, AN SSSR, 1957, pp 467-497

ABSTRACT: Kerosene-gas oil fractions of 200 - 350°C of Romashkino Devon petroleum (R), 200 - 400°C of Tuymazy Devon petroleum (T) and gas oil of catalytic cracking of Romashkino petroleum (C) were investigated by a combination of the methods of exact rectification, deparaffination by carbide, chromatography on SiO₂, catalytic dehydrogenation and structure-group analysis of narrow fractions (with the application of infrared spectroscopy to n-paraffins). In R, 14% of n-paraffins and 38% of aromatic hydrocarbons (H) were found, in T-14 and 33%, respectively. The monocyclic and bicyclic aromatic H of both fractions contain naphthene rings and S-compounds. The total quantity of naphthenes in R is 19%, in T - 24% (8.8% six-membered naphthenes). In C 14% n-paraffins, 66% aromatic + unsaturated

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SOV/81-59-16-58481

The Intensified Investigation of Kerosene-Gas Oil Fractions of Direct Distillation and Catalytic Cracking

paraffins are contained (11.5% unsaturated). Mono-, bi-, tri- and polycyclic aromatic H have been found; the naphthene rings contain only monocyclic H, the S content reaches 5.4%. The content of naphthenes is 5 - 6% (in individual fractions 10 - 15%). The individual n-paraffins of all three fractions can be separated with a high degree of purity.

Ye. Pokrovskaya.

ZVEREVA, Ye.A.

Differentiation of cultivation measures applied for the improvement of various Solonetz soils. Dokl. Akad. sel'khoz. 23 no.10:35-41 '58. (MIRA 11:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut udobreniy i agropochvovedeniya. Predstavlena akademikom P.V. Baranovym. (Solonetz soils)

ZVEREVA, Ye.N.

Our experience in the preparation of the transition to
a seven-hour work-day. Tekst.prom. 20 no.5:9-10
Ky '60. (MIRA 13:8)

1. Direktor leningradskogo pryadil'no-nitochnogo kombinata
"Sovetskaya zvezda".
(Leningrad--Textile industry)
(Hours of labor)

ZVEREVICH, Ye.S.

**Drying generators in the power section of sugar refineries.
Sakh.prom.30 no.1:29-32 Ja '56. (MIRA 9:6)**

**1.Energoprodmontash.
(Electric generators)**

Ural'skoye sovetskoye po spektroye.
 Materialy 2 Ural'skogo sovetskoye po spektroye, Dzerzhinsk, 1958 g.
 (Materials of the Second Ural'sk Conference on Spectroscopy, held in Dzerzhinsk, 1958) Dzerzhinsk, Metallurgizdat, 1959. 206 p. Kresna 5119 1st
 series, 1,000 copies printed.

Sponsoring Agency: Ural'skoye filial' Leningrad'skoye SSSR. Komsomol'skoye po spektroye i analizu dlya dnykh laboratoriy.

Ed.: I. G. Pechenkin, Dzerzhinsk, 1st Deputy Dzerzhinsk'skoye Komsomol'skoye po spektroye i analizu dlya dnykh laboratoriy.

PARROTT: This collection of articles is intended for practical analysis laboratories workers at ferrous and nonferrous metallurgical plants, as for laboratory personnel of the metal-working industry, geological and prospecting organizations, and similar scientific research laboratories.

CHYZAKI: The collection contains papers read at the Second Ural'sk Conference on the spectral analysis of ferrous and nonferrous materials used in ferrous alloys, steel, pig-iron, sinter, and other materials. The articles are written by specialists of the Department of Physics, ferrometallurgy, control of steel, and light metal alloys, pure noble metals, etc. The present volume is intended to disseminate the latest experience in working with spectral laboratories, and to report on the results of scientific research. The author thanks N. I. Gorkhin and Yu. M. Zhuravlev, almost all of the articles are accompanied by illustrations.

KOMAR, A. A., and N. M. Sviridova. Spectral Analysis of Silvers-Gopper Alloys from a Standard of Silver and of Any Silver-Copper Alloy 116

KOROTKIY, A. A., I. I. GONTSOVA, and P. D. POGODINA. Methods of Preparing Standards for the Spectral Analysis of Sponty Iridium and Rhodium 123

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KOZLOVA, E. I., Ye. V. ZHUKOVA, M. B. SHCHERBA, and Ye. D. BAYDINOV. Spectrographic Determination of Niobium and Tantalum in Products of Ore Processing 175

PODOLYANSKIY, I. I. Application of Visual Spectroscopy Methods in the Analysis of Blasts, Ores, and Minerals 180

GOLITSIN, A. I. Experience in Operating the Spectral Laboratory of Geological Prospecting Party 184

KARAVAYEV, Ye. S., O. D. FRENKEL', and A. P. KOPYLOVA. Spectral Determination of Iridium and Germanium in Sublimates of Copper-Smelling Plants 185

GOLITSIN, A. I. Spectral Analysis of Bauxite and Alkaline Salts Used in the Heat Treatment of Steel Products 188

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Recommendations of the 2nd Ural'sk Conference on Spectroscopy 202

NIKOLAYEVA, V.G.; ZVEREVA, Ye.V.

Effect of the refining method on the hydrocarbon composition of fractions containing organic sulfur compounds. Khim.sera. i azotorg.soed. sod. v neft. i nefteprod. 3:397-405 '60. (MIRA 14:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti i gaza i polucheniyu iskusstvennogo zhidkogo topliva.
(Petroleum--Refining) (Hydrocarbons) (Sulfur organic compounds)

S/081/61/000/C19/064/085
B117/B110

AUTHORS: Nikolayeva, V. G., Zvereva, Ye. V.

TITLE: Effect of refining processes on the hydrocarbon composition of fractions containing organic sulfur compounds

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 19, 1961, 421, abstract 19M155 (Sb. "Khimiya sera- i azotorgan. soyedineniy, soderzhashchikhsya v neft'yakh i nefteproduktakh". Ufa, v. 3, 1960, 397 - 405)

TEXT: Fractions of monocyclic and bicyclic aromatics which were separated from gas oil obtained by direct distillation and by catalytic cracking, were purified from sulfur compounds by adsorption on ACK (ASK) silica gel. Refining was conducted by two methods: (a) oxidation with H_2O_2 in acetic medium, (b) by hydrogenation on an aluminum - cobalt - molybdenum catalyst. Aromatic hydrocarbons were oxidized within 8 hr at 70°C. The total content of aromatic hydrocarbons in the fractions proved to be unchanged after refining by oxidation. The number of aromatic rings calculated by the method $n = d - M$ was somewhat reduced, especially as regards bicyclic aromatics. The elementary composition of oxidized organic sulfur compounds
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Effect of refining...

S/091/61/000/019/064/085
B117/B110

was studied. Hydrogenation of the benzene cycle in hydrogenative refining of monocyclic aromatic hydrocarbons was not noticed on the aluminum - cobalt - molybdenum catalyst at an initial H_2 pressure of 70 atm and a temperature of 350°C. In hydrogenative refining of bicyclic aromatics considerable amounts of tetralin derivatives were obtained. [Abstracter's note: Complete translation]

KRAVTSOV, V.I.; ZVEREVICH, G.V.

Galvanostatic study of the processes of electrodeposition and
anodic solution of zinc in zinc perchlorate solution. Vest.
LGU. 18 no.16:103-109 '63. (MIRA 16:11)

ACCESSION NR: AT4043065

S/2834/63/042/003/0025/0034

AUTHOR: Maslenitskiy, I. N., Zverevich, N. V.

TITLE: Amalgamation of Fe-Ni alloys

SOURCE: Leningrad. Gorny*y institut. Zapiski, v. 42, no. 3, 1963. Khimiya, metallurgiya, obogashcheniye (Chemistry, metallurgy, ore concentration), 25-34

TOPIC TAGS: nickel iron alloy, permalloy, kovar, alloy EI996, platinum, Armco iron, nickel iron alloy amalgamation, zinc amalgam, alloy surface wettability, oxide film effect, amalgamation

ABSTRACT: Amalgamation of Permalloy, Kovar (18% Co, 29% Ni, 53% Fe), alloy EI996 (2% Be, 98% Ni), platinum and "Armco" iron was studied by measuring wettability by mercury under various conditions calculated to prevent formation of oxide films. These included hydrogen reduction of the test plates and wetting under an acid layer following electrolytic reduction of oxide films. Surface preparation and experimental techniques are described. Other experiments involved effects of temperature, environment, hydrogen pressure and the Hg-Pd contact period on solubility of Pd coatings in mercury, as well as the wetting of these metal and alloy surfaces by zinc, ammonium and sodium amalgams. The results indicate that amalgamation of iron-nickel alloys cannot be effected

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by standard methods, as wetting of the metal surface by mercury is obstructed by the instantaneous formation of oxide films. Hydrogen reduction of oxides was ineffective due to immediate reoxidation and even contacts in a hydrogen atmosphere did not insure good results in most cases. However, exposure of the metal surface to zinc amalgam in an acid medium insured good amalgamation. Orig. art. has 1 table, 5 graphs, 3 chemical equations and 1 diagram.

ASSOCIATION: Leningradskiy ordenov Lenina i Trudovogo Krasnogo Znameni gornyy institut im. G. V. Plekhanova (Leningrad Mining Institute)

SUBMITTED: 00

ENCL: 00

SUB CODE: MM

NO REF SOV: 005

OTHER: 006

Card

2/2

MASLENTSKIY, I.N.; ZVEREVICH, N.V.

Amalgamation of iron-nickel alloys. Zap. IGI 4:2 no.3:
25-34 '63.

(MIRA 17:10)

ZVEREVICH, N., inzh.-podpolkovnik

Evaluating the piloting skill. Av. i kosm. 47 no.4160-61 Ap '65.
(MIRA 18:4)

MASLENITSKIY, I.N.; ZVEREVICH, N.V.

Hydrometallurgical separation of metallized copper-nickel
matte. Tsvet. met. 38 no.1s46-47 Ja '65 (MIRA 18:2)

ANDREYEV, Sergey Yefimovich; ZVEREVICH, Viktor Vladimirovich; PEROV,
Valentin Aleksandrovich; VERKHOVSKIY, I.M., prof., retsenzent;
PREYGERZON, G.I., dots., retsenzent; KUDENKO, K.G., dots.,
retsenzent; OLEVSKIY, V.A., kand. tekhn. nauk, retsenzent;
RYKOV, N.A., otv. red.; GARBER, T.N., red. izd-va; IL'INSKAYA,
G.M., tekhn. red.

[Crushing, milling, and screening minerals] Droblenie, izmel'-
chenie i grokhochenie poleznykh iskopaemykh. Moskva, Gosgor-
tekhizdat, 1961. 384 p. (MIRA 15:9)
(Ore dressing)

ANDREYEV, Sergey Yefimovich; ZVEREVICH, Viktor Vladimirovich; PEROV, Valentin Aleksandrovich; VERKHOVSKIY, I.M., prof., retsenzent; FREYGERZON, G.I., dots., retsenzent; RUDENIKO, K.G., dots., retsenzent; OLEVSKIY, V.A., kand. tekhn. nauk, retsenzent; RYKOV, N.A., otv. red.; GARBER, T.N., red. izd-va; IL'INSKAYA, G.M., tekhn. red.

[Crushing, milling, and screening of minerals] Droblenie, izmel'chenie i grokhochenie poleznykh iskopaemykh. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po gornomu delu, 1961. 384 p.
(MIRA 15:3)

(Ore dressing)

PARAIL, Vladimir Alekseyevich, kand. tekhn. nauk, dotsent; PODZOLOV,
Richard Georgiyevich, starshiy nauchnyy sotrudnik; ZVEREVICH,
Vitaliy Yevgen'yevich, aspirant

Creepate of an asynchronous short-circuited motor caused by
additional rectified current feed. Izv. vys. ucheb. zav.;
elektromekh. 8 no.1:48-54 '65.

(MIRA 18:3)

1. Prorektor Odesskogo politekhnicheskogo instituta (for Parail).
2. Odesskiy politekhnicheskii institut.

BATIASHVILI, I.D.; BEY-BIYENKO, G.Ye.; BOGDANOV-KAT'KOV, N.N.; GERASIMOV,
B.A.; GILYAROV, M.S.; DMITRIYEV, G.V.; ZVEREZOMB-ZUBOVSKIY, Ye.V.;
ZIMIN, L.S.; KOLOBOVA, A.N.; MEDVEDEV, S.I.; MISHCHENKO, A.I.;
PETROV, A.I.; RYABOV, M.A.; SAVZDARG, E.E.; SELIVANOVA, S.N.;
SKORIKOVA, O.A.; TROPKINA, M.F.; SHAPOSHNIKOV, G.Kh.; SHCHEGOLEV,
V.N., prof., doktor sel'skokhoz.nauk; ESTERBERG, L.K.; YAKHONTOV,
V.V.; REUTSKAYA, O.Ye., red.; CHUNAYEVA, Z.V., tekhn.red.

[Classification of insects on the basis of damage to crops] Opre-
delitel' nasekomykh po povrezhdeniyam kul'turnykh rastenii. Izd.4,
perer. i dop. Leningrad, Gos.izd-vo sel'khoz.lit-ry, 1960. 607 p.
(MIRA 14:1)

(Insects, Injurious and beneficial)

ZVEREV, Ye.N., starshiy nauchnyy sotrudnik; PETRUKHA, Ye.I., kand. biolog.nauk; POZHAR, Z.A., kand.sel'skokhoz.nauk; SHEVCHENKO, V.N., kand.sel'skokhoz.nauk; BUTOVSKIY, A.P., starshiy nauchnyy sotrudnik, spetsialist entomolog i fitopatolog; GROMAKOV, F.M., starshiy nauchnyy sotrudnik, spetsialist entomolog i fitopatolog [deceased]; MARKOV, F.I., kand.biolog.nauk, spetsialist entomolog i fitopatolog; FUCHKOV, V.G., kand.biolog.nauk, spetsialist entomolog i fitopatolog; PALIY, V.F., doktor biolog.nauk, spetsialist entomolog i fitopatolog; POLEVOY, V.V., starshiy nauchnyy sotrudnik, spetsialist entomolog i fitopatolog; SHMELEVA, V.A., kand.biolog.nauk, spetsialist entomolog i fitopatolog; ZVEREZOMB-ZUBOVSKIY, Ye.V., prof., doktor sel'skokhoz.nauk; KORAB, I.I., prof., doktor sel'skokhoz.nauk; MOROCHKOVSKIY, S.F., prof., doktor biolog.nauk; MURAV'YEV, V.P., prof.; SALUNSKAYA, N.I., kand.biolog.nauk; SAVCHENKO, Ye.N., red.; ZUBAREV, A.S., khudozh.-tekhn.red.

