

VILENSKIY, A.P.; KAVARDIN, G.I.; BRAVTCOVA, I.I.; STALINCHIKOVA, G.N.;
KAZAKOV, A.N., red.

[Petrology of trap intrusions on the right bank of the
lower reaches of the Yenisey River] Petrologiia trappo-
vykh intruzii pravoberezh'ia nizhnego techenia Eniseia.
Moskva, Nauka, 1964. 236 p. (MIRA 17:9)

VILENKIY, A.M.; KAVARIN, G.I., KHAVTSOVA, L.I.; STARITSYNA, G.N.

Petrology of trap intrusions. Zap. Vses. min. olva 92 no.6:
674-683 '63. (MIRA 18:3)

1. Nauchno-issledovatel'skiy institut geologii Arkhiki, Leningrad.

GERSHGORN, M.A.; KRAVTSOVA, I.P.; KAZARNOVSKIY, D.S., kand. tekhn. nauk;
RYABININ, B.G.

Manganese Bessemer steel for rails. Met. i gornerud. prom. no.5:
23-26 S-0 '64. (MIRA 18:7)

DERFEL', A.G.; KRAVTSOVA, I.P.; DYUBIN, N.P.; SVIRIDENKO, F.F.; POPOVA, A.N.;
DOJINENKO, O.V.; SHAROV, B.A.; Prinimali uchastnye: DYUBINA, A.V.;
TARASOVA, L.P.; LESENKO, I.I.; LEVCHENKO, N.D.; BONDARENKO, A.V.

Using ferrotitanium for the deoxidation of rail steel and
its properties. Sbor. trud. UNIIM no.11:365-378 '65.

(MIRA 18:11)

KAZARNOVSKIY, D.S., doktor tekhn. nauk; GERSHGORN, M.A., inzh.; SVIRIDENKO,
F.F., inzh.; KRAVTSOVA, I.P., inzh.; SHNAPERMAN, L.Ya., inzh.

Development, adoption, and introduction of a low-alloy steel
for heavy type railroad rails. Stal' 25 no.4:355-357 Ap '65.
(MIRA 18:11)

1. Ukrainskiy nauchno-issledovatel'skiy institut metallov i
zavod "Azovstal'".

GERSHGORN, M.A.; SVIRIDENKO, F.F.; KAZARNOVSKIY, D.S.; KEAVTSCOVA, I.R.;
POPOVA, A.H.; FRADINA, M.G.; Primali uchastiye: LUKASHOV, G.G.;
RUDOL'SKIY, N.L.; SIEPKANEV, N.P.; PLISUNOVSKIY, S.T.; GORBANEV,
Ya.S.; BUL'SKIY, M.T. [deceased]; ARKHANGEL'SKIY, Yu.N.; SHAROV,
B.A.; VISTOROVSKIY, N.T.; RAKHANSKIY, B.I.; SAPOCHEOV, V.Ye.;
RYABININ, N.G.; KARAKULINA, R.R.; FADYEVA, A.M.; IVYEV, B.A.

Improving the production of high-strength rails by alloying
them with granulated ferrochromium in the ladle. Stal' 25
no.5:408-411 My '65. (MIRA 18:6)

1. Ukrainskiy nauchno-issledovatel'skiy institut metallov i zavod
"Azovstal'".

ACC NR: AP6035654 (A) SOURCE CODE: UR/0133/66/000/011/1028/1029

AUTHOR: Kazarnovskiy, D. S. (Professor, Doctor of technical sciences);
Gunin, I. V. (Candidate of technical sciences); Krivono ov, Yu. I.
(Candidate of technical sciences); Kravtsova I. P. (Candidate of tech-
nical sciences); Saprygin, Kh. M. (Candidate of technical sciences);
Arshavskiy, V. Z. (Candidate of technical sciences); Chatverikov, A. V.
(Engineer); Mogilevskiy, I. I. (Engineer); Orinichev, S. I. (Engineer)

ORG: none

TITLE: Production technology for high-strength rails

SOURCE: Stal', no. 11, 1966, 1028-1029

TOPIC TAGS: high strength steel,
metal cladding, railway track, bimetal, hot rolling/M75X steel,
G13 steel, Rk5 steel, St.5 steel

ABSTRACT: An investigation had been made to develop a process for pro-
ducing bimetallic rails, i.e. rails with a high-strength steel head.
St.5 steel billets clad with M75X, G13, or Rk5 alloy steels were hot-
rolled into 100 x 150 mm bars which, after reheating, were rolled into
R-18 type rails. Rails with arc-deposited cladding had the highest bond
strength and the most satisfactory surface quality. With M75X or Rk5-
steel cladding, satisfactory results were obtained with cast composite

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UDC: 621.771.26

ACC NR: AP6035654

or pack-rolled billets. Rails with G13 steel cladding as unsatisfactory properties. Orig. art. has: 3 figures.

SUB CODE: 13/ SUBM DATE: none

Card 2/2

L 27054-66 EWT(1)/EWT(m)/EWP(j)/T/ETC(m)-6 DS/WW/RO/JK/RM

ACC NR: AP6017434

SOURCE CODE: UR/0069/65/027/006/0882/0887

AUTHOR: Tovbin, M. V.; Datsenko, D. F.; Kravtsova, L. E.ORG: Department of Physical and Colloid Chemistry, Kiev University (Kafedra fizicheskoy i kolloidnoy khimii Kiyevskogo universiteta)TITLE: Inertial entrapment of aqueous aerosol¹ particles by the surface of drops

SOURCE: Kolloidnyy zhurnal, v. 27, no. 6, 1965, 882-887

TOPIC TAGS: aerosol, flow velocity, colloid chemistry

ABSTRACT: The entrapment of droplets of an aqueous aerosol¹ by relatively large drops falling at a high velocity (so that entrapment was purely inertial) was studied. The amount of entrapment was measured by using an aerosol that contained methylene blue as a tracer and determining the amount of methylene blue taken up by the larger drops. The coefficient of entrapment α increased considerably with a decrease in the size of the falling drops. The values of α calculated according to an empirical formula given by A. G. Amelin and M. I. Belyakov (Kolloidnyy Zhurnal, 18, 385, 1956) showed satisfactory agreement with the experimental results, while those calculated according to J. Langsur (J. Meteorol., 5, 175, 1948) were much too high. Use of saturated aqueous solutions of NaCl, NH₄Cl, and iso-Am alcohol or of an 0.5% aqueous solution of sodium oleate or $[Me_3N-R]/Cl$ (R = C₁₆-C₁₈) instead of water for the falling drops did not affect α - i.e., at the high velocities applied diffusion forces did not exert

Card 1/2

UDC: 541.182.2/3

L 27054-66

ACC NR: AP6017434

any effect on entrainment. The results obtained are of importance in connection with the development of techniques for inducing precipitation from clouds by artificial means. Orig. art. has: 2 figures, 6 formulas, and 2 tables. [JPRS]

SUB CODE: 07 / SUBM DATE: 10Jun64 / ORIG REF: 004 / OTH REF: 010

Card 2/2 *f/*

KRAVTSOVA, L.M.

Temperature conditions in the free atmosphere over the Ukrainian
S.S.R. Trudy NIIAK no.3:3-56 '57. (MIRA 11:10)
(Ukraine--Atmospheric temperature)

ACCESSION NR: AT4026424

8/2667/63/000/011/0051/0065

AUTHOR: Kravtsova, L. M.

