MIKHEYEV, Ye.P.

Conjugation of the reactions of halogenation and arylation of hydrochlorosilanes. Dokl. AN SSSR 155 no.6:1361-1363 Ap '64. (MIRA 17:4)

1. Predstavleno akademikom B.A.Kazanskim.

L 29980-66 EWT(m)/T/EWP(t)/ETI IJP(c) JD/WW/JG

ACC NR: AP6012475 SOURCE CODE: UR/0181/66/008/004/1140/1146

AUTHOR: Protopopov, O. D.; Mikheyeva, Ye. V.; Sheynberg, B. N.; Shuppe, G. N. 70

ORG: Tashkent State University (Tashkentskiy gosudarstvennyy universitet) B

TITLE: Emission parameters of tantalum and molybdenum single crystals A

SOURCE: Fizika tverdogo tela, v. 8, no. 4, 1966, 1140-1146

TOPIC TAGS: tantalum, molybdenum, crystal, electron emission, work function, crystal lattice structure

ABSTRACT: This is a continuation of earlier work (FTT v. 7, 3759, 1965 and others) devoted to the work function of electrons from different faces of single crystals of tungsten and molybdenum. The present investigation reports similar measurements with large crystals of tantalum, accompanied by new measurements on molybdenum and comparing the results and refining earlier data. Most measurements were made in a cylindrical system of electrodes (Fig. 1), although some were made with a flat system of electrodes used in the earlier experiments. The measurements were made by the Richardson method. The values obtained for the work functions of molybdenum are $\varphi_{110} = 5.00 \pm 0.05$, $\varphi_{112} = 4.55 \pm 0.05$, $\varphi_{100} = 4.40 \pm 0.02$, and $\varphi_{111} = 4.10 \pm 0.02$ ev. The values for tantalum were $\varphi_{110} = 4.80 \pm 0.02$, $\varphi_{100} = 4.15 \pm 0.02$, and $\varphi_{111} = 4.00 \pm 0.02$ ev. The results for tungsten, molybdenum, and tantalum are tabulated and compared, and some of the differences are discussed. It is concluded that for metals with a body-centered cubic lattice the average work function is closest to that in the [100] direction. The difference between the maximum and the minimum work function is

Card 1/2

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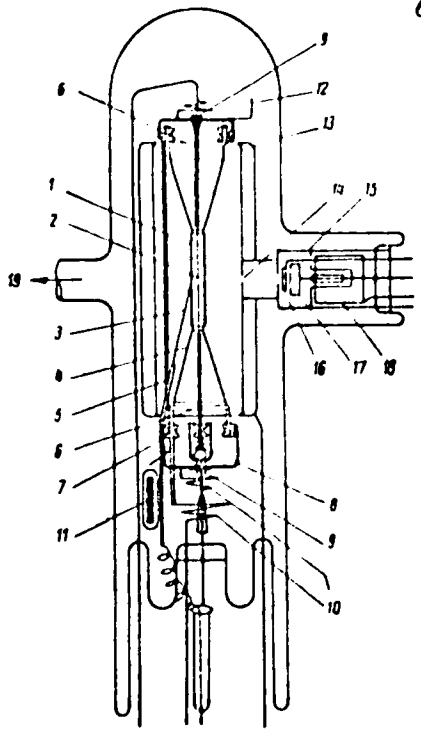

Fig. 1. Diagram of cylindrical geometry. 1 - Cathode, 2 - tungsten heater, 3 - thermocouple, 4 - tantalum cone, 5 - ring-carrying rod, 6,7 - quartz insulators, 8 - tension device for heater, 9 - tantalum thrust bearings, 10 - tantalum shunting coils, 11 - glass-coated iron armature, 12 - angle indicator, 13 - anode, 14 - collector slit, 15 - collector screen, 16 - antidynatron diaphragm, 17 - collector, 18 - shielding cylinder, 19 - to pumps, manometer, and getters.

0.9 - 1.0 ev. The lower limit of the values of the work function lies closer to the average than the upper limit. Orig. art. has: 4 tables and 5 figures.

SC: 20/ SUBM DATE: 31Aug65/ ORIG REF: 010/ OTH REF: 003

Card 2/2

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26

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Gornoye delo; entsiklopedicheskiy spravochnik. t. 8: Statsionarnoye elektromekhanicheskoye oborudovaniye. Elektrosnabzheniye shakht (Mining Industry; an Encyclopedic Handbook. v. 8: Stationary Electro-mechanical Equipment. Electric Power Supply to Mines) Moscow, Gosgortekhizdat, 1960. 784 p. Errata slip inserted. 18,500 copies printed.

Chief Ed.: A. M. Terpigorev (Deceased); Members of the Editorial Board: A. I. Baranov, F. A. Barabanov (Deceased), A. A. Boyko, V. K. Buchnev, A. N. Zaytsev; Deputy Chief Eds.: I. K. Kit and N. V. Mel'nikov; I. N. Plaksin, N. M. Pokrovskiy, A. A. Skochinskiy (Deceased), A. O. Spivakovskiy, I. K. Stanchenko, A. P. Sudoplatov, A. V. Topchiyev, S. V. Troyanskiy, A. K. Kharchenko, L. D. Shevyakov and M. A. Shchedrin; Editorial Board for this volume: Resp. Ed.: F. A. Barabanov; Deputy Resp. Ed.: Z. M. Melamed; N. A. Arzamasov, G. M. Yelanchik, V. K. Yefremov, B. I. Zasadych, I. M. Zhumakhov, N. A. Letov, P. P. Nesterov, L. A. Rabinovich, K. I. Skorkin, and V. A. Sumchenko; Authors: G. A.

Card 1/16

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Candidate of Technical Sciences, N. S. Karpyshev, Candidate of Technical Sciences, N. A. Letov, Candidate of Technical Sciences, Z. M. Melamed, Candidate of Technical Sciences, Yu. A. Mikheyev, Engineer, V. P. Morozov, Engineer, V. I. Polikovskiy, Professor, Doctor of Technical Sciences, I. A. Rabinovich, Engineer, M. S. Rabinovich, Candidate of Technical Sciences, I. A. Raskin, Engineer, V. S. Tulin, Engineer, S. Ye. Unigovskiy, Engineer, K. A. Ushakov, Honored Scientist and Technologist, Professor, Doctor of Technical Sciences, M. M. Shemakhanov, Candidate of Technical Sciences, P. F. Shishkov, Candidate of Technical Sciences, and V. B. Yablonovskiy, Engineer; Eds. of Publishing House: N. A. Arzamasov and T. I. Rybal'nik; Tech. Ed.: V. L. Prozorovskaya and M. A. Kondrat'yeva.