[Sugar beet growing] Sveklovodstvo. Izd.2., perer. i dop. Kiev, Gos.izd-vo sel'khoz.lit-ry.USSR. Vol.3. Pt.1. [Sugar beet pests and their control] Vrediteli sakharnoi svekly i mery bor'by s nimi. Pt.2. [Sugar beet diseases and their control] Bolezni sakharnoi svekly i mery bor'by s nimi. 1959. 642 p. (MIRA 12:11)

(Continued on next card)

ZHITKEVICH, Ye.M.---(continued) Card 2.

1. Kiyev. Vsesoyuznyy nauchno-issledovatel'skiy institut sakharnoy svekly.
2. Vsesoyuznyy nauchno-issledovatel'skiy institut sakharnoy svekly (for Zhitkevich, Petrukha, Pozhar, Shevchenko).
3. Uladovo-Iyulinetskaya opytno-selektatsionnaya stantsiya Vsesoyuznogo nauchno-issledovatel'skogo instituta sakharnoy svekly (for Butovskiy).
4. Ivanovskaya opytno-selekts.stantsiya Vsesoyuznogo nauchno-issledov.instituta sakharnoy svekly (for Gromakov).
5. Kurgizskaya opytno-selekts.stantsiya Vsesoyuznogo nauchno-issledov.instituta sakharnoy svekly (for Markov, Polevoy).
6. Veselopodolyanskaya opytno-sel..stantsiya Vsesoyuznogo nauchno-issledov.instituta sakharnoy svekly (for Puchkov).
7. Ramenskaya opytno-selekts.stantsiya Vsesoyuzn.nauchno-issledov.instituta sakharnoy svekly (for Paliy).
8. Pervomayskaya opytno-selekts.stantsiya Vsesoyuznogo nauchno-issledov.instituta sakharnoy svekly (for Shmeleva).
9. Chleny-korresp. AN USSR (for Zverezomb-Zubovskiy, Murav'yev).
(Sugar beets--Diseases and pests)

ZVEREZOMB-ZUBOVSKIY, Ye.V.; TELENOA, N.A., professor.

V.P.Pospelov's role in developing biological control methods for harmful insects of the U.S.S.R. Nauch.trudy Inst.ent.i fit. 2:7-11 '50. (MIRA 9:2)

1.Chlen-korrespondent Akademii nauk Ukrainekey SSR (for Zverezomb-Zubovskiy.
(Insects, Injurious and beneficial--Biological control)

ZVEREZOMB-ZUBOVSKIY, Ye.V.

Phytoncides and plant protection. Nauch.trudy inst.ent.i fit.
no.4:173-187 '53. (MIRA 9:4)

1.Chlen-korrespondent AN USSR.
(Phytoncides) (Plants, Protection of)

ZVEREZOMB-ZUBOVSKIY, Ye.V.

I.I. Mechnikov and A.O. Kovalevskii and plant protection.
Zashch. rast. ot vred. i bol. 6 no.11:59-61 N '61.
(MIRA 16:4)

1. Chlen-korrespondent AN UkrSSR.
(Mechnikov, Il'ia Il'ich, 1845-1916)
(Kovalevskii, Aleksandr Onufrievich, 1840-1901)
(Plants, Protection of)

ZVERIK, A., instruktor-aviamodelist

Airplane model propeller made of plastic. Kryl.rod. 11 no.71
27-28 Ji '60. (MIRA 13:7)
(Propellers, Aerial--Models)

CZECHOSLOVAKIA

V. SKORPIL and E. ZVERINA, Neurosurgical Clinic Faculty General Medicine
Charles University in Prague.

"Conduction Speed in Cranial Nerves in Man."

Prague, Ceskoslovenska Neurologie, Vol 26(59), No 3, May 63; pp 152-155.

Abstract [English summary modified]: Stimulation electromyography of
facial nerve revealed conduction speed to be 42 ± 4 (40-50) m/sec for m.
frontalis, 43 ± 4 (34-46) for m. zygomaticus; of accessory spinal nerve
 71 ± 11 (50-89) for m. trapezius and of hypoglossal 57 ± 12 (40-75) for
the lingual muscles. Two electromyograms and diagram showing placements
of stimulating and recording electrodes for each of the 3 cranial nerves
studied. Three references: US thesis, British, Czech.

1/1

SKORPIL, V.; ZVERINA, E.

The rate of conduction in the cranial nerves in man. Gesk.
neurol. 26 no.3:152-156 My '63.

1. Neurochirurgická klinika fakulty všeobecného lékařství KU
v Praze, přednosta prof. dr. Z. Kunc.
(FACIAL NERVE) (ACCESSORY NERVE)
(HYPOGLOSSAL NERVE)

SKORPIL, V.; ZVERINA, E.

Quantitative evaluation of denervation fibrillations in
electromyography with an electronic impulse counter. Cesk.
neurolog. 26 no.3:157-159 My '63.

1. Neurochirurgická klinika fakulty všeobecného lékařství KU
v Praze, přednosta prof. dr. Z. Kunc, DrSc.
(ELECTROMYOGRAPHY) (MYONEURAL JUNCTION)

CZECHOSLOVAKIA

V. SKORPIL and E. ZVERINA, Neurosurgical Clinic of Faculty of General Medicine of Charles University, Prague (Neurochirurgická klinika fakulty všeobecného lékařství Karlovy University) Head (prednosta) Prof Dr Z. KUNC, DrSc; Prague.

"Quantitative Evaluation of Denervation Fibrillations in Electromyography by Means of an Electronic Impulse Counter."

Prague, Ceskoslovenska Neurologie, Vol 26(59), No 3, May 63; pp 157-159.

Abstract [English summary modified]: Needle-electrode direct stimulation of 23 denervated muscles in 16 patients with lesions of peripheral neurons 2.5 months to 6 years after denervation with electronic counter to define fibrillations quantitatively in time. Impulse, amplitude and frequency varied generally being highest immediately after needle insertion, decreasing then rapidly. One diagram, 1 Western and 8 Czech (including 1 unpublished, senior author's 1962 thesis) references.

SKORPIL, VL.; VLADYKOVA, J.; ZVERINA, E.

The significance of electromyography of the oculomotor muscles for clinical practice, Cesk. oftal. 19 no.3:166-170 My '63.

1. Neurochirurgická klinika fakulty všeobecného lékařství KU v Praze, přednosta prof. dr. Z. Kunc, DrSc. Oční oddělení UVN v Praze, vedoucí doc. dr. V. Jensi.

(ELECTROMYOGRAPHY) (OCULOMOTOR MUSCLES)
(PERIPHERAL NERVE DISEASES) (MYONEURAL JUNCTION)
(MUSCULAR DISEASES)

SKORPIL, V.; ZVERINA, E.

Research on the conduction velocity of the ulnar nerve in man during general hypothermia. *Cesk. neurol.* 27 no.6:361-365 N '64.

1. Neurochirurgická klinika fakulty všeobecného lékařství Karlovy University v Praze, (prednosta dr. Z. Kund. DrSc.).

METELKA, M.; SKORPIL, V.; ZVERINA, E.; CERNA, J.

On the surgical treatment of facial nerve paralysis with the use
of tissue adhesives. Cas. lek. cesk. 102 no.44:1216-1219 1 N '63.

1. Neurochirurgická klinika fakulty všeobecného lékařství KU v
Praze; Ústřední vojenská nemocnice, (prednosta prof. dr. Z. Kunc,
DrSc.) a Fyziatické oddelení UVN v Praze, naceľnik MUDr. V.
Stastny.

*

SKORPIL, V.; ZVERINA, E.

Possibilities of the quantitative evaluation of EMG activity
with an electronic impulse counter in clinical practice. Cas.
lek.cesk. 103 no.6:152-156 7 Mr'64

1. Neurochirurgická klinika FVL KU Praha-Stresovice; pred-
nosta: prof.dr. Z.Kunc.

*

CZECHOSLOVAKIA

SKORPIL, V. and ZVERINA, E., Clinic of Neurosurgery (Neurochirurgická klinika), Faculty of General Medicine (Fakulta všeobecného lékařství), Charles University, Prague, Prof. Dr. Z. KUNC, Dr of Sciences, director.

"A Method of the EMG Evaluation of Peripheral and Central Mechanisms of Motor Recovery in Anastomosis of the Facial and Hypoglossal Nerves."

Prague, Ceskoslovenska Neurologie, Vol XXVI(LIX), No 5, September 63, pp 317-320.

Abstract [Authors' English summary]: A method is described of the quantitative electromyographic evaluation of motor activity in the facial muscles after anastomosis of the seventh and twelfth cranial nerves, by which it is possible to assess the motor reinnervation and relation of the peripheral and central factors in the resulting recovery after anastomosis. The method is graphically demonstrated in two cases. Six references, including 5 Czech.

SKORPIL, V.; ZVERINA, E.

Some electrophysiological findings in disk lesions. Cesk.
neurolog. 27 no.5:281-284 S '64.

1. Neurochirurgická klinika fakulty všeobecného lékařství
Karlovy University v Praze, (prednosta prof. dr Z. Kunc, Dr.Sc.)

ZVERINA, Karel, inz. chemie; TURNWALD, Jan, promovany chemik

Small recuperative tanks as new glass melting units, Sklar a keramik 12 no.10:306-307 0 '62.

1. Obalove a lisovane sklo, n.p., zavod Hermanova Hut.

ZVERINA, Karel, inz.

"Handbook on heat transmission" by S. S. Kutateladze and V. M. Borisanskij [Borishanskiy, V.M.]. Reviewed by Karel Zverina. Sklar a keramik 13 no.1:27 Ja '63.

ZVERINA, Miroslav

Economical use of oils. Inz stavby 11 no.2: Suppl: Mechanizace no.2:
31-32 '63.
1. Montovane stavby, n.p., Brno.

ZVERINA, Miroslav (Brno)

Some notes on the education of dirvers. Inz stavby 11 no.3: Suppl:
Mechanizace no.3:33-34 '63.

MOTYLEV, I.U., red. tekhn. nauk; ZVERINSKIY, G.I., prof.; KALYUZHNYY, I.S., kand. sel'khoz. nauk; AZIZOV, A.A., mlad. nauchnyy sotr.; POLETAYEV, A.V., kand. khim. nauk; ABRUTSKAYA, Ye.G., mlad. nauchnyy sotr. Prinimali uchastiye: BUTLITSKIY, Yu.V., mlad. nauchnyy sotr.; FEPOSEYEVA, T.I., mlad. nauchnyy sotr.; BIRUL', A.K., prof., doktor tekhn. nauk, retsenzent; ZVERINSKIY, G.I., inzh., retsenzent; KOVALEV, T.G., inzh., retsenzent; BASIN, M.M., inzh., retsenzent; DEBERDEYEV, B.S., red.; DONSKAYA, G.D., tekhn. red.

[Stability of earth roadbed and road mata in regions with artificial irrigation] Ustoichivost' zemlianogo polotna i dorozhnykh odezhd v raionakh iskusstvennogo orosheniya. [By] I.U.L. Motylev i dr. Moskva, Nauchno-tekhn. izd-vo M-va avtomobil'nogo transp. i shos. dorog RSFSR, 1961. 178 p. (MIRA 15:2)

(Uzbekistan--Road construction) (Uzbekistan--Irrigation)

ZVERINISVIR, U.S.S.R.

Application of chen-kiu therapy to diseased conditions of the
peripheral nervous system. Zdrav. Kazakh. 21 no.8:27-31 '61.
(MIRA 14:9)

1. Iz kafedry nervnykh bolezney (zav. - dotsent R.G.Mandryko)
Karagandinskogo meditsinskogo instituta.
(ACUPUNCTURE) (NERVOUS SYSTEM—DISEASES)

ULANOVA, Ye.S.; KONTORSHCHIKOVA, O.M.; ZVERINISEVA, Ye.S.; YARTSEVA,
N.A.; PROTSEROV, A.V., nauchnyy red.; MOKRETSOV, A.M., red.;
ZEMTSOVA, T.Ye., tekhn. red.

[Applicability of agrometeorological forecasting methods in different regions of the U.S.S.R.; results of field tests] Primeni-
most' metodov agrometeorologicheskikh prognozov v razlichnykh
raionakh SSSR; rezul'taty proizvodstvennykh ispytaniy. Pod red.
A.V.Protserova, E.S.Ulanovoi. Moskva, Gidrometeor. izd-vo,
1961. 156 p. (MIRA 15:2)

1. Moscow. Tsentral'nyy institut prognozov.
(Meteorology, Agricultural)

Differential equations with delay. Part 2. Izv. Sem. po teor.
diff. urav. s otklor. arg. 2:3-49 '63.

(MIRA 18:2)

ZVERKIN, A.M.

Completeness of a system of partial solutions to a differential equation with time lag and periodic coefficients. Trudy Sem. po teor. diff. urav. s otklon. arg. 2:93-112 '63.

Solution of linear equations with delay using the method of successive integration. Ibid.:146-161

Exceptional case of the location of the roots of a quasi-polynomial. Ibid.:238-242

(MIRA 18:2)

ZVERKIN, A.M.

Effect of the choice of the initial moment on the stability of
solutions to linear differential equations with delayed arguments.
Vest.Mosk.un.Ser.rat., mekh., astron., fiz., khim. 14 no.5:15-20
'59. (MIRA 13'8)

(Differential equations, Linear)

66153

SOV/20-128-5-4/67

~~16(1)~~ 16. 3400

AUTHOR: Zverkin, A.M.

TITLE: On the Theory of Linear Differential Equations Having a Lagging Argument and Periodic Coefficients

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 128, Nr 5, pp 882-885 (USSR)

ABSTRACT: The author states that not every linear differential equation with constant lagging of the argument can be reduced by linear transformation to an equation with constant coefficients. On the other hand there exists a class of irreducible equations, the partial solutions of which can be determined by means of the roots of a characteristic quasipolynomial. The author proposes a method which permits to obtain in this way a partial solution of

$$(6) \quad y'(t) = \sum_{k=0}^m a_k(t)y(t-kT),$$

where $a_k(t+T) = a_k(t)$. He discusses the transfer of the method to systems. The obtained particular solutions form a fundamental system (sufficient condition), if the given system of equations is reducible to a system with constant coefficients. The author formulates a theorem on the stability of

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On the Theory of Linear Differential Equations Having a Lagging Argument
and Periodic Coefficients

SOV/20-128-5-4/67

the solutions of (6) without proof.