TITLE: Certain characteristics of the tropopause over the USSR

SOURCE: Moscow. Nauchno-issledovatel'skiy institut aeroklimatologii. Trudy*, no. 11, 1963. Klimatologiya i aviaklimatologiya (Climatology and aviation climatology), 51-65

TOPIC TAGS: meteorology, tropopause, air temperature, wind velocity

ABSTRACT: An analysis has been made of changes in the height and temperature of the tropopause on the basis of aeroclimatic data for 80 stations in the Soviet Union, for the most part over a 10-year period; aeroclimatic data also were used from 24 stations for the period 1950-1956. In addition, a special study was made of the lower boundary of the tropopause and certain other parameters using IGY data for stations along the air route between Moscow and Irkutsk. The text in large part is a commentary on the two significant maps compiled — four seasonal maps of the height of the lower boundary of the tropopause (Fig. 1 of the Enclosure) and four maps of the annual amplitude of variations in the mean monthly values of the height of the lower boundary of the tropopause, pressure at the lower

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ACCESSION NR: AT4026424

boundary of the tropopause, temperature at the lower boundary of the tropopause and wind velocity at the lower boundary of the tropopause (Fig. 2 of the Enclosure) The classification of the tropopause developed at the Nauchno-issledovatel'skiy institut aeroklimatologii (Scientific Research Institute of Aeroclimatology) is cited: type I — a tropospheric drop of temperature is replaced by isothermal conditions or a very slight inversion; type II — a tropospheric drop of temperature is replaced by isothermal conditions, which then are replaced by a considerable inversion; type III -- a tropospheric drop is replaced by a considerable inversion; type IV — a multilayer tropopause. The characteristic curves of individual types of tropopause are shown in Fig. 3 of the Enclosure. Figures 4-6 of the Enclosure show curves of the annual variation of types of tropopause over different geographic regions of the SSSR. The text and figures in the original are supported by detailed tables. Especially detailed information is given for the height of the lower boundary of the tropopause, minimum temperature and level of the maximum wind velocity along the air route from Moscow to Irkutsk. Orig. art. has: 6 figures and 8 tables.

ASSOCIATION: Nauchno-issledovatel'skiy institut aeroklimatologii (Scientific Research Institute of Aeroclimatology)

Card 2/11

KRAVTSOVA, L.M., red.; MAKAROVA, N.M., red.

[Climatic characteristics of cloud cover for the period of
the IGY and IGC; northern hemisphere] Klimaticheskie kha-
rakteristiki oblachnosti za period MGG i MGS; Severnoe
polusharie. Moskva, Nos. 2, 4. 1965. (MIRA 18:12)

1. Moscow. Nauchno-issledovatel'skiy institut aeroklimato-
logii.

L 2893-66 EWT(1)/FCC GW

ACCESSION NR: AT5022394

UR/2667/65/000/034/0023/0030

AUTHOR: Kravtsova, L. M. 47, 55

47
44
8+1

TITLE: On the methodology of the climatological treatment of polar and tropical tropopause characteristics

SOURCE: Moscow. Nauchno-issledovatel'skiy institut aeroklimatologii. Trudy, no. 34, 1965. Aeroklimatologiya (Aeroclimatology), 23-30

TOPIC TAGS: tropopause, troposphere, wind, meteorological phenomenon, meteorology, aerodynamic characteristic

ABSTRACT: Data on the observation of the tropopause at 19 different observation points distributed over the southern part of the Soviet Union between the latitudes of 38-50° and longitudes of 24-78° over a period from 1956 to 1960 are presented. The lower limit and the nature of the tropopause were determined by the method of F. N. Stel'makh (Metodika opredeleniya sloya tropopauzy. Trudy NIIAK, vyp. 1, 1957). The frequency of recurrence of the lower and upper limit for the tropical and polar tropopause at climatologically selected observation points is presented graphically (see Fig. 1 on the Enclosure). It is concluded that a climatological treatment of the data on the tropopause (in which the tropical

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L 2893-66

ACCESSION NR: AT5022394

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tropopause is treated separately from the polar one) yields valuable results which afford a better description of the properties of the transition layer between the polar and tropical tropopause than conventional treatment of such data. Orig. art. has: 2 tables and 4 graphs.

ASSOCIATION: Nauchno-issledovatel'skiy institut aeroklimatologii, Moscow (Scientific Research Institute for Aeroclimatology)

SUBMITTED: 00

ENCL: 02

SUB CODE: ES

NO REF SOV: 008

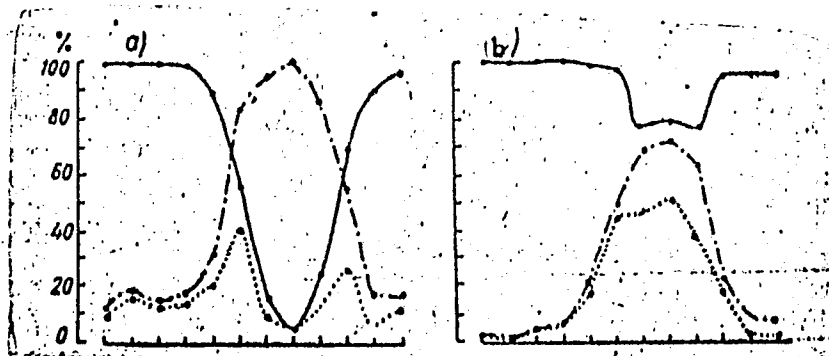
OTHER: 002

Card 2/4

L 2893-66

ACCESSION NR: AT5022394

ENCLOSURE: 01



to card 4/4

Card 3/4

L 2893-66

ACCESSION NR: AT5022394

ENCLOSURE: 02

from card 3/4

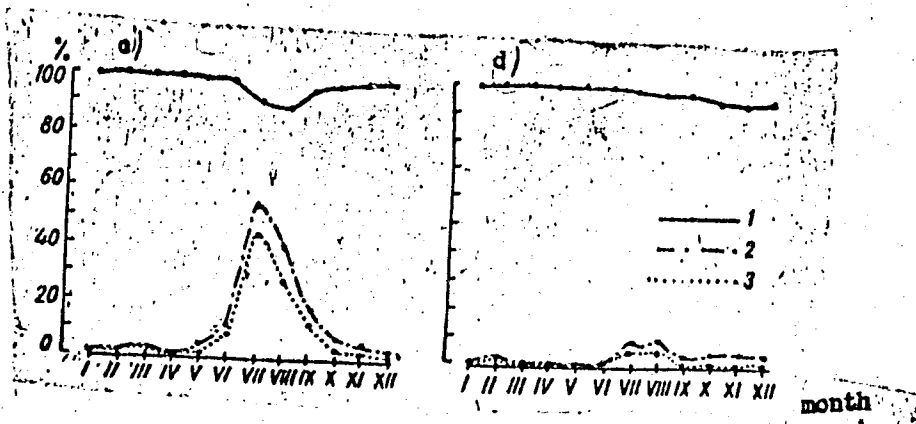


Fig. 1.
Annual recurrence of polar and tropical tropopause.
a- Ashkhabad, b- Alma-Ata, c- Astrakhan', d- L'vov.
Tropopause: 1- polar, 2- tropical, 3- complex.

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L 2338-66 EWT(1)/FCC GW
ACCESSION NR: AT5022395

UR/2667/65/000/034/0031/0034

26
23
B+1

AUTHOR: Kravtsova, L. M.