PURPOSE: This handbook is intended for mining and mechanical engineers as well as for other skilled personnel of the mining industry concerned with the handling and operation of various installations and equipment used in mines.

Mining Industry (Cont.) SOV/5473

COVERAGE: Volume VIII of the mining handbook contains detailed information on mine hoisting installations, machines and equipment, mine ventilation units, duct systems, dewatering facilities, various types of pumps, pump meters, pumping stations, and the automatic remote control of these units. The handbook also describes and explains the operation of the air compression units and compressors. Heat-generating and heat-supply equipment of mines is described, as are the electric power supply systems and other electrical equipment such as transformers, power distribution systems, and grounding devices. Telephone communication and signaling systems used in mines are also treated. No personalities are mentioned. Each part of the handbook is accompanied by references, mostly Soviet.

TABLE OF CONTENTS [Abridged]:

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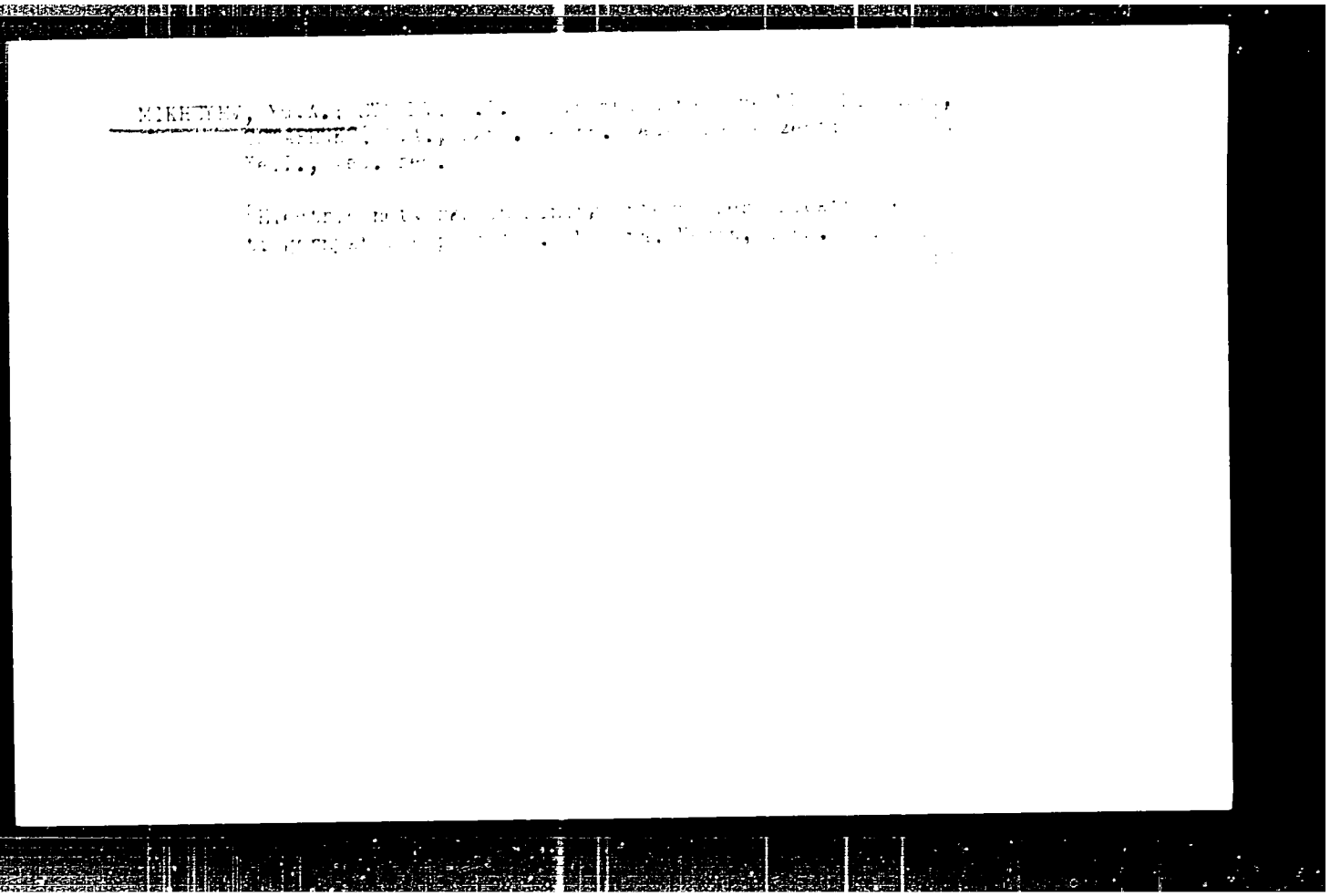

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Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: SUM. No. 420, 9 May 55

BEREGOVSKIY, V.Ye.; VASILENKO, M.I.; VELIER, R.L.; VERBLOVSKIY, A.M.; VERNER, B.F.; VOYDALOVSKAYA, Ye.N.; VOL'SKIY, A.N.; GLAZKOVSKIY, A.A.; GRANOVSKIY, B.L.; GREYVER, N.S.; GUDIMA, N.V.; DOLGOPOLOVA, V.I.; KARCHEVSKIY, V.A.; KOVACHEVA, Ye.B.; KUDRYAVTSEV, P.S.; LEBEDEV, A.K.; LISOVSKIY, D.I.; LIKHNITSKAYA, Z.P.; MATVEYEV, N.I.; MEL'NITSKIY, A.N.; MIRONOV, A.A.; MIKHEYEVA, A.A.; MURACH, N.N.; OKUN', A.B.; OL'KHOV, N.P.; OSIPOVA, T.B.; PAVLOV, V.P.; ROTINYAN, A.L.; SAZHIN, N.P.; SEVRYUKOV, N.N.; SIDOROV, P.M.; SOBOL', S.I.; KHEYFETS, V.L.; TSEYNER, V.M.; SHAKHNAZAROV, A.K.; SHEYN, Yu.P.; SHEREMET'YEV, S.D.; SHERMAN, B.P.; SHISHKIN, N.N.; SHLOPOV, A.P.