There are 2 references, 1 of which is Soviet, and 1 English.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova
(Moscow State University imeni M.V.Lomonosov)

PRESENTED: June 9, 1959, by I.G.Petrovskiy, Academician

SUBMITTED: June 5, 1959

SOURCE CODE: UR/0044/66/000/002/BU91/3092

ACC NR: AR6020782

AUTHOR: Zverkin, A. M.

TITLE: A series expansion for the solution of linear differential difference equations. Part I. Quasi polynomials

SOURCE: Ref zh. Matem, Abs. 2B311

REF SOURCE: Sb. Tr. Seminara po teorii differents. uravn. s otklon. argumentom. T. 3. M., 1964, 3-38

TOPIC TAGS: linear differential equation, differential equation solution, difference equation, asymptotic expansion

ABSTRACT: The properties of the quasi-polynomials

$$D(\lambda) = \sum_{r=0}^n \sum_{p=0}^m a_{rp} \lambda^r e^{-\tau_p \lambda}$$

are studied with a_{rp} and τ_p constants. Some peculiarities of the distribution of the roots of quasi-polynomials $D(\lambda)$ are established together with their asymptotic behavior. The paper is basically a survey although it contains original proofs of certain theorems (estimates from below of the distance between the roots of the quasi-polynomial; the maximum possible multiplicity of the roots of the quasi-polynomial; the establishment of the fact that there exists only a single root with such a multi-

ACC NR: AR6020782

plicity, and the method is given for its finding; the estimates of the number of roots within the bands parallel to the real axis are also refined). Numerous already known theorems are proved by new methods. It is noted that the second part of the paper will be devoted to the expansion of the solution of linear stationary equations with varying arguments into series over the basic solutions of the form $P(t)e^{\lambda_i t}$, where $P(t)$ is a polynomial, and λ_i is the root of the characteristic quasi-polynomial. [Translation of abstract]. L. El'sgol'ts

SUB CODE: 12

ZVERKINA, T.S.

Modified Adams formula for integrating equations with deviating
argument. Trudy Sem. po teor. diff. urav. s otklon. arg. 3:
221-232 '65. (MIRA 19:1)

BARDADYMOV, P.; ZVERKHOVSKIY, V.

Let's have more of the new and practical textiles of good
appearance. Sov.torg. 33 no.9:14-19 S '59. (MIRA 12:12)

(Textile industry)

ZVERKIN, A.M.

Existence and uniqueness theorems for an equation with deviating argument in the critical case. Trudy Sem. po teor. dif. urav. s otklon. arg. 1:37-46 '62.

Equivalence of various classes of initial conditions for equations with deviating argument. Ibid.:63-68 (MIRA 16:12)

69470

S/055/59/000/05/002/020

16, 3400

AUTHOR: Zverkin, A. M.

TITLE: The Dependence of the Stability of Solutions of Linear
Differential Equations With Lagging Argument on the
Choice of the Initial Moment

PERIODICAL: Vestnik Moskovskogo universiteta. Seriya matematiki,
mekhaniki, astronomii, fiziki, khimii, 1959, No. 5, pp. 15-20

TEXT: The author considers equations of the type

$$(1) \quad y'(x) = \int_0^{\Delta(x)} y(x-s) dr(x,s), \quad \Delta(x) \geq 0,$$

where the integration in the Stieltjes integral is carried out with respect to s . The author investigates the dependence of the stability of the solution on the initial moment of the perturbations. Especially the author considers cases, where the stability does not depend on the moment of the disturbing influence.

Theorem 1: For the stability of the trivial solution of (1), where $r(x,s)$ is a nondecreasing function of s for arbitrary x , $A \leq x < \infty$, it is necessary and sufficient that the integral

$$\int_A^{\infty} r(x, \Delta(x)) - r(x, 0) \, dx$$

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The Dependence of the Stability of Solutions of Linear Differential Equations With Lagging Argument on the Choice of the Initial Moment

exists.

Theorem 4: If in the equation

$$(5) \quad y'(x) = a(x)y(x) + b(x)y(x - \tau(x)), \quad \tau(x) \geq 0$$

it is $b(x) > 0$ for $x > M$ and $b(x) \neq 0$ in $[A, M]$, $\tau(x) \geq \alpha > 0$ and $\tau'(x) \leq 1 - \beta$, $\beta > 0$, then from the stability under perturbations in the point A it follows the stability under perturbations in an arbitrary point.

There are 2 Soviet references.

SUBMITTED: October 4, 1955

Card 2/2

4

ZVERKIN, A.M.; KAMENSKIY, G.A.; NORKIN, S.B.; EL'SGOL'TS, L.E.

Differential equations with deviating argument. Usp.mat.nauk.
17 no.2:77-164 Mr-Apr '62. (MIRA 15:12)
(Differential equations)

SARKISOV, E.S.; CHEBOTAREV, N.T.; NEVZOROVA, A.A.; VERIKOV, A.I.

Oxidation of zirconium at high temperatures and the structure of
oxide films. Atom. energ. 5 no.5:550-553 N '58. (MIRA 12:1)
(Zirconium oxides)

SOV/89-5-5-7/27

5(2)

AUTHORS:

Sarkisov, E. S., Chebotarev, N. T., Nevzorova, A. A.,
Zver'kov, A. I.

TITLE:

The Oxidation of Zirconium at High Temperatures and the Structure of the Primary Oxide Films (Okisleniye tsirkoniya pri vysokikh temperaturakh i struktura pervichnykh oksidnykh plenok)

PERIODICAL:

Atomnaya energiya, 1958, Vol 5, Nr 5, pp 550-553 (USSR)

ABSTRACT:

The investigation was carried out with two different layers of zirconium. In the first case, a small zirconium plate (dimensions: 8 . 15 . 0,5 mm) was used, which was produced by hot rolling. The plate was then annealed for one hour at a temperature of 700°C. Before oxidation the plate was chemically polished in a solution of 40 % nitric acid, 5 % hydrofluoric acid, and 55 % water. Oxidation took place in steam and dry oxygen at temperatures of from 150 to 800°C and under atmospheric pressure. The time of exposure varied between 15 minutes and 10 hours. By means of the scattering method the electrograms were taken on an electronograph of the type EM-4.

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The Oxidation of Zirconium at High Temperatures and the Structure of the Primary Oxide Films

In the second case the zirconium foils were produced by evaporation of the zirconium in a vacuum on a mica base. The foils produced were removed from the mica base in distilled water. Oxidation was carried out as described above. The radiographic investigations were carried out by means of a camera of the type RKU-86 (Cr radiation). It was found that oxidation develops in stages. During the first stage of oxidation a thin layer with a marked textured cubic modification and characterized by very considerable passivation forms. The second stage is characterized by the occurrence of a textured monoclinic modification, which is located above the cubic modification. A further increase of the thickness of the foil is possible only at the expense of the increase of the internal monoclinic modification. The third stage of oxidation is characterized by the vanishing of the textured black oxidation layer which consists of the cubic and monoclinic modifications. The black layer goes over into a white one. At this instant the rate of oxidation of zirconium increases very considerably. The resistance to corrosion of the black layer might be

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SOV/89-5-5-7/27

The Oxidation of Zirconium at High Temperatures and the Structure of the Primary Oxide Films

brought into connection with the presence of a textured solid solution of zirconium in ZrO_2 . It was possible to show that the protective properties of the black layer apparently vanish as soon as a maximum of saturation of this solid solution with oxygen is attained. The consequence is that a non-textured white zirconium oxide with the well-known stoichiometric composition is formed. There are 6 figures, 2 tables, and 6 references, 0 of which is Soviet.

Card 3/3

LEVCHANOVSKIY, G.N., kand.tekhn.nauk; YEGOROVA, Z.F., inzh.; ZVER'KOV, A.Ye.

Soil stabilization in Novosibirsk Province with pulverized quick
lime treated for waster resistance. Avt.dor. 24 no.5:10-12
My '61. (MIRA 14:6)

1. Nachal'nik Novosibirskogo dorozhno-stroitel'nogo upravleniya
(For Zver'kov).
(Novosibirsk Province—Soil stabilization) (Lime)

report presented at the 1st All-Union Congress of Theoretical and Applied Mechanics, Moscow, 27 Jan - 3 Feb '60.

102. A. Zhurav (Moscow): The stress of stress and deformation of the turbine blades.
103. L. K. Pisk (Moscow): On some new forms of the general solution of the three-dimensional problem of the theory of elasticity expressed in harmonic functions.
104. A. J. Derjabin (Sverdlovsk): Generalization of the method of displacement in structural mechanics.
105. P. V. Derjabin (Moscow), A. V. Kopylov (Leningrad): Surface phenomena in the mechanics of alloys.
106. A. V. Pijet (Moscow): Experimental data concerning the interaction of vibrations of different frequencies in concrete structures.
107. G. B. Zhuravskii (Leningrad): Axiomatic problem.
108. B. M. Blyuzh (Moscow): A finite difference analysis of cylindrical shells with rectangular holes.
109. A. I. Dvinskii (Moscow): Generalization of Timoshenko's method of stability.
110. K. P. Babitskii (Moscow): The asymptotic solution of the equations of structural mechanics by means of special uniformly convergent series.
111. L. G. Bregman (Leningrad): A method of investigating the stability of plates and shells and the slip lines in anisotropic elasto-plastic bodies.
112. A. P. Malinik (Cherepovets): The stability of a shell of a cylindrical shell.
113. G. I. Ginzburg (Moscow): A problem of stability of a shell of a cylindrical shell under the action of a load with application to the question of stress waves.
116. G. P. Bregman (Leningrad): On the shear strength of fibrous composites.
115. P. P. Bregman (Leningrad): On friction in sandy soils and their shear strength.
114. A. P. Bregman (Moscow): The deformation of the ground under an elastic foundation.
117. G. P. Bregman (Moscow): On stresses and strains of thin shells under the action of variable shear motion of normal and skewed supports.
118. G. P. Bregman (Cherepovets): Determination of the stress on a beam during taking account of the arbitrary geometry of shells.
119. G. P. Bregman (Cherepovets): The integral equation method of determining the creep characteristics of shells from observations in situ.
120. G. P. Bregman (Moscow): The elasto-plastic bending of a beam.
121. G. P. Bregman (Moscow): Elastic properties of a plastically deformed material under combined loading.
122. G. P. Bregman, G. P. Bregman, G. P. Bregman (Leningrad): Determination of the stress of concentrated loads in the vicinity of the transition in the case of a slip element.
123. G. P. Bregman (Moscow): On the propagation of plastic zones in a beam under torsional loading.
124. G. P. Bregman, G. P. Bregman (Moscow): An experimental study of creep rupture characteristics of tubes under combined stresses.
125. G. P. Bregman (Moscow): The propagation of an elastic wave in an uniaxial specimen.
126. G. P. Bregman (Moscow): On the state of stress in compression and its effect on the construction of beam's circles.
127. G. P. Bregman, G. P. Bregman (Moscow): The laws of deformation and rupture of shells.
128. G. P. Bregman (Moscow): Flow of visco-elastic shells under impact loading.
129. G. P. Bregman (Moscow): The hypothesis of isostatic stability of thin-walled shells and the bending of shells.
131. G. P. Bregman (Moscow): On the anisotropy of elastic and plastic shells.
132. G. P. Bregman, G. P. Bregman (Leningrad): Plastic tension and compression of shells under impact loading. Some experimental results through prior plastic deformation have been obtained.
133. G. P. Bregman, G. P. Bregman (Moscow): Identification of elastic shells and vibrations in aircraft structures by means of elements computers.

7(0)

AUTHOR:

Zver'kov, B. V.

SOV/32-24-12-37/45

TITLE:

Machine for Studying the Endurance of Tubes Under Pressure
With Cyclic Deflection (Mashina dlya issledovaniya
dlitel'noy prochnosti trub pod davleniyem s tsiklicheskim
izgibom)

PERIODICAL:

Zavodskaya Laboratoriya, 1958, Vol 24, Nr 12,
pp 1514 - 1516 (USSR)

ABSTRACT:

The machine mentioned in the title was developed, produced,
and used in the institute mentioned in the association
in the beginning of 1957. The testing conditions
correspond to the working conditions of tubes and vapor
conductors in boiler works. The diagram given (Fig 1)
indicates that the tube sample is located in an electric
furnace. The loading for the cyclic bending of the
sample is carried out using an electric motor over an
eccentric wheel. The pressure within the system is
achieved in the same way as in the TsKTI apparatus,
used for testing the endurance of tubes toward internal

Card 1/2

Machine for Studying the Endurance of Tubes Under
Pressure With Cyclic Deflection

SOV/32-24-12-37/45

pressure (Ref 1). The error in measurement in relation to the bending moment is about 3%. The placing of the machine on the desired loading cycle is carried out by using cells attached to the lever. 15, 30, and 60 cycles per minute are proposed. Two samples can be determined simultaneously on the machine. There are 2 figures and 1 Soviet reference.

ASSOCIATION: Tsentral'nyy kotloturbinnyy institut im.I. I. Polzunova
(Central Boiler-Turbine Institute imeni I. I. Polzunov)

Card 2/2

ZAKHAROV, A.A.; ZVER'KOV, B.V.; PLATONOVA, N.G.

Device for testing specimens for long-period strength in bending
in tensile-testing machines. Zav.lab. 28 no.8:1005-1006 '62.

(MIRA 15:11)

1. Tsentral'nyy kotloturbinnyy institut imeni I.I.Polzunova.
(Testing machines)

ZVER'KOV

06-3-14/26

AUTHOR: Zver'kov B.V. (Engineer)
TITLE: The long term strength of tubes with complex loading. (Dlitel'naya prochnost' trub pri slozhnykh nagruzkakh.)