TITLE: Certain characteristics of the cloud cover in the Sverdlovsk region

SOURCE: Moscow. Nauchno-issledovatel'skiy institut aeroklimatologii. Trudy, no. 34, 1965. Aeroklimatologiya (Aeroclimatology), 31-34

TOPIC TAGS: meteorology, cloud level, cloud cover, atmospheric stratification, weather forecasting 44,55,12

ABSTRACT: The results of 74 airplane soundings of the atmosphere over Sverdlovsk during January 1958-1960 are reported. Special emphasis is placed on: 1) the probable presence of clouds of medium and high strata and the number of clouds at each stratum rated on a scale: from 0-2, 3-7, and 8-10 points; and 2) stratification of clouds: probability of 3-, 2-, and single-layer overcast. The study was conducted in order to improve weather forecasting for aviation purposes. Data were collected mainly during the ascent at 4 a.m. and 4 p.m. (every other day). The average height of the ascent was ~ 7 km. The heights of lower and upper limits of the clouds were registered for only the lower and medium strata; those

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L 2338-66

ACCESSION NR: AT5022395

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for the high strata (especially its upper limits) were insufficient for a statistical study. Clouds of the upper stratum were observed in 45 cases, in 65% of which they would have been obscured from the earth's surface by unbroken clouds of the lower or medium stratum. It was found that in the lower stratum the probability of a clear sky increases toward evening and that the reverse is true for the upper stratum. The study of the vortical cloud structure over Sverdlovsk has shown that a three-layer stratum was found in 24% of all cases, single-layer stratum in 23%, and various combinations of two-layer cloud cover were found in 32%. Orig. art. has: 3 tables.

ASSOCIATION: Nauchno-issledovatel'skiy institut aeroklimatologii, Moscow
(Scientific Research Institute for Aeroclimatology)

SUBMITTED: 00

ENCL: 00

44,55

SUB CODE: ES

NO REF SOV: 007

OTHER: 000

beli
Card 2/2

ACC NR: AP7003782

SOURCE CODE: UR/0291/66/000/006/0025/0027

AUTHOR: Savranskaya, S. D.; Kravtsova, L. V.; Askarov, M. A.

ORG: NIIKhTTs

TITLE: Copolymerization of acrylonitrile and n-butyl methacrylate under the influence of organomagnesium catalysts

SOURCE: Uzbekskiy khimicheskii zhurnal, no. 6, 1966, 25-27

TOPIC TAGS: acrylonitrile, copolymerisation, methacrylate, Grignard reagent

ABSTRACT: In order to determine the influence of the nature of the solvent on the properties of an acrylonitrile - n-butyl methacrylate copolymer, the copolymerization was carried out at different temperatures with different monomer ratios in ethyl ether and toluene in the presence of the catalyst n-butylmagnesium bromide (0.4 mole of catalyst per mole of acrylonitrile was used). The specific viscosities of the products showed the presence of low-molecular substances. A decrease in reaction temperature raised the specific viscosity of the copolymer, this being characteristic of an anionic mechanism of polymerization of the monomers. Since the Grignard reagents constitute a complex equilibrium mixture and because of the presence of $(MgX)^+$, $(RMg)^+$ or $(Mg)^{++}$ ions, the initiation of the copolymerization may involve a stage of formation of intermediate complexes; in this case, the nature of the solvent and the conditions of the reaction medium play a considerable part in the initiation process. Orig. art.

Card 1/2

ACC NR: AP7003782

has: 1 figure and 1 table.

SUB CODE: 07/ SUBM DATE: 24Jun65/ ORIG REF: 001/ OTH REF: 005

Card 2/2

A. A. Kravtsova, M.D.

USSR/Pharmacology, Toxicology. Chemotherapeutical Preparations V-7

Abs Jour : Ref Zhur - Biol., No 5, 1958, No 23448

Author : Kravtsova M.P.
Inst : Not Given
Title : Sintomycin Therapy of Trachoma

Orig Pub : Zdravookhr. Belorussii, 1957, No 6, 47-50

Abstract : Sintomycin (I) was used in the treatment of 980 patients, afflicted with trachoma. Cure was effected in the following periods: up to 3 months in 48.2% of patients, up to 6 months in 46% of patients. The most effective was a 10% or a 1% I emulsion. In severe forms of trachoma sintomycin was prescribed orally and subconjunctival injections of a 0.33% of I aqueous solution were administered.

Card : 1/1

TSVETKOV, V.P., starshiy prepodavatel'; KOVALEVSKIY, A.N., starshiy
laborant; KRAVTSOVA, N.F., assistent.

Some applications of differential filters in X-ray
structural analysis. Dop.ta pov.L'viv.un. no.3 pt.2:43-44
'52. (MLRA 9:11)

(X-ray crystallography)

KRAVTSOVA N.F.

Category : USSR/Solid State Physics - Phase Transformation in Solid Bodies E-5

Abs Jour : Ref Zhur - Fizika, No 2, 1957 No 3845

Author : Kravtsova, N.F.

Title : Effect of Temperature on the Structure of Tungsten Helices

Orig Pub : Dopovidi ta povidomennya. L'vivs'k. un-t, 1955, vip. 6, ch. 2, 124-127

Abstract : No abstract

Card : 1/1

S/185/62/007/012/016/021
D234/D308

AUTHORS: Kravtsova, N.F. and Tsvytkov, V.P.
TITLE: Experimental investigation of the atomic scattering curve of Ni

PERIODICAL: Ukrayins'kyy fizychnyy zhurnal, v. 7, no. 12, 1962, 1355 - 1360

TEXT: The atomic scattering curves of Ni and NiO powders were determined, taking the (220) reflection line of NaCl for comparison. The results were corrected for dispersion and temperature. For $(\sin \theta)/\lambda > 0.4$ the f-curves coincide with those calculated by Hartree-Fock method. For smaller angles the Thomas-Fermi method is applicable. Deviation of the experimental curves from those obtained by the Hartree-Fock method with small angles can be explained by insufficient accounting for the exchange of outer electrons in heavy atoms, or by special properties of the 3d shells. The number of electrons in the latter is determined using the f_0 values obtained by Watson and Freeman, and the result

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✓

Experimental investigation ... S/185/62/007/012/016/021
D234/D308

is 6.9 ± 0.2 (Ni) and 6.7 ± 0.3 (Ni⁺⁺ in NiO). There are 2 figures.

ASSOCIATION: Komunars'kyi hirnychometalurhiyny instytut
(Komunarsk Institute of Mining and Metallurgy) ✓

SUBMITTED: May 31, 1962

Card 2/2

L 17023-63 EWT(1)/EWP(q)/ S/185/63/008/004/008/015

EWT(m)/BDS AFFTC/ASD JD

AUTHOR: Tsvytkov, V. R. and Kravtsova, N. F. 58

TITLE: Some questions in the study of electron distribution within atoms 21

PERIODICAL: Ukrayins'kyy fizychnyy zhurnal, v. 8, no. 4, April 1963, 469-478

TEXT: The authors study the scattering of copper atoms by the ionization method, and use the experimental data from this study to construct the radial distribution curve for electrons Cu and Ni atoms. They consider the possibility of applying an approximation method for plotting radial distribution curves to be used for determining the number of electrons which are weakly bound with the nucleus in solid bodies. Such a method would exhibit a relative error of 15 - 20% which, in the case of solid bodies, would be sufficient to allow gathering of additional information on the spatial distribution of electrons in atoms. It would also be useful in the study of the physical properties of electrons and the nature of the chemical bond.