Georgii Ivanovich Blinov. TSvet.met. 28 no.6:62 N-D '55. (MIRA 10:11)

(Blinov, Georgii Ivanovich, 1911-1955)

16.3800

S/044/61/000/005/004/025
C111/C444

AUTHOR: Mikheyeva, A. A.

TITLE: The integral equation of the inversion problem of the logarithmic potential for a simple layer

PERIODICAL: Referativnyy zhurnal, Matematika, no. 5, '96', 14, abstract 5B67.(Uch. zap. Ural'skogo un-ta, 1960 vyp.23, no. 2, 10 - 14)

TEXT: Searched is a closed curve C with the following properties: There is given a constant μ which shall be considered as the mass distribution density on C. In the exterior region with respect to C, the potential, due to that distribution, shall be equal to a given function U_e. There is given an integral equation for the function $z = z(\zeta)$, which is the conformal mapping of the region, having C as its boundary on the unit circle $|\zeta| \leq 1$. The solution of this equation is examined under some special assumptions on the given potential U_e. A method is applied, used by V. K. Ivanov (Rzh Matem., 1957, '494) for the solution of an analogous problem, where the plane potential in the region, having the searched C as its boundary, is given.

(Abstracter's note: Complete translation.)

Card 1/1

1. CHERIKOVSKAYA, T. YA.; MIKHEYEVA, A. F.

2. USSR (600)

4. Botany, Medical

7. Fluid extract from the rootstock of "Levzeia soflorovidnaia" (a plant of the compositae family,)as a new stimulant. Apt. delo no. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January, 1953. Unclassified.

MIKHEYEVA, A.F., starshiy inzhener-tekhnolog.

Advocating improvement of work in industrial plants of main administrations of pharmaceutical enterprises in Soviet Republics. Apt.delo 2 no.2:16-19 Mr-Ap '53. (MLRA 6:5)

1. Glavnoye aptechnoye upravleniye Ministerstva zdravookhraneniya SSSR.
(Drug industry)

MIKHEYEVA, A.I., meditsinskaya sestra

Tuberculous meningitis in children and the characteristics of the care of young patients. Med. sestra 20 no.9:42-44 S '61. (MIRA 14:10)

1. Iz detskogo medingitnogo otdeleniya Moskovskogo nauchno-issledovatel'skogo instituta tuberkuleza Ministerstva zdravookhraneniya RSFSR.

(MENINGITIS) (CHILDREN—DISEASES)

AUTHORS: Mikheyeva, A. I., Aleskovskiy, V. B. 153-58-1-11/29

TITLE: Extraction of Copper From Highly Diluted Solutions by Means of the Method of Sinking Particles Using Mineral Absorbents (Izvlecheniye medi iz ves'ma razbavlennykh rastvorov metodom tonushchikh chastits s primeneniyem mineral'nykh poglotiteley)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy Khimiya i khimicheskaya tekhnologiya, 1958, Nr 1, pp. 69-77 (USSR)

ABSTRACT: Due to their instability in acid and alkaline solutions synthetic alumosilicates were not used in analytical practice. Furthermore, their absorbability and specific adsorption of ions of alkaline and alkaline-earth-metals is not high, which prevents the absorption of cations of other metals (References 1,2). The authors synthetized a number of water-alumosilicates (Reference 3) the individual representatives of which continued to be completely stable in acid solutions after a previous leaching out with hot HCL- solution. Amongst them Al_2O_3-$5SiO_2$.nH_2O showed the highest

Card 1/5

absorbability of cations, whereas $Al_2O_3.2SiO_2.nH_2O$ displayed the same property with the anions. It was to be expected that the ammonia chemically bound by silica-gel or aluminum silica-gel will cause also the adsorption of copper-,nickel-,cobalt-and of some other anions as the anino-groups do in the anionites (Reference 7). This report is devoted to the investigation of the ion adsorption of heavy metals, especially of copper-micro-quantities in the presence of ions of alkaline and alkaline-earth metals on silica-gel and alumo-silica-gels which were saturated in pure state with ammonia or amines. The production of water--alumosilicates and the determination of their absorbability are described (Figure 1).Figure 2 shows a test collecting appliance designed for this purpose. An addition of acid to the investigated solution reduced the adsorbability of copper and suppressed it practically completely at pH 2 (Figure 3). The presence of 2 mg/liter of ferric ions and of 5 mg/liter of sodium-or calcium-ions (Figure 4) had a

similar effect. It is obvious that the alumosilica-gels in the presence of disturbing ions are absolutely inadequate for the adsorption of micro-quantities of copper. Further the production of a selective absorbent was carried out. This was performed by the introduction of anions forming difficultly soluble compounds with the copper cation into the aluminum-silicate by one or the other way. No water-sobule substance gave satisfactory results since it was washed out. The problem was solved by precipitating zinc hydroxide from an HCl-medium by means of ammonia - together with the gels of silicic acid and ammonium hydroxide. A zinc-alumosilicate $ZnO-Al_2O_3.5SiO_2.nH_2O$ which was dried and activated was consequently formed. The zinc-surplus was removed with hot 1n -HCl together with admixtures of heavy metals and rinsed with water up to the neutral reaction and subsequently treated with 1% solution of diethyl-dithio--sodium-carbamate the surplus of which was equally washed out. An highly molecular compound was formed from the residual

Extraction of Copper From Highly Diluted Solutions by Means of the Method of Sinking Particles Using Mineral Absorbents 153-58-1-11/29

carbamate. This synthetic sorbent adsorbed selectively the copper-ions from solutions which are close to natural waters with respect to their composition and which contain a number of other ions (Table 1). Under these conditions, the alumosilica-gels lost their capacity of adsorbing copper, even if and when the concentration of perturbing ions was much lower. The effect of this adsorbent is apparently explained by a present amino-group as well as by a certain capacity of copper to form ammonicates. This adsorbent stands a multiple treatment with 1 n -HCl (for the purpose of copper-desorption). Further the adsorption capacities of alumosilica-gels and of the silica-gel after a treatment with ammonium hydroxide are discussed. The latter was washed out until a pH 8 was attained. The dependence of the adsorption of copper by the produced adsorbent on the concentration of copper in the solution was determined by the method of sinking particles. The solution contained 0,5 g/liter Ca-,

Card 4/5

Mg-and Na-ions (Figure 2,curve II) or no disturbing ions for the purpose of comparison (Figure 5,curve I). The silica-gel saturated with ammonia proved to be much more active than the initial gel. Concluding, data on the mechanism of adsorption (Tables 2,3) and the adsorption of ions of the elements forming ammiacates and aminates, are discussed (Table 4). There are 7 figures, 4 tables, and 11 references, 8 of which are Soviet.