PERIODICAL: Teploenergetika, 1958, No.3. pp. 51-54 (USSR)

ABSTRACT: An installation for testing the long term strength of tubes with combined internal pressure and bending is illustrated diagrammatically in Fig.1 and a corresponding installation for combined pressure and torsion in Fig.2. The test section of the tube was contained in an electric furnace. The accuracy of the test data was of the order of 3 - 5%. The test specimens were made of austenitic steel $\Xi\Pi-094$ (1X13H16E). For long term tensile tests the samples were made in the form of cylinders of 4.6 - 5.1 mm diameter with a length to diameter ratio of about 10 cut from the wall of the tube. For the main tests the specimens were pieces of steam superheater tubes of 32 x 5.6 mm in the condition as delivered. Tables 1 & 2 give data on long term strength tests on specimens in tension and tubes under pressure. Table.3 gives data for tubes subject only to torque and they lost their stability, large cracks were formed on the surface of the specimens. The results of tests with combined pressure and twisting are given in Table.4. There were individual cracks formed on the outer surface of the specimens and on the internal surface there was a network of fine cracks. (See illustrations in Figs.3 & 4). The results of tests on tubes

Card 1/2

ZVER'KOV, S.N., gornyy inzh.; STEPASHKO, A.P., gornyy inzh.; GRIGOR'YANTS,
E.A., gornyy inzh.

Improving the technology of boring and blasting operations at
Noril'sk Combine strip mines. Gor. zhur. no.6:11-16 Ja '65.

Improving boring and blasting operations at the "Zapolyarnyy
mine. Ibid.:25-28 (MIRA 18:7)

ZVER'KOV, S.N., gornyy inzh.

Large-scale hole firing in an open-pit mine beyond the Arctic
Circle. Gor. zhur. no.12:27-29 D '60. (MIRA 13:12)

1. Noril'skiy gorno-metallurgicheskiy kombinat.
(Noril'sk--Strip mining) (Blasting)

ZVER'ZOV, S.N., gornyy inzh.; LOMONOSOV, G.G., gornyy inzh.

Kind of explosives needed by the "Medvezhiy Ruchey" mine. Gor.
zhur. no.10:41-43 0 '58. (MIRA 11:10)

1. Rudnik "Medvezhiy ruchey."
(Noril'sk--Mining engineering) (Explosives)

LOMONOSOV, G.G., gornyy inzh. ; ZVER'KOV, S.N.

Water blasting method of breaking oversized rocks in open pits. Gor. zhuz.
no.4:35-37 Ap '63. (MIRA 16:4)

1. Moskovskiy institut radioelektroniki i gornoj elektromekhaniki
(for Lomonosov). 2. Glavnyy inzh. rudnika "Yuznyy" (for Zver'kov).
(Blasting)

ZVERKOVA, A.S.

Differential diagn. of acute agranulocytosis and acute aleukemic
leukemia. Trudy Kiev. nauch.-issl. inst. perel. krovi i neotlozh. khir.
3:194-200 '61. (MIRA 17:10)

1. Kiyevskiy institut perelivaniya krovi.

ZVERKOVA, A. S. Cand Med Sci -- "Role of auto-antibodies in the pathogenesis of agranulocytosis and other types of ~~leukopenia~~ leukopenia." Kiev, 1961 (Kiev Order of Labor Red Banner Med Inst im Academician A. A. Bogomolets). (KL, 4-61, 209)

COUNTRY : USSR
CATEGORY : Human and Animal Physiology, Blood
ABS. JOUR. : RZhMiol., No. 5 1959, No. 21996
AUTHOR : Zverkova, A.S.
INST. :
TITLE : The Role of Autoantibodies in the Pathogenesis of
Agranulocytosis and other Types of Leukopenia.
ORIG. PUB. : Vrachebn. delo, 1957, No. 4, 347--350

ABSTRACT : Of the 75 patients followed, 14 had agranulocytosis, 37 had other types of leukopenia, and 24 had normal leukocyte levels. Autoantibodies (leukoagglutinins and leukolysins) were detected in the serum of the patients with agranulocytosis. The serum of these patients agglutinated the granulocytes in the blood of healthy subjects and patients with myeloid leukemia, but did not agglutinate lymphocytes and monocytes. A relationship was established between the intensity of agglutination and leukolysis and the clinical state of the

Card:

1/2

T-43

ZVERKOVA, F. A.

Vitamin A in dermatology and hypervitaminosis A. Vest. dermat. i
ven. no.6:10-17 '61. (MIRA 15:4)

1. Iz kafedry kozhnykh bolezney (zav. - prof. S. Ya. Golosovker)
Leningradskogo pediatricheskogo meditsinskogo instituta (dir. -
kandidat meditsinskikh nauk Ye. P. Semonova)

(VITAMINS--A) (HYPERVITAMINOSIS) (DERMATOLOGY)

782. ROLE OF VITAMIN A AND CAROTENE IN SOME SKIN DISEASES OF INFANTS IN THEIR FIRST YEAR OF LIFE (Russian text) - Zverkova F. A. - VOPR. OKHR. MATER. I DETS. 1957, 2 (19-27)

Blood concentration of vit. A and carotene of breast-fed infants suffering from various skin diseases and of their mothers was studied. A control group of healthy babies and their mothers was also investigated. It was found that: (1) Vit. A and carotene contents of the blood of healthy infants under one year of age show seasonal variation and changes dependent on the type of feeding. (2) In the case of erythroderma desquamativum the blood level of those substances is greatly lowered. (3) This fall depends on both exogenic and endogenic factors (gastro-intestinal disorders, disorders of liver function). (4) Vit. A and carotene concentration in the blood and milk of mothers breastfeeding babies suffering from erythroderma desquamativum is low. Addition of those substances to the diet of the mothers constitutes an integral part of the treatment. (5) In dermatitis herpetiformis of the newborn the blood levels of vit. A and carotene are low. This fall becomes even more accentuated in exfoliative dermatitis. (6) In cases of infantile eczema the amounts of circulating vit. A and carotene are larger than normal as a result of interference with general metabolism. (7) Administration of vit. A to infants suffering from eczema helps in restoration of normal metabolism. Administration of vit. A during pregnancy, especially in cases of toxemia of pregnancy, is an important factor in prevention of skin disease in infants. (S)

ZVEREVA, V.A.

Use of short-wave ultraviolet radiation in work rooms of
the V.I.Lenin All-Union State Library. Uch.zap. Mosk.nauch.
issl.inst.san.i gig no.4:51-52 '60 (MIRA 16:11)

Survival of intestinal microbes and staphylococci in cottage
cheese kept in refrigerators for long periods at sub-zero
temperatures. Ibid.:57-59.

*

ZVEREVA, V.A.

Karst and caves in the Southern Urals; annotated bibliographical
index of the Russian literature, 1918-1960. Nov.kar.1 spel. no.3:
87-94 '63. (MIRA 16:10)

Formation and decomposition of austenite in cold-rolled transformer steel. Fiz. met. i metalloved. 19 no.6:926-929 Je '68. (MIRA 18:7)

1. Nauchno-issledovatel'skiy institut metallurgii, Chelyabinsk.

KALINA, G.P.; DIANOVA, Ye, V.; BUGROVA, V.I.; KRYLOVA, M.D.; PONOMAREVA, Ye. P.;
STEPANENKO, V.K.; ZVEREVA, V.A.

Problems of sanitary bacteriology. Uch. zap. Kazansk. nauch. issl. ser.
i gig. no. 4: Frontpage '60 (MIRA 16:11)

Behavior of dysentery bacteria in an external medium. Ibid.: 5-10

ZVEREVA, V.A.; BELYAYEVA, T.N.

Dutch cheese as a possible source of food poisoning of a
staphylococcal nature. Uch.zap. Mosk. nauch. issl. inst.
san. i gig. no.4:53-56 '60 (MIRA 16:11)

*

S/279/63/000/001/011/023
E075/N452

AUTHORS: Gershman, R.B., Belikov, A.M., Zvereva, V.A.,
Vasil'yeva, S.V. (Chelyabinsk)

TITLE: Curie points of cementite after isolation from alloy
steels

PERIODICAL: Akademiya nauk SSSR, Izvestiya. Otdeleniya
tekhnicheskikh nauk. Metallurgiya i gornoye delo.
no.1, 1963, 119-120

TEXT: Since the magnetic properties of isolated alloyed
cementite have not been adequately studied and existing literature
data are contradictory, the authors determined the Curie points of
cementite isolated from seven alloy steels (composition given).
The steels were induction melted and the ingots forged into rods
from which specimens were prepared. The specimens were homogenized
and hardened from 950 or 1300°C in a 10% potassium hydroxide
aqueous solution or oil. Each type of steel was annealed by
5 to 6 different methods to obtain the maximum content of the alloy
element in cementite. The cementites were isolated electrolytic-
ally. The proportions of the alloying elements in the carbide
residues were determined chemically and the amounts dissolved in a
Card 1/2

S/279/63/000/001/011/023
E075/E452

Curie points of cementite ...

given carbide were determined from changes in volume of the elementary lattice or from the spacing. The effect of temperature on the magnetization of carbide powder was determined with a magnetic balance in fields far removed from saturation. It was found that the Curie point of the cementite was not changed by alloying the steel with nickel, niobium or vanadium. Alloying the steel with tungsten somewhat lowered the Curie point temperature. Alloying the steel with molybdenum reduced it still more. Vanadium, when dissolved in cementite in large quantities, caused a very marked decrease in the Curie point temperature. There are 1 figure and 2 tables.

SUBMITTED: April 24, 1962

INVENTOR: Simonov, V. D.; Shakirova, A. M.; Savin, V. P.; Zvereva, V. V.; Romanovich, V. I.; Naumkin, P. V.

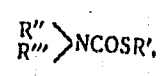
ORG: none

TITLE: Preparation of thiolcarbamates. Class 12, No. 186437 [announced by Ufa Branch of the All-Union Scientific Research Institute of Chemicals for Plant Protection (Ufimskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta khimicheskikh sredstv zashchity rasteniy)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 19, 1966, 26

TOPIC TAGS: thiolcarbamate, carbamic acid, ^{organic} salt, alkyl halide, halide ..

ABSTRACT: In the proposed method for preparing thiolcarbamates of the general formula



(where R', R'', and R''' are saturated alkyls) by the reaction of salts of thiocarbamic acid with alkyl halides on heating, saturated alkyl halides are used as the alkylation reagents and the process is conducted

ACC NR: AP6035677

at 100--130°C, 5--10 atm in an inert solvent, e.g., petroleum ether.
[W.A. 50]

SUB CODE: 07/ SUBM DATE: 09Nov65

ZVEREVA, Ye.A.; GUREYEV, V.F.

Geology and formation characteristics of the weathering
surface of a carbonate massif. Kora vyvetr. no.6:187-
194 '63. (MIRA 17:9)

1. Tsentral'nyy nauchno-issledovatel'skiy gornorazvedochnyy
institut tsvetnykh redkikh i blagorodnykh metallov, Moskva.

GODLEVSKIY, M.N., doktor geol.-mineral. nauk; ZVEREVA, Ye.A.;
PISEMSKIY, G.V.

Il'ia Isaakovich Ginzburg, 1881?-1965; an obituary.
Zap. Vses. min. ob-va 94 no.5:621-622 '65. (MIRA 18:11)

1. Deystvitel'nyy chlen Vsesoyuznogo mineral'nogo obshchestva
(for Godlevskiy).

BUGEL'SKIY, Yu.Yu.; VITOVSKAYA, I.V.; GODLEVSKIY, M.N.; ZVEREVA, Ye.A.; KORIN,
I.Z.; NIKITIN, K.K.; NIKITINA, A.P.; PISEMSKIY, G.V.; SAPOZHNIKOV, D.G.;
SOKOLOV, G.A.; CHUKHROV, F.V.; SHCHERBAKOV, D.I.; KDEL'SHTEYN, I.I.;
YANITSKIY, A.A.

Il'ia Isaakovich Ginzburg, 1882?-1965; obituary. Geol.rud.mestorozh.
7 no.4:109-110 JI-Ag '65. (MIRA 18:8)

ZVEREVA, Ye. A., Cand Agr Sci -- (diss) "Differentiation of methods in land-reclamation work in salt swamps with different upper-level fertility." Moscow, 1960. 20 pp; (All-Union Order of Lenin Academy of Agricultural Sciences im V. I. Lenin, All-Union Scientific Research Inst of Fertilizers and Agro-soil science, VIUA); 150 copies; price not given; (KL, 17-60, 163)

GOLUBEV, D.B.; CHEBOTAREV, Ye.N.; VASILETS, I.M.; ANSENOV, O.A.;
ZVEREVA, Ye.P.

Changes in the membrane permeability of tissue culture cells
during the reproduction of viruses. Tsitologiya 7 no.3:356-365
My-Je '65. (MIRA 18:10)

1. Laboratoriya virusnykh preparatov Instituta vektora i
syvorotok i laboratoriya biokhicheskoy genetiky Instituta
eksperimental'noy meditsiny AMN SSSR, Leningrad.

GOLUBEV, D.B.; ZUBZHITSKIY, Yu.N.; ZVEREVA, Ye.P.; SIMANOVSKAYA, V.K.;
LIPINA, N.V.; YABROV, A.A.

Change in cellular permeability in the process of symplasm
formation induced by some viruses in the tissue. Vop. virus.
10 no.5:544-550 S-0 '65. (MIRA 18:11)

1. Nauchno-issledovatel'skiy institut vaktsin i syvorotok
i Institut eksperimental'noy meditsiny AMN SSSR, Leningrad.

ACCESSION NR: AT4028301

S/2667/63/000/024/0066/0091

AUTHOR: Guterman, I. G.; Dunayova, S. I.; Zvereva, Ya. P.; Marchenko, A. S.