ASSOCIATION: Girnychometalurgiynyi instytut (Mining and Metallurgical Institute, Komunarsk)

SUBMITTED: June 1, 1962
Card 1/1

ACCESSION NR: AP4009373

8/0126/63/016/006/0812/0819

AUTHOR: Kravtsova, N. F.

TITLE: Atomic scattering of x-rays and the electron density in chromium

SOURCE: Fizika metallov i metallovedeniye, v. 16, no. 6, 1963, 812-819

TOPIC TAGS: x ray scattering, chromium, atomic form factor, Hartree Fock formula, Thomas Fermi formula, copper, molybdenum, monochromatic reflection, polyerythrate, goniometer GUR 3, RKE cell, reflection measuring apparatus URS 50 I, diffraction, body centered lattice, scintillation counter

ABSTRACT: Experimental measurements were made of the charge density in atoms of chromium. Atomic form factors were computed and compared with theoretical values. Chromium was chosen for this study because it had body centered cubic lattices producing good resolution of the reflected rays and making it possible to judge the behavior of the form factor in a wide range of values of $\sin \theta/\lambda$. Powdered chromium was obtained by reduction from the oxide. The powder was sifted through silk cloth and was observed under a magnification of 450. The powder (grain size not above 10^{-4} mm) was then pressed into brass rings 2 mm thick, with internal diameter of 19 mm and external diameter of 24 mm. The intensity of reflection was

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ACCESSION NR: AP4009373

measured by an apparatus URS-50I equipped with scintillation counters. Experiments were performed on Cu and Mo with monochromatic reflection from polyerythrate crystals 15 x 10 x 3 mm in size. During measurement the specimen was subjected to rotary motion. Coniometric measurements were made in an apparatus GUR-3 equipped with RKE cells. The absolute value of reflection was obtained by comparing the value for (220) NaCl powder, the reflection power of which is known. The integral intensity was determined from the area under maximum diffraction, determined by means of a planimeter. The atomic structure factor is given by the formula

$$F_{hkl} = \left(\frac{I_{\mu} N_0^2 I_0^2 H_0 (PLG)_0}{I_0 \mu_0 N^2 H (PLG) e^{-2M}} \right)^{1/2}$$

where I is the integral intensity, μ the coefficient of attenuation, N the number of unit cells per unit volume, F the structure factor, H the recurrence factor, PLG the angular factor (P stands for polarization, L for Lorentz and G for form) and e^{-2M} the temperature correction. The index 0 indicates the standard NaCl specimen. The temperature correction was obtained by the formula

$$e^{-2M} = \exp \left[-2B \left(\frac{\sin \theta}{\lambda} \right)^2 \right]$$

where

$$B = \frac{6h^2}{m_e k^2} \left[\frac{D(x)}{x} + \frac{1}{4} \right]$$

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ACCESSION NR: AP4009373

Here m is the atomic mass of the substance under investigation, h the Planck's constant, k the Boltzmann constant, and θ the characteristic temperature (for Cr this is 560C). The form factors thus obtained were compared with those given by the Hartree-Fock and the Thomas-Fermi formulas. It was found that most of the experimental points lay close to the values given by Hartree-Fock formula, except at very small angles with $\sin \theta/\lambda \leq 0.4$, where they were nearer to Thomas-Fermi values. Orig. art. has: 6 formulas and 2 figures.

ASSOCIATION: Kommunarskiy gornometallurgicheskii institut UKrSSR (Kommunarsk Institute of Mining and Metallurgy, UkrSSR)

SUBMITTED: 18Mar63

SUB CODE: NP, MM

NO REF SOV: 005

ENCL: 00

OTHER: 003

Card 3/3

L 14815-65 EWT(m)/EWP(t)/EWP(b) ASD(a)-5/ASD(m)-3/AS(mp)-2/ASD(p)-3/ESD(t)

JD

ACCESSION NR: AP4044143

S/0126/64/018/002/0182/0186

AUTHOR: Tsvetkov, V. P.; Kravtsova, N. F.; Radchenko, M. Ye. ③

TITLE: Determination of the number of free electrons in metals by x-ray scattering, and the electronic heat capacity

SOURCE: Fizika metallov i metallovedeniye, v. 18, no. 2, 1964, 182-186

TOPIC TAGS: x ray scattering, electronic heat capacity, free electron number, electron concentration, metal

ABSTRACT: The experimental data on atomic scattering of x-rays were used for the determination of the number of electrons n which are outside the sphere equal to the atomic volume. This number was found to be equal to the number of free electrons contributing to the heat capacity. A comparison of the experimental values of the electronic heat capacity with those computed from Sommerfeld's formula, in which the values of n were used for the number of the free electrons, show a good agreement. Orig. art. has: 5 equations, 1 table

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L 14815-65

ACCESSION NR: AP4044143

2

ASSOCIATION: Kommunarskiy gornometallurgicheskiy institut (Kommunarsk
Mining-Metallurgical Institute) Metal Physics 18

SUBMITTED: 23Sep63

ENCL: 00

SUB CODE: *NP*, MM

NO REF SOV: 004

OTHER: 013

Card 2/2

SOSNOVIK, I.L., doktor med.nauk; KRAVTSOVA, N.M. (Vitebsk)

Clinical aspects and course of atypical forms of multiple sclerosis. Klin.med. no.9:31-35 '62. (MIRA 15:12)

1. Iz kafedry nervnykh bolezney (sav. doktor med.nauk I.L. Sosnovik) Vitebskogo meditsinskogo instituta.
(MULTIPLE SCLEROSIS)

KRAVTSOVA, N. M.

KRAVTSOVA, N. M.: "Colorimetric determination of chromium in the presence of carmoazine." Min Higher Education USSR. Novocherkassk Polytechnic Inst imeni S. Ordzhonikidze. Novocherkassk 1956. (DISSERTATION FOR THE DEGREE OF CANDIDATE IN CHEMICAL SCIENCE)

So.: Knizhnaya letopis' No.15, 1956, Moscow

KRAVTSOVA, N.M.

USSR/Analysis of Inorganic Substances

G-2

Abs Jour: Ref Zhur-Khimiya, No 6, 1957, 19574

Author : N. M. Kravtsova, V. I. Petrashen'
Inst : Polytechnical Institute of Novochoerkassk
Title : Colorimetric Determination of Chromium by Visual
Method with Application of Carmoisin

Orig Pub: Tr. Novochoerkas. Politekhn. In-ta, 1956, 41(55),
27 - 34.

Abstract: The method of the determination of Cr as a chromate with the application of carmoisin (I) (G.C. Spenser, Industr. and Engng Chem., 1932, 4, No 2, 245) was considerably improved. 0.4 ml of a 0.1% solution of I, 1 ml of 5 n. H₂SO₄ and the neutral chromate solution under investigation are intro-

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USSR/Analysis of Inorganic Substances

G-2

Abs Jour: Ref Zhur-Khimiya, No 6, 1957, 19574

reduced to Cr(3+), which at the first instant is not yet connected with aquoacid complexes and, therefore, easily produces a colored complex with the non-oxidized I.

Card 3/3

- 53 -

SOV/137-59-1-2190

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 1, p 288 (USSR)

AUTHOR: Kravtsova, N. M.