ASSOCIATION: Leningradskiy tekhnologicheskiy institut im. Lensoveta. Kafedra analiticheskoy khimii (Leningrad Technological Institute imeni Lensovet, Chair for Analytical Chemistry)

SUBMITTED: September 18, 1957

ALESKOVSKIY, V.B.; DOBYCHIN, S.L.; KEDRINSKIY, I.A.; MILLER, A.D.; MIKHEYEVA, A.I.; MOKHOV, A.A.; NAZAROVA, Z.N.

Determination of trace elements in natural waters after a preliminary concentration by the method of "sinking particles." Trudy LTI no.48:12-21 '58. (MIRA 15:4)
(Trace elements) (Water, Underground)

MIKHEYEVA, A. I., Candidate Chem Sci (diss) -- "The extraction of copper from very dilute solutions by the sinking-particle method using mineral absorbers". Leningrad, 1959. 13 pp (Min Higher Educ USSR, Leningrad Order of Labor Red Banner Tech Inst im Leningrad Soviet), 150 copies (KL, No 23, 1959, 161)

L 38466-66 EWT(1)/T

ACC NR: AP6029183 SOURCE CODE: UR/0016/66/000/005/0008/0013

AUTHOR: Shestakov, V. I.; Mikheyeva, A. I.; Polenova, I. N.; Dorokhova, V. S.

ORG: Vladivostok Institute of Epidemiology, Microbiology and Hygiene (Vladivostokskiy institut epidemiologii, mikrobiologii i gigiyeny); Regional Sanitary Epidemiological Station (Krayevaya sanitarno-epidemiologicheskaya stantsiya)

TITLE: Prevention of Japanese encephalitis in Primorskiy Kray

SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 5, 1966, 8-13

TOPIC TAGS: encephalitis, insect control, mosquito, disease control

ABSTRACT: In Khasanskiy Rayon, where Japanese encephalitis is endemic, systematic measures have been carried out since 1960 to control the mosquito vectors of the disease (C. tritaeniorhynchus G., C. bitaeniorhynchus G., C. pipiens L., A. togoi Theob., A. esoensis Jam.) and to protect the population from mosquito bites. The breeding places were spayed from airplanes with DDT aerosols (10% dust and 50% paste). The best results were obtained by antilarval treatment of the biotopes in the early spring. The people were protected from insect bites with dimethyl-phthalate, repudin, and diethyltoluamide. The latter proved to be the most effective repellent. Orig. art. has: 3 tables. [JPRS: 36,932]

SUB CODE: 06 / SUBM DATE: 22Jul65 / ORIG REF: 005 / OTH REF: 001

Card 1/1 mcp UDC: 616.988.25-022.395.7-084(5 1.63)

MIKHEYEVA, A.V.

Effect of light on activity of cytochrome oxidase. B. A. Rubin, I. A. Chernavina, and A. V. Mikheeva. *Doklady Akad. Nauk S.S.S.R.* 105, 1039–41(1955).—Young sprouts of winter and summer wheat grown 6 days in the dark were exposed 9 hrs. to blue and red light during which time the activity of cytochrome-oxidase was detd. spectrometrically (by abs. max. at 550 mμ). Exts. from etiolated leaves of the wheat were almost devoid of this enzyme in the dark; exposure to light caused a sharp increase in its content, with the red light being somewhat more effective at 6 hrs.' exposure and blue light at 3 hrs. The effects were best shown by winter wheat. G. M. Kosolapoff

MD

(2)

17(3)

AUTHORS: Rubin, B. A., Merkeyeva, A. V. SOV/...-12-...-13/50

TITLE: The Effect of Ionizing Radiation Upon the Chemical Composition of Mitochondria (Vliyaniye ioniziruyushchey radiatsii na khimicheskiy sostav mitokhondriy)

PERIODICAL: Doklady Akademii nauk SSSR, ..., Vol ..2, Nr ..,

ABSTRACT: Investigations ... conducted by the authors showed (Ref 1) that the oxidative ferments in potato tubers ... strongly influenced by irradiation with γ-rays of radioactive Co^{60}; these ferments are concentrated in the mitochondria of the eyes of the tubers. In this process, the various oxidases change not only ... different degree but also in opposite directions. The activity of the same ferments, however, ... the same under the influence of an equal dose of γ-rays both in the total extract of eyes and ... as well as in the mitochondria isolated in the ... (Ref 1). On the ... of the ..., we ... the ... activity

Card 1/4

of oxidative ferments concentrated in the mitochondria of the eyes is affected by the disturbances [illegible] by irradiation of the structure and [illegible] completeness of these organoids. In connection with this mitochondria were examined as to their chemical composition. The mitochondria were isolated both from previously irradiated and non-irradiated tubers. Mitochondria consist as it is known of lipoproteids and nucleoproteids. Structures consisting of these substances play an important role in fermentative processes and oxidation processes. Table 1 gives data concerning the measurement of content of nucleic acid in fractions of the eyes of irradiated and non-irradiated tubers. The content of nucleinic acid in mitochondria decreases immediately after irradiation until it remains constant for a certain period of time (up to [illegible] months). The results, however, hardly depend on the quantity (weight) of the mitochondria isolated from the same quantity of eyes. It differs widely in irradiated and non-irradiated

Card 2/4

t[illegible]ers. As can be seen in [illegible] 1, the [illegible] of phospholipids [illegible], especially in the mito-chondria (up to 25%). Apparently the influence of ionizing [illegible] phospho-lipids [illegible]. Consequently the amount of extractible phospholipids increases. The difference in [illegible] of phospholipids [illegible] and non-[illegible] disappear in [illegible]. [illegible] of phospholipids and nucleinic acids in the mito-chondria [illegible] from the [illegible] (Table 2). Also the [illegible] amount of [illegible] is not affected. Thus the activity of the [illegible] in the [illegible]. There are 2 tables and [illegible] references, [illegible] of which are [illegible] Soviet.