TITLE: Climatic characteristics of the wind in a model of the standard atmosphere

SOURCE: Moscow. Nauchno-issledovatel'skiy institut aeroklimatologii. Trudy*,
no. 24, 1963, 66-91

TOPIC TAGS: standard atmosphere, meteorology, climatology, wind, wind velocity,
wind direction, troposphere, stratosphere

ABSTRACT: A method has been developed for processing aerological observations for a 10-year period (1950-1959) to the 30-mb isobaric surface for the determination of wind characteristics, averaged over large regions and the hemisphere. The determined characteristics are recommended as the first variant of a model of a standard atmosphere for the northern hemisphere. Wind parameters were determined for January, for July and for the year to a height of 25 km. The principal parameters used for this model were the mean scalar velocity of the wind for the month and the year and the resultant wind vector (value and direction). Both characteristics were determined using data for 200 stations, a total of 470,000 observations, processed by electronic computer. Principles and methods employed in this study are described fully. The many difficulties in handling this complex problem

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ACCESSION NR: AT4028301

are discussed. Wind parameters are summarized and analyzed for six geographic regions within which the character of wind distribution can be considered homogeneous in the first approximation. Nonuniformity of station distribution and decreasing number of observations at greater heights are taken into account. In this process data were averaged for 206 equal-area squares in the northern hemisphere. The six regions for which data are generalized are: polar regions; Europe and part of Asia; North America and the North Atlantic; North Africa and Central Asia; North Pacific Ocean and the Far East; and the equatorial and tropical regions. The following section headings indicate the nature of the development of the paper: Introduction; characteristics of the data used; principal geographic regions defined for the purpose of description of wind over the northern hemisphere; the wind vector as a random value; determination of the climatic characteristics of the wind; general principles for determining mean parameters for regions and the hemisphere; averaging data for stations; averaging data for regions and the hemisphere; determination of wind characteristics for standard heights; practical computation of derivatives of wind parameters at standard heights. Orig. art. has: 29 formulas, 11 figures and 3 tables.

ASSOCIATION: Nauchno-Issledovatel'skiy Institut aeroklimatologii, Moscow
(Scientific Research Institute of Aeroclimatology)

Card 2/3

ACCESSION NO: AF402830, September 26, 2002 CIA-RDP86-00513R002065710012-7
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065710012-7"

SUBMITTED: 00

DATE ACQ: 16Apr64

ENCL: 00

SUB CODE: AS

NO REF SOV: 014

OTHER: 007

Card 3/3

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BOOK EXPLOITATION

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(47+37)

Zvereva, Ye. P.

44153

Interdiurnal variability of pressure, temperature and winds over the U.S.S.R.
(Mezhdusutochnaya izmenchivost' davleniya, temperatury i vetra nad SSSR) Leningrad,
Gidrometeoizdat, 1964. 0081 p. illus., biblio. 630 copies printed. (At head of
title: Glavnoye upravleniye gidrometeorologicheskoy sluzhby pri Sovete Ministrov
SSSR) Moscow. Nauchno-issledovatel'skiy institut aeroklimatologii. Trudy vyp. 22

TOPIC TAGS: atmospheric temperature, wind direction, climatology, atmospheric
pressure, wind velocity, troposphere, weather map, diurnal variation

PURPOSE AND COVERAGE: The book examines the distribution peculiarities of absolute
interdiurnal variations in temperature, pressure, wind velocity and direction at
different levels of troposphere over the USSR. Maps of interdiurnal variations
are included. They contain elements of four central seasonal months, which give
a picture of the peculiarities of seasonal and geographical variations. The book
is intended for scientific and operative workers in meteorology and aeroklimatology.

Card 1/2

L 1598-66

AM5009856

Data on variations in meteorological elements can also be used in various calculations of aerial navigation.

TABLE OF CONTENTS (abridged):

Introduction - - 3

Ch. I. Work survey on interdiurnal pressure and temperature variation problems - - 4

Ch. II. Interdiurnal pressure variation over the USSR - - 22

Ch. III. Interdiurnal temperature variation over the USSR - - 43

Ch. IV. Interdiurnal wind velocity and direction variations over the USSR - - 57

Conclusions - - 77

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SUB CODE: ES

SUBMITTED: 27 May 64

NR REF SOV: 017

OTHER: 013

Card 2/2 *DP*

ed.
[Day-to-day variations in pressure, temperature and wind over the
U.S.S.R. Mezhdusutochnaia izmenchivost' davleniia, temperatury i
vetra nad SSSR. Leningrad, Gidrometeoizdat, 1964. 81 p. (Moscow.
Nauchno-issledovatel'skii institut aeroklimatologii. Trudy, no.22).

(MIRA 17:10)

ZVEREV, N.I.; ZVEREVA, Ye.P.

Statistical analysis of the effect of various layers of the
troposphere on changes of pressure at the earth's surface.

Trudy TSIP no.139:59-66 '65.

(MIRA 18:6)

ZVEREVA, Ye.S.; ROGOV, A.I.

Moscow conference of readers of this periodical. Med. sestra 20
no.10:60 0 '61. (MIRA 14:12)

(NURSES AND NURSING---PERIODICALS)

ZVEREVA, Ye.S., meditsinskaya sestra (Moskva)

Procedure of the distribution of medicine and fulfillment of
assignments. Med.sestra 21 no.10:55 0 '62. (MIRA 16:4)
(NURSES AND NURSING)

VOLOSHCHUK, V.U.; TRIFONOVA, R.G.; ZVEREVA, Ye.V.; TARNAVSKIY, A.L.;
ASHURKINA, Ye.M.; IVANOV, V.P.

New developments in research. Stal' 23 no.9:858 S '63.
(MIRA 16:10)

SOV/81-59-16-58481

Translation from: Referativnyy zhurnal. Khimiya, 1959, Nr 16, pp 407-408 (USSR)

AUTHORS: Nikolayeva, V.G., Zvereva, Ye.V.

TITLE: The Intensified Investigation of Kerosene-Gas Oil Fractions of Direct Distillation and Catalytic Cracking

PERIODICAL: V sb.: Sostav i svoystva neftey i benzino-kerosinovykh fraktsiy. Moscow, AN SSSR, 1957, pp 467-497

ABSTRACT: Kerosene-gas oil fractions of 200 - 350°C of Romashkino Devon petroleum (R), 200 - 400°C of Tuymazy Devon petroleum (T) and gas oil of catalytic cracking of Romashkino petroleum (C) were investigated by a combination of the methods of exact rectification, deparaffination by carbide, chromatography on SiO₂, catalytic dehydrogenation and structure-group analysis of narrow fractions (with the application of infrared spectroscopy to n-paraffins). In R, 14% of n-paraffins and 38% of aromatic hydrocarbons (H) were found, in T-14 and 33%, respectively. The monocyclic and bicyclic aromatic H of both fractions contain naphthene rings and S-compounds. The total quantity of naphthenes in R is 19%, in T - 24% (8.8% six-membered naphthenes). In C 14% n-paraffins, 66% aromatic + unsaturated

Card 1/2

SOV/81-59-16-58481

The Intensified Investigation of Kerosene-Gas Oil Fractions of Direct Distillation and Catalytic Cracking

paraffins are contained (11.5% unsaturated). Mono-, bi-, tri- and polycyclic aromatic H have been found; the naphthene rings contain only monocyclic H, the S content reaches 5.4%. The content of naphthenes is 5 - 6% (in individual fractions 10 - 15%). The individual n-paraffins of all three fractions can be separated with a high degree of purity.

Ye. Pokrovskaya.

ZVEREVA, Ye.A.

Differentiation of cultivation measures applied for the improvement of various Solonetz soils. Dokl. Akad. sel'khoz. 23 no.10:35-41 '58. (MIRA 11:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut udobreniy i agropochvovedeniya. Predstavlena akademikom P.V. Baranovym. (Solonetz soils)

ZVEREVA, Ye.N.

Our experience in the preparation of the transition to
a seven-hour work-day. Tekst.prom. 20 no.5:9-10
Ky '60. (MIRA 13:8)

1. Direktor leningradskogo pryadil'no-nitochnogo kombinata
"Sovetskaya zvezda".
(Leningrad--Textile industry)
(Hours of labor)

ZVEREVICH, Ye.S.

**Drying generators in the power section of sugar refineries.
Sakh.prom.30 no.1:29-32 Ja '56. (MIRA 9:6)**

**1.Energoprodmontash.
(Electric generators)**

Ural'skoye sovetskoye po spektroye.
 Materialy 2 Ural'skogo sovetskoye po spektroye, Dzerzhinsk, 1958 g.
 (Materials of the Second Ural'sk Conference on Spectroscopy, held in Dzerzhinsk, 1958) Dzerzhinsk, Metallurgizdat, 1959. 206 p. Kresna 5119 1st
 series, 1,000 copies printed.

Sponsoring Agency: Ural'skoye Gilyal'noy Akademii Nauk SSSR, Komsomol'skiy po spektroye i analizu i Ural'skoye Gilyal'noy Akademii Nauk SSSR.

Ed.: I. I. L'vov, D. I. Zhuravlev, and G. I. Zhuravlev, Dzerzhinsk, 1958.

PARROTT: This collection of articles is intended for practical analysis laboratory workers at ferrous and nonferrous metallurgical plants, as for laboratory personnel of the metal-working industry, geological and prospecting organizations, and similar scientific research laboratories.
 CHYZAKI: The collection contains papers read at the Second Ural'sk Conference on the spectral analysis of ferrous and nonferrous materials and is for alloys, steel, pig-iron, sinter, and other materials used in ferrous metallurgy. The articles are devoted to the determination of phosphorus, sulfur, and other elements in ferrous materials and alloys. The present volume is intended to disseminate the latest experience in working with spectral instruments, and to report on the results of scientific research. The author thanks N. I. Gorkhin and Yu. M. Zhuravlev, Almet'skiy of the articles are accompanied by references.
 KUMAR, A. A. J. and M. K. Srinivasa. Spectral Analysis of Silver-Copper Alloys from a Standard of Silver and of Any Silver-Copper Alloy

KUMAR, A. A. J., I. Chatterjee, and P. D. Prasad. Methods of Preparing Standards for the Spectral Analysis of Spontaneous Emission and Absorption

PODOLYANSKIY, I. I., A. B. Gorkhin, B. M. Gaidukovskiy, and E. M. Korotkiy. Spectral Method of Analyzing Selected Iridium and Rhenium

GILLES, J. L. Spectrochemical Analysis of High-Purity Antimony

SHARMA, H. B., and V. V. Vasudevan. Range Problems in the Spectral Analysis of Blends, Ores, and Agglomerates

SHARMA, H. B., V. V. Vasudevan, V. T. Zambra, V. M. Srinivasa, and S. A. Venkatesh. Possibility of Using a Filter Source for the Analysis of Blends and Agglomerates

KHARIN, V. I., and G. P. Pridobinskiy. Spectral Determination of Oxides of Vanadium, Manganese, and Calcium in Agglomerates by the Dilution Method

BAKHOV, M. A., and A. M. Shorin. Determination of Titanium in Fluorovanadates and Blends by the Dilution Method

SEKINA, I. V. Spectral Analysis in the Refractories Industry

PIKUN, K. Z. Investigation of Certain Characteristics of Vaporization and Excitation of Elements in Alloy-With-Driftable Mixtures in the Spectral Analysis of Ores and Minerals

ZAVITSKIY, Ye. N. Effect of Certain Factors on the Intensity of Spectral Lines in the Nonconducting Powdered Assays

KOZLOVA, I. A., K. P., and Ye. D. Baydakov. Spectrographic Determination of Niobium and Tantalum in Products of Ore Dressing

PROKHOROV, V. B. Application of Visual Spectroscopy Methods in the Analysis of Blends, Ores, and Minerals

DOLYBAY, R. S. Experience in Operating the Spectral Laboratory of Geological Prospecting Party

KARAVAYEV, T. S., O. D. Frenkel', and A. P. Kopylov. Spectral Determination of Indium and Germanium in Sublimates of Copper-Smelling Plants

SHULYGA, S. A. Spectral Analysis of Saline and Alkaline Soils Used in the Heat Treatment of Steel Products

BAKOV, Z. E. Low-Foltage Pulse-Discharge Generator for Exciting Spectra

BAKOV, Z. E. Method of Taking Into Account Background and Interferences in Spectral Work at a Fast Spectral Laboratory

Recommendations of the 2nd Ural'sk Conference on Spectroscopy

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INDEX I BOOK EXPLANATIONS 561/5673

Alkyls with 5000. Randomly cited, 176

Alkyls arranged in order of increasing order of reactivity (Chemistry of Organic Compounds, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000 copies printed. Errors also inserted.

Authorial Name: S.D. Chalkovskiy (Sap. Ed.) Doctor of Chemical Sciences; S.D. Gal'perin, Doctor of Chemical Sciences; Ya. B. Cherkov, Doctor of Technical Sciences; V.V. Puzov, Candidate of Technical Sciences; and V.P. Buzdrevskiy, Candidate of Chemical Sciences; Ya. of Publishing House: I.I. Khimya; Tom. No.: 17, Tolstova.

Abstract: This book is intended for chemists, chemical engineers, and technologists specializing in the chemistry of petroleum.

Contents: The book is a collection of papers presented at the Third Scientific Conference on the Chemistry of Organic Sulfur- and Nitrogen Compounds (conducted in Petrozavodsk, Karelia, in 1971). The book contains 1) Synthesis, characterization, and analysis of organic sulfur compounds; 2) Synthetic and composition of organic sulfur compounds contained in petroleum and petroleum products; 3) Transformation of organic sulfur compounds by thermal catalysis; 4) Corrosive properties of and the formation of sulfur-containing petroleum and petroleum products; 5) Uses of organic sulfur compounds and hydrogen sulfide; 6) Physiological properties of organic sulfur compounds. The petroleum-sulfur compounds are mentioned. There are 115 references, of which 119 are Soviet, 115 English, 3 French, 12 German, and 1 Czech.

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Chemistry of Sulfur Organic Compounds (Cont.) 561/5673

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PART III. HETEROGENEOUS TRANSFORMATIONS OF ORGANIC SULFUR COMPOUNDS

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Kiselevskiy, I.K., T.A. Dostoyev. Synthesis and Transformation of Sulfur Compounds of Petroleum in the Presence of an Aluminosilicate Catalyst 174
Cont 6/10

Yes

(17)

NIKOLAYEVA, V.G.; ZVEREVA, Ye.V.

Effect of the refining method on the hydrocarbon composition of fractions containing organic sulfur compounds. Khim.sera. i azotorg.soed. sod. v neft. i nefteprod. 3:397-405 '60. (MIRA 14:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti i gaza i polucheniyu iskusstvennogo zhidkogo topliva.
(Petroleum--Refining) (Hydrocarbons) (Sulfur organic compounds)

S/081/61/000/C19/064/085
B117/B110

AUTHORS: Nikolayeva, V. G., Zvereva, Ye. V.