TITLE: Colorimetric Determination of Chromium by the Carmoazine Method
(Kolorimetricheskoye opredeleniye khroma karmoazinovym metodom)

PERIODICAL: Tr. Komis. po analit. khimii AN SSSR, 1958, Vol 8(11), pp 161-168

ABSTRACT: A colorimetric method was developed for determining Cr with carmoazine which produces a stable red-violet color with Cr in the 0.2-3 γ /cc range; Fe^{3+} impedes the colorimetric determination; the presence of Mn^{2+} , Co^{2+} , Ni^{2+} , Al^{3+} , Mo^{6+} , NO_3^- , and Cl^- is permissible in the following concentrations, respectively: 4000, 50, 60, 320, 50, 8000, and 1000 γ /cc. and V^{5+} 12.5 γ in 25 cc. K and Na have no effect on the colorimetric determination. The mean relative error of a determination in steel is 2.16%. The sequence of mixing and of addition of reagents, in contrast with the diphenylcarbazide method, have no effect on the result. The determination is carried out on an FEK-M colorimeter in 20-mm cells at 619m μ with a green light filter. For a complete color development the solutions

Card 1/2

SOV/137-59-1-2190

Colorimetric Determination of Chromium by the Carmoazine Method

are heated at 70°C for 15 min and cooled in running water. A 10- γ /cc Cr solution of K chromate is used for constructing the calibration curve.

K. K.

Card 2/2

SOV-3-58-9-6/36

AUTHORS: Durov, S.A., Professor, Doctor of Chemical Sciences, and Bykov, I.Ya.; Vologdina, M.P.; ~~Kravtsova, N.M.~~; Nemirovskiy, Ya.M.; Perova, N.I., and Torgashev, P.D., Candidates of Chemical Sciences

TITLE: The Training of Specialists in Chemistry - to Attain the Level of New Tasks (Khimicheskuyu podgotovku spetsialistov - na uroven' novykh zadach) Our Considerations (Nashi soobrazheniya)

PERIODICAL: Vestnik vysshey shkoly, 1958, Nr 9, pp 28-29 (USSR)

ABSTRACT: The authors consider that the article of Professor I.N. Putilova and Docent G.A. Raytsyn in Nr 7 of this periodical was published at the proper time, as it substantiates the necessity to bring the teaching of chemistry closer to the speciality of the respective vtuz, to revise the theoretical part of the course's program and to entitle the various vuzes to compose their own programs according to their individual sections. The authors (personnel of the Chairs of Inorganic and Organic Chemistry of the Novocherkassk Polytechnical Institute) set forth in the present article their considerations on the suggestions of I.N. Putilova and G.A. Raytsyn and de-

Card 1/2

SOV-3-58-9-6/36

The Training of Specialists in Chemistry - to Attain the Level of New Tasks.
Our Considerations

scribe how instruction in chemistry is organized in the Institute's various faculties. Since the number of students coming from plants is increasing year to year, and as many of them require a review course, the most important sections of elementary chemistry should be retained. The idea of specializing chemistry according to the type of vuz is absolutely correct.

There is 1 Soviet reference.

ASSOCIATION: Novocherkasskiy politekhnicheskiy institut imeni S. Ordzhonikidze (Novocherkassk Polytechnical Institute imeni S. Ordzhonikidze)

Card 2/2

BELYAKOV, Vasilii Mikhailovich; KRAVTSOVA, Raisa Ivanovna;
RAPPOPORT, Moisey Genrikhovich; KUZNETSOV, P.I., doktor fiz.-
matem. nauk, prof., otv. red.; YAKOVKIN, M.V., red.; BRUZGUL',
V.V., tekhn. red.; SIMKINA, G.S., tekhn. red.

[Tables of elliptic integrals] Tablitsy ellipticheskikh integra-
lov. Moskva, Izd-vo Akad. nauk SSSR. Vol.1. 1962. 655 p.
(MIRA 15:12)

(Functions, Elliptic) (Mathematics--Tables, etc.)

BELYAKOV, Vasilii Mikhaylovich; KRAVTSOVA, Raisa Ivanovna;
RAPPOPORT, Moysey Genrikhovich; KUZNETSOV, F.I., doktor
fiz.-matem. nauk, prof., otv. red.; YAKOVKIN, M.V., red.;
SIMKINA, G.S., tekhn. red.

[Tables of elliptic integrals] Tablitsy ellipticheskikh
integralov. Moskva, Izd-vo AN SSSR. Vol.2. 1963. 783 p.
(MIRA 17:2)

ACC NR: AP6029073

SOURCE CODE: UR/0413/66/000/014/0130/0130

INVENTOR: Kochman, E. D.; Kravtsova, R. I.; Golovanova, S. K.

ORG: None

TITLE: A method of electrolytic cadmium plating. Class 48, No. 184090 [announced by the Kazan Chemical Engineering Institute imeni S. M. Kirov (Kazanskiy khimiko-tekhnologicheskii institut)]

SOURCE: Izobret prom obraz tov zn, no. 14, 1966, 130

TOPIC TAGS: cadmium, electrolytic deposition, metal plating

ABSTRACT: This Author's Certificate introduces a method of electrolytic cadmium plating from electrolytes based on cadmium sulfate with the addition of ethylenediamine and joiner's glue. High quality coatings are produced by deposition from an electrolyte containing complex compounds of cadmium with pyrophosphate having the following composition: cadmium sulfate ($\text{CdSO}_4 \cdot 2.5\text{H}_2\text{O}$)--26 g/l; potassium pyrophosphate ($\text{K}_2\text{P}_2\text{O}_7 \cdot 3\text{H}_2\text{O}$)--200 g/l; joiner's glue--1 g/l; ethylenediamine (20% aqueous solution)--20 ml/l. The plating is done at a current density of 0.5-1.0 a/dm² and a temperature of 25-60°C.

SUB CODE: 11, 07/ SUBM DATE: 15Jun64

Card 1/1

UDC: 621.357.7:569.738

MANSKAYA, S.M.; DROZDOVA, T.V.; KRAVTSOVA, R.P.; TOBELKO, K.I.

Biogeochemistry of germanium. Geokhimiia no.5:433-439 '61.
(MIRA 14:5)

I. V. I. Verhadsky Institute of Geochemistry and Analytical
Chemistry, Academy of Sciences U.S.S.R., Moscow.
(Germanium)
(Peat)

DROZDOVA, T.V.; KRAVTSOVA, R.F.; TOBELKO, K.I.

Investigating complex compounds of phenols with germanium by means of paper electrophoresis and X-ray diffraction studies. Izv. AN SSSR Otd.khim.nauk no.1:38-44 Ja '62. (MIRA 15:1)

1. Institut geokhimii i analiticheskoy khimii im. V.I.Vernadskogo AN SSSR.

(Phenols) (Germanium compounds)

- KRAVTSOVA, T.M.

Graphic method of determining the volumes of blocks between parallel profiles. Razved. i okh. nedr 26 no.9:21-22 S '60. (MIRA 15:7)

1. Ural 'skoye geologicheskoye upravleniye.
(Mine examination)

ZANIN, G.V.; ALEKSANDROVA, V.D.; KRAVTSOVA, V.I.; SHAVRYGIN, P.I.

Division into natural regions of the new reclaimed farm lands in
the Altai Territory. Izv. AN SSSR. Ser. geog. no. 2:69-72 Mr-Apr '55.
(Altai Territory--Physical geography) (MLRA 8:6)

KRAVTSOVA, V. I. Cand Geog Sci -- (diss) ^{Abstract} "~~Region~~ (Kray) maps of natural
conditions for agricultural purposes (^{Devising} ~~The working-out of~~ the content and methods
of compilation according to the example of Altayskiy Kray)." Mos, 1968.
24 pp (Mos Order of Lenin and Order of Labor Red Banner State Univ in M. V.
Lomonosov. Geog Faculty), 100 copies (KL, 14-68, 110)

-21-

USSR / Soil Science. Genesis and Geography of Soils.