ASSOCIATION: Institut biokhimii im. A.N.B[illegible] SSSR (Institute of Biochemistry imeni A.N.Bakh of the Academy of Sciences USSR)

Card 3/4

MIKHEYEVA, A. V. Cand Biol Sci -- (diss) "Effect of gamma-rays upon the fermitative activity and chemical composition of the mitochondria of potato tubers." Mos, 1959. 25 pp (Inst of Biochemistry im A. N. Bakh, Acad Sci USSR), 110 copies (KL, 45-59, 145)

RUBIN, B.A.; MIKHEYEVA, A.V.

Effect of ionizing radiation on oxidizing enzymes in potato tubers. Biokhim.pl. i ovoshch. no.5:102-112 '59.
(MIRA 13:1)

1. Institut biokhimii imeni A.N.Bakha Akademii nauk SSSR.
(Plants, Effect of gamma rays on) (Potatoes)
(Oxidases)

METLITSKIY, L.V.; SAL'KOVA, Ye.G.; MIKHEYEVA, A.V.

Characteristics of carbohydrate metabolism in potatoes. Izv. AN SSSR. Ser. biol. no.4:538-550 Jl-Ag '61. (MIRA 14:9)

1. Institut biokhimii im. A.N.Bakha AN SSSR.
(POTATOES) (CARBOHYDRATE METABOLISM)

METLITSKIY, L.V.; MIKHEYEVA, A.V.

Thermal resistance of ferments during the sterilization of food products. Kons.i ov.prom. 16 no.4:17-21 Ap '61. (MIRA 14:3)

1. Tsentral'nyy nauchno-issledovatel'skiy institut konservnoy i ovoshchesushil'noy promyshlennosti.
(Food—Sterilization)
(Enzymes)

DISKINA, B.S., MIKHEYEVA, A.V., GENDEN, YU.Z.

"Synthesis of the viral RNA and metabolic changes of nucleic acids within the system of disintegrated cells."

Report submitted to the Intl. Congress for Microbiology
Montreal, Canada 19-25 Aug 1962

DISKINA, B.S.; KIYASHKO, A.A.; MIKHEYEVA, A.V.

Biosynthesis of specific antigen in disrupted cells infected with polio virus RNA. Vop. virus. 6:687-688 N-D '63. (MIRA 17:6)

1. Moskovskiy nauchno-issledovatel'skiy institut virusnykh preparatov.

DISKINA, B.S.; MIKHEYEVA, A.V.; GENDON, Yu.Z.

Synthesis of poliomyelitis virus from viral RNA in a system of disrupted cells. Vop. virus. 8 no.1:11-17 Ja-F'63. (MIRA 16:6)

1. Moskovskiy nauchno-issledovatel'skiy institut virusnykh preparatov.
(POLIOMYELITIS VIRUSES) (NUCLEIC ACIDS)
(TISSUE CULTURE)

DISKINA, B. S.; MIKHEYEVA, A. V.; KIYASHKO, A. A.; AGEYEVA, O. N.

"Biosintez belka i nukleinovykh kislot v neftraktsionirovannykh [illegible] razrushennykh kletok, inkubiruemykh s nukleinovymi komponentami virusa poliomielita i adenovirusa."

report presented at Symp on Virus Diseases, Moscow, [illegible] Oct [illegible].

Moskovskiy nauchno-issledovatel'skiy institut virusnykh preparatov.

ACCESSION NR: AP4044392 S/0195/64/005/004/0748/0750

AUTHOR: Mikheyeva, E. P.; Keyer, N. P.

TITLE: Effect of a constant electric field on the adsorptive properties of germanium

SOURCE: Kinetika i kataliz, v.5, no. 4, 1964, 748-750

TOPIC TAGS: germanium, adsorption, methyl alcohol, electric field, catalysis, germanium monocrystal, germanium conductivity, semiconductor

ABSTRACT: The effect of a transverse electric field on the chemical adsorption of methyl alcohol onto germanium was investigated using n-type germanium monocrystals with a resistance of 30 ohm·cm in the form of 10 x 4 x 0.1 mm plates previously pickled in the agent SR-4. The constant transverse electric field (10^5-10^6 v/cm) was applied to the germanium plates for 30 sec. The variation in resistance during the application of a field of positive or negative sign was then studied in terms of "fast" and "slow" surface states with a relaxation time up to 30 sec. Curves of methanol adsorption were plotted in a vacuum of 2×10^{-6} mm Hg for different surface states of germanium. It was established that in the absence of an electric field, methanol is either not adsorbed on the surface of germanium, or is adsorbed reversibly. Under the influence of a positive field, a stable ir-

Card 1/2

ACCESSION NR: AP4044392

reversible chemical adsorption of methanol occurs; a negative field causes no chemical adsorption. Calculations from the curves showed that the aged surface of germanium has a positive charge with an initial deflection of the zone downward equal to 1.8 kT. After adsorption of methyl alcohol, the positive charge increases and the deflection of the zone downward increases to 2.6 kT. The conductivity of p-type germanium increases after chemical adsorption of alcohol under the influence of the superposed field, i.e. the chemically adsorbed alcohol assumes the role of an electron donor. In the presence of the electric field, the methanol electrons pass into the body of the semiconductor and the "weak" chemisorption bond becomes a stable bond. After removing the electric field, a residual effect remains as a result of the upwards displacement of the local levels formed as a result of the stable chemical adsorption of methanol. It was shown experimentally that desorption can be obtained by superposing an electric field with a negative sign. Orig. art. has: 2 figures.