TITLE: Effect of refining processes on the hydrocarbon composition
 of fractions containing organic sulfur compounds

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 19, 1961, 421, abstract
 19M155 (Sb. "Khimiya sera- i azotorgan. soyedineniy,
 soderzhashchikhsya v neft'yakh i nefteproduktakh". Ufa, v. 3,
 1960, 397 - 405)

TEXT: Fractions of monocyclic and bicyclic aromatics which were separated from gas oil obtained by direct distillation and by catalytic cracking, were purified from sulfur compounds by adsorption on ACK (ASK) silica gel. Refining was conducted by two methods: (a) oxidation with H_2O_2 in acetic medium, (b) by hydrogenation on an aluminum - cobalt - molybdenum catalyst. Aromatic hydrocarbons were oxidized within 8 hr at 70°C. The total content of aromatic hydrocarbons in the fractions proved to be unchanged after refining by oxidation. The number of aromatic rings calculated by the method $n = d - M$ was somewhat reduced, especially as regards bicyclic aromatics. The elementary composition of oxidized organic sulfur compounds
Card 1/2

Effect of refining...

S/091/61/000/019/064/085
B117/B110

was studied. Hydrogenation of the benzene cycle in hydrogenative refining of monocyclic aromatic hydrocarbons was not noticed on the aluminum - cobalt - molybdenum catalyst at an initial H₂ pressure of 70 atm and a temperature of 350°C. In hydrogenative refining of bicyclic aromatics considerable amounts of tetralin derivatives were obtained. [Abstracter's note: Complete translation]

KRAVTSOV, V.I.; ZVEREVICH, G.V.

Galvanostatic study of the processes of electrodeposition and
anodic solution of zinc in zinc perchlorate solution. Vest.
LGU. 18 no.16:103-109 '63. (MIRA 16:11)

ACCESSION NR: AT4043065

S/2834/63/042/003/0025/0034

AUTHOR: Maslenitskiy, I. N., Zverevich, N. V.

TITLE: Amalgamation of Fe-Ni alloys

SOURCE: Leningrad. Gorny*y institut. Zapiski, v. 42, no. 3, 1963. Khimiya, metallurgiya, obogashcheniye (Chemistry, metallurgy, ore concentration), 25-34

TOPIC TAGS: nickel iron alloy, permalloy, kovar, alloy EI996, platinum, Armco iron, nickel iron alloy amalgamation, zinc amalgam, alloy surface wettability, oxide film effect, amalgamation

ABSTRACT: Amalgamation of Permalloy, Kovar (18% Co, 29% Ni, 53% Fe), alloy EI996 (2% Be, 98% Ni), platinum and "Armco" iron was studied by measuring wettability by mercury under various conditions calculated to prevent formation of oxide films. These included hydrogen reduction of the test plates and wetting under an acid layer following electrolytic reduction of oxide films. Surface preparation and experimental techniques are described. Other experiments involved effects of temperature, environment, hydrogen pressure and the Hg-Pd contact period on solubility of Pd coatings in mercury, as well as the wetting of these metal and alloy surfaces by zinc, ammonium and sodium amalgams. The results indicate that amalgamation of iron-nickel alloys cannot be effected

Cards

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ACCESSION NR: AT4043065

by standard methods, as wetting of the metal surface by mercury is obstructed by the instantaneous formation of oxide films. Hydrogen reduction of oxides was ineffective due to immediate reoxidation and even contacts in a hydrogen atmosphere did not insure good results in most cases. However, exposure of the metal surface to zinc amalgam in an acid medium insured good amalgamation. Orig. art. has 1 table, 5 graphs, 3 chemical equations and 1 diagram.

ASSOCIATION: Leningradskiy ordenov Lenina i Trudovogo Krasnogo Znameni gornyy institut im. G. V. Plekhanova (Leningrad Mining Institute)

SUBMITTED: 00

ENCL: 00

SUB CODE: MM

NO REF SOV: 005

OTHER: 006

Card

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MASLENTSKIY, I.N.; ZVEREVICH, N.V.

Amalgamation of iron-nickel alloys. Zap. IGI 4:2 no.3;
25-34 '63.

(MIRA 17:10)

ZVEREVICH, N., inzh.-podpolkovnik

Evaluating the piloting skill. Av. i kosm. 47 no.4160-61 Ap '65.
(MIRA 18:4)

MASLENITSKIY, I.N.; ZVEREVICH, N.V.

Hydrometallurgical separation of metallized copper-nickel
matte. Tsvet. met. 38 no.1s46-47 Ja '65 (MIRA 18:2)

ANDREYEV, Sergey Yefimovich; ZVEREVICH, Viktor Vladimirovich; PEROV,
Valentin Aleksandrovich; VERKHOVSKIY, I.M., prof., retsenzent;
PREYGERZON, G.I., dots., retsenzent; KUDENKO, K.G., dots.,
retsenzent; OLEVSKIY, V.A., kand. tekhn. nauk, retsenzent;
RYKOV, N.A., otv. red.; GARBER, T.N., red. izd-va; IL'INSKAYA,
G.M., tekhn. red.

[Crushing, milling, and screening minerals] Droblenie, izmel'-
chenie i grokhochenie poleznykh iskopaemykh. Moskva, Gosgor-
tekhizdat, 1961. 384 p. (MIRA 15:9)
(Ore dressing)

ANDREYEV, Sergey Yefimovich; ZVEREVICH, Viktor Vladimirovich; PEROV,
Valentin Aleksandrovich; VERKHOVSKIY, I.M., prof., retsen-
zent; FREYGERZON, G.I., dots., retsenzent; RUDENIKO, K.G.,
dots., retsenzent; OLEVSKIY, V.A., kand. tekhn. nauk, re-
tsenzent; RYKOV, N.A., otv. red.; GARBER, T.N., red. izd-va;
IL'INSKAYA, G.M., tekhn. red.

[Crushing, milling, and screening of minerals] Droblenie, iz-
mel'chenie i grokhochenie poleznykh iskopaemykh. Moskva, Gos.
nauchno-tekhn. izd-vo lit-ry po gornomu delu, 1961. 384 p.
(MIRA 15:3)

(Ore dressing)

PARAIL, Vladimir Alekseyevich, kand. tekhn. nauk, dotsent; PODZOLOV,
Richard Georgiyevich, starshiy nauchnyy sotrudnik; ZVEREVICH,
Vitaliy Yevgen'yevich, aspirant

Creepate of an asynchronous short-circuited motor caused by
additional rectified current feed. Izv. vys. ucheb. zav.;
elektromekh. 8 no.1:48-54 '65.

(MIRA 18:3)

1. Prorektor Odesskogo politekhnicheskogo instituta (for Parail).
2. Odesskiy politekhnicheskii institut.

BATIASHVILI, I.D.; BEY-BIYENKO, G.Ye.; BOGDANOV-KAT'KOV, N.N.; GERASIMOV,
B.A.; GILYAROV, M.S.; DMITRIYEV, G.V.; ZVEREZOMB-ZUBOVSKIY, Ye.V.;
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SKORIKOVA, O.A.; TROPKINA, M.F.; SHAPOSHNIKOV, G.Kh.; SHCHEGOLEV,
V.N., prof., doktor sel'skokhoz.nauk; ESTERBERG, L.K.; YAKHONTOV,
V.V.; REUTSKAYA, O.Ye., red.; CHUNAYEVA, Z.V., tekhn.red.

[Classification of insects on the basis of damage to crops] Opre-
delitel' nasekomykh po povrezhdeniyam kul'turnykh rastenii. Izd.4,
perer. i dop. Leningrad, Gos.izd-vo sel'khoz.lit-ry, 1960. 607 p.
(MIRA 14:1)

(Insects, Injurious and beneficial)

ZVEREV, Ye.N., starshiy nauchnyy sotrudnik; PETRUKHA, Ye.I., kand. biolog.nauk; POZHAR, Z.A., kand.sel'skokhoz.nauk; SHEVCHENKO, V.N., kand.sel'skokhoz.nauk; BUTOVSKIY, A.P., starshiy nauchnyy sotrudnik, spetsialist entomolog i fitopatolog; GROMAKOV, F.M., starshiy nauchnyy sotrudnik, spetsialist entomolog i fitopatolog [deceased]; MARKOV, F.I., kand.biolog.nauk, spetsialist entomolog i fitopatolog; FUCHKOV, V.G., kand.biolog.nauk, spetsialist entomolog i fitopatolog; PALIY, V.F., doktor biolog.nauk, spetsialist entomolog i fitopatolog; POLEVOY, V.V., starshiy nauchnyy sotrudnik, spetsialist entomolog i fitopatolog; SHMELEVA, V.A., kand.biolog.nauk, spetsialist entomolog i fitopatolog; ZVEREZOMB-ZUBOVSKIY, Ye.V., prof., doktor sel'skokhoz.nauk; KORAB, I.I., prof., doktor sel'skokhoz.nauk; MOROCHKOVSKIY, S.F., prof., doktor biolog.nauk; MURAV'YEV, V.P., prof.; SALUNSKAYA, N.I., kand.biolog.nauk; SAVCHENKO, Ye.N., red.; ZUBAREV, A.S., khudozh.-tekhn.red.

[Sugar beet growing] Sveklovodstvo. Izd.2., perer. i dop. Kiev, Gos.izd-vo sel'khoz.lit-ry.USSR. Vol.3. Pt.1. [Sugar beet pests and their control] Vrediteli sakharnoi svekly i mery bor'by s nimi. Pt.2. [Sugar beet diseases and their control] Bolezni sakharnoi svekly i mery bor'by s nimi. 1959. 642 p. (MIRA 12:11)

(Continued on next card)

ZHITKEVICH, Ye.M.---(continued) Card 2.

1. Kiyev. Vsesoyuznyy nauchno-issledovatel'skiy institut sakharnoy svekly.
 2. Vsesoyuznyy nauchno-issledovatel'skiy institut sakharnoy svekly (for Zhitkevich, Petrukha, Pozhar, Shevchenko).
 3. Uladovo-Iyulinetskaya opytno-selektatsionnaya stantsiya Vsesoyuznogo nauchno-issledovatel'skogo instituta sakharnoy svekly (for Butovskiy).
 4. Ivanovskaya opytno-selekts.stantsiya Vsesoyuznogo nauchno-issledov.instituta sakharnoy svekly (for Gromakov).
 5. Kurgizskaya opytno-selekts.stantsiya Vsesoyuznogo nauchno-issledov.instituta sakharnoy svekly (for Markov, Polevoy).
 6. Veselopodolyanskaya opytno-sel..stantsiya Vsesoyuznogo nauchno-issledov.instituta sakharnoy svekly (for Puchkov).
 7. Ramenskaya opytno-selekts.stantsiya Vsesoyuzn.nauchno-issledov.instituta sakharnoy svekly (for Paliy).
 8. Pervomayskaya opytno-selekts.stantsiya Vsesoyuznogo nauchno-issledov.instituta sakharnoy svekly (for Shmeleva).
 9. Chleny-korresp. AN USSR (for Zverezomb-Zubovskiy, Murav'yev).
- (Sugar beets--Diseases and pests)

ZVEREZOMB-ZUBOVSKIY, Ye.V.; TALENOVA, N.A., professor.

V.P.Pospelov's role in developing biological control methods for harmful insects of the U.S.S.R. Nauch.trudy Inst.ent.i fit. 2:7-11 '50. (MIRA 9:2)

1.Chlen-korrespondent Akademii nauk Ukrainekey SSR (for Zverezomb-Zubovskiy.
(Insects, Injurious and beneficial--Biological control)

ZVEREZOMB-ZUBOVSKIY, Ye.V.

Phytoncides and plant protection. Nauch. trudy inst. ent. i fit.
no. 4: 173-187 '53. (MIRA 9:4)

1. Chlen-korrespondent AN USSR.
(Phytoncides) (Plants, Protection of)

ZVEREZOMB-ZUBOVSKIY, Ye.V.

I.I. Mechnikov and A.O. Kovalevskii and plant protection.
Zashch. rast. ot vred. i bol. 6 no.11:59-61 N '61.
(MIRA 16:4)

1. Chlen-korrespondent AN UkrSSR.
(Mechnikov, Il'ia Il'ich, 1845-1916)
(Kovalevskii, Aleksandr Onufrievich, 1840-1901)
(Plants, Protection of)

ZVERIK, A., instruktor-aviamodelist

Airplane model propeller made of plastic. Kryl.rod. 11 no.71
27-28 Ji '60. (MIRA 13:7)
(Propellers, Aerial--Models)

CZECHOSLOVAKIA

V. SKORPIL and E. ZVERINA, Neurosurgical Clinic Faculty General Medicine
Charles University in Prague.

"Conduction Speed in Cranial Nerves in Man."

Prague, Ceskoslovenska Neurologie, Vol 26(59), No 3, May 63; pp 152-155.

Abstract [English summary modified]: Stimulation electromyography of
facial nerve revealed conduction speed to be 42 ± 4 (40-50) m/sec for m.
frontalis, 43 ± 4 (34-46) for m. zygomaticus; of accessory spinal nerve
 71 ± 11 (50-89) for m. trapezius and of hypoglossal 57 ± 12 (40-75) for
the lingual muscles. Two electromyograms and diagram showing placements
of stimulating and recording electrodes for each of the 3 cranial nerves
studied. Three references: US thesis, British, Czech.

1/1

SKORPIL, V.; ZVERINA, E.

The rate of conduction in the cranial nerves in man. Gesk.
neurolog. 26 no.3:152-156 My '63.

1. Neurochirurgická klinika fakulty všeobecného lékařství KU
v Praze, přednosta prof. dr. Z. Kunc.
(FACIAL NERVE) (ACCESSORY NERVE)
(HYPOGLOSSAL NERVE)

SKORPIL, V.; ZVERINA, E.

Quantitative evaluation of denervation fibrillations in
electromyography with an electronic impulse counter. Cesk.
neurolog. 26 no.3:157-159 My '63.

1. Neurochirurgická klinika fakulty všeobecného lékařství KU
v Praze, přednosta prof. dr. Z. Kunc, DrSc.
(ELECTROMYOGRAPHY) (MYONEURAL JUNCTION)

CZECHOSLOVAKIA

V. SKORPIL and E. ZVERINA, Neurosurgical Clinic of Faculty of General Medicine of Charles University, Prague (Neurochirurgická klinika fakulty všeobecného lékařství Karlovy University) Head (prednosta) Prof Dr Z. KUNC, DrSc; Prague.

"Quantitative Evaluation of Denervation Fibrillations in Electromyography by Means of an Electronic Impulse Counter."

Prague, Ceskoslovenska Neurologie, Vol 26(59), No 3, May 63; pp 157-159.