J-1

Abs Jour : Ref Zhur - Biologiya, No 16, 1958, No. 72634

Author : Kravtsova, V. I.

Inst : Council for the Study of Productive Resources AS USSR

Title : Test of Use of Topographical Maps of Scale 1:100,000 for Making a Soil Map of Scale 1:100,000,000

Orig Pub : Pochvovedeniye, 1958, No 1, 75-80

Abstract : Work was conducted by a special complex expedition along the new agricultural lands assimilated by the Council for the Study of Productive Resources AS USSR. It was shown that the major part of soil types can be divided on the basis of conventional symbols of a topographical map which are first interpreted as regards soils by means of a comparison with large-scale soil maps of different regions. A drawing of the "interpreted" soil contours is done on tracing paper which is placed on the scale of the

Card 1/2

Abs Jour : Ref Zhur - Biologiya, No 16, 1958, No. 72634

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826310017-3

topographical map than the random is possible to the required scale and is adapted. Relationships are examined of conventional symbols of topographical maps and the types of soils corresponding to them, conformable to the territory of the Altay Kray. The results of the analysis of the degree of detail and authenticity of the soils in six regions selected in various rayons of the kray (1600-3500 km²) show the correctness of use of the proposed method of making soil maps. The method is used for clarification of details of distribution of soil cover, its intrazonal characteristics after preliminary determination of general regularities of the spread of basic types and subtypes of soils. -- P. V. Shiradko

Card 2/2

AFRENOVA, R.A.; KRAVTSOVA, V.I.

On the projected program of the glacier atlas of the U.S.S.R.
Inform.sbor.o rab.Geog.fak.Mosk.gos.un.po Mezhdunar.geofiz.
godu no.3:41-60 '58. (MIRA 13:5)
(Glaciers--Maps)

KRAVTSOVA, V.I.

Generalization on soil maps. Nauch. dokl. vys. shkoly; geol.-geog.
nauki no.3:203-208 '58. (MIRA 12:1)

I.Moskovskiy universitet, geograficheskiy fakul'tet, kafedra
geodezii i kartografii.
(Soils--Maps)

AUTHOR: Kravtsova, V.I. 70/10-52-9-14/56

TITLE: An Attempt at Compiling a Map of Topographic Estimation for Agricultural Purposes (After the Example of Altayskiy Krai) (Opyt sostavleniya karty otsenki reliyefa dlya sel'skokhozyaystvennykh tseley - Na primere Altayskogo kraya)

PERIODICAL: Izvestiya Akademii nauk SSSR - Seriya geograficheskaya, 1958, Nr 5, pp 90-98 (USSR)

ABSTRACT: The article tells of the attempt to compile the type, content and method of a medium-scale map characterizing the topography of a region for agricultural purposes. The choice of elements composing the special content of the map is discussed, including morphometric peculiarities of the relief in connection with agriculture. A detailed description of the legend is given, which consists of three sections: 1) Inclination angles of the territory and relief types, 2) horizontal dissection of the territory, 3) the relief shape. The classification of each element was developed in accordance with agricultural requirements. A method to increase accuracy in drawing up the map is also given. It can be used for zoning, determination of fuel expense and of the amount of the machine tractor stock.

Card 1/2

30N/10-58-5-14/88

An Attempt at Compiling a Map of Topographic Estimation for Agricultural Purposes (After the Exam le of the Altayskiy Kray)

There are 2 sets of schematic drawings and 2 sets of graphs.

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

Card 2/2

KRAVTSOVA, V.I.

Use of terrestrial stereophotogrammetric surveying and
aerial surveying to compile a glaciological and geomorphological
map of Mount Elbrus. Inform.sbor. o rab. Geog. fak. Mosk.
gos. un. po Mezhdunar. geofiz. godu no.7:106-136-161.

(MIRA 15:11)

(Elbrus, Mount--Glaciers--Maps)
(Elbrus, Mount--Relief maps)

BLINOVA, V.L.; KRAVTSOVA, V.I.

Drainage map in the glacier atlas of Mount Elbrus. Inform.sbor.
o rab.Geog.fak.Mosk.gos.un.po Mezhdunar. geofiz.godu no.9:93-102
'62. (MIRA 16:2)

(Elbrus, Mount--Glaciers)
(Elbrus, Mount--Drainage--Maps)

L 9015-65 EWT(d) Pb-4 IJP(c)/RAEM(t)/AFETR/RAEM(1)/ASD(d)/ASD(a)-5/ESD(t)/
AFMD(p)/ESD(dp)/AEWL/AETC(b)/SSD

ACCESSION NR: ARK043057

S/0044/64/000/006/V084/V084

SOURCE: Ref. zh. Matematika, Abs. 6V526

AUTHOR: Kashirov, V. I.; Kravtsova, Ye. A.; Pottosin, Yu. E.; Tsvetnitskaya, S. A. B

TITLE: Block cell of the multidimensional fields of the L-machine

CITED SOURCE: Tr. Sibirsk. fiz.-tekh. in-ta, vyp. 42, 1963, 38-43

TOPIC TAGS: computer, multidimensional field, block cell, computer cell unit, ten dimensional field, information field element, information storage, information processing, computer element interaction, ferrite core, transistor, computer performance rate

TRANSLATION: The structure of a typical cell of a block of the multidimensional fields of the L-machine (RZhMat, 1964, 3V251) is described. The cell contains one of 1024 elements of the basic ten-dimensional information field, combining storage and conversion of the information and structurally similar to the ten-dimensional cube, and the corresponding elements of 13 additional fields to be used essentially for information storage. The cell structure provides for the performance in the

Card 1/2

L 9015-65

ACCESSION NR: AR4043057

basic field of the complex of elementary operations, based on interaction of each element of the basic field with the 10 elements adjacent to that field. Ferrite cores and transistors provide the technical basis of the cell, so that it can complete a full cycle in 30 microseconds. A Zakrevskiy

SUB CODE: DP

ENCL: 00

Card 2/2

KRAVTSOVA, Ye.F.

V factor content of blood plasma in liver diseases. Terp.arkh. 31
no.9:80-85 S '59. (MIRA 12:11)

1. Iz gospi'tal'noy terapevticheskoy kliniki imeni A.A. Ostroumova
(dir. - deystvitel'nyy chlen AMN SSSR prof. A.L. Myasnikov) I Moskov-
skogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova.
(LIVER DISEASES blood)
(BLOOD COAGULATION)

KRAVTSOVA, Ye.F.

Method for determining the amount of factor V in human blood plasma.
Lab. delo 6 no.5:26-29 S-0 '60. (MIRA 13:9)

1. Gosptal'naya terapevticheskaya klinika im. A.A. Ostroumova
(dir. - deystvitel'nyy ohlen AMN SSSR prof. A.A. Myasnikov) I
Moskovskogo ordena Lenina meditsinskogo instituta im. I.N.Sechenova.
(BLOOD—COAGULATION)

KRAVTSOVA, Ye.F.