ASSOCIATION: Institut kataliza SO AN SSSR (Institute of Catalysis, SO AN SSSR)

SUBMITTED: 09May64 ENCL: 00

SUB CODE: EC, GC NO REF SOV: 005 OTHER: 000

Card 1 2/2

TINYAKOV, G.G.; GRANIKOV, D.A.; MIKHEYEVA, G.A.

Microstructure of hard rennet cheeses. Izv. vys. ucheb. zav.; pishch. tekh. no.4:68-74 '61. (MIRA 14:8)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti, kafedra tekhnologii moloka i molochnykh produktov i kafedra anatomii i gistologii.
(Cheese)

ZAMANSKAYA, R.I.; MELEKHOVA, N.A.; MIKHEYEVA, G.F.

Xylitan as a heat carrier in the manufacture of rubber tubes with the continuous method. Kauch. i rez. 24 no.2:24-25 F '65. (MIRA 18:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut biosinteza belkovykh veshchestv i Nauchno-issledovatel'skiy institut rezinovoy promyshlennosti.

MIKHEYEVA, G.A.

Indications of non-specific immunity in rheumatism in children. Pediatriia, Moskva no.4:11-14 July-Aug 1953. (CLML 25:1)

1. Of the Bacteriological Laboratory (Supervisor -- Senior Scientific Associate Ye. K. Miyeserova) of the Department of General Pathology (Supervisor -- Prof. N. M. Nikolayev) of the Institute of Pediatrics (Director -- Prof. M. N. Kazantseva), of the Academy of Medical Sciences USSR.

MIKHEYEVA, G. A., Cand of Med Sci — (diss) "Certain Indicies of a Non-Specific Immunity in Rheumatism in Children," Moscow, 1959, 19 pp (Institute of Pediatrics, Academy of Medical Sciences USSR) (KL, 2-60, 117)

DERGACHEV, I.S., prof.; POTANOVA, I.N., kand.med.nauk; MIKHEYEVA, G.A.; VOLKOVA, T.N.

Some problems in the mechanism of action of biomycin (chlortetracycline). Report No.1: Effect of chlortetracycline on rabbits of different ages in relation to the dose, length of use, and method of administration. Pediatriia no.9:50-56 '61. (MIRA 14:8)

1. Iz Instituta pediatrii AMN SSSR (dir. - prof. O.D. Sokolova-Ponomareva).

(AUREOMYCIN)

42687

S/747/62/000/000/008/025
B168/B107

21(2)

AUTHORS: Bocharov, Yu. S., Bocharov, Ye. V. and Mikheyeva, V. A.

TITLE: The comparative radiosensitivity of ovaries in monkeys (Macaca mulatta) and mice under x ray irradiation

SOURCE: Radiatsionnaya genetika; sbornik rabot. Otd. biol. nauk AN SSSR. Moscow, Izd-vo AN SSSR, 1962, 98-109

TEXT: Radiosensitivity was studied in ovarian follicles in 40 white mice (Kuminskaya line), 3rd females being used to show minimal sensitivity, and 17 monkeys (two 2-year olds, and the rest 4 - 8 years), with mouse ovaries irradiated locally at 25, 50 and 100 r and 1 ovary per monkey at 50 and 100 r. Only follicles with clear indications of atresia were taken as moribund. X ray at 50 and 100 r had pronounced sterilizing effects on mice, primordial follicles being especially sensitive, some being damaged even at 25 r. There was sterilization at 24 hours and most damaged follicles were resorbed at the 30th day. In monkeys, ovarian follicles were unaffected at 50 r, the minimal dose being 100 r. At this

Card 1/2

The Comparative Radiosensitivity ... S/[illegible]/62/000/000/005/025
[illegible]

dose three [illegible] times less damage to primordial follicles in monkey than in mouse ovaries, while stratified and Graafian follicles were eliminated. Monkey ovaries were markedly more radiosensitive than mouse [illegible]. In mice the sterilizing effect of ionizing [illegible] 25 r is ascribed to the killing of ovarian follicles, while in monkeys, after [illegible] r, it is attributed basically to the induction of dominant lethals. The high radiosensitivity of monkey ovaries may result in the persistence of mutations and their transmission to the [illegible]. There are [illegible] tables.

ASSOCIATION: Institut biologicheskoy fiziki AN SSSR, Moskva (Institute of Biological Physics, AS USSR, Moscow)

Card 2/2

MIKHEYEVA, G.A., kand.med.nauk; EFIMOVA, A.A., kand.med.nauk

Properdin indices in tuberculosis in infants. Probl.tub. no.7: 92-96 '62. (MIRA 15:12)

1. Iz mikrobiologicheskoy laboratorii (zav. - doktor meditsinskikh nauk A.V.Mashkov) i tuberkuleznoy kliniki (zav. - prof. I.V. TSimbler) Instituta pediatrii (dir. - dotsent M.Ya.Studenikin) AMN SSSR, Moskva.

(TUBERCULOSIS) (PROPERDIN)

DERGACHEV, I.S.; POTAPOVA, I.N.; MIKHEYEVA, G.A.

Effect of chlortetracycline on the course of staphylococcal infection in an experiment. Antibiotiki 7 no.1:65-68 Ja '62. (MIRA 15:2)

1. Institut pediatrii AMN SSSR.
(STAPHYLOCOCCAL DISEASE) (AUREOMYCIN)

LUK'YANENKO, V.I.; MIKHEYEVA, G.A.

Properdin content in fishes. Dokl. AN SSSR 148 no.2:469-472 Ja '63. (MIRA 16:2)

1. Institut biologii vodokhranilishch AN SSSR i Institut pediatrii AMN SSSR. Predstavleno akademikom K.I. Skryabinym.
(Properdin) (Fishes—Physiology)

MIKHEYEVA, G.A.

Dynamics of the indices of nonspecific immunity in experimental tuberculosis vaccination. Zhur. mikr. biol., epid. i immun. 41 no.9:22-27 S '64. MIRA 18:4

1. Institut pediatrii AMN SSSR, Moskva.

ALIMOVA, M.M.; MIKHEYEVA, G.A.

Study of the acetylating ability of the blood in vitro. Lab. delo no.3:159-160 '65. (MIRA 18:3)

1. Institut pediatrii AMN SSSR, Moskva.

EINGORN, A.L.; YEFIMOVA, A.A.; BARYKINA, Z.V.; BOCHKOVA, V.A.; MIKHEYEVA, G.A.