Abstract [English summary modified]: Needle-electrode direct stimulation of 23 denervated muscles in 16 patients with lesions of peripheral neurons 2.5 months to 6 years after denervation with electronic counter to define fibrillations quantitatively in time. Impulse, amplitude and frequency varied generally being highest immediately after needle insertion, decreasing then rapidly. One diagram, 1 Western and 8 Czech (including 1 unpublished, senior author's 1962 thesis) references.

SKORPIL, VL.; VLADYKOVA, J.; ZVERINA, E.

The significance of electromyography of the oculomotor muscles for clinical practice, Cesk. oftal. 19 no.3:166-170 My '63.

1. Neurochirurgická klinika fakulty všeobecného lékařství KU v Praze, přednosta prof. dr. Z. Kunc, DrSc. Oční oddělení UVN v Praze, vedoucí doc. dr. V. Jensi.

(ELECTROMYOGRAPHY) (OCULOMOTOR MUSCLES)
(PERIPHERAL NERVE DISEASES) (MYONEURAL JUNCTION)
(MUSCULAR DISEASES)

SKORPIL, V.; ZVERINA, E.

Research on the conduction velocity of the ulnar nerve in man during general hypothermia. *Cesk. neurol.* 27 no.6:361-365 N '64.

1. Neurochirurgická klinika fakulty všeobecného lékařství Karlovy University v Praze, (prednosta dr. Z. Kund. DrSc.).

METELKA, M.; SKORPIL, V.; ZVERINA, E.; CERNA, J.

On the surgical treatment of facial nerve paralysis with the use
of tissue adhesives. Cas. lek. cesk. 102 no.44:1216-1219 1 N '63.

1. Neurochirurgická klinika fakulty všeobecného lékařství KU v
Praze; Ústřední vojenská nemocnice, (prednosta prof. dr. Z. Kunc,
DrSc.) a Fyziatické oddelení UVN v Praze, naceľnik MUDr. V.
Stastny.

*

SKORPIL, V.; ZVERINA, E.

Possibilities of the quantitative evaluation of EMG activity
with an electronic impulse counter in clinical practice. Cas.
lek.cesk. 103 no.6:152-156 7 Mr'64

1. Neurochirurgická klinika FVL KU Praha-Stresovice; pred-
nosta: prof.dr. Z.Kunc.

*

CZECHOSLOVAKIA

SKORPIL, V. and ZVERINA, E., Clinic of Neurosurgery (Neurochirurgická klinika), Faculty of General Medicine (Fakulta všeobecného lékařství), Charles University, Prague, Prof. Dr. Z. KUNC, Dr of Sciences, director.

"A Method of the EMG Evaluation of Peripheral and Central Mechanisms of Motor Recovery in Anastomosis of the Facial and Hypoglossal Nerves."

Prague, Ceskoslovenska Neurologie, Vol XXVI(LIX), No 5, September 63, pp 317-320.

Abstract [Authors' English summary]: A method is described of the quantitative electromyographic evaluation of motor activity in the facial muscles after anastomosis of the seventh and twelfth cranial nerves, by which it is possible to assess the motor reinnervation and relation of the peripheral and central factors in the resulting recovery after anastomosis. The method is graphically demonstrated in two cases. Six references, including 5 Czech.

SKORPIL, V.; ZVERINA, E.

Some electrophysiological findings in disk lesions. Cesk.
neurolog. 27 no.5:281-284 S '64.

1. Neurochirurgická klinika fakulty všeobecného lékařství
Karlovy University v Praze, (prednosta prof. dr Z. Kunc, Dr.Sc.)

ZVERINA, Karel, inz. chemie; TURNWALD, Jan, promovany chemik

Small recuperative tanks as new glass melting units, Sklar a keramik 12 no.10:306-307 0 '62.

1. Obalove a lisovane sklo, n.p., zavod Hermanova Hut.

ZVERINA, Karel, inz.

"Handbook on heat transmission" by S. S. Kutateladze and V. M. Borisanskij [Borishanskiy, V.M.]. Reviewed by Karel Zverina. Sklar a keramik 13 no.1:27 Ja '63.

ZVERINA, Miroslav

Economical use of oils. Inz stavby 11 no.2: Suppl: Mechanizace no.2:
31-32 '63.
1. Montovane stavby, n.p., Brno.

ZVERINA, Miroslav (Brno)

Some notes on the education of dirvers. Inz stavby 11 no.3: Suppl:
Mechanizace no.3:33-34 '63.

MOTYLEV, I.U., red. tekhn. nauk; ZVERINSKIY, G.I., prof.; KALYUZHNYY, I.S., kand. sel'khoz. nauk; AZIZOV, A.A., mlad. nauchnyy sotr.; POLETAYEV, A.V., kand. khim. nauk; ABRUTSKAYA, Ye.G., mlad. nauchnyy sotr. Prinimali uchastiye: BUTLITSKIY, Yu.V., mlad. nauchnyy sotr.; FEPOSEYEVA, T.I., mlad. nauchnyy sotr.; BIRUL', A.K., prof., doktor tekhn. nauk, retsenzent; ZVERINSKIY, G.I., inzh., retsenzent; KOVALEV, T.G., inzh., retsenzent; BASIN, M.M., inzh., retsenzent; DEBERDEYEV, B.S., red.; DONSKAYA, G.D., tekhn. red.

[Stability of earth roadbed and road mata in regions with artificial irrigation] Ustoichivost' zemlianogo polotna i dorozhnykh odezhd v raionakh iskusstvennogo orosheniya. [By] I.U.L. Motylev i dr. Moskva, Nauchno-tekhn. izd-vo M-va avtomobil'nogo transp. i shos. dorog RSFSR, 1961. 178 p. (MIRA 15:2)

(Uzbekistan--Road construction) (Uzbekistan--Irrigation)

ZVERINISVIR, U.S.S.R.

Application of chen-kiu therapy to diseased conditions of the
peripheral nervous system. Zdrav. Kazakh. 21 no.8:27-31 '61.
(MIRA 14:9)

1. Iz kafedry nervnykh bolezney (zav. - dotsent R.G.Mandryko)
Karagandinskogo meditsinskogo instituta.
(ACUPUNCTURE) (NERVOUS SYSTEM—DISEASES)

ULANOVA, Ye.S.; KONTORSHCHIKOVA, O.M.; ZVERINISEVA, Ye.S.; YARTSEVA,
N.A.; PROTSEROV, A.V., nauchnyy red.; MOKRETSOV, A.M., red.;
ZEMTSOVA, T.Ye., tekhn. red.

[Applicability of agrometeorological forecasting methods in different regions of the U.S.S.R.; results of field tests] Primeni-
most' metodov agrometeorologicheskikh prognozov v razlichnykh
raionakh SSSR; rezul'taty proizvodstvennykh ispytaniy. Pod red.
A.V.Protserova, E.S.Ulanovoi. Moskva, Gidrometeor. izd-vo,
1961. 156 p. (MIRA 15:2)

1. Moscow. Tsentral'nyy institut prognozov.
(Meteorology, Agricultural)

Differential equations with delay. Part 2. Izv. Sem. po teor.
diff. urav. s otklor. arg. 2:3-49 '63.

(MIRA 18:2)

ZVERKIN, A.M.

Completeness of a system of partial solutions to a differential equation with time lag and periodic coefficients. Trudy Sem. po teor. diff. urav. s otklon. arg. 2:93-112 '63.

Solution of linear equations with delay using the method of successive integration. Ibid.:146-161

Exceptional case of the location of the roots of a quasi-polynomial. Ibid.:238-242

(MIRA 18:2)

ZVERKIN, A.M.

Effect of the choice of the initial moment on the stability of
solutions to linear differential equations with delayed arguments.
Vest.Mosk.un.Ser.rat., mekh., astron., fiz., khim. 14 no.5:15-20
'59. (MIRA 13'8)

(Differential equations, Linear)

66153

SOV/20-128-5-4/67

~~16(1)~~ 16. 3400

AUTHOR: Zverkin, A.M.

TITLE: On the Theory of Linear Differential Equations Having a Lagging Argument and Periodic Coefficients

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 128, Nr 5, pp 882-885 (USSR)

ABSTRACT: The author states that not every linear differential equation with constant lagging of the argument can be reduced by linear transformation to an equation with constant coefficients. On the other hand there exists a class of irreducible equations, the partial solutions of which can be determined by means of the roots of a characteristic quasipolynomial. The author proposes a method which permits to obtain in this way a partial solution of

$$(6) \quad y'(t) = \sum_{k=0}^m a_k(t)y(t-kT),$$

where $a_k(t+T) = a_k(t)$. He discusses the transfer of the method to systems. The obtained particular solutions form a fundamental system (sufficient condition), if the given system of equations is reducible to a system with constant coefficients. The author formulates a theorem on the stability of

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On the Theory of Linear Differential Equations Having a Lagging Argument
and Periodic Coefficients

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the solutions of (6) without proof.

There are 2 references, 1 of which is Soviet, and 1 English.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova
(Moscow State University imeni M.V.Lomonosov)

PRESENTED: June 9, 1959, by I.G.Petrovskiy, Academician

SUBMITTED: June 5, 1959

SOURCE CODE: UR/0044/66/000/002/BU91/3092

ACC NR: AR6020782

AUTHOR: Zverkin, A. M.

TITLE: A series expansion for the solution of linear differential difference equations. Part I. Quasi polynomials

SOURCE: Ref zh. Matem, Abs. 2B311

REF SOURCE: Sb. Tr. Seminara po teorii differents. uravn. s otklon. argumentom. T. 3. M., 1964, 3-38

TOPIC TAGS: linear differential equation, differential equation solution, difference equation, asymptotic expansion

ABSTRACT: The properties of the quasi-polynomials

$$D(\lambda) = \sum_{r=0}^n \sum_{p=0}^m a_{rp} \lambda^r e^{-\tau_p \lambda}$$

are studied with a_{rp} and τ_p constants. Some peculiarities of the distribution of the roots of quasi-polynomials $D(\lambda)$ are established together with their asymptotic behavior. The paper is basically a survey although it contains original proofs of certain theorems (estimates from below of the distance between the roots of the quasi-polynomial; the maximum possible multiplicity of the roots of the quasi-polynomial; the establishment of the fact that there exists only a single root with such a multi-

ACC NR: AR6020782

plicity, and the method is given for its finding; the estimates of the number of roots within the bands parallel to the real axis are also refined). Numerous already known theorems are proved by new methods. It is noted that the second part of the paper will be devoted to the expansion of the solution of linear stationary equations with varying arguments into series over the basic solutions of the form $P(t)e^{\lambda_i t}$, where $P(t)$ is a polynomial, and λ_i is the root of the characteristic quasi-polynomial. [Translation of abstract]. L. El'sgol'ts

SUB CODE: 12

ZVERKINA, T.S.

Modified Adams formula for integrating equations with deviating
argument. Trudy Sem. po teor. diff. urav. s otklon. arg. 3:
221-232 '65. (MIRA 19:1)

BARDADYMOV, P.; ZVERKHOVSKIY, V.

Let's have more of the new and practical textiles of good
appearance. Sov.torg. 33 no.9:14-19 S '59. (MIRA 12:12)

(Textile industry)

ZVERKIN, A.M.

Existence and uniqueness theorems for an equation with deviating argument in the critical case. Trudy Sem. po teor. dif. urav. s otklon. arg. 1:37-46 '62.

Equivalence of various classes of initial conditions for equations with deviating argument. Ibid.:63-68 (MIRA 16:12)

69470

S/055/59/000/05/002/020

16, 3-100

AUTHOR: Zverkin, A. M.

TITLE: The Dependence of the Stability of Solutions of Linear
Differential Equations With Lagging Argument on the
Choice of the Initial Moment

PERIODICAL: Vestnik Moskovskogo universiteta. Seriya matematiki,
mekhaniki, astronomii, fiziki, khimii, 1959, No. 5, pp. 15-20

TEXT: The author considers equations of the type

$$(1) \quad y'(x) = \int_0^{\Delta(x)} y(x-s) dr(x,s), \quad \Delta(x) \geq 0,$$

where the integration in the Stieltjes integral is carried out with respect to s . The author investigates the dependence of the stability of the solution on the initial moment of the perturbations. Especially the author considers cases, where the stability does not depend on the moment of the disturbing influence.

Theorem 1: For the stability of the trivial solution of (1), where $r(x,s)$ is a nondecreasing function of s for arbitrary x , $A \leq x < \infty$, it is necessary and sufficient that the integral

$$\int_A^{\infty} r(x, \Delta(x)) - r(x, 0) \, dx$$

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The Dependence of the Stability of Solutions of Linear Differential Equations With Lagging Argument on the Choice of the Initial Moment

exists.

Theorem 4: If in the equation

$$(5) \quad y'(x) = a(x)y(x) + b(x)y(x - \tau(x)), \quad \tau(x) \geq 0$$

it is $b(x) > 0$ for $x > M$ and $b(x) \neq 0$ in $[A, M]$, $\tau(x) \geq \alpha > 0$ and $\tau'(x) \leq 1 - \beta$, $\beta > 0$, then from the stability under perturbations in the point A it follows the stability under perturbations in an arbitrary point.

There are 2 Soviet references.

SUBMITTED: October 4, 1955

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4

ZVERKIN, A.M.; KAMENSKIY, G.A.; NORKIN, S.B.; EL'SGOL'TS, L.E.

Differential equations with deviating argument. Usp.mat.nauk.
17 no.2:77-164 Mr-Apr '62. (MIRA 15:12)
(Differential equations)

SARKISOV, E.S.; CHEBOTAREV, N.T.; NEVZOROVA, A.A.; VERIKOV, A.I.

Oxidation of zirconium at high temperatures and the structure of
oxide films. Atom. energ. 5 no.5:550-553 N '58. (MIRA 12:1)
(Zirconium oxides)

SOV/89-5-5-7/27

5(2)

AUTHORS:

Sarkisov, E. S., Chebotarev, N. T., Nevzorova, A. A.,
Zver'kov, A. I.

TITLE:

The Oxidation of Zirconium at High Temperatures and the
Structure of the Primary Oxide Films (Okisleniye tsirkoniya
pri vysokikh temperaturakh i struktura pervichnykh oksidnykh
plenok)

PERIODICAL:

Atomnaya energiya, 1958, Vol 5, Nr 5, pp 550-553 (USSR)

ABSTRACT:

The investigation was carried out with two different layers
of zirconium. In the first case, a small zirconium plate
(dimensions: 8 . 15 . 0,5 mm) was used, which was produced
by hot rolling. The plate was then annealed for one hour
at a temperature of 700°C. Before oxidation the plate was
chemically polished in a solution of 40 % nitric acid, 5 %
hydrofluoric acid, and 55 % water.
Oxidation took place in steam and dry oxygen at temperatures
of from 150 to 800°C and under atmospheric pressure.
The time of exposure varied between 15 minutes and 10 hours.
By means of the scattering method the electrograms were
taken on an electronograph of the type EM-4.