Diagnosis and treatment of chronic hepatitises. Fel'd. i
akush. 28 no.6:31-35 Je'63. (MIRA 16:8)

1. Iz gospi'tal'noy terapevticheskoy kliniki I Moskovskogo
ordena Lenina meditsinskogo instituta imeni I.M.Sechenova.
(LIVER —DISEASES)

LEVIN, Georgiy L'vovich, dots.;-KRAVTSOVA, Ye.F., red.

[Essays on gastric pathology] Ocherki zheludochnoi patologii. Moskva, Meditsina, 1964. 173 p. (MIRA 17:6)

1. Tsentral'nyy institut usovershenstvovaniya vrachey (for Levin).

PODDUBNYY, I.; YANIKOV, I.; FABRIKOV, G., zhivotnovod; TARASYUK, A.;
TSAPLIN, V.; BAKLITSEKAYA, Ye., zven'yovaya; GRIDINA, A., doyarka;
KRAVTSOVA, Z., telyatnitsa; KOMYAGINA, R., svinarka; SAVEL'YEV, I.,
chaban; SLADKOMEDOVA, N., ptichnitsa; RUD, M., mekhanizator;
GOGIN, S., mekhanizator.

Our collective farm in seven years. Nauka ipered.op.v sel'khoz.
9 no.1:5-9 Ja '59. (MIRA 13:3)

1. Kolkhoz "Ukraina," Kirovskogo rayona Krymskoy oblasti.
2. Predsedatel' kolkhoza "Ukraina" Kirovskogo rayona Krymskoy oblasti (for Poddubnyy). 3. Glavnyy agronom kolkhoza "Ukraina" Kirovskogo rayona Krymskoy oblasti (for Yanikov). 4. Glavnyy mekhanik kolkhoza "Ukraina" Kirovskogo rayona Krymskoy oblasti (for Taranyuk). 5. Sekretar' partorganizatsii kolkhoza "Ukraina" Kirovskogo rayona Krymskoy oblasti (for TSaplin).
(Kirovskoye District--Agriculture)

KRAVTSOVA, Z.V.

Certification. Apt. delo ll no.1:60 Jn-F '62.
(PHARMACISTS)

(MIRA 15:4)

KRAWCZAK, Jozef

Functional respiratory and circulatory changes induced by the
central effect of neurohormones. Poznan. tow. przyjac. nauk
wyzs. lek. 30:77-97 '65

KRAWCZAK, J.; JANISZEWSKI, L.; NARSEBSKI, J.; OLEJARCZUK, G.

Changes of EEG and of chronaxy in the vestibule of the ear in rabbits in hypothermia. Acta physiol. polon. 8 no.3:400-401 1957.

1. Z Zakladu Fizjologii A. M. w Poznaniu Kierownik: prof. dr M. Czarnecki.
Z Zakladu Neurofizjologii i Fizjologii Porownawczej Uniwersytetu M.
Kopernika w Toruniu Kierownik: prof. dr J. Hurynowicz.

(HYPOTHERMIA, effects,

on EEG & on chronaxy in vestibule of ear in rabbit (Pol))

(ELECTROENCEPHALOGRAPHY,

eff. of hypothermia (Pol))

(VESTIBULAR APPARATUS, physiology,

chronaxy, eff. of hypothermia (Pol))

KACZMAREK, Zdzislaw; KRAWCZAK, Jozef

Effect of the amniotic fluid on uterine contractility. Gyn.
polska 30 no.5:553-558 S-0 '59.

1. Z Zakladu Fizjologii A.M. w Poznaniu Kierownik: prof. dr
E.Czarnecki Z I Kliniki Poloznictwa i Chorob Kobietych A.M.
w Poznaniu Kierownik: doc. dr W. Michalkiewicz.

(UTERUS pharmacol)

(AMNIOTIC FLUID pharmacol)

ACCESSION NR: AP4043264

P/0056/64/015/003/0335/0343

AUTHOR: Czarnecki, Edward (Charnetski, Ye.); Kiersz, Jan (Kersh, Ya.)
(Docent, Doctor); Krawczak, Jozef (Kravchak, Yu.)

TITLE: Effect of exclusion of the splanchnic nerves on experimental shock in hypothermic states

SOURCE: Acta physiologica polonica, v. 15, no. 3, 1964, 335-343

TOPIC TAGS: hypothermia, shock, dinitrophenol, dog, splanchnic nerve

ABSTRACT: In a state of hypothermia induced with dinitrophenol in dogs, shock eliciting substances (peptone, electronegative dyes, serum of sensitized animals) fail to produce symptoms of shock. Following transection of the splanchnic nerves, hypothermia does not protect animals from shock after the administration of shock-eliciting substances. Under these conditions, lethal shock usually ensues as the result of a complete drop in blood pressure. These observations indicate that the body is primarily protected from shock by the sympathetic nervous system. Exclusion of the splanchnic nerves, which act on the adrenal glands, diminished the secretion of catecholamines, which play an important hormonal role in the maintenance of homeostasis. Orig. art. has: 5 figures.

Card 1/2

ACCESSION NR: AP4043264

ASSOCIATION: Zakład Fizjologii AM, Poznan (Institute of Physiology, AM)

SUBMITTED: 20Jan64

ENCL: 00

SUB CODE: LS, OC

NO REF SOV: 000

OTHER: 010

Card 2/2

HRYNIEWIECKI, Lech; KRAWCZAK, Jozef

Studies on serum protein changes under the influence of diets rich in proteins of animal or vegetable origin. Acta physiol.polon. 11 no.3:405-413 My-Je '60.

1. Z Zakladu Fizjologii A.M. w Poznaniu Kierownik: prof. dr E.Czarnecki.

(BLOOD PROTEINS)

(PROTEINS nutrition & diets)

WACHNIZI, Edward; KIERST, Jan; KRAMPOLSKA, Jozef

Effect of splenoceliac denervation on the course of experimental shock in hyperthermia. Acta physiol. Pol. 15 no.3:335-343, 1964, 16p.

1. S Zakładu Fizjologii i Anestezji Medycznej w Poznaniu (Kierownik: doc. dr. J. Kierst).

KRAWCZENKO, W. S. prof. dr [Kravchenko, W. S.]

Safe use of electric power in mining. Przegl techn
84 no. 31: 3 - 4 Ag '63.

KRAWCZUK, Aleksander.

Regressive changes in the seminiferous epithelium in human testes.
Fol.morph., Warsz. 6 no.4:279-281 1955.

1. Z Kliniki Polosnictwa i Chorob Kobięcych A M w Białymstoku.
Kier.: prof. dr. med. S.Soska. Z Zakładu Histologii i Embrio-
logii A M w Białymstoku. Kier... vacat.

(TESTES, pathology,

regressive changes of seminiferous epithelium)

KRAWCZUK, Aleksander; GIEDROJC, Wladyslaw

Patency test of the seminal ducts. Polski przegl. chir. 27 no.6:
583-586 Je '55.

1. Z. Kliniki Poloznictwa i Chorob Kibiacych, Kierownik: prof. dr
S. Soszka, i z Kliniki Chirurgicznej A.M. w Bialymstoku Kierownik:
doc. dr F. Olenski. Dialystok, Klinika poloznictwa i chorob kobiecych
A.M.

(STERILITY, MALE, diagnosis,
vas deferens patency test)
(VAS DEFERENS,
patency test)

KRAWCZUK, Aleksander.

Morphological picture of the testes in sterility. Gin. polska
27 no.1:15-28 1956.