Active immunization of children in an early period of primary tuberculous infection with the polyvalent pertussis-diphtheria-tetanus vaccine. Zhur.mikrobiol., epid. i immun. 42 no.9:24-31 S '65. (MIRA 18:12)

1. Moskovskiy institut epidemiologii i mikrobiologii i Institut pediatrii AMN SSSR.

MIKHEYEVA, I.D. (Moskva), YEFIMOV, A.S., kand.med.nauk (Moskva)

An unusual case of paragonimiasis of the lungs. Sov.med. 22 no.10:119-121 O '58 (MIRA 11:11)

(LUNG DISEASES, case reports
paragonimiasis (Rus))

KUNIN, N.Ya.; MIKHEYEVA, I.G.

Using variation curves in establishing a law for the change with depth in effective velocity. Razved. i prom. geofiz. no.47: 29-34 '63. (MIRA 16:8)

(Seismometry)

SLUTSKAY, S. I., LINEV... A, I. I.

Seedlings

Use of fertilizers for tree seedlings. Les. i step, [illegible]

...tely List of Russian Ac[illegible], [illegible]
June 1[illegible]. [illegible]

SLUKHAY, S.I.; MIKHEYEVA, I.I.

Effect of growth conditions on the tannin and solid content of smoke tree leaves. Dop.AN URSR no.6:551-555 '55. (MLRA 9:7)

1.Institut lisu AN URSR. Predstaviv diysniy chlen AN URSR P.S.Pogrebnyak.
(Tannins) (Ukraine--Smoke tree)

SHIKHOV, V.N.; ANISIMOV, V.A.; Prinimali uchastiye: MAKURIN, F.I.; NIKULINA, L.P.; TKACHEV, V.V.; NEMTSEV, I.I.; MIKHEYEVA, G.P.; GUSEV, V.P.; TARASOV, A.I.

Measures for the control of static electricity in rubber cement coaters. Kauch. i rez. 24 no.11:42-45 '65. (MIRA 19:1

1. Ural'skiy politekhnicheskiy institut, Sverdlovsk, i Sverdlovskiy zavod rezinovykh tekhnicheskikh izdeliy.

MIKHEYEVA, I. M.

"Heat Emission in Freely Moving Drop-Forming Liquids." Min. Higher Education USSR, Moscow Order of Lenin Power Inst imeni V. M. Molotov, Moscow, 1955. (Dissertation for the Degree of Candidate in Technical Sciences)

SO: Knizhnaya Letopis', No. 22, 1955, pp 93-105

MIKHEYEVA, I.M., kandidat tekhnicheskikh nauk.

Heat transfer from a horizontal tube to different fluids in free motion. Teploenergetika 3 no.4:19-21 Ap '56. (MLRA 9:6)

1.Vsesoyuznyy zaochnyy energeticheskiy institut.
(Heat--Transmission)

28(6) PHASE I BOOK EXPLOITATION SOV/1826

Akademiya nauk SSSR. Energeticheskiy institut

Teploperedacha i teplovoye modelirovaniye (Heat Transfer and Modeling of Heat Processes) Moscow, Izd-vo AN SSSR, 1959. 419 p. Errata slip inserted. 3,500 copies printed.

Resp. Ed.: M. A. Mikheyev, Academician; Ed. of Publishing House: D. A. Ivanova; Tech. Ed.: G. M. Shevchenko.

PURPOSE: The book is intended for scientists concerned with heat transfer, heat emission, and hydraulics of liquid metals, etc.

COVERAGE: This collection is dedicated to the memory of Academician G. F. Kirpichev who in the twenties initiated a systematic investigation of heat transfer processes and the efficiency of heat apparatus. Later he led the development of research work in this field. Two special collections devoted to works of Kirpichev's school have been published, one in 1938, Materialy soveshchaniya po modelirovaniyu (Materials of the Conference on Modeling) and in 1951, Teoriya podobiya i modelirovaniye (Theory of Similitude and Modeling). The present collection prepared in 1956 represents further development of the work of this school. This theory is fundamental for the analysis of many heat problems in the field of electrical and radio engineering. Of great importance are the first systematic investigations of heat transfer and the hydraulics of liquid metals which as a new kind of heat carrier may be used in the various branches of modern engineering. As a result of special investigations of some cases of convective heat transfer, a dependence of the process on the kind of liquid, temperature, pressure, direction of the heat flow, and other factors, was discovered and established. On the basis of a wide generalization of experimental data, new dependable recommendations for heat analysis of engineering equipment were developed. Of no less interest is the work on heat transmission in boiling liquids and the condensation of vapors. All investigations are based on the theory of similitude, the nature of which, according to M. V. Kirpichev, is that of "experimentation." Work on the theory of a regular regime applied to a system of bodies with an internal source of heat is of interest for the future.

Card 2/20

Mikheyev, M. A. Heat Transfer in Free Motion of Various Fluids 226
This article is concerned with the process and mechanism of heat transfer as related to the physical properties of fluids and to the temperature, temperature pressure, and direction of heat flow. A horizontal pipe of 30mm diameter and working media of air, water, and two kinds of converter oil were chosen for investigation. There are 11 references: 7 Soviet, 1 English, and 3 German.

Aregin, Ye. K., and G. K. Kruzhilin. Heat Transfer in Boiling Water in Forced Circulation 239
It is stated that in one type of future atomic reactor, boiling water will be used for cooling heat-producing element. The practical application of this principle is difficult and has its limitations. In this connection tests were made in order to determine the admissible (critical) heat loads in the flow of boiling water in slit conduits. The method is described and results of tests and tables of values are given. There are 5 references: 4 Soviet and 1 English.

Card 14/20

MIKHEYEV, Mikhail Aleksandrovich; MIKHEYEVA, Irina Mikhaylovna;
SKVORTSOV, S.A., red.; BORUNOV, N.I., tekhn. red.

[Brief course in heat transfer] Kratkii kurs teploperedachi.
Moskva, Gos.energ.izd-vo, 1960. 206 p. (MIRA 15:2)
(Heat—Transmission)

MIKHEYEVA, I.V.; KOLOMENSKIY, V.[illegible].