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SOV/89-5-5-7/27

The Oxidation of Zirconium at High Temperatures and the Structure of the Primary Oxide Films

In the second case the zirconium foils were produced by evaporation of the zirconium in a vacuum on a mica base. The foils produced were removed from the mica base in distilled water. Oxidation was carried out as described above. The radiographic investigations were carried out by means of a camera of the type RKU-86 (Cr radiation). It was found that oxidation develops in stages. During the first stage of oxidation a thin layer with a marked textured cubic modification and characterized by very considerable passivation forms. The second stage is characterized by the occurrence of a textured monoclinic modification, which is located above the cubic modification. A further increase of the thickness of the foil is possible only at the expense of the increase of the internal monoclinic modification. The third stage of oxidation is characterized by the vanishing of the textured black oxidation layer which consists of the cubic and monoclinic modifications. The black layer goes over into a white one. At this instant the rate of oxidation of zirconium increases very considerably. The resistance to corrosion of the black layer might be

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SOV/89-5-5-7/27

The Oxidation of Zirconium at High Temperatures and the Structure of the Primary Oxide Films

brought into connection with the presence of a textured solid solution of zirconium in ZrO_2 . It was possible to show that the protective properties of the black layer apparently vanish as soon as a maximum of saturation of this solid solution with oxygen is attained. The consequence is that a non-textured white zirconium oxide with the well-known stoichiometric composition is formed. There are 6 figures, 2 tables, and 6 references, 0 of which is Soviet.

Card 3/3

LEVCHANOVSKIY, G.N., kand.tekhn.nauk; YEGOROVA, Z.F., inzh.; ZVER'KOV, A.Ye.

Soil stabilization in Novosibirsk Province with pulverized quick
lime treated for waster resistance. Avt.dor. 24 no.5:10-12
My '61. (MIRA 14:6)

1. Nachal'nik Novosibirskogo dorozhno-stroitel'nogo upravleniya
(For Zver'kov).
(Novosibirsk Province—Soil stabilization) (Lime)

report presented at the 1st All-Union Congress of Theoretical and Applied Mechanics,
Moscow, 27 Jan - 3 Feb '60.

102. A. Zhurav (Leningrad): The stress of stress and deformation of the turbine blades.
103. L. K. Pisk (Moscow): On some new forms of the general solution of the three-dimensional problem of the theory of elasticity expressed in harmonic functions.
104. A. J. Derzhanov (Sverdlovsk): Generalization of the method of displacement in structural mechanics.
105. P. V. Derzhanov (Moscow), A. V. Kopylov (Leningrad): Surface phenomena in the mechanics of alloys.
106. A. V. Pijet (Moscow): Experimental data concerning the interaction of vibrations of different frequencies in concrete structures.
107. G. B. Zhuravskiy (Leningrad): Axiomatic problem.
108. B. M. Blyuzh (Leningrad): A finite difference analysis of cylindrical shells with rectangular holes.
109. A. I. Dvornik (Moscow): Generalization of Timoshenko's method of stability.
110. K. P. Babitskiy (Moscow): The construction of solutions of the equations of structural mechanics by means of special uniformly convergent series.
111. L. G. Bregman (Leningrad): A method of investigating the stability of plates and shells and the slip lines in anisotropic elasto-plastic materials.
112. A. V. Malozemov (Chernogolovka): The stability of a shell of a thin shell.
113. G. I. Mikhlin (Leningrad), L. P. Babitskiy (Moscow): A problem of stability of a shell of a thin shell under the action of a wave of loading, with application to the question of stress waves.
116. G. P. Bolotin (Leningrad): On the shear strength of fibrous-reinforced composites.
115. P. P. Bolotin (Leningrad): On friction in sandy soils and their shear strength.
114. A. V. Zhurav (Moscow): The deformation of the ground under an elastic foundation.
117. G. G. Kuvshinov (Moscow): On stresses and strains of thin shells under the action of a variable shear motion of normal and skewed supports.
118. G. G. Kuvshinov (Moscow): Determination of the intensity of a normal loading taking account of the arbitrary presence of a hole.
119. G. G. Kuvshinov (Moscow): The integral equation method of determining the creep characteristics of shells from observations in situ.
120. G. G. Kuvshinov (Moscow): The elastic-plastic bending of a beam.
121. G. G. Kuvshinov (Moscow): Elastic properties of a plastically deformed material under combined loading.
122. G. G. Kuvshinov, A. V. Zhurav (Leningrad): The integral equation method of determining the creep characteristics of shells from observations in situ.
123. G. G. Kuvshinov (Moscow): On the propagation of plastic zones in a beam under torsional loading.
124. G. G. Kuvshinov, G. K. Kopylov (Leningrad): An experimental study of creep rupture characteristics of tubes under combined stresses.
125. G. G. Kuvshinov (Moscow): The propagation of an elastic wave in an uniaxial specimen.
126. G. G. Kuvshinov (Moscow): On the state of stress in compression and its effect on the construction of beam's circles.
127. G. G. Kuvshinov, G. K. Kopylov (Leningrad): The laws of deformation and rupture of shells.
128. G. G. Kuvshinov (Leningrad): Flow of visco-elastic shells under impact loading.
129. G. G. Kuvshinov (Moscow): The hypothesis of isochoric stability of plastic materials and the rolling of metals.
131. G. G. Kuvshinov (Moscow): On the anisotropy of elastic and plastic shells.
132. G. G. Kuvshinov, G. K. Kopylov (Leningrad): Plastic tension and compression of shells under impact loading. Some experimental results through prior plastic deformation have been obtained.
133. G. G. Kuvshinov, G. K. Kopylov (Moscow): Identification of elastic circles and vibrations in aircraft structures by means of electronic computers.

7(0)

AUTHOR:

Zver'kov, B. V.

SOV/32-24-12-37/45

TITLE:

Machine for Studying the Endurance of Tubes Under Pressure
With Cyclic Deflection (Mashina dlya issledovaniya
dlitel'noy prochnosti trub pod davleniyem s tsiklicheskim
izgibom)

PERIODICAL:

Zavodskaya Laboratoriya, 1958, Vol 24, Nr 12,
pp 1514 - 1516 (USSR)

ABSTRACT:

The machine mentioned in the title was developed, produced,
and used in the institute mentioned in the association
in the beginning of 1957. The testing conditions
correspond to the working conditions of tubes and vapor
conductors in boiler works. The diagram given (Fig 1)
indicates that the tube sample is located in an electric
furnace. The loading for the cyclic bending of the
sample is carried out using an electric motor over an
eccentric wheel. The pressure within the system is
achieved in the same way as in the TsKTI apparatus,
used for testing the endurance of tubes toward internal

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Machine for Studying the Endurance of Tubes Under
Pressure With Cyclic Deflection

SOV/32-24-12-37/45

pressure (Ref 1). The error in measurement in relation to the bending moment is about 3%. The placing of the machine on the desired loading cycle is carried out by using cells attached to the lever. 15, 30, and 60 cycles per minute are proposed. Two samples can be determined simultaneously on the machine. There are 2 figures and 1 Soviet reference.

ASSOCIATION: Tsentral'nyy kotloturbinnyy institut im.I. I. Polzunova
(Central Boiler-Turbine Institute imeni I. I. Polzunov)

Card 2/2

ZAKHAROV, A.A.; ZVER'KOV, B.V.; PLATONOVA, N.G.

Device for testing specimens for long-period strength in bending
in tensile-testing machines. Zav.lab. 28 no.8:1005-1006 '62.

(MIRA 15:11)

1. Tsentral'nyy kotloturbinnyy institut imeni I.I.Polzunova.
(Testing machines)

ZVER'KOV

06-3-14/26

AUTHOR: Zver'kov B.V. (Engineer)
TITLE: The long term strength of tubes with complex loading. (Dlitel'naya prochnost' trub pri slozhnykh nagruzkakh.)

PERIODICAL: Teploenergetika, 1958, No.3. pp. 51-54 (USSR)

ABSTRACT: An installation for testing the long term strength of tubes with combined internal pressure and bending is illustrated diagrammatically in Fig.1 and a corresponding installation for combined pressure and torsion in Fig.2. The test section of the tube was contained in an electric furnace. The accuracy of the test data was of the order of 3 - 5%. The test specimens were made of austenitic steel $\Xi\Pi-094$ (1X13H16E). For long term tensile tests the samples were made in the form of cylinders of 4.6 - 5.1 mm diameter with a length to diameter ratio of about 10 cut from the wall of the tube. For the main tests the specimens were pieces of steam superheater tubes of 32 x 5.6 mm in the condition as delivered. Tables 1 & 2 give data on long term strength tests on specimens in tension and tubes under pressure. Table.3 gives data for tubes subject only to torque and they lost their stability, large cracks were formed on the surface of the specimens. The results of tests with combined pressure and twisting are given in Table.4. There were individual cracks formed on the outer surface of the specimens and on the internal surface there was a network of fine cracks. (See illustrations in Figs.3 & 4). The results of tests on tubes

Card 1/2

ZVER'KOV, S.N., gornyy inzh.; STEPASHKO, A.P., gornyy inzh.; GRIGOR'YANTS,
E.A., gornyy inzh.

Improving the technology of boring and blasting operations at
Noril'sk Combine strip mines. Gor. zhur. no.6:11-16 Ja '65.

Improving boring and blasting operations at the "Zapolyarnyy
mine. Ibid.:25-28 (MIRA 18:7)

ZVER'KOV, S.N., gornyy inzh.

Large-scale hole firing in an open-pit mine beyond the Arctic
Circle. Gor. zhur. no.12:27-29 D '60. (MIRA 13:12)

1. Noril'skiy gorno-metallurgicheskiy kombinat.
(Noril'sk--Strip mining) (Blasting)

ZVER'ZOV, S.N., gornyy inzh.; LOMONOSOV, G.G., gornyy inzh.

Kind of explosives needed by the "Medvezhiy Ruchey" mine. Gor.
zhur. no.10:41-43 0 '58. (MIRA 11:10)

1. Rudnik "Medvezhiy ruchey."
(Noril'sk--Mining engineering) (Explosives)

LOMONOSOV, G.G., gornyy inzh. ; ZVER'KOV, S.N.

Water blasting method of breaking oversized rocks in open pits. Gor. zhuz.
no.4:35-37 Ap '63. (MIRA 16:4)

1. Moskovskiy institut radioelektroniki i gornoj elektromekhaniki
(for Lomonosov). 2. Glavnyy inzh. rudnika "Yuznyy" (for Zver'kov).
(Blasting)

ZVERKOVA, A.S.

Differential diagn. of acute agranulocytosis and acute aleukemic
leukemia. Trudy Kiev. nauch.-issl. inst. perel. krovi i neotlozh. khir.
3:194-200 '61. (MIRA 17:10)

1. Kiyevskiy institut perelivaniya krovi.

ZVERKOVA, A. S. Cand Med Sci -- "Role of auto-antibodies in the pathogenesis of agranulocytosis and other types of ~~leukopenia~~ leukopenia." Kiev, 1961 (Kiev Order of Labor Red Banner Med Inst im Academician A. A. Bogomolets). (KL, 4-61, 209)

COUNTRY : USSR
CATEGORY : Human and Animal Physiology, Blood
ABS. JOUR. : RZhMiol., No. 5 1959, No. 21996
AUTHOR : Zverkova, A.S.
INST. :
TITLE : The Role of Autoantibodies in the Pathogenesis of
Agranulocytosis and other Types of Leukopenia.
ORIG. PUB. : Vrachebn. delo, 1957, No. 4, 347--350

ABSTRACT : Of the 75 patients followed, 14 had agranulocytosis, 37 had other types of leukopenia, and 24 had normal leukocyte levels. Autoantibodies (leukoagglutinins and leukolysins) were detected in the serum of the patients with agranulocytosis. The serum of these patients agglutinated the granulocytes in the blood of healthy subjects and patients with myeloid leukemia, but did not agglutinate lymphocytes and monocytes. A relationship was established between the intensity of agglutination and leukolysis and the clinical state of the

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T-43

ZVERKOVA, F. A.

Vitamin A in dermatology and hypervitaminosis A. Vest. dermat. i
ven. no.6:10-17 '61. (MIRA 15:4)

1. Iz kafedry kozhnykh bolezney (zav. - prof. S. Ya. Golosovker)
Leningradskogo pediatricheskogo meditsinskogo instituta (dir. -
kandidat meditsinskikh nauk Ye. P. Semonova)

(VITAMINS--A) (HYPERVITAMINOSIS) (DERMATOLOGY)

782. ROLE OF VITAMIN A AND CAROTENE IN SOME SKIN DISEASES OF INFANTS IN THEIR FIRST YEAR OF LIFE (Russian text) - Zverkova F. A. - VOPR. OKHR. MATER. I DETS. 1957, 2 (19-27)

Blood concentration of vit. A and carotene of breast-fed infants suffering from various skin diseases and of their mothers was studied. A control group of healthy babies and their mothers was also investigated. It was found that: (1) Vit. A and carotene contents of the blood of healthy infants under one year of age show seasonal variation and changes dependent on the type of feeding. (2) In the case of erythroderma desquamativum the blood level of those substances is greatly lowered. (3) This fall depends on both exogenic and endogenic factors (gastro-intestinal disorders, disorders of liver function). (4) Vit. A and carotene concentration in the blood and milk of mothers breastfeeding babies suffering from erythroderma desquamativum is low. Addition of those substances to the diet of the mothers constitutes an integral part of the treatment. (5) In dermatitis herpetiformis of the newborn the blood levels of vit. A and carotene are low. This fall becomes even more accentuated in exfoliative dermatitis. (6) In cases of infantile eczema the amounts of circulating vit. A and carotene are larger than normal as a result of interference with general metabolism. (7) Administration of vit. A to infants suffering from eczema helps in restoration of normal metabolism. Administration of vit. A during pregnancy, especially in cases of toxemia of pregnancy, is an important factor in prevention of skin disease in infants. (S)