1. Z Kliniki Poloznictwa i Chorob Kobietych A.M. w Bialymstoku.
Kierownik: prof. dr Stefan Soszka. Bialystok, ul. Lakowa 14.

(STERILITY, MALE, pathology,
in sterility, biopsy (Pol))

(TESTES,
biopsy in sterility (Pol))

(BIOPSY,
testes in sterility (Pol))

KRAWCZUK, Aleksander

Determination of the level of hyaluronidase in semen.
Gin. polska 27 no.3:365-368 May-June 56.

1. Z Kliniki Poloznictwa i Chorob Kobietych A. w Bialymstoku
Kierownik: prof. dr. S. Soszka, Bialystok, ul. Lakowa 14.
(HYALURONIDASE, determination,
in semen in sterility (Pol))
(STERILITY, MALE, diagnosis,
semen hyaluronidase test (Pol))

SOSZKA, Stefan; KRAWCZUK, Aleksander

The influence of certain factors on the morphological picture of the testis of the white rat. I. Prolonged aprotinic diet. Gin.polska 31 no.4:487-494 J1-Ag '60.

1. Z Kliniki Polosnictwa i Chorob Kobiacych A.M. w Bialymstoku

Kierownik: prof. dr med. S.Soszka.

(TESTIS pathol.)

(PROTEINS nutrition & diet.)

SOSZKA, Stefan; KRAWCZUK, Aleksander

The influence of certain factors on the morphological picture of the testis of the white rat. II. Injury of the vaso-neural bundle of the gonad. Gin.polska 31 no.4:495-499 J1-Ag '60.

1. Z Kliniki Poloznictwa i Chorob Kobietych A.M. w Bialymstoku
Kierownik: prof. dr med. S.Soszka
(TESTIS pathol.)

SOSZKA, Stefan. KRAWCZUK, Aleksander

The influence of certain factors on the morphological picture of the testis of the white rat. III. Injury of the parotid salivary gland. Gin.polaska 31 no.4:501-507 J1-Ag '60

l. Z Kliniki Poloznictwa i Chorob Kobiczych A.M. w Bialymstoku
Kierownik: prof. dr med. S.Scotka.
(TESTIS pathol.)
(PAROTID GLAND wds. & inj.)

SOSZKA, Stefan; KRAWCZYK, Aleksander

The influence of certain factors on the morphological picture of the testis of the white rat. IV. Influence of the inflammatory process. Gin.polska 31 no.4:509-513 J1-Ag '60.

1. Z Kliniki Poloznictwa i Chorob Kobietych A.M. w Bialymstoku
Kierownik: prof. dr med. S.S.Soszka.
(TESTIS pathol.)

KPAWCZUK, Aleksander; KUCIAR, Marian; MALIK, Kazimierz; SIEKORSKI, Janusz;
MALIK, Andrzej

Clinical and biohormonal evaluation of menopausal women. Ginek.
Pol. 36 no.9:547-554. My '65.

1. Z 1 Kliniki Położnictwa i Chorob Kobietych AM w Białymstoku
(Kierownik: prof. dr. med. S. Soszka).

KRAWCZUK, Aleksander; SZAMATOWICZ, Marian; SZAMATOWICZ, Jadwiga;
SIPOWICZ, Izabela

Behavior of the gonadotropin inhibitors in the urine of
prepuberal girls. Ginek. Pol. 36 no.10:1133-1135 0 '65.

1. Z I Kliniki Położnictwa i Chorob Kobietych AM w Białym-
stoku (Kierownik: prof. dr. med. S. Soszka).

KRAWCZUK, Aleksander

Clinical and biohormonal picture of Cushing-like syndrome in girls. Ginek. Pol. 36 no.10:1165-1172 O '65.

1. Z I Kliniki Położnictwa i Chorob Kobięcych AM w Białymstoku (Kierownik: prof. dr. med. S. Soszka).

BRANCTEK, Aleksander; JAKOWICKI, Jerzy

2 cases of myocardial infarction in the course of labor.
Ginek. Pol. 36 no.10:1183-1184 0 '65.

1. Z I Kliniki Położnictwa i Chorob Kobięcych AM w Białym-
stoku (Kierownik: prof. dr. med. S. Soszka).

KRAWCZUK, Aleksander; SZAMATOWICZ, Marian; SIKORSKI, Tadeusz

Urinary excretion of corticoids in 9-year-old girls. Ginek.
Pol. 36 no.10:1137-1139 0 '65.

1. Z I Kliniki Poloznictwa i Chorob Kobietych AM w Bialym-
stoku (Kierownik: prof. dr. med. S. Soszka).

KRAWCZUK, Eugeniusz, inż.; KLENKIEWICZ, Roman, inż.; PLOSZAJSKI, Andrzej, inż.

Electrocontact scaleless sensing devices. Mechanik 35 no.5:
302-303 My '62.

1. Koprotech, Warszawa.

KRAWCZUK, Eugeniusz, inż.

A device for active control of rollers on grinding machines.
Mechanik 35 no.8:471-472 Ag '62.

1. Koprotech, Warszawa.

KRAWCZUK, Eugeniusz, Mgr. ins.

Gauges for mechanization and automation of the part dimension checking. Stroj vyr ll no.7:350-351 '63.

1. Koprotech, Warsaw, Poland.

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(BLOOD PROTEINS,

complexes with vitamin B₁₂, molecular weight of (Pol))

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(THIOBACILLUS, metabolism,
thioparus, radiosulfur (Pol))

(SULFUR, metabolism,
Thiobacillus thioparus, radiosulfur (Pol))

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POLAND / Microbiology. General Microbiology.

F-1

Abs Jour : Ref Zhur - Biol., No 20, 1958, No. 90684

Author : Skarzynski, B.; Ostrowski, W.; ~~Krawczyk, A.~~
Inst : The Polish Academy of Sciences
Title : Investigation of Sulfur Metabolism in Thiobacillus
thioparus by means of Radioactive Sulfur³⁵

Orig Pub : Bull. Acad. polon. sci., 1957, cl. 2, 5, No 5-6, 159-164
(English; ros. Russ.)

Abstract : T. thioparus was cultivated on media containing thio-
sulfate, labeled or in sulfato $\text{HO}_3\text{S}^{35} - \text{SH}$ (I) or in the
sulfato group $\text{HO}_3\text{S} - ^{35}\text{SH}$ (II). There was less radio-
activity in the development of the bacteria in the medium
with II, but no change in radioactivity was observed in
the medium with I. The washed suspensions of bacteria
which grow out on the medium with I also did not show
radioactivity. Consequently, only the sulfur of the

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POLAND / Microbiology. General Microbiology.

F-1

Abs Jour : Ref Zhur - Biol., No 20, 1958, No. 90684

sulfate group of thiosulfate was oxidized and embedded in
the bacterial cells. In bacteria cultivated on the medium
with II and transferred to the medium with unlabeled thio-
sulfate it was shown that in the first place elementary
sulfur of the cells was metabolized, while the protein-
bound sulfur was insignificantly changed. It was estab-
lished by fractionization of the bacterial cells that
~10% of the radioactive sulfur was contained in the
alcohol-soluble fraction, 30% in the protein-bound fraction,
and the remaining radioactivity was contained in the
elementary sulfur. Enclosure of sulfur in the cells had
already begun in the first few minutes after contact with
II, and in the first stage the sulfur was entrapped in
the low-molecular alcohol-soluble compounds. Later on
radioactivity was stored in the protein fraction, whereas
the distribution curves of radioactivity in the alcohol

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