Roentgenometric study [illegible] motor and [illegible] cast. Metallovedenie
no.25:156-162 '64. [illegible]

FRANK-KAMENETSKIY, V.A.; MIKHEYEVA, I.V.; SAL'DAU, E.P.

First all-Union conference held in Kiev on X-ray study of raw minerals. Zap.Vses.min.ob-va 89 no.2:257-259 '60. (MIRA 13:7)

1. Deystviel'nyye chleny Vsesoyuznogo mineralogicheskogo obshchestva.
(Mineralogy) (X rays--Industrial applications)

SHAFRANOVSKIY, I.I., prof. Prinimali uchastiye: MOKIYEVSKIY, V.A.; STULOV, N.M.; GENDELEV, S.Sh.; PIS'MENNYY, V.A.; BALASHOVA, M.N.; MIKHEYEVA, I.V.; SAL'DAU, E.P.; KALININ, A.I.; DOLIVO-DOBROVOL'SKAYA, G.M. PIOTROVSKIY, G.L., dotsent, otv.red.; FURMAN, K.P., red.; MALYAVKO, A.V., tekhred.

[Lectures on the morphology of mineral crystals] Lektsii po kristallomorfologii mineralov. L'vov, Izd-vo L'vovskogo univ., 1960. 161 p. (MIRA 14:1)

1. Kafedra kristallografii Leningradskogo gornogo instituta (for Mokiyevskiy, Stulov, Gendelev, Pis'mennyy, Balashova, Mikheyeva, Sal'dau, Kalinin, Dolivo-Dobrovol'skaya).
(Minerals) (Crystals)

MIKHEYEV, Viktor Ivanovich, prof. [1912-1956]; LEVENBERG, N.V., otv. red.; TATARINOV, P.M., red.; ALFEROV, B.A., prof., red.; ANDREYEV, B.A., prof., red.; GRIGOR'YEV, D.P., prof., red.; POGREBITSKIY, Ye.O., prof., red.; TOLSTIKHIN, N.I., prof., red.; SHAFRANOVSKIY, I.I., prof., nauchnyy red.; MIKHEYEVA, I.V., dots., nauchnyy red.; DAYEV, G.A., vedushchiy red.; ZABRODINA, A.A., tekhn. red.; GENNAD'YEVA, I.M., tekhn. red.

[Homology of crystals] Gomologiia kristallov. Leningrad, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1961. 206 p. (MIRA 14:10)

1. Chlen-korrespondent AN SSSR (for Tatarinov).
(Crystallography)

KOLOMENSKIY, V.D.; MIKHEYEVA, I.V.

Hyperstene and olivine of the IUrtuk meteorite. Meteoritika no.23: 62-71 '63. (MIRA 16:9)

(Meteorites)

L 14350-65 EWT(1)/EWG(v)/EWA(d)/EEC-4/EEC(t) Pe-5/Pae-2/Pa-4 ASD(f)-2/AFWL/
ACCESSION NR: AT4047025AFETR GW S/2534/64/000/025/0156/0162

AUTHOR: Mikheyeva, I. V.; Kolomenskiy, V. D.

TITLE: Investigation of meteoric and industrial dust by the x-ray method

SOURCE: AN SSSR. Komitet po meteoritam. Meteoritika, no. 25, 1964, 156-162

TOPIC TAGS: meteoric dust, industrial air pollutant, meteorite, meteoric dust roentgenogram

ABSTRACT: Samples of meteoric dust from the Sikhote-Alinskiy meteorite and industrial dust from open-hearth and metallurgical furnaces have been subjected to detailed x-ray analysis. Owing to the small amounts of material under analysis (1.3 mg in the case of the Sikhote-Alinskiy dust), spacial preparations in the form of columns 0.5 mm wide were made and so-called "rubber pellets" prepared from them. The pellets were then photographed with an ordinary Debye powder camera. Exposure time was 2.5—3 hr on a URS-55 apparatus (voltage, 45 kw; current on the x-ray iron tube, 14 mamp).

Card 1/2

L 14330-65

ACCESSION NR: AT4047025

In spite of the small size of the samples, good quality roentgenograms were obtained. The basic component of the outer part of the fusion crust of the Sikhote-Alinskiy meteorite and its meteoric dust was found to be oxymagnetite. The oxymagnetite of the meteoric dust: $Fe"_{0.82}Fe"_{2.12}O_4$—$Fe"_{0.77}Fe"_{2.15}O_4$ is the product of the greated oxidation of the magnetite in comparison with the meteorite's fusion crust. In mineralogical composition the meteoric and industrial dust are both oxymagnetitic. However, in the oxymagnetite of the industrial dust the process of oxidation of the bivalent by the trivalent iron goes somewhat further. Since the difference in the parameters of the oxymagnetites is close to the limits of accuracy of the experiment, further investigations will be necessary. Orig. art. has: 5 figures and 2 tables.

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00 SUB CODE: AA

NO REF SOV: 017 OTHER: 000

Card 2/2

MIKHEYEV, V.I.; SAL'DAU, E.P.; MIKHEYEVA, I.V., red.; SHVETSOVA, E.M., ved. red.

[X-ray guide to minerals] Rentgenometricheskii opredelitel' mineralov. Leningrad, Nedra. Vol.2. 1965. 362 p. (MIRA 18:7)

МИХЕЕВА, К.Г.

USSR/General Division - Congresses. Sessions. Conferences. A-4

Abs Jour : Ref Zhur - Biologiya, No 7, 10 April 1957, 25741

Author : Miller, I.N., Mikheyeva, K.G.
Inst : State Research Institute for Eye Diseases Imeni Helmholtz
Title : The 18th Scientific Training Conference of the State Research Institute for Eye Diseases Imeni Helmholtz (City of Kazan', 9-12 May 1955)

Orig Pub : Sb. inform.-metod. materialov. Gos. n.-i. in-t glaznykh bolezney, 1956, No 4, 169-176

Abst : Participating in this meeting were over 25[illegible] representatives from various cities and towns in the Soviet Union. The following problems were discussed: the etiopathogenesis of trachoma, new developments in the clinical treatment and cure of persistent types of trachoma, and the standardization of research procedures in the study of the functions of the eye.

Card 1